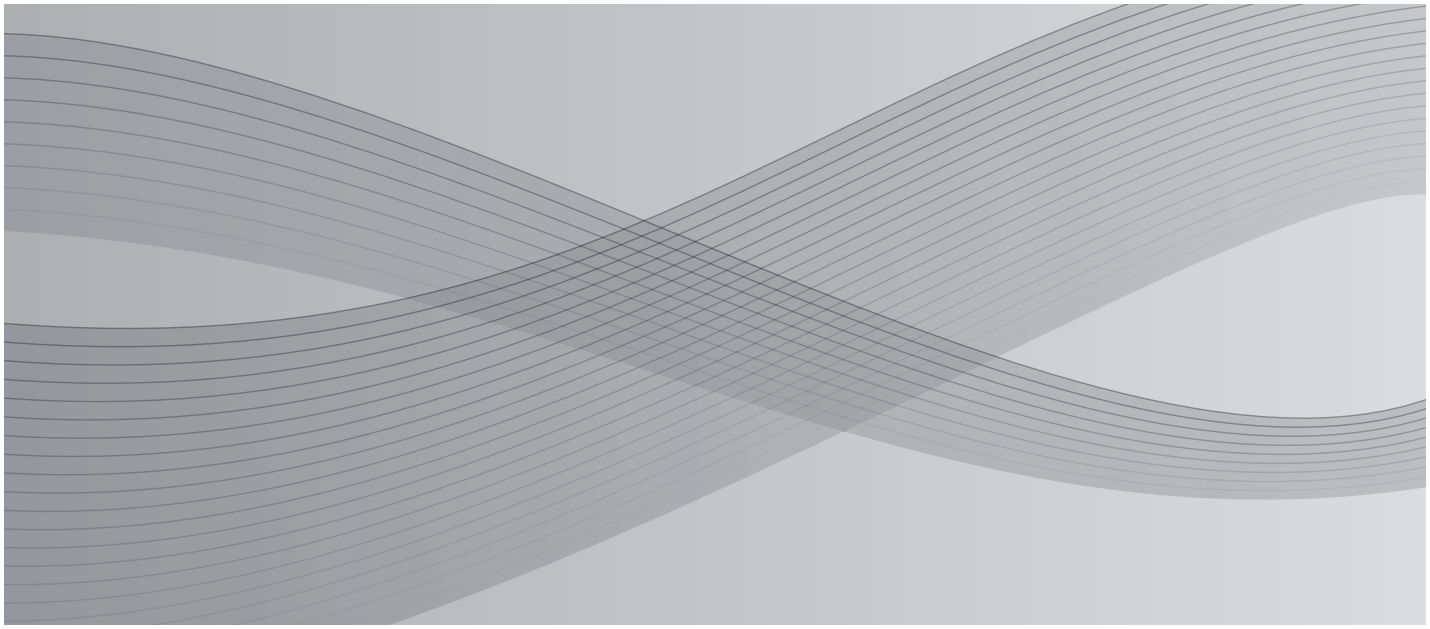
# DocuCentre-IV C2265
# DocuCentre-IV C2263



## Administrator Guide

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# 1 Before Using the Machine

This chapter describes the organization of this guide and conventions used in this guide.


- Preface ..... 14
- Types of Manuals ..... 15
- Using This Guide ..... 16
- Interface Cables ..... 19
- Energy Saver Mode ..... 21
- Customizing the Control Panel ..... 24
- Entering Text ..... 33

# Preface



Thank you for selecting the DocuCentre-IV C2265/C2263 (hereafter referred to as "the machine").

This guide is intended for system administrators, and provides maintenance information such as how to replace consumables, how to configure network, and troubleshooting procedures.

The guide assumes that you are familiar with a personal computer and that you are knowledgeable of computer networks. When you need additional information, refer to the manuals provided with the personal computer, operating system, and network products.

After reading this guide, be sure to keep it handy for quick reference. It will be useful in case you forget how to perform operations or if a problem occurs with the machine.

For more information on how to copy, print, scan, and fax, refer to the User Guide. For information about optional components for the Print feature, refer to the guide provided with each optional component.

**Warning:**
This equipment will be inoperable when mains power fails.

# Types of Manuals

The following guides are provided with the machine.



## Accompanying Manuals

### ■ User Guide (Document CD-ROM)

The guide describes all the necessary steps for copy, print, scan, and fax.

### ■ Administrator Guide (this guide) (Document CD-ROM)

The guide is intended for system administrators, and describes how to configure network and how to solve problems that may occur with the machine. This guide also describes daily maintenance and the system settings procedures.

### ■ Quick Reference Guide (Booklet)

The guide describes the basic operations of the machine, as well as daily management and maintenance.

### ■ Manual (HTML)

The manual describes installation and configuration procedures for print drivers and the printer environment. This manual is included in the Driver CD Kit.

### ■ Print Driver Help

The help describes print features and operations.

### ■ CentreWare Internet Services Help

The help describes how to change various settings of the machine using a web browser, and how to import scanned data to a computer from the machine.

## Guides for Optional Components

Optional components are available for the machine. Some of them come with user guides. The guides for optional components describe all the necessary steps for using the optional components and installing the software.

# Using This Guide



This guide is intended for system administrators, and provides maintenance information such as how to replace consumables, how to configure network, and troubleshooting procedures.

## Organization of This Guide

This guide consists of the following chapters.

**■ 1 Before Using the Machine**

Describes the organization of this guide and conventions.

**■ 2 Paper and Other Media**

Describes the types of paper and other media that you can use on the machine and how to load media in a tray.

**■ 3 Maintenance**

Describes how to replace consumables and to clean the machine.

**■ 4 Machine Status**

Describes how to check the faults that occurred on the machine and to print various reports/ lists.

**■ 5 Tools**

Describes the procedures to set up the system.

**■ 6 CentreWare Internet Services Settings**

Describes how to use CentreWare Internet Services.

**■ 7 Printer Environment Settings**

Describes the settings to use the Print feature on the machine.

**■ 8 E-mail Environment Settings**

Describes the settings to use various services via e-mail on the machine.

**■ 9 Scanner Environment Settings**

Describes the settings to use the Scan services on the machine.

**■ 10 Using the IP Fax (SIP)**

Describes the settings to use the IP fax (SIP) feature on the machine.

**■ 11 Using the Internet Fax Service**

Describes the settings to use the services via the Internet Fax service on the machine.

**■ 12 Using the Server Fax Service**

Describes the how to use the Server Fax service on the machine.

**■ 13 Encryption and Digital Signature Settings**

Describes how to configure the machine to use the Encryption and the Digital Signature features with your communications and documents.

### ■ 14 Authentication and Accounting Features

The machine has the Authentication feature to restrict the availability of services for each feature and the Accounting feature to manage the use of each feature based on the Login Type selected.

### ■ 15 Problem Solving

Describes troubleshooting procedures to solve the problems with the machine.

### ■ 16 Appendix

Describes the specifications of the machine, optional accessories, and cautions/restrictions.



## Conventions

- The screen shots and illustrations used in this guide vary depending on the machine configuration and optional components installed. Some of the items in the screen shots may not be displayed or available depending on your machine configuration.
- The procedures in this guide may vary depending on the driver and utility software being used due to the upgrades.
- In this guide, "Computer" refers to a personal computer or workstation.
- The following terms are used in this guide:

  Important : Important information that you should read.

  Note : Additional information on operations or features.

- The following symbols are used in this guide:

  " " : • A cross-reference included in this guide.
  • Names of CD-ROM, features, and touch screen messages and input text.

  [ ] : • Folders, files, applications, button or menu names displayed on the touch screen.
  • Names of menus, commands, windows, or dialog boxes displayed on the computer screen and their buttons and menu names.

  < > button : Hardware buttons on the control panel.

  < > key : Keys on the keyboard of the computer.

> : • Path to a certain item within a procedure on the control panel.

For example: When you see the procedure "select [Tools] > [Setup] > [Create Folder]", this means that you need to select [Tools], select [Setup], and then select [Create Folder].

- Path to a certain item within a procedure on a computer.

For example: When you see the procedure "to search for files and folders, click [Start] > [Search] > [For Files or Folders]", this means that you need to click [Start], click [Search], and then click [For Files or Folders] to search for files and folders.

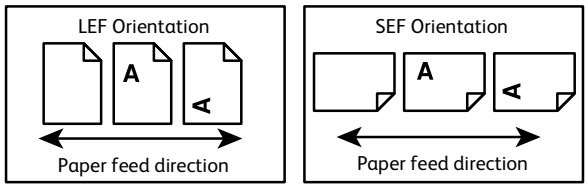
- Cross-reference

For example: "Refer to "5 Tools" > "Common Service Settings" > "Audio Tones" in the Administrator Guide."
The sentence above means that you need to refer to the section "Audio Tones", which can be found under "Common Service Settings" in chapter 5 Tools of the Administrator Guide.

- Orientation of documents or paper is described in this guide as follows:

,,Long Edge Feed (LEF):Loading the document or paper in portrait orientation when viewed from the front of the machine.

,,Short Edge Feed (SEF):Loading the document or paper in landscape orientation when viewed from the front of the machine.



# Interface Cables

When connecting the machine directly to a computer, use the USB interface. When connecting the machine to a network, use the Ethernet interface.

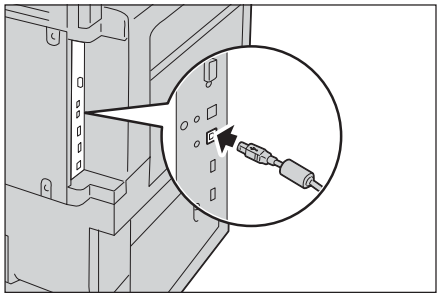


## Using the USB Interface

The USB interface of the machine supports USB 2.0.

This section describes the installation procedures for the USB interface.

1. Press the power switch to the [⏻] position to switch off the power.
2. Make sure that the touch screen is blank and the <Energy Saver> button does not light up.
3. Open the front cover.
4. Press the main power switch to the [◯] position to switch off the main power.
5. Connect the USB cable to the USB 2.0 interface connector.



6. Connect the other end of the USB cable to the computer.
7. Press the main power switch to the [ | ] position to switch on the main power.
8. Close the front cover.
9. Press the power switch to the [ | ] position to switch on the power.
10. Restart the computer.

For more information on setting items, refer to "Printer Environment Settings" (P.299).

## Using the Ethernet Interface

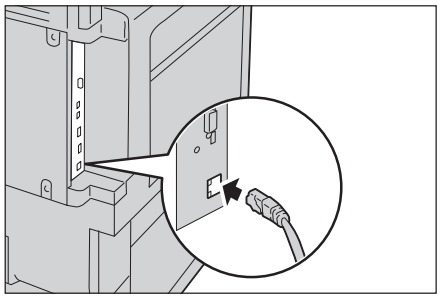
The Ethernet interface of the machine supports the following two types.

- 100BASE-TX
- 10BASE-T

This section describes the installation procedures for the Ethernet interface.

1. Press the power switch to the [⏻] position to switch off the power.
2. Make sure that the touch screen is blank and the <Energy Saver> button does not light up.
3. Open the front cover.
4. Press the main power switch to the [◯] position to switch off the main power.

***5*** Connect the network cable to the Ethernet interface connector.



**Note**

- Always use the correct network cable with your network connection. When you replace the cable, contact our Customer Support Center.

***6*** Press the main power switch to the [ | ] position to switch on the main power.

***7*** Close the front cover.

***8*** Press the power switch to the [ | ] position to switch on the power.

For more information on setting items, refer to "Printer Environment Settings" (P.299).

# Energy Saver Mode



The machine is equipped with the Energy Saver mode that reduces the power consumption by saving the electricity to the machine when no copy or print data is received for a specified time.

The Energy Saver has two modes: the Low Power mode and the Sleep mode.

When you press the <Energy Saver> button or do not use the machine for a specified period of time, the machine enters the Low Power mode.
When time exceeds the time specified in the Low Power mode, the machine then enters the Sleep mode.

Press the <Energy Saver> button on the control panel to enter the Energy Saver mode.

### ■ Low Power Mode

The Low Power mode reduces the power to the control panel and the fusing unit.

It extinguishes the touch screen and lights up the <Energy Saver> button on the control panel. To activate the machine, press the <Energy Saver> button. Pressing the <Energy Saver> button extinguishes the light and deactivates the Energy Saver mode.

### ■ Sleep Mode

The Sleep mode reduces the power to the machine even more than the Low Power mode.

It extinguishes the touch screen and lights up the <Energy Saver> button on the control panel. To activate the machine, press the <Energy Saver> button. Pressing the <Energy Saver> button extinguishes the light and deactivates the Energy Saver mode.

It takes longer time than the Low Power mode to deactivate the Sleep mode and enable to use the machine.

**Note**

- When you press the <Energy Saver> button during the Energy Saver mode, the touch screen lights up by factory default. At this point, the scanner and the output devices remain the Energy Saver mode. Afterwards, by operations such as using the touch screen, opening or closing of the document cover, and loading paper in the document feeder, you can make the devices necessary to activate the machine exit the Energy Saver mode and make the machine ready to start exiting the Energy Saver mode. For information on how to disable the Energy Saver mode, refer to "Energy Saver Deactivation" (P.147).
- When you make the machine exit Energy Saver mode by pressing the <Energy Saver> button, the machine does not immediately identify the movements such as opening or closing of the front cover. To make the machine identify these operations, exit all Energy Saver mode by operating the control panel (for example, pressing the <Machine Status> button) before opening the front cover.
- If you replace toner cartridges or supply paper during the Energy Saver mode, the machine does not identify these changes. Before performing these operations, exit Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel.
- The Energy Saver mode is not exited by the following operations:
  - Charge print
  - Secure print
  - Delayed print
  - Private charge print
  - Faxes stored in folders
  - Direct fax
  - Accessing a folder of the machine using CentreWare Internet Services
- The control panel remains lit off and only the output devices exit the Energy Saver mode by the following operations:
  - Print
  - Sample print
  - Print fax

- When the following device is connected to the machine and a user performs the following operation, the Energy Saver can be deactivated without pressing the <Energy Saver> button. If the machine is in the Sleep mode, however, the Sleep mode will not be deactivated by the operation. By setting longer time to elapse until the machine enters the Sleep mode, you can make the machine to exit the Energy Saver mode without pressing the <Energy Saver> button. For more information on how to change the time to elapse until the machine enters the Sleep mode, refer to "Changing the Interval for Entering Energy Saver Mode" (P.22).
  - Touch the card to IC Card Reader (optional).
- When the machine enters the Low Power mode during a user is authenticated, the machine exits the authentication mode.
- When IC Card Reader (optional) is installed, it may take longer time before the machine exits the Sleep mode.

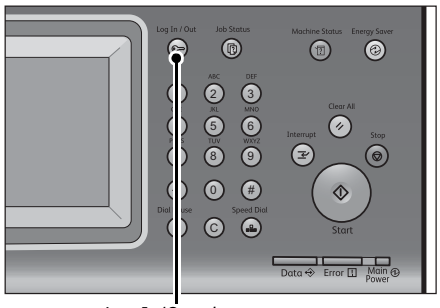
## Changing the Interval for Entering Energy Saver Mode

This section describes the procedures for setting the Energy Saver mode.

To activate the Energy Saver, set the time to elapse until the machine enters the Low Power mode as well as the time to elapse until the machine enters the Sleep mode.

**Note**
- You can set the time to elapse until the machine enters the Low Power mode and the Sleep mode from 1 to 240 minutes in 1 minute increments.
- If the preset time period is the same for the Low Power mode and the Sleep mode, the machine directly enters the Sleep mode without entering the Low Power mode first.

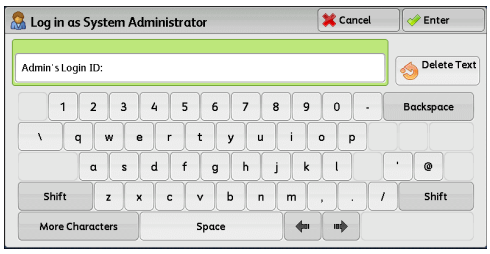
***1*** Press the <Log In/Out> button.



<Log In/Out> button

***2*** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

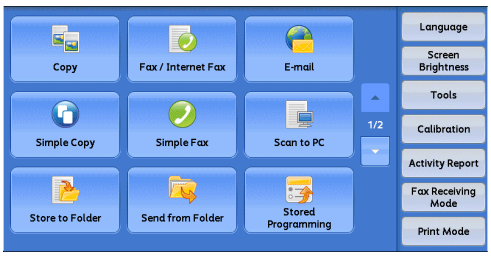
When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].



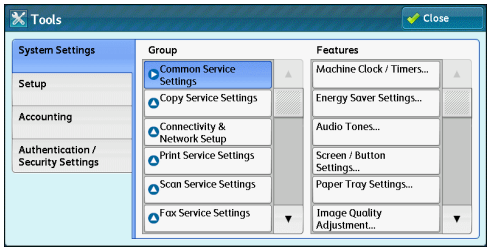

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

***3*** Select [Tools] on the [Services Home] screen.

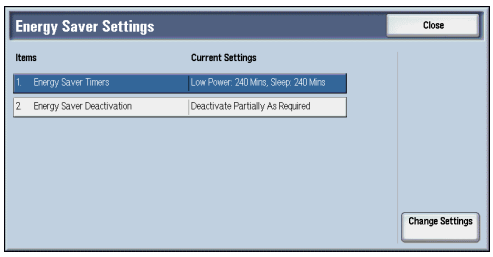
**Note**
- When the [Services Home] screen is not displayed on the touch screen, press the <Services Home> button.



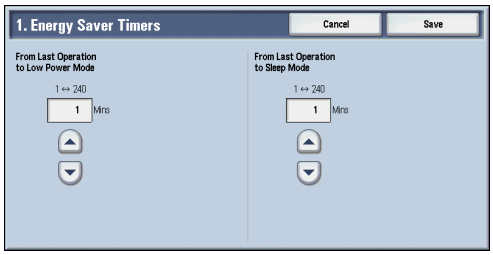
**4** Select [System Settings] > [Common Service Settings] > [Energy Saver Settings].




**5** Select [Energy Saver Timers], and then select [Change Settings].




**6** Using [▲] and [▼], set the time to elapse until entering the Energy Saver mode, in 1 minute increments.




### ■ From Last Operation to Low Power Mode

Set the time to elapse from the last operation until the machine enters the Low Power mode.

**Note** • The default value for [From Last Operation to Low Power Mode] is [1] minutes. You cannot disable the Low Power mode.

### ■ From Last Operation to Sleep Mode

Set the time to elapse from the last operation until the machine enters the Sleep mode.

**Note** • The default value for [From Last Operation to Sleep Mode] is [1] minutes. To enable the machine to enter the Low Power mode before the Sleep mode, you must set a longer period of time for [From Last Operation to Sleep Mode] than for [From Last Operation to Low Power Mode].

**7** Select [Save].

**8** Select [Close] repeatedly until the [Tools] screen is displayed.

**9** Select [Close].

# Customizing the Control Panel

You can change the services displayed on the touch screen or the features assigned to the buttons to make best use of the machine.

This section describes how to change the screen default, the services displayed after Auto Clear, the services displayed on the [Services Home] screen, and the services assigned to the <Custom> buttons, and how to adjust the screen brightness.

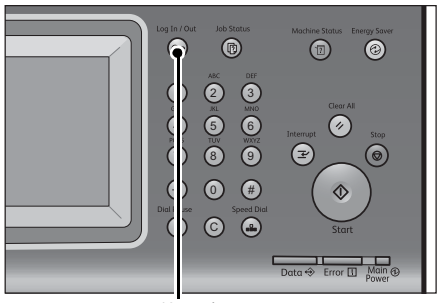
For information on how to change the other settings of the control panel, refer to "Screen/Button Settings" (P.149).

## Changing the Screen Default

You can change the screen displayed when the machine is turned on or the Energy Saver mode is deactivated.

The [Services Home] screen is displayed by factory default.

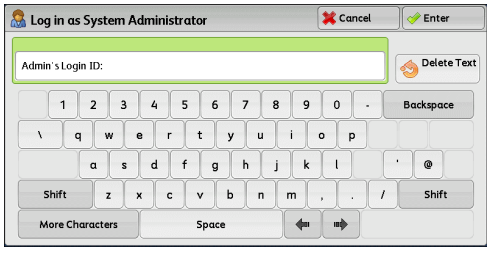
**1** Press the <Log In/Out> button.




<Log In/Out> button

**2** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

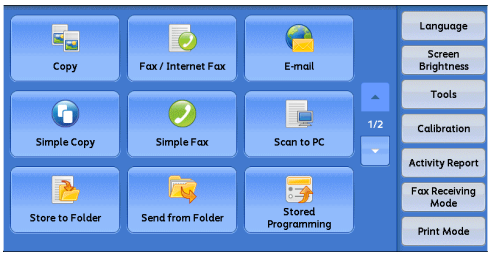
When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].



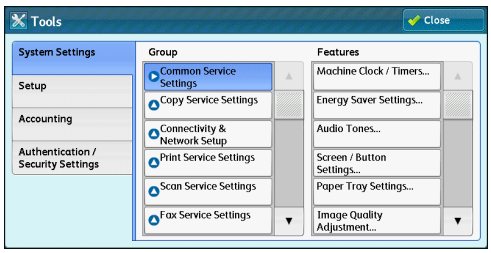

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

**3** Select [Tools] on the [Services Home] screen.

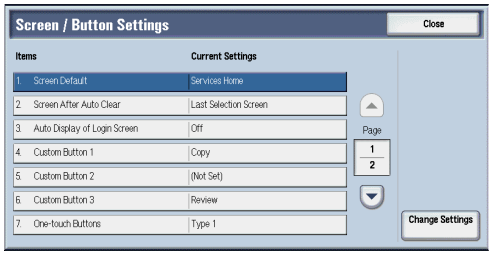
**Note**
- When the [Services Home] screen is not displayed on the touch screen, press the <Services Home> button.




**4** Select [System Settings] > [Common Service Settings] > [Screen/Button Settings].

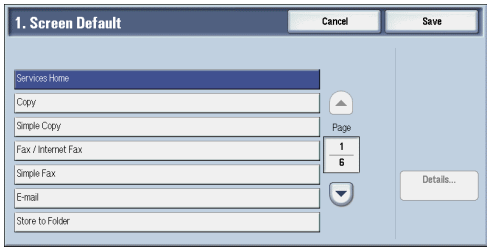


**5** Select [Screen Default], and then select [Change Settings].




**6** Select a service you want to display.

**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.



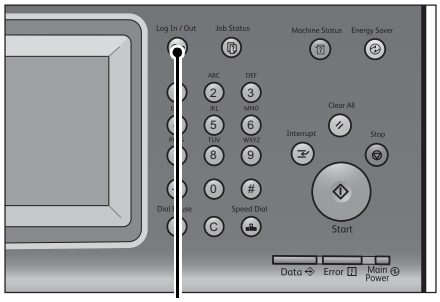

**7** Select [Save].

## Setting the Screen After Auto Clear

You can select the screen to be displayed after Auto Clear from [Last Selection Screen] or [Services Home].

For information on Auto Clear, refer to "Auto Clear" (P.145).

**1** Press the <Log In/Out> button.

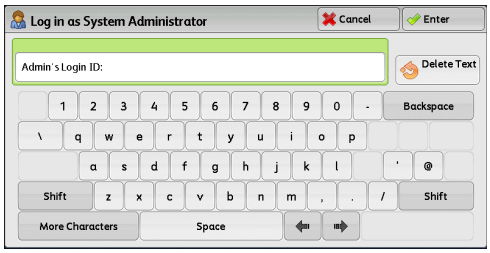



<Log In/Out> button

**2** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

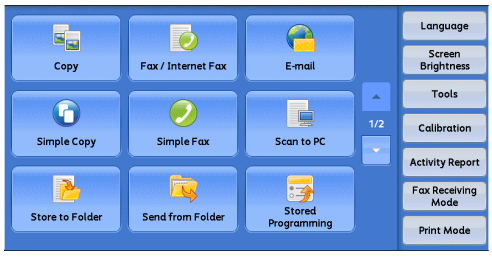
When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

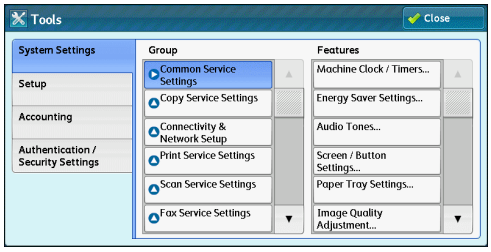



**3** Select [Tools] on the [Services Home] screen.

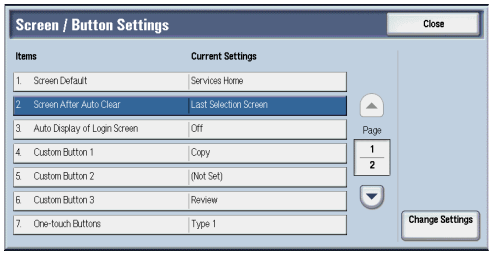
**Note**
- When the [Services Home] screen is not displayed on the touch screen, press the <Services Home> button.



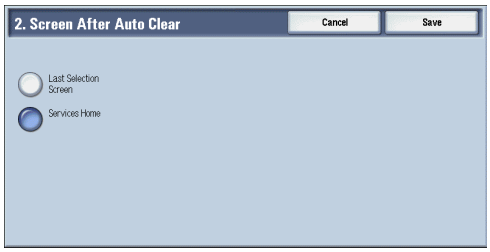
4 Select [System Settings] > [Common Service Settings] > [Screen/Button Settings].




5 Select [Screen After Auto Clear], and then select [Change Settings].




6 Select [Last Selection Screen] or [Services Home].

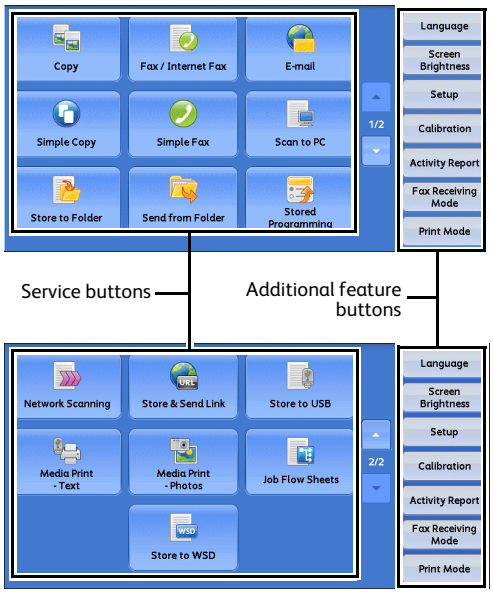



7 Select [Save].

## Customizing the Button Layout

You can customize the services and the button layout displayed on the [Services Home] screen when you press the <Services Home> button on the control panel.

**Note** • Services not supported by the machine will not be displayed on the screen. Grayed out buttons cannot be used as a result of malfunctioning.




- Copy
- Fax/Internet Fax

- E-mail
- Simple Copy
- Simple Fax
- Scan to PC
- Store to Folder
- Send from Folder
- Stored Programming
- Network Scanning
- Store & Send Link

**Note** • This service is not displayed as default.

- Store to USB
- Media Print - Text
- Media Print - Photos
- Secure Print
- Sample Set
- Delayed Print
- Charge Print
- Private Charge Print
- Store to WSD
- Job Flow Sheets
- Language
- Screen Brightness
- Setup
- Calibration
- Activity Report
- Fax Receiving Mode
- Print Mode
- Lock Out Printer/Release Printer

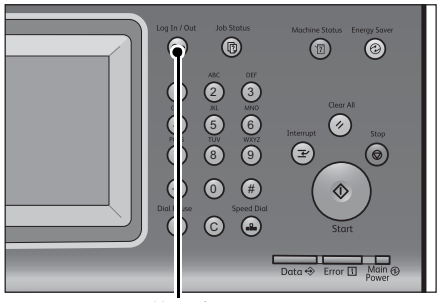
**Note** • [Lockout Printer]/[Release Printer] is not displayed by default. To display this feature, select [Allow User to Lock Out] in [Printer Lockout] under [Tools] > [System Settings] > [Common Service Settings] > [Machine Clock/Timers], and then assign the feature to a button on the [Services Home - Additional Features] screen.

## Services Home

You can select service buttons, which are displayed on the [Services Home] screen.

If you select [(Not Assigned)], the position of the selected button becomes blank.

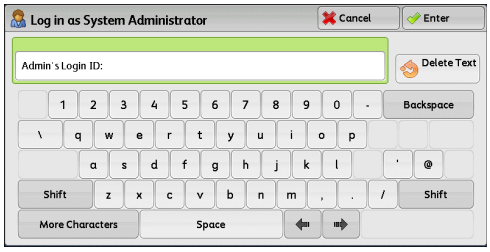
***1*** Press the <Log In/Out> button.




<Log In/Out> button

***2*** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].



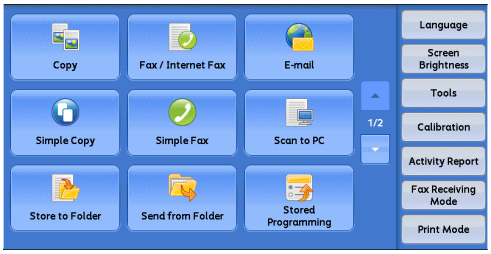

**Note**

- The default user ID is "11111".
- The default passcode is "x-admin".

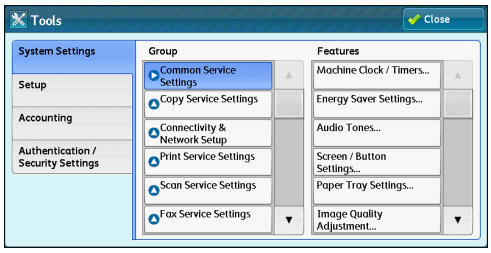
***3*** Select [Tools] on the [Services Home] screen.

**Note**

- When the [Services Home] screen is not displayed on the touch screen, press the <Services Home> button.



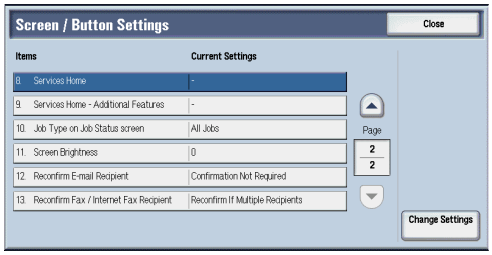

***4*** Select [System Settings] > [Common Service Settings] > [Screen/Button Settings].




***5*** Select [Services Home], and then select [Change Settings].

**Note**

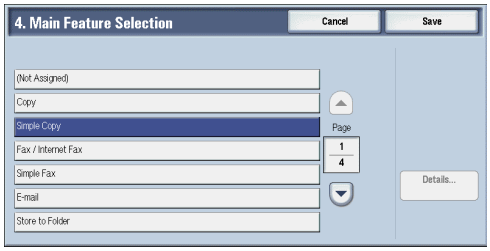
- Select [▲] to display the previous screen or [▼] to display the next screen.



**6** Select the position you want to assign a service.

**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.
- The layout of the buttons in this screen corresponds to the layout of those on the [Services Home] screen.

**7** Select a service you want to display on the [Services Home] screen.




**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.
- You cannot assign the same feature to more than one button.

**8** Select [Save].

**9** Select [Save].

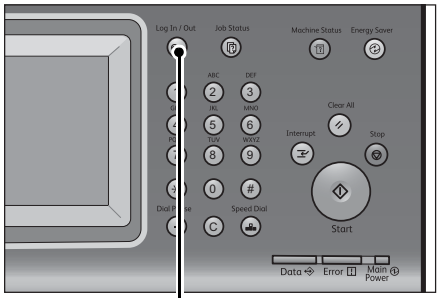
## Services Home - Additional Features

You can select additional feature buttons, which are displayed on the [Services Home] screen.

If you select [(Not Assigned)], the position of the selected button becomes blank.

You cannot assign [Setup] to [(Not Assigned)]. If you do not want to display the [Setup] button, select the [Show this in Admin mode] check box.

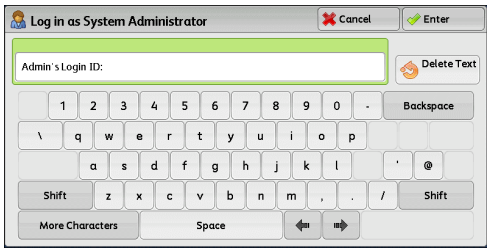
**1** Press the <Log In/Out> button.




<Log In/Out> button

**2** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

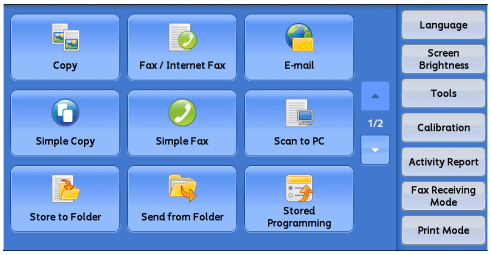
When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].



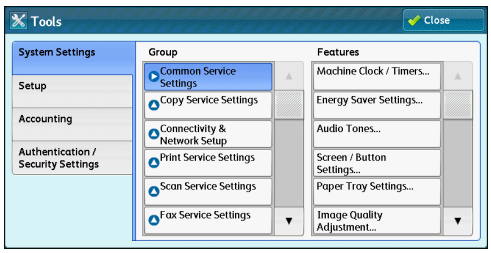

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

**3** Select [Tools] on the [Services Home] screen.

**Note**
- When the [Services Home] screen is not displayed on the touch screen, press the <Services Home> button.

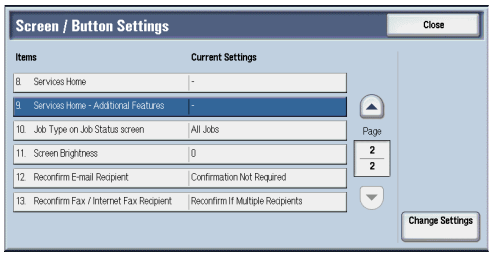



**4** Select [System Settings] > [Common Service Settings] > [Screen/Button Settings].



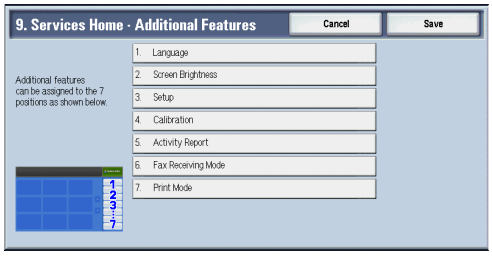

**5** Select [Services Home - Additional Features], and then select [Change Settings].

**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.



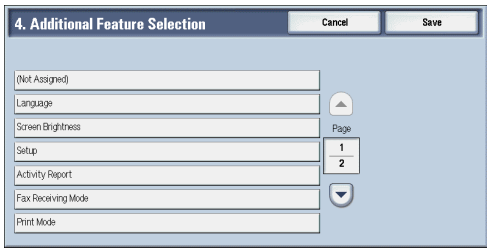

**6** Select the position you want to assign an additional feature.

**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.
- The layout of the buttons in this screen corresponds to the layout of those on the [Services Home] screen.




**7** Select a service you want to display on the [Services Home] screen.

**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.
- You cannot assign the same feature to more than one button.




**8** Select [Save].

**9** Select [Save].

## Assigning Services to the Custom Buttons

You can assign services to the <Copy>, <(Not in Use)>, and <Review> buttons on the control panel.

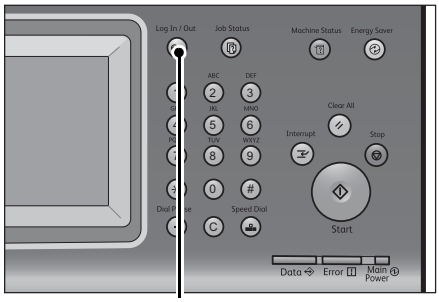
Assigning a service to a custom button allows you to switch to this service without having to return to the [Services Home] screen. If you do not need to assign any service to a custom button, select [(Not Set)].

[Copy] is assigned to the <Copy> button and [Review] is assigned to the <Review> button at factory, while the <(Not in Use)> button has no assignment.

This section describes how to assign [Send from Folder] to the <(Not in Use)> button, as an example.

**Note**
- After you change the assignment, apply the labels provided with the machine. When you assign a service for which no label is provided, use a blank label and write down the service name with a permanent marker. The labels include the services that are not supported by the machine.

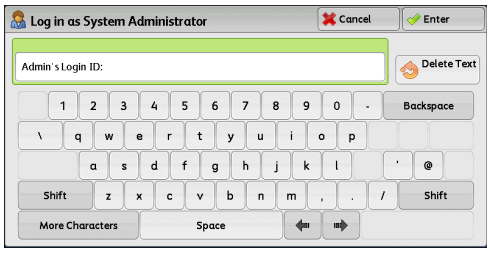
***1*** Press the <Log In/Out> button.




<Log In/Out> button

***2*** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

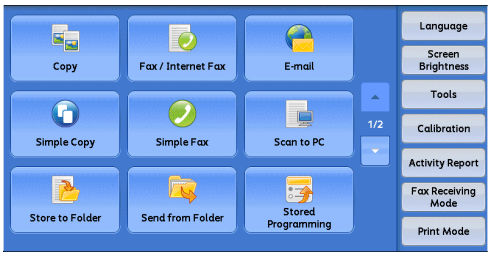
When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].



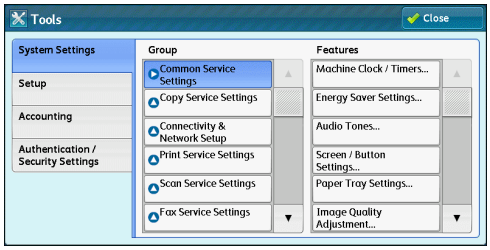

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

***3*** Select [Tools] on the [Services Home] screen.

**Note**
- When the [Services Home] screen is not displayed on the touch screen, press the <Services Home> button.

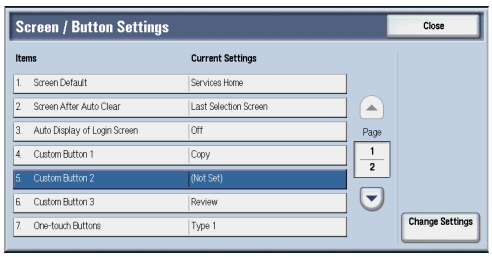



***4*** Select [System Settings] > [Common Service Settings] > [Screen/Button Settings].



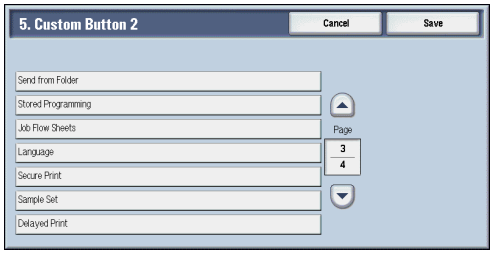

***5*** Select [Custom Button 2], and then select [Change Settings].

**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.



6 Select [Send from Folder].

**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.

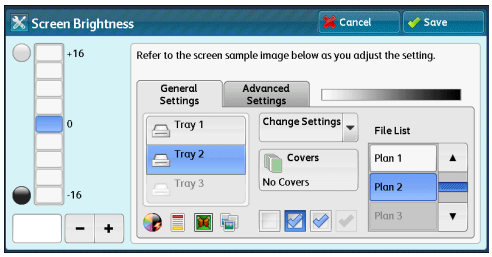



7 Select [Save].

## Adjusting Screen Brightness

1 Select [Screen Brightness] on the [Services Home] screen.

2 Press [+] or [-] to adjust the screen brightness.

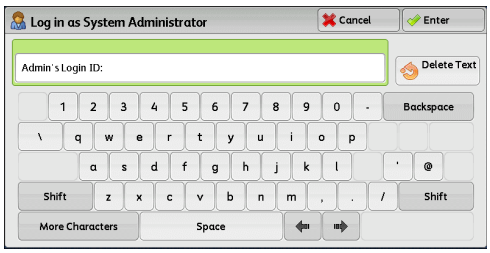



3 Select [Save].

To adjust the screen brightness from the [Tools] screen, refer to "Screen Brightness" (P.150).

# Entering Text

During operations, a screen for entering text sometimes appears. The following describes how to enter text.




You can enter the following characters: numerals, alphabets, and symbols.

| Item | Description |
|---|---|
| Entering alphabets and numerals | To enter uppercase letters, select [Shift]. To return to the lowercase letters, select [Shift] again. |
| Entering symbols | Select [More Characters].<br>**Note** • Depending on the keyboard, you can select a symbol from the pull-up options displayed on the bottom left of the screen. |
| Entering a space | Select [Space]. |
| Deleting characters | Select [Backspace] to delete one character at a time. |

# 2 Paper and Other Media

This chapter describes the paper that can be used with the machine, precautions when handling paper, and how to load paper in trays.


- Paper Types....36
- Loading Paper....50
- Changing the Paper Size....54
- Changing the Paper Settings....56

# Paper Types

This section describes the paper that can be used with this machine.

Use of unrecommended paper may result in paper jams, lower print quality, malfunctions, or damage to the machine. To achieve optimum performance of the machine, we recommend that you use only paper recommended by Fuji Xerox.

If you desire to use paper other than the paper recommended by Fuji Xerox, contact our Customer Support Center.

> ⚠**WARNING**
>
> Do not use conductive paper such as origami paper, carbonic paper or conductively-coated paper. When paper jam occurs, it may cause short-circuit and eventually a fire accident.

**Important** • Moisture generated by water, rain, or vapor may cause the printed images to fade. For more information, contact our Customer Support Center.



## Loadable Quantity and Weight for Supported Paper

| Paper Trays | Basis Weight/Ream Weight | Loadable Quantity*1 |
|---|---|---|
| Tray 1 to 4*2 | 60 to 256 gsm<br>Ream Weight: 51.6 - 220.1 kg | 500 sheets |
| Tray 1 (Envelope Tray (optional)) | 75 to 90 gsm | Up to 43 mm |
| Tray 5 | 60 to 216 gsm<br>Ream Weight: 51.6 - 185.7 kg | Up to 5 mm<br>45 sheets |

*1 : When using 80 gsm paper
*2 : Trays 3 and 4 are optional for some models.

**Important** • Printing on paper that differs from the paper type and size selected in the print driver, or printing from a tray that does not support the loaded paper may result in a paper jam. To ensure correct printing, select the correct paper size, paper type, and paper tray.

**Note** • Basis weight is the weight of 1 $m^2$ of a paper sheet.

• Ream weight is the weight of 1,000 sheets of duodecimo size (788 x 1,091 mm) paper.

• When copying on non-standard size paper from Tray 5, you must enter the paper size. Furthermore, if you frequently copy on non-standard size paper, you can preset the size on the machine. That size then appears under [Standard Sizes] on the [Tray 5] screen. For more information on the settings, refer to "Tray 5 - Paper Size Defaults" (P.153).

• Most ideal image quality with the paper can be obtained by setting the image quality for each type of paper. For more information on the settings, refer to "Image Quality" (P.155).

# Supported Paper Type

## Standard Paper

When printing or copying on commonly used paper (plain paper), use paper meeting the standards described below. To copy or print as clear as possible, we recommend the following standard paper.

**Important** • The paper performance may not be guaranteed depending on the manufacturer of the paper being used. For more information, contact our Customer Support Center.

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Colotech Plus | A4 | 90 | Plain | Plain F | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| | A3 | 90 | Plain | Plain F | |
| Professional | A4 | 80 | Plain | Plain D | |
| Gold Flag ship | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| Business (Blue) | A3 | 80 | Plain | Plain D | • The corners of paper may become folded if printed under high temperature and humidity conditions. |
| Premier | A4 | 80 | Plain | Plain D | • Performing 2-sided printing may cause paper to be wrinkled under high temperature and humidity conditions.<br>• Do not store unwrapped under high temperature and humidity conditions. |
| | A3 | 80 | Plain | Plain D | |

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Business | A4 | 80 | Plain | Plain D | • Depending on paper quality, transfer deterioration may be occurred, or two or more sheets of paper are being fed simultaneously.<br>• The corners of paper may become folded if printed under high temperature and humidity conditions. |
| | A3 | 80 | Plain | Plain D | • Depending on paper quality, transfer deterioration may be occurred, or two or more sheets of paper are being fed simultaneously.<br>• The corners of paper may become folded if printed under high temperature and humidity conditions.<br>• Performing 2-sided printing may cause paper to be wrinkled under high temperature and humidity conditions.<br>• Use a paper tray. |
| Xtra | A4 | 75 | Plain | Plain A | |
| | A3 | 75 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| | 8.5 x 11" | 80 | Plain | Plain D | |
| A-paper | A4 | 75 | Plain | Plain A | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| | A3 | 75 | Plain | Plain A | |
| | B5 | 75 | Plain | Plain A | |
| | B4 | 75 | Plain | Plain A | |
| | 8.5 x 11" | 75 | Plain | Plain A | |

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Diplomat | A4 | 80 | Plain | Plain D | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| | A3 | 80 | Plain | Plain D | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray.<br>• Performing 2-sided printing may cause paper to be wrinkled under high temperature and humidity conditions. |

*1 : Select the paper type setting for the paper loaded on a tray. For more information, refer to "Changing the Paper Settings" (P.56).

*2 : Most ideal image quality with the paper can be obtained by setting the image quality for each type of paper. For more information on the settings, refer to "Image Quality" (P.154).



## Semi Standard Paper

In addition to the standard paper, the following paper also can be used.

**Important** • The paper performance may not be guaranteed depending on the manufacturer of the paper being used. For more information, contact our Customer Support Center.

| Paper Name | Size | Basic Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Performer | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | A4 | 75 | Plain | Plain A | |
| | A3 | 75 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | • The corners of paper may become folded if printed under high temperature and humidity conditions. |
| | A3 | 80 | Plain | Plain D | |

| Paper Name | Size | Basic Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Business | A4 | 80 | Plain | Plain D | • Depending on paper quality, transfer deterioration may be occurred, or two or more sheets of paper are being fed simultaneously.<br>• The corners of paper may become folded if printed under high temperature and humidity conditions. |
| | A3 | 80 | Plain | Plain D | • Depending on paper quality, transfer deterioration may be occurred, or two or more sheets of paper are being fed simultaneously.<br>• The corners of paper may become folded if printed under high temperature and humidity conditions.<br>• Performing 2-sided printing may cause paper to be wrinkled under high temperature and humidity conditions. |
| Professional | A4 | 70 | Plain | Plain A | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| | A3 | 70 | Plain | Plain A | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray.<br>• Performing 2-sided printing may cause paper to be wrinkled under high temperature and humidity conditions. |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| Xpress | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| Performer Plus | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | • The corners of paper may become folded if printed under high temperature and humidity conditions. |
| | A3 | 80 | Plain | Plain D | |

| Paper Name | Size | Basic Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Business Plus | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | A4 | 75 | Plain | Plain A | |
| | A3 | 75 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| Colotech Idol | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| Xplore | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | • Performing 2-sided printing may cause paper to be wrinkled under high temperature and humidity conditions. |
| Xcite | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| Xceed | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| ASTRO EXTRA | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| Xpress | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| ECO Enviroguard Paper | A4 | 75 | Plain | Plain A | |
| Explorer | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | A4 | 75 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| H-paper | A4 | 80 | Plain | Plain D | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| | A3 | 80 | Plain | Plain D | |
| | B5 | 80 | Plain | Plain D | |
| | B4 | 80 | Plain | Plain D | |
| PAPER ONE COPIER PAPER | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |

| Paper Name | Size | Basic Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| PaperOne | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| XeroxOne | A4 | 80 | Plain | Plain D | |
| X'treme Platinum | A4 | 80 | Plain | Plain D | |
| Attitude | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| PerfectPrint | A4 | 80 | Plain | Plain D | |
| LQ-PAPER | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| | B4 | 80 | Plain | Plain D | |
| | 8.5 x 11" | 80 | Plain | Plain D | |
| | 8.5 x 14" | 80 | Plain | Plain D | |
| Horizon | A4 | 70 | Plain | Plain A | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| | A3 | 70 | Plain | Plain A | |
| | B5 | 70 | Plain | Plain A | |
| | B4 | 70 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| | B5 | 80 | Plain | Plain D | |
| | B4 | 80 | Plain | Plain D | |
| Office | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | B5 | 70 | Plain | Plain A | |
| | B4 | 70 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| | B5 | 80 | Plain | Plain D | |
| | B4 | 80 | Plain | Plain D | |

*1 : Select the paper type setting for the paper loaded on a tray. For more information, refer to "Changing the Paper Settings" (P.56).

*2 : Most ideal image quality with the paper can be obtained by setting the image quality for each type of paper. For more information on the settings, refer to "Image Quality" (P.154).

## Usable Paper

In addition to the standard paper, the following paper also can be used.

**Important** • The paper performance may not be guaranteed depending on the manufacturer of the paper being used. For more information, contact our Customer Support Center.

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Copy Pilot | - | 70 | Plain | Plain A | |
| Copy Pilot | - | 80 | Plain | Plain D | |
| Kool Print | - | 80 | Plain | Plain D | |
| Le Copy | - | 70 | Plain | Plain A | |
| Le Copy | - | 80 | Plain | Plain D | |
| DocuPaper Black | A4 | 70 | Plain | Plain A | |
| DocuPaper | A4 | 80 | Plain | Plain D | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| White Label | A4 | 80 | Plain | Plain D | |
| Xerox Green Label | A4 | 70 | Plain | Plain A | |
| | 8.5 x 11" | 70 | Plain | Plain A | |
| Laserprint | A4 | 80 | Plain | Plain D | |
| Green Wrap (Recycle paper) | A4 | 80 | Plain | Plain C | |
| | A3 | 80 | Plain | Plain C | |
| Recycled Pure Plus (Recycle paper) | A4 | 80 | Plain | Plain C | |
| | A3 | 80 | Plain | Plain C | |
| Colotech Idol | A4 | 100 | Plain | Plain F | |
| | A3 | 100 | Plain | Plain F | |

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Colotech Plus | A4 | 100 | Plain | Plain F | |
| | A3 | 100 | Plain | Plain F | |
| | A4 | 120 | Heavy-weight | Heavyweight A | |
| | A3 | 120 | Heavy-weight | Heavyweight A | |
| | A4 | 160 | Heavy-weight | Heavyweight A | |
| | A3 | 160 | Heavy-weight | Heavyweight A | |
| | A4 | 200 | Heavy-weight | Extra Heavyweight A | |
| | A3 | 200 | Heavy-weight | Extra Heavyweight A | |
| | A4 | 250 | Heavy-weight | Extra Heavyweight A | |
| | A3 | 250 | Heavy-weight | Extra Heavyweight A | |
| Recycled Supreme (Recycled paper) | A4 | 80 | Plain | Plain C | |
| K-paper | A4 | 75 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| PAPER ONE All Purpose | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| XEROX ONE | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| WARRIOR | A4 | 70 | Plain | Plain A | |
| Professional | A4 | 80 | Plain | Plain D | |
| Recycled Pure (Recycled paper) | A4 | 80 | Plain | Plain C | |
| Colour Impression | A4 | 90 | Plain | Plain F | |
| | A3 | 90 | Plain | Plain F | |
| | A4 | 250 | Heavy-weight | Extra Heavyweight A | |
| | A3 | 250 | Heavy-weight | Extra Heavyweight A | |

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Van Hawk paper | A4 | 70 | Plain | Plain A | • Multiple sheets may be fed to the machine simultaneously.<br>• Before copying or printing, fan the paper well and reload it in the tray. |
| | A3 | 70 | Plain | Plain A | |
| | 8.5 x 11" | 70 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| | 8.5 x 11" | 80 | Plain | Plain D | |
| Quality | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | B5 | 70 | Plain | Plain A | |
| | B4 | 70 | Plain | Plain A | |
| Double A | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| Roxy Paper | A4 | 80 | Plain | Plain D | |
| | B5 | 80 | Plain | Plain D | |
| | 8.5 x 11" | 80 | Plain | Plain D | |
| 清荷 (Recycled paper) | A4 | 80 | Plain | Plain C | |
| | A3 | 80 | Plain | Plain C | |
| | B4 | 80 | Plain | Plain C | |
| Star (Package: Orange) | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | B4 | 70 | Plain | Plain A | |
| PaperOne | A4 | 70 | Plain | Plain A | |
| | A3 | 70 | Plain | Plain A | |
| | B5 | 70 | Plain | Plain A | |
| | B4 | 70 | Plain | Plain A | |
| | A4 | 80 | Plain | Plain D | |
| | A3 | 80 | Plain | Plain D | |
| | B5 | 80 | Plain | Plain D | |
| | B4 | 80 | Plain | Plain D | |
| | 8K | 80 | Plain | Plain D | |

*1 : Select the paper type setting for the paper loaded on a tray. For more information, refer to "Changing the Paper Settings" (P.56).

*2 : Most ideal image quality with the paper can be obtained by setting the image quality for each type of paper. For more information on the settings, refer to "Image Quality" (P.154).

## Special Media

You can use the following special media such as postcards and envelopes:

**Important** • The paper performance may not be guaranteed depending on the manufacturer of the paper being used. For more information, contact our Customer Support Center.

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Envelope | Monarch (3.9 x 7.5") | - | Envelope | Envelope | • Use Tray 5.<br>• When the Envelope Tray (optional) is installed, you can also load envelopes in the tray. |
| Envelope | Commercial #10 (4.1 x 9.5") | - | Envelope | Envelope | • Use Tray 5.<br>• When the Envelope Tray (optional) is installed, you can also load envelopes in the tray. |
| Envelope | C5 (162 x 229 mm) | - | Envelope | Envelope | • Use Tray 5.<br>• When the Envelope Tray (optional) is installed, you can also load envelopes in the tray. |
| Envelope | DL (110 x 220 mm) | - | Envelope | Envelope | • Use Tray 5.<br>• When the Envelope Tray (optional) is installed, you can also load envelopes in the tray. |
| Envelope | C4 (229 x 324 mm) | - | Envelope | Envelope | • Use Tray 5. |
| Laser card 040P00142 | A4 | 100 | Heavy-weight | Extra Heavyweight A | • When using Tray 5, load the paper with the center slightly curling upward.<br>• When using the Finisher-A1 to deliver the output, load the paper with the edge without a card attached facing the feeding slot of the tray. |

*1 : Select the paper type setting for the paper loaded on a tray. For more information, refer to "Changing the Paper Settings" (P.56).

*2 : Most ideal image quality with the paper can be obtained by setting the image quality for each type of paper. For more information on the settings, refer to "Image Quality" (P.154).

**Note** • For more information on special paper such as other heavyweight paper, contact our Customer Support Center.

## Limited Paper

You can use the following paper with limitations:

**Important** • The paper performance may not be guaranteed depending on the manufacturer of the paper being used. For more information, contact our Customer Support Center.

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Colotech Plus | A4 | 200 | Heavy-weight | Extra Heavyweight A | • Print one sheet at a time, using Tray 5.<br>• When using Tray 5, load the paper with the center slightly curling upward. |
| | A3 | 200 | Heavy-weight | Extra Heavyweight A | |
| | A4 | 220 | Heavy-weight | Extra Heavyweight A | • Print one sheet at a time, using Tray 5.<br>• When using Tray 5, load the paper with the center slightly curling upward. |
| | A3 | 220 | Heavy-weight | Extra Heavyweight A | |
| Colotech Gloss | A4 | 170 | HW Gloss | HW Gloss | • Multiple sheets may be fed to the machine simultaneously. from a paper tray.<br>• Print one sheet at a time. |
| | A3 | 170 | HW Gloss | HW Gloss | |
| Colotech Plus Gloss | A4 | 120 | Gloss | Gloss | • When using a paper tray, the paper is not fed to the machine properly, or multiple sheets may be fed to the machine simultaneously.<br>• Print one sheet at a time.<br>• Blisters may appear when used under high temperature and humidity conditions.<br>• White areas in a crescent shape may appear on the lower half part of the output to the paper feed direction. |
| | A3 | 120 | Gloss | Gloss | |
| | A4 | 140 | Gloss | Gloss | • Multiple sheets may be fed to the machine simultaneously. from a paper tray.<br>• Print one sheet at a time. |
| | A3 | 140 | Gloss | Gloss | |
| | A4 | 210 | HW Gloss | HW Gloss | |
| | A3 | 210 | HW Gloss | HW Gloss | |
| Colotech Plus Silk | A3 | 120 | Gloss | Gloss | • Multiple sheets may be fed to the machine simultaneously. from a paper tray.<br>• Print one sheet at a time. |
| | A3 | 170 | HW Gloss | HW Gloss | |
| | A3 | 210 | HW Gloss | HW Gloss | |

| Paper Name | Size | Basis Weight (gsm) | Paper Type*1 | Image Quality*2 | Notes / Countermeasure |
|---|---|---|---|---|---|
| Colotech Super Gloss | A3 | 160 | Gloss | Gloss | • Print one sheet at a time.<br>• When using Tray 5, print one sheet at a time. When the paper is not fed to the machine properly, load the paper with the edge curled up.<br>• The paper cannot be used under high temperature and humidity conditions.<br>• For high quality printing, a paper jam may occur when the output is delivered to the Exit 2 Tray. In such a case, use the center tray or Side Tray. |
| | A4 | 210 | HW Gloss | HW Gloss | |
| | A3 | 210 | HW Gloss | HW Gloss | |
| 24Up | A4 | Unknown | Labels | - | • Print one sheet at a time, using Tray 5.<br>• Do not reuse the used label or partially peeled label. |
| 16Up | A4 | Unknown | Labels | - | • The paper cannot be used under high temperature and humidity conditions. |
| 8Up | A4 | Unknown | Labels | - | • Print one sheet at a time, using Tray 5.<br>• Do not reuse the used label or partially peeled label. |
| 1Up | A4 | Unknown | Labels | - | • Print one sheet at a time, using Tray 5.<br>• Do not reuse the used label or partially peeled label. |

*1 : Select the paper type setting for the paper loaded on a tray. For more information, refer to "Changing the Paper Settings" (P.56).

*2 : Most ideal image quality with the paper can be obtained by setting the image quality for each type of paper. For more information on the settings, refer to "Image Quality" (P.154).

"High temperature and humidity conditions" in the above table means an environment with temperature of 28 ˚C and humidity of 85 %, and "low temperature and humidity conditions" means an environment with temperature of 10 ˚C and humidity of 15 %.

## Unusable Paper

Using paper not recommended by Fuji Xerox and transparencies may cause a paper jam or machine malfunction. Use paper recommended by Fuji Xerox.

- Transparencies
- Damp or wet paper
- Paper pre-printed with other printer or copier
- Wrinkled, creased, or ripped paper
- Envelopes that are not flat, or that have clasps
- Envelopes with adhesive tape or glue, or that have windows
- Color paper with surface treatments
- Paper with rough surface, such as pulp paper or fibrous paper
- Symphony (Pastel Pink etc.) 80 gsm

## Storing and Handling Paper

### ■ Please keep the following points in mind when storing paper

- Store paper inside a cabinet or other dry place. Paper that has absorbed moisture can result in paper jams and lower image quality.
- After opening a package of paper, wrap and store any remaining paper. We recommend that you store remaining paper in moisture prevention packets.
- Store paper on a flat surface to prevent bends or warping.
- Do not store unwrapped paper in high temperature and humid locations.

### ■ Please adhere to the following points when loading paper in a tray

- Align the stack of paper neatly before setting it in a tray.
- Do not use paper that is creased or wrinkled.
- Do not use warped or curled paper.
- Do not load paper of mixed sizes together into a tray.
- Carefully fan labels before use. Otherwise, the paper may stick together, resulting in paper jams, or multiple sheets being fed to the machine simultaneously.

# Loading Paper

This section describes how to load paper.

### ■ Types of paper loaded in trays

The machine automatically detects the size and orientation of loaded paper in a tray, but not a paper type. Normally, each tray is set to plain paper. When loading paper other than plain paper, you must change the paper type setting. You can name paper types and can set up to five paper types as user-defined paper.

For information on changing the paper type settings, refer to "Changing the Paper Settings" (P.56).

### ■ Automatic Tray Selection

If you set paper source on the [Paper/Output] tab to [Paper Tray] in the PCL print driver's screen when printing, the machine automatically selects the paper tray according to the size and orientation of the document to be printed. This is called [Automatic Tray Selection].

When copying, selecting [Auto Select] for [Paper Supply] enables automatic tray selection. If the machine detects two or more corresponding trays for the automatic tray selection, the machine selects the tray with the highest priority specified in [Paper Type Priority] among the trays set under [Paper Type Settings]. Trays whose [Paper Type Priority] setting is set to [Auto Paper Off] are ignored in automatic tray selection. Also, if the [Paper Type Priority] settings are identical, the tray priority is determined by [Paper Tray Priority].

**Note**
- Some trays may not be selected in automatic tray selection depending on the setting of that tray for [Auto Paper Select]. For more information, refer to "Change Settings" (P.152).
- Tray 5 cannot be selected in automatic tray selection.
- When the paper runs out during copying or printing, select a tray containing the same sized paper and orientation, and the machine continues copying or printing (Auto Tray Switching feature). The machine cannot switch to a tray containing a paper type for which [Paper Type Priority] is set to [Auto Paper Off].

For information about [Paper Type], [Paper Type Priority], and [Paper Tray Priority] settings, and the paper substitute feature, refer to "Paper Tray Settings" (P.151). You can also set these settings from CentreWare Internet Services.

### ■ Adding paper

When the machine runs out of paper during copying or printing, a message appears on the touch screen. Add paper according to the message instructions. Copying or printing automatically resumes when paper is added.

**Note**
- Carefully fan paper before loading it in a tray. Otherwise, the paper may stick together, resulting in paper jams, or multiple sheets being fed to the machine simultaneously.

## Loading Paper in Trays 1 to 4

The following describes the procedures to load paper in Trays 1 to 4.

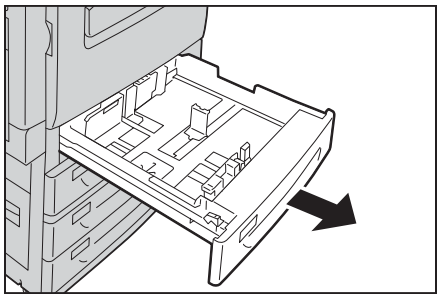
When the machine runs out of paper during copying or printing, a message appears on the touch screen. Add paper according to the message instructions. Copying or printing automatically resumes when paper is added.

**Important**
- The user documentations may be placed in a tray when the machine is first installed. In the case, be sure to remove the user documentations from the tray. Otherwise, it may cause paper jams or machine malfunction.
- Do not place any objects other than paper in the trays.

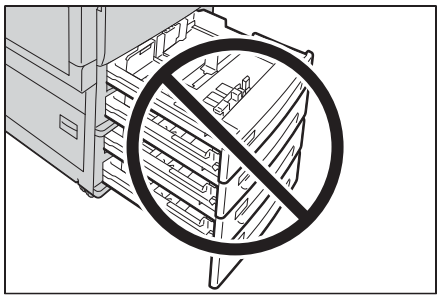
**Note**
- Trays 3 and 4 are optional for some models.
- Carefully fan paper before loading it in a tray. Otherwise, the paper may stick together, resulting in paper jams.

For information on changing the paper size and orientation, refer to "Changing the Paper Size for Trays 1 to 4" (P.54).

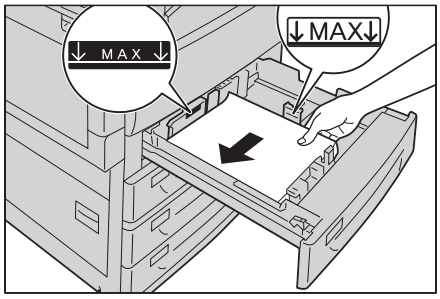
***1*** Pull out the tray until it stops.



**Important**
- While the machine is processing a job, do not pull out the tray that is being used for a job.
- To prevent paper jams or erroneous detection of loaded paper in a tray by the machine, do not add paper on top of any remaining paper in the tray. Remove any remaining paper in the tray, and then load that paper on top of the newly loaded paper.
- Do not pull out all the trays together. Otherwise, the machine gets inclined and turns over, which may cause injuries.



***2*** Load and align the edge of the paper against the left edge of the tray, with the side to be copied or printed on facing up.




**Important**
- Do not load paper above the maximum fill line ("MAX" in the right figure). It may cause paper jams or machine malfunction.
- Do not place any paper or objects in the empty space on the right side of Trays 1 to 4. It may cause paper jams or machine malfunction.

***3*** Push the tray in gently until it stops.

**Important**
- When inserting the tray, push it gently. Forcibly pushing in the tray may cause machine malfunction.

## When the Envelope Tray (Optional) is Installed

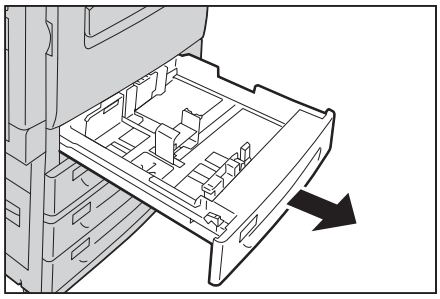
When the Envelope Tray (optional) is inserted into the slot for Tray 1, you can load envelopes in the tray.

The following sizes of envelopes can be loaded in the Envelope Tray.

- Monarch (3.9 x 7.5")
- Commercial #10 (4.1 x 9.5")
- C5 (162 x 229 mm)
- DL (110 x 220 mm)
- Custom size (148 x 241 to 98 x 162 mm)

**Important**
- Insert the Envelope Tray in the slot for Tray 1 only. Inserting the Envelope Tray in any other slot will damage it.
- The Envelope Tray can only be used in place of Tray 1. The standard Tray 1 cannot be used while the Envelope Tray is used.
- To use Tray 1 as the Envelope Tray, select [Coupled as Envelope Feeder] in [Tray 1 Configuration], and then select the [Envelope Feeder] check box on the [Tray 1] screen under [Paper Tray Attributes] in the System Administration mode. For more information, refer to "Tray 1 Configuration" (P.170) and "Paper Tray Attributes" (P.151).

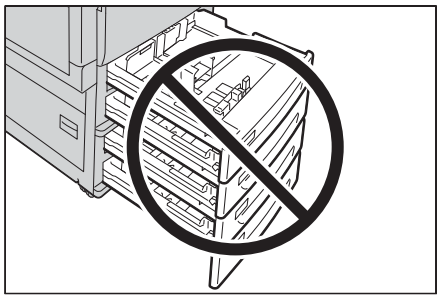
***1*** Pull out the Envelop Tray until it stops.



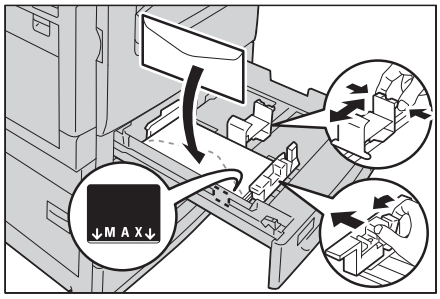
**Important** • While the machine is processing a job, do not pull out the tray that is being used for a job.

• To prevent paper jams or erroneous detection of loaded envelopes in a tray by the machine, do not add envelopes on top of any remaining envelopes in the tray. Remove any remaining envelopes in the tray, and then load those envelopes on top of the newly loaded envelopes.

• Do not pull out all the trays together. Otherwise, the machine gets inclined and turns over, which may cause injuries.



***2*** Load the envelopes in the Envelope Tray with the side to be copied or printed on facing up and the edge with the flap against the left edge of the tray.




**Important** • Do not load envelopes above the maximum fill line ("MAX" in the right figure). It may cause paper jams or machine malfunction.

• Do not place any paper or objects in the empty space on the right side of the Envelope Tray. It may cause paper jams or machine malfunction.

***3*** Adjust the paper guides to the size of the envelopes.

***4*** Push the Envelope Tray in gently until it stops.

**Important** • When inserting the tray, push it gently. Forcibly pushing in the tray may cause machine malfunction.

***5*** Select the envelope size on the control panel.

**Important** • The machine does not automatically detect the envelope size loaded in the Envelope Tray. Make sure to select the correct envelope size on the control panel. For information on how to select the envelope size, refer to "3 Copy" > "Copy" > "Paper Supply (Selecting the Paper for Copying)" in the User Guide.

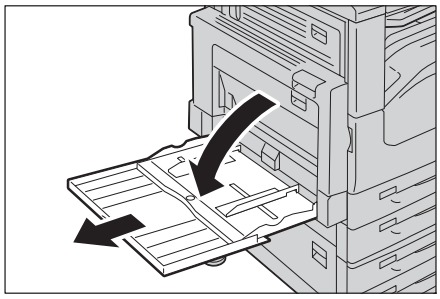
## Loading Paper in Tray 5

When printing or copying on a size or type of paper that cannot be set in Trays 1 to 4, use Tray 5. The following describes the procedures to load paper in Tray 5. For printings, specify the instructions using the [Paper/Output] tab in the print driver. Also specify the type of paper to be loaded.

**Important** • To prevent from paper jams and erroneous detection of paper loaded in the tray by the machine, do not take out paper of a package until the tray runs out of paper.

**Note** • Carefully fan paper before loading it in a tray. Otherwise, the paper may stick together, resulting in paper jams, or multiple sheets being fed to the machine simultaneously.

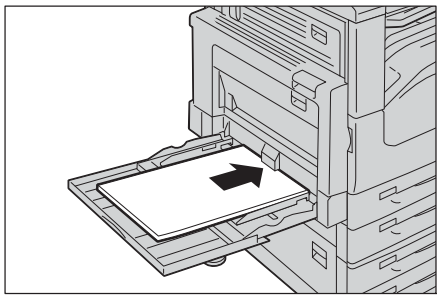
***1*** Open Tray 5.



**Note**

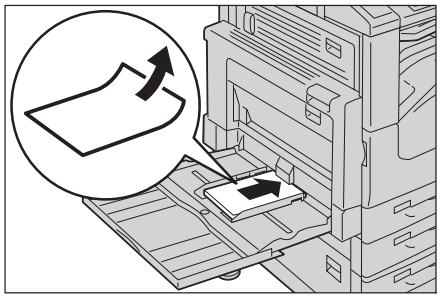
- If necessary, pull out the extension tray. The extension tray can be extended in two stages. Pull out the extension tray gently.

***2*** Load paper with the side to be copied or printed on facing down, inserting the paper until its edge lightly touches against the paper feed entrance.



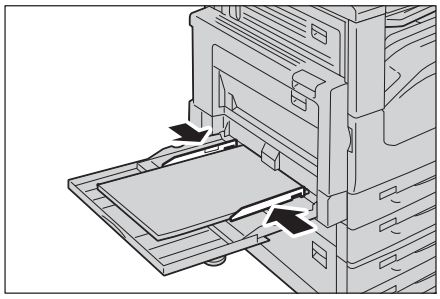
**Important**

- Do not load mixed paper types into the tray.
- Do not load paper above the maximum fill line. It may cause paper jams or machine malfunction.



- When making copies or prints on thick-stock paper and the paper will not feed into the machine, apply a curl to the paper as shown in the figure on the right. Note, however, that excessively bending or folding the paper may cause paper jams.
- Depending on the type of the heavyweight paper, paper may not be fed to the machine or image quality may deteriorate.

***3*** Adjust the paper guides to align the edges of the paper loaded.



***4*** Instruct a copy or print job.

# Changing the Paper Size

This section describes how to change the paper size in Trays 1 to 4.

**Note**
- The types of paper in Trays 1 to 4 are preset. Normally, Trays 1 to 4 are set to plain paper. When changing to a different paper type, change the paper quality settings to match the type of paper to be loaded so that you can maintain high quality printing.
  For more information on paper type settings, refer to "Changing the Paper Settings" (P.56).
- When loading non-standard size paper, you must register the paper size. For information on registering paper sizes, refer to "Paper Size" (P.152).

For more information on corresponding paper sizes, refer to "Paper Tray Settings" (P.151).

For more information on how to copy on non-standard size paper, refer to "3 Copy" > "Copy" > "Paper Supply (Selecting the Paper for Copying)" in the User Guide. For more information on how to print on non-standard size paper, refer to the help of the print driver.

**Important**
- Do not load paper of mixed sizes together into a tray.



## Changing the Paper Size for Trays 1 to 4

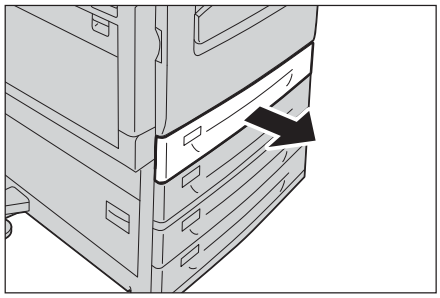
The following describes how to change paper size in Trays 1 to 4.

**Note**
- Trays 3 and 4 are optional for some models.
- The types of paper in Trays 1 to 4 are preset. There are 11 paper types: Plain paper, Bond paper, Recycled paper, Heavyweight paper, Gloss paper, Labels, Custom paper 1 to 5, and normally, plain paper is set. When changing to a different paper type, change the paper quality settings to match the type of paper to be loaded so that you can maintain high quality printing.
  For more information on paper type settings, refer to "Changing the Paper Settings" (P.56).
- When loading non-standard size paper, you must register the paper size. For information on registering paper sizes, refer to "Paper Tray Attributes" (P.151).

For more information on how to copy on non-standard size paper, refer to "3 Copy" > "Copy" > "Paper Supply (Selecting the Paper for Copying)" in the User Guide. For more information on how to print on non-standard size paper, refer to the help of the print driver.

***1*** Pull out the Tray until it stops.

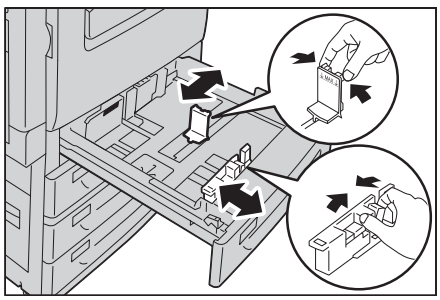
> **⚠CAUTION**
>
> When pulling out the paper tray, do it slowly. If pulled out with too much force, the tray can hit and injure your knees.



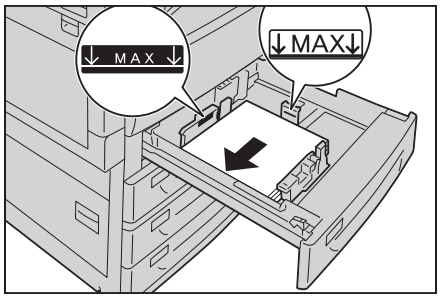
**Important**
- While the machine is processing a job, do not pull out the tray that is being used for a job.
- To prevent paper jams or erroneous detection of loaded paper in a tray by the machine, do not add paper on top of any remaining paper in the tray.

***2*** Remove any paper loaded in the tray.

***3*** While pinching the two paper guides, move them to the positions for the paper size you are loading.



**4** Load and align the edge of the paper against the left side of the tray, with the side to be copied or printed on facing up.




**Important** • Do not load paper above the maximum fill line.

**5** Push the tray in gently until it stops.

**Important** • When inserting the tray, push it gently. Forcibly pushing in the tray may cause machine malfunction.

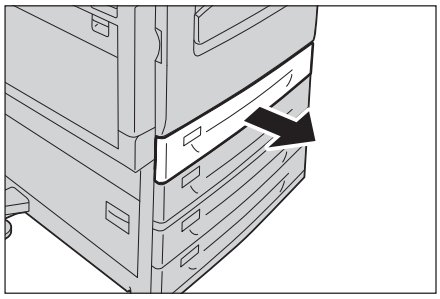
**Note** • Affix the paper size label to the front of the paper tray.

For more information on paper type settings, refer to "Changing the Paper Settings" (P.56).

## When the Envelope Tray (Optional) is Installed

The following describes how to change the envelope size in the Envelope Tray (optional).

**1** Pull out the Envelope Tray until it stops.

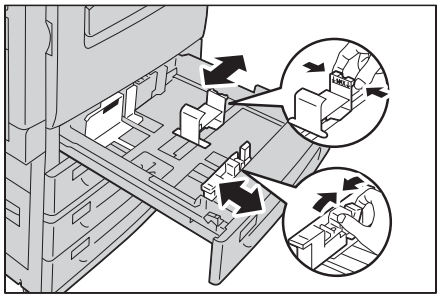


**Important** • While the machine is processing a job, do not pull out the tray that is being used for a job.

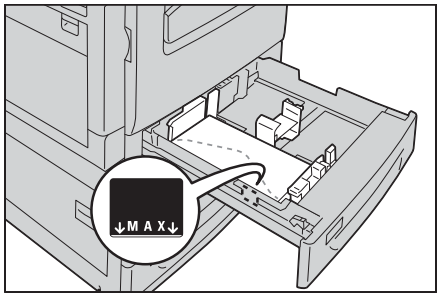
• To prevent paper jams or erroneous detection of loaded envelopes in the Envelope Tray by the machine, do not add envelopes on top of any remaining envelopes in the tray.

**2** Remove any envelopes loaded in the tray.

**3** While pinching the two paper guides, move them to the positions for the envelope size you are loading.



**4** Load the envelopes in the Envelope Tray with the side to be copied or printed on facing up and the edge with the flap against the left edge of the tray.




**Important** • Do not load paper above the maximum fill line.

**5** Push the tray in gently until it stops.

**Important** • When inserting the tray, push it gently. Forcibly pushing in the tray may cause machine malfunction.

For more information on paper type settings, refer to "Changing the Paper Settings" (P.56).

# Changing the Paper Settings

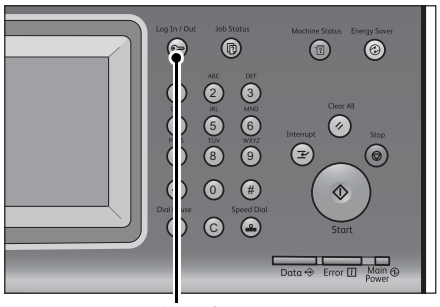


This section describes how to change the paper type for Trays and how to set image quality processing by the individual paper type.

After loading paper in a tray, specify the type of paper loaded and select image quality for the paper type. Setting Image quality for each paper type enables you to print with the most suitable image quality for the paper type. For more information on setting image quality for each paper type, refer to "Image Quality" (P.154).

**Note**
- Users can name Custom 1 to Custom 5 displayed in the paper type settings. For information on how to set names to Custom 1 to Custom 5, refer to "Custom Paper Name/Color" (P.151).
- You can change the paper type setting without entering to the System Administration mode on the [Setup] screen, which is displayed by selecting [Setup] in the [Services Home] screen if you configure the settings in advance. For more information, refer to "Customize Paper Supply Screen" (P.152).

***1*** Press the <Log In/Out> button.

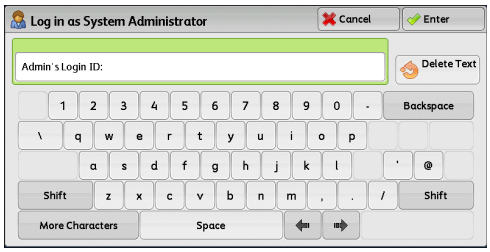



<Log In/Out> button

***2*** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

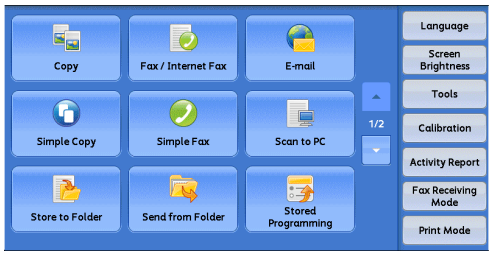
When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

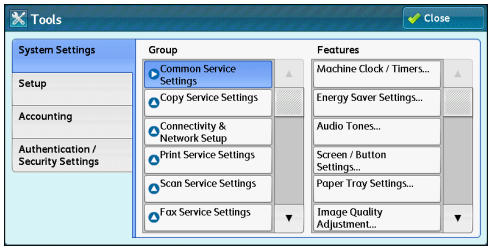



***3*** Select [Tools] on the [Services Home] screen.

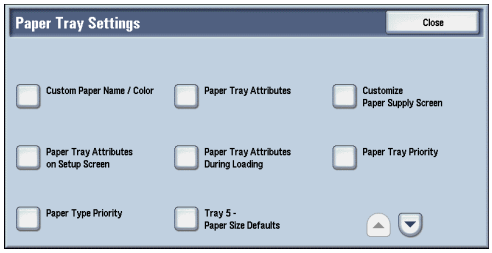
**Note**
- When the [Services Home] screen is not displayed on the touch screen, press the <Services Home> button.



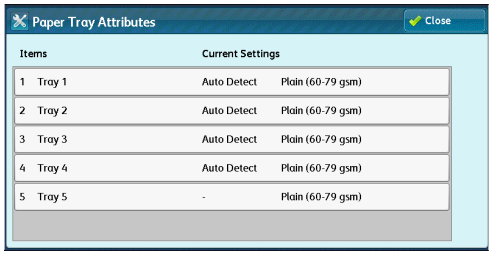

***4*** Select [System Settings] > [Common Service Settings] > [Paper Tray Settings].



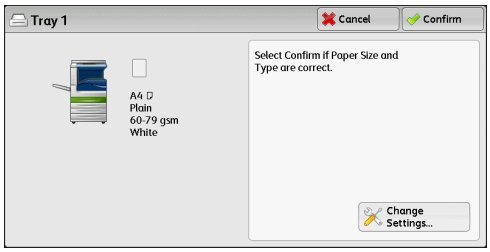
**5** Select [Paper Tray Attributes].



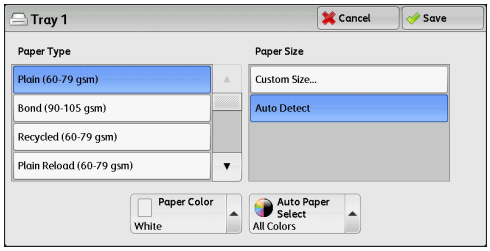

**6** Select a paper tray for changing the paper type setting under [Items].




**7** Select [Change Settings].



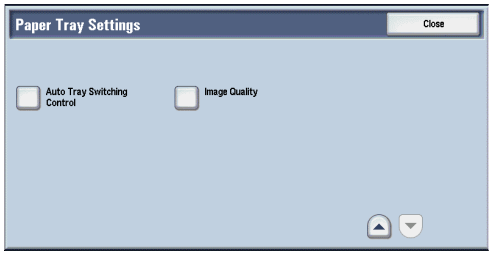

**8** Select the [Paper Type], [Paper Size], [Paper Color], and [Auto Paper Select] respectively.




**9** Select [Cancel], [Save], [Close] or [Confirm] repeatedly until the [Paper Tray Settings] screen is displayed.

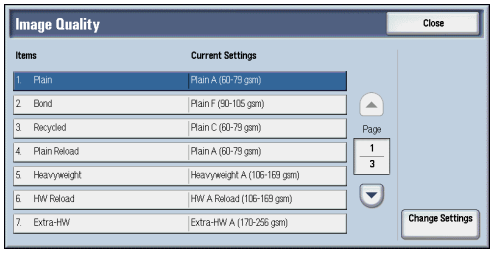
**10** Select [Image Quality].

**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.

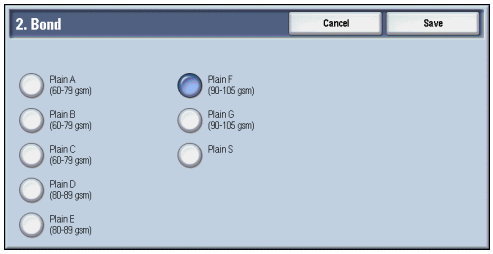



**11** Select the paper type for changing the image quality settings under [Items], and then select [Change Settings].

**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.



***12*** Select the image quality, and then select [Save].




***13*** Make sure that the paper type you selected is displayed under [Current Settings] of [Items], and then select [Close].

***14*** Select [Close] repeatedly until the [Tools] screen is displayed.

***15*** Select [Close].

# 3 Maintenance

This chapter describes how to replace consumables, clean the machine, calibrate colors, print a report/list, and delete a print job with an invalid User ID.


- Replacing Consumables....60
- Cleaning the Machine....88
- Executing Calibration....93
- Printing a Report/List....97
- Deleting a Private Charge Print Job with an Invalid User ID....98
- Setting Restore Tool....99

# Replacing Consumables

The machine is provided with the following consumables and periodic replacement parts. We recommend the use of the following consumables as they are manufactured to meet the specifications of the machine.

| Type of Consumables/ Periodic Replacement Parts | Product Code | Quantity/Box |
|---|---|---|
| Toner cartridge K (Black) | CT201434 | 1 unit/box |
| Toner cartridge C (Cyan) | CT201435 | 1 unit/box |
| Toner cartridge M (Magenta) | CT201436 | 1 unit/box |
| Toner cartridge Y (Yellow) | CT201437 | 1 unit/box |
| Drum cartridge K (Black) | CT350947 | 1 unit/box |
| Drum cartridge C (Cyan) | CT350948 | 1 unit/box |
| Drum cartridge M (Magenta) | CT350949 | 1 unit/box |
| Drum cartridge Y (Yellow) | CT350950 | 1 unit/box |
| Waste toner container | CWAA0777 | 1 unit/box |
| Staple cartridge (Finisher-A1/B1)*1 | CWAA0540 | 5,000 staples × 3 sets/box |
| Staple cartridge (Booklet Maker Unit for Finisher-B1)*2 | CWAA0728 | 2,000 staples × 4 sets/box |
| Stamp Replacement Kit | F451 | - |
| Fusing Unit 220V | CWAA0791 | 1 unit/box |
| Fusing Unit 110V | CWAA0792 | 1 unit/box |
| IBT Unit | CWAA0793 | 1 unit/box |
| 2nd BTR Unit | CWAA0794 | 1 unit/box |

*1 : For Finisher-A1 and Finisher-B1
*2 : For Booklet Maker Unit for Finisher-B1

**Note** • We recommend that you always keep spare consumables/periodic replacement parts available.

**⚠WARNING**

- Use a broom or a wet cloth to wipe off spilled toner. Never use a vacuum cleaner for the spills. It may catch fire by electric sparks inside the vacuum cleaner and cause explosion. If you spill a large volume of toner, contact your local Fuji Xerox representative.
- Never throw a toner cartridge into an open flame. Remaining toner in the cartridge may catch fire and cause burn injuries or explosion.
  If you have a used toner cartridge no longer needed, contact your local Fuji Xerox representative for its disposal
- Never throw a waste toner container into an open flame. Toner may catch fire and cause burn injuries or explosion.
  If you have a used waste toner container no longer needed, contact your local Fuji Xerox representative for its disposal.

**⚠CAUTION**

- Keep drum cartridges and toner cartridges out of the reach of children. If a child accidentally swallows toner, spit it out, rinse mouth with water, drink water and consult a physician immediately.
- When replacing drum cartridges and toner cartridges, be careful not to spill the toner. In case of any toner spills, avoid contact with clothes, skin, eyes and mouth as well as inhalation.
- If toner spills onto your skin or clothing, wash it off with soap and water.
  If you get toner particles in your eyes, wash it out with plenty of water for at least 15 minutes until irritation is gone. Consult a physician if necessary.
  If you inhale toner particles, move to a fresh air location and rinse your mouth with water.
  If you swallow toner, spit it out, rinse your mouth with water, drink plenty of water and consult a physician immediately.



### ■ Handling consumables/periodic replacement parts

- Do not store boxes of consumables/periodic replacement parts upright.
- Do not unpack consumables/periodic replacement parts before use. Avoid storing consumables/periodic replacement parts in the following locations:
  - In high temperature and humid locations
  - Near heat-generating devices
  - Areas exposed to direct sunlight
  - Dusty areas
- When using consumables/periodic replacement parts, carefully read precautions for use. Precautions for use are instructed on their bodies or packages, or a precaution sheet is included in their packages.
- We recommend always keeping spare consumables/periodic replacement parts in stock.
- When calling our Customer Support Center to order consumables/periodical replacement parts, have the product codes ready.
- The use of consumables/periodic replacement parts not recommended by Fuji Xerox could impair machine quality and performance. Use only consumables/periodic replacement parts recommended by Fuji Xerox.

### ■ Checking the status of consumables

You can check the status of consumables on the [Supplies] screen.

For information on consumables, refer to "Supplies" (P.120).

The following shows the reference section for each procedure.

Replacing Toner Cartridges ..... 62
Replacing Waste Toner Container (R5) ..... 64
Replacing Drum Cartridges R1, R2, R3, or R4 ..... 67
Replacing Staple Cartridge (for Finisher-A1) ..... 71
Replacing Staple Cartridge (for Finisher-B1) ..... 73
Replacing Staple Cartridge (for Booklet Maker Unit for Finisher-B1) ..... 74
Emptying Punch Waste Container (for Finisher-B1) ..... 75
Replacing Stamp ..... 76
Replacing Fusing Unit ..... 78

Replacing IBT Unit ..... 79
Replacing 2nd BTR Unit ..... 84

## Replacing Toner Cartridges

The following messages are displayed on the touch screen depending on the amount of toner remaining. Replace the toner cartridge according to the message.

| Message*1 | Remaining Page Yield*2 | Solution |
|---|---|---|
| Please order a Yellow Toner [Y] Cartridge. | Black: Approx. 3,000 pages<br>Other than Black: Approx. 2,500 pages | You do not need to replace the Toner Cartridge immediately. Order the Toner Cartridge displayed on the screen. |
| Yellow Toner [Y] Cartridge needs to be replaced soon. | Approx. 40 pages | Replace the toner cartridge with a new one. |
| Yellow Toner [Y] Cartridge needs to be replaced. | - | The machine will stop. Replace the toner cartridge with a new one. |

*1 : The messages in the above table apply to Yellow Toner. "Yellow Toner [Y]" shown in the messages vary depending on the color and number of the applicable toner.

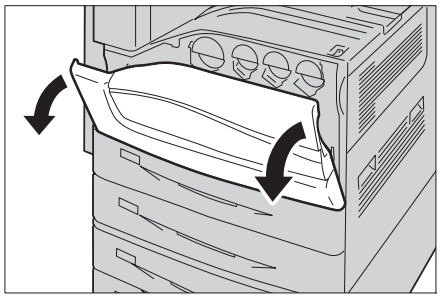
*2 : The remaining page yield for copy/print jobs is applicable when A4 paper LEF (□) is used. The value is an estimate and varies depending on the conditions such as the content printed, dot coverage (area coverage), paper size, paper type, copy/print density, output image type, and the machine operating environment.

**⚠WARNING**

- Use a broom or a wet cloth to wipe off spilled toner. Never use a vacuum cleaner for the spills. It may catch fire by electric sparks inside the vacuum cleaner and cause explosion. If you spill a large volume of toner, contact your local Fuji Xerox representative.
- Never throw a toner cartridge into an open flame. Remaining toner in the cartridge may catch fire and cause burn injuries or explosion.
  If you have a used toner cartridge no longer needed, contact your local Fuji Xerox representative for its disposal.

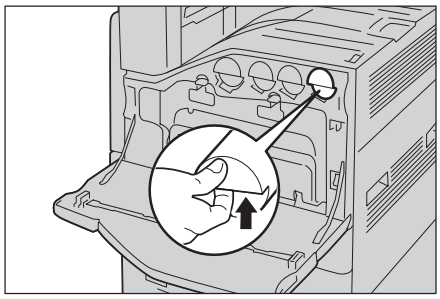
**Important**
- When replacing a toner cartridge, toner may spill and soil the floor. We recommend laying paper on the floor beforehand.
- The use of toner cartridges not recommended by Fuji Xerox may degrade image quality and performance. Use only toner cartridges recommended by Fuji Xerox.
- When the remaining amount of toner is low, the machine may stop printing and display a message. If this occurs, replace the toner cartridge to resume copying or printing.
- Replace toner cartridges while the machine is on.
- Copy or print density may decrease slightly after the message "Please order a XXX Toner Cartridge" appears on the touch screen.
- When the machine is in the Energy Saver mode, exit the Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel before you replace the toner cartridge.
- When replacing the toner cartridge, press the <Machine Status> button and check the current status for the toner cartridge even when the control panel is lit.
- If you replace a toner cartridge with a partially used toner cartridge, the number of pages that you can copy or print after the message "Please order a XXX Toner Cartridge" is displayed may differ significantly from the values described in the above table.

**1** Make sure that the machine is not operating, and open the front cover.



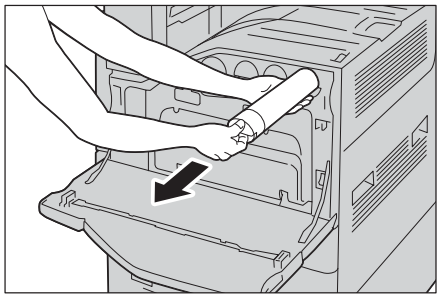
**2** Put your hand under the dent of the toner cartridge indicated in the message, and slightly lift up the cartridge.

**Note** • "Y", "M", "C", or "K" indicates Yellow, Magenta, Cyan, and Black, respectively.



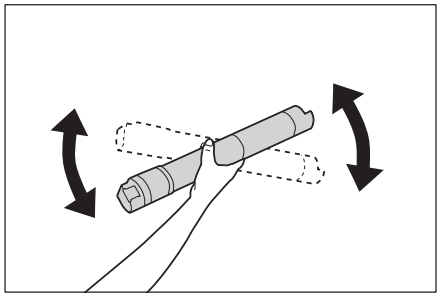
**3** Pull out the toner cartridge slowly, and slide it out.

> **⚠WARNING**
>
> Never throw a toner cartridge into an open flame. Remaining toner in the cartridge may catch fire and cause burn injuries or explosion.
> If you have a used toner cartridge no longer needed, contact your local Fuji Xerox representative for its disposal.

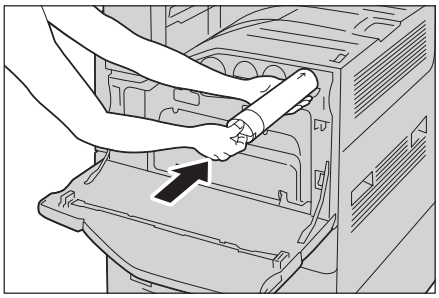


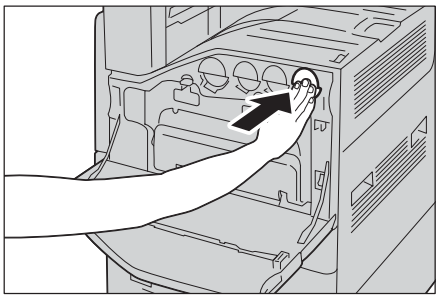
**Important** • Slide out the toner cartridge gently. Otherwise, toner may spill from the cartridge.
• If you have a used toner cartridge which is no longer needed, contact our Customer Support Center for its disposal.

**4** Take the new toner cartridge of the same color out of the box, and shake the cartridge up and down and left and right for ten times.



**5** Hold the cartridge with the arrow facing up, and push the cartridge in slowly until it stops.





**6** Close the front cover.

**Note** • If the front cover is not completely closed, a message will appear and the machine will remain paused.



## Replacing Waste Toner Container (R5)

The waste toner container holds used toner. The following messages are displayed on the touch screen according to the status of the waste toner container. Follow the messages.

| Message | Remaining Page Yield* | Solution |
|---|---|---|
| Please order a Waste Toner Container. | • DocuCentre-IV C2265 Approx. 1,000 pages<br>• DocuCentre-IV C2263 Approx. 900 pages | Order the waste toner container. |
| The Waste Toner Container needs to be replaced. | - | The machine will stop. Replace the waste toner container with a new one. |

* : The remaining page yield for copy/print jobs is applicable when A4 paper LEF ( ) is used. The value is an estimate and varies depending on the conditions such as the content printed, dot coverage (area coverage), paper size, paper type, copy/print density, output image type, and machine operating environment.

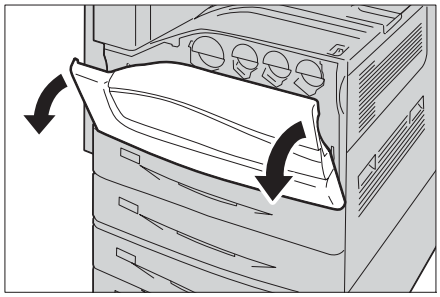
When replacing the waste toner container, clean the laser scanners located behind the waste toner container by using the cleaning bar supplied with a new waste toner container to prevent inconsistencies in density or color in copies and prints.

**⚠WARNING**

- Use a broom or a wet cloth to wipe off spilled toner. Never use a vacuum cleaner for the spills. It may catch fire by electric sparks inside the vacuum cleaner and cause explosion. If you spill a large volume of toner, contact your local Fuji Xerox representative.
- Never throw a waste toner container into an open flame. Toner may catch fire and cause burn injuries or explosion.
  If you have a used waste toner container no longer needed, contact your local Fuji Xerox representative for its disposal.

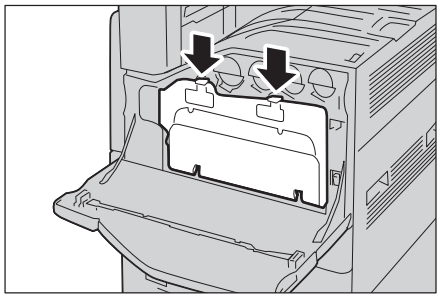
**Important**
- Do not touch the five gray-colored sponge parts on the back side of the waste toner container. Otherwise, your hands may get dirty with toner.
- When you replace the waste toner container, toner may spill and soil the floor. We recommend laying paper on the floor beforehand.
- The proper disposal of used waste toner containers is required. Return the old waste toner container to our Customer Support Center.
- The use of waste toner containers not recommended by Fuji Xerox may degrade image quality and performance. Use only waste toner containers recommended by Fuji Xerox.
- When the machine is in the Energy Saver mode, exit the Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel before you replace the waste toner container.
- When replacing the waste toner container, press the <Machine Status> button and check the current status for the waste toner container even when the control panel is lit.

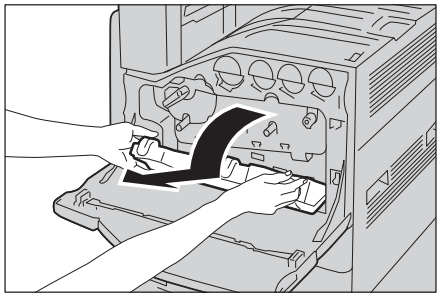
***1*** Make sure that the machine is not operating, and open the front cover.



***2*** While holding down the tabs on the top of the waste toner container, lay the container down toward you and then pull out the container upward at an angle.

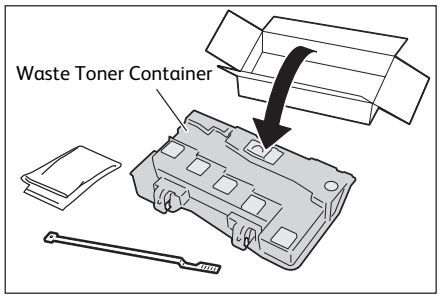
**Note**
- After removing the waste toner container from the machine, do not turn the container upside down. Otherwise, toner may spill.



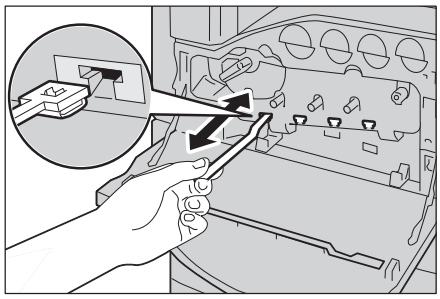


**3** Prepare a new waste toner container and cleaning bar.

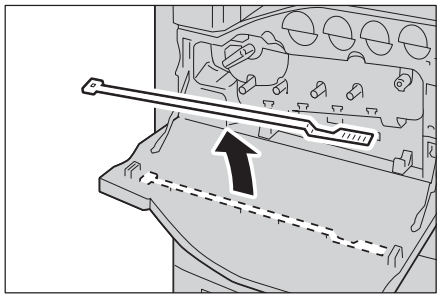
**Note** • Take a new container and cleaning bar out of the box in advance.



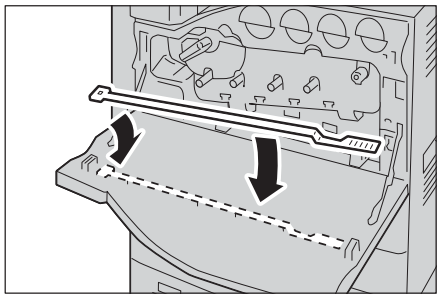

**4** Clean each of the laser scanners once with the new cleaning bar.
Insert the cleaning bar into each slot until it stops, and then slowly slide the bar back out.



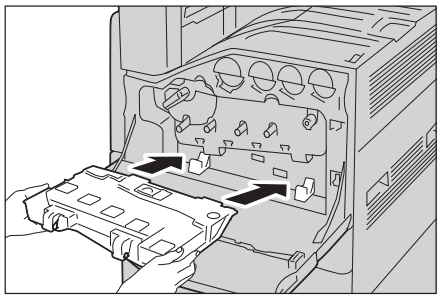
**5** After cleaning the laser scanners, remove the old cleaning bar from the back side of the front cover.



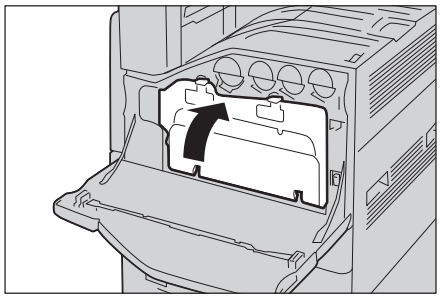
**6** Attach the new cleaning bar to the back side of the front cover.



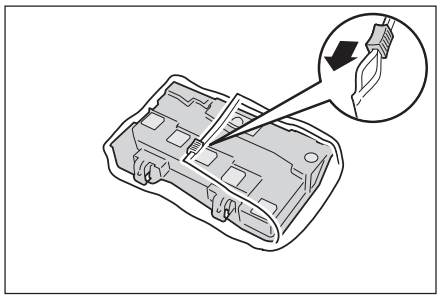
**7** Align the dents at the bottom of the waste toner container with the tabs on the machine.



**8** Raise the waste toner container toward the inside of the machine until it clicks into place.

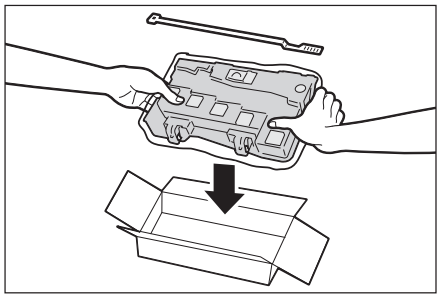


**9** Insert the used waste toner container into the supplied plastic bag.



**10** Use both hands to carefully place the used waste toner container into the empty box. Place also the old cleaning bar in the box.

**Important** • Return the old waste toner container to our Customer Support Center.



**11** Close the front cover.

**Note** • If the front cover is not completely closed, a message will appear and the machine will remain paused.



## Replacing Drum Cartridges R1, R2, R3, or R4

The machine displays the following messages when a drum cartridge needs to be replaced. When the message is displayed, contact our Customer Support Center.

Refer to this section and locate the position or the indicated drum cartridge (R1, R2, R3, or R4), and replace the drum cartridge.

If you continue to copy or print without replacing the drum cartridge after the message is displayed on the touch screen, the machine will stop after copying or printing the number of pages shown in the following table.

| Message | Remaining Page Yield | Solution |
|---|---|---|
| Please order a Drum Cartridge RX. | • DocuCentre-IV C2265 Approx. 2,000 pages<br>• DocuCentre-IV C2263 Approx. 1,700 pages | You do not need to replace the Drum Cartridge immediately. Order the Drum Cartridge displayed on the screen. |
| Drum Cartridge needs to be replaced. | - | Replace the drum cartridge with a new one. |

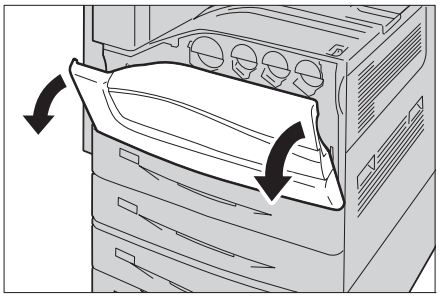
**⚠CAUTION**

- When replacing drum cartridges and toner cartridges, be careful not to spill the toner. In case of any toner spills, avoid contact with clothes, skin, eyes and mouth as well as inhalation.
- If toner spills onto your skin or clothing, wash it off with soap and water.
  If you get toner particles in your eyes, wash it out with plenty of water for at least 15 minutes until irritation is gone. Consult a physician if necessary.
  If you inhale toner particles, move to a fresh air location and rinse your mouth with water.
  If you swallow toner, spit it out, rinse your mouth with water, drink plenty of water and consult a physician immediately.
- Keep drum cartridges and toner cartridges out of the reach of children. If a child accidentally swallows toner, spit it out, rinse mouth with water, drink water and consult a physician immediately.

**Important**
- The use of drum cartridges not recommended by Fuji Xerox may degrade image quality and performance. Use only drum cartridges recommended by Fuji Xerox.
- When the machine is in the Energy Saver mode, exit the Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel before you replace the drum cartridge.
- When replacing the drum cartridge, press the <Machine Status> button and check the current status for the drum cartridge even when the control panel is lit

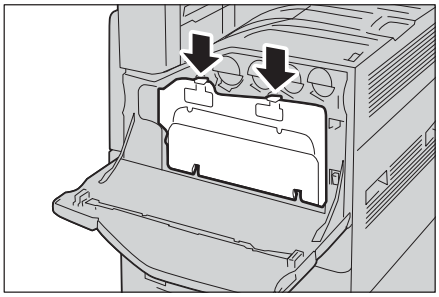
**Note**
- Do not expose drum cartridges to direct sunlight or strong light from indoor fluorescent lighting. Do not touch or scratch the surface of the drum. Doing so may result in unsatisfactory printing.
- When storing drum cartridges, do not leave them unpacked before use. The drum cartridges may be deteriorated when exposed to light.
- The remaining page yield is applicable when A4 paper LEF (□) is used. The value is an estimate and varies depending on the conditions such as the paper size, the paper orientation, the number of pages continuously print, and the machine operating environment.
- Replace the drum cartridge while the machine is switched on. If the power is switched off, all information stored to the machine's memory will be erased.
- Images output from the machine may get dirty after the message "Please order a Drum Cartridge XXX RX" appears on the touch screen.

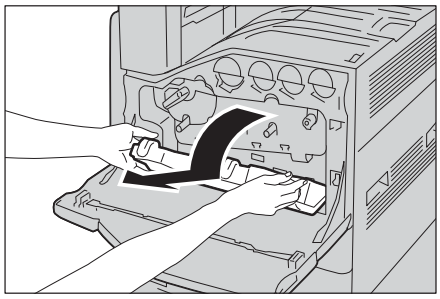
***1*** Make sure that the machine is not operating, and open the front cover.



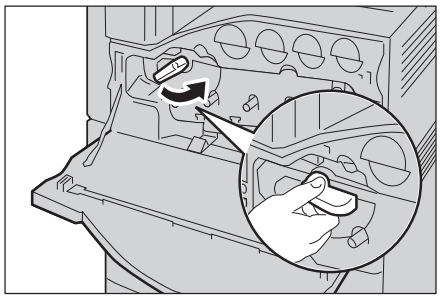
***2*** While holding down the tabs on the top of the waste toner container, lay the container down toward you and then pull out the container upward at an angle.

**Note**
- After removing the waste toner container from the machine, do not turn the container upside down. Otherwise, toner may spill.



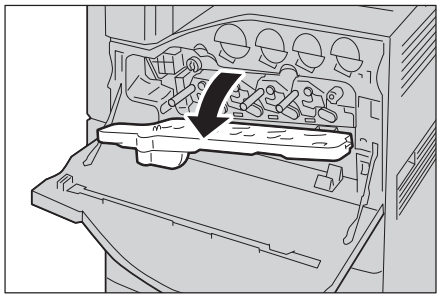


***3*** Rotate the release lever of the drum cartridge cover counterclockwise.



***4*** Lower the cover.

**Note** • The drum cartridge is unlocked.

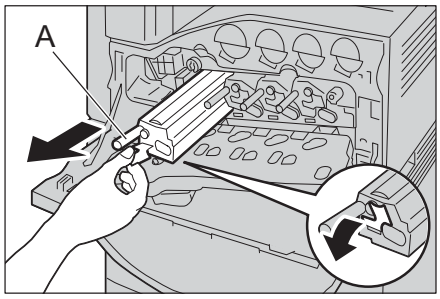


***5*** Pull down the handle of the drum cartridge indicated in the message (R1, R2, R3, or R4) and gently slide out the cartridge.

**Important** • When removing the drum cartridge, be careful not to drop it on the floor.

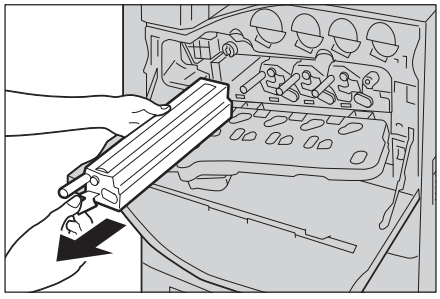
• Be careful not to touch the waste toner transport pipe (A) located at the edge of the drum cartridge as it is dirty with toner. If toner gets on your hands, wash it off.

**Note** • This section explains how to replace the drum cartridge R1, as an example.




***6*** Hold the bottom of the drum cartridge as shown in the illustration, and pull it out from the machine.

**Important** • Be careful not to touch the toner attached to the cartridge.

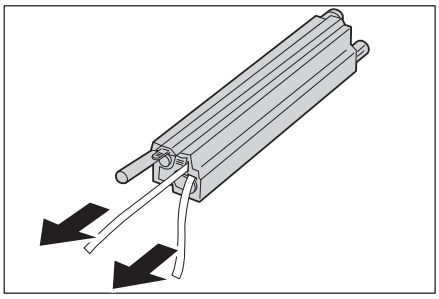


***7*** Take the new drum cartridge out of the box, and insert the used drum cartridge into the supplied plastic bag and place it into the box.

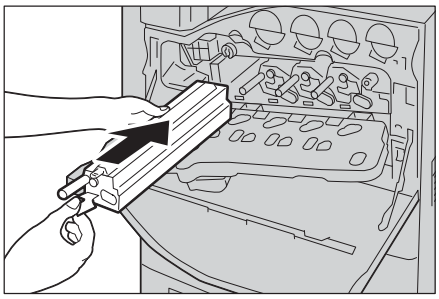
**Important** • Do not place the new drum cartridge in an upright position.

• Return the old drum cartridge to our Customer Support Center.

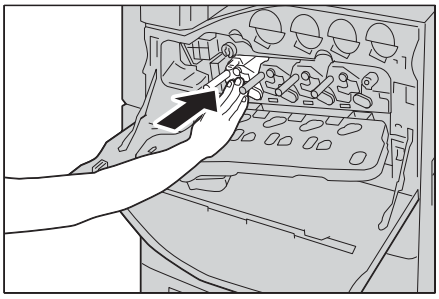
***8*** Pull out all the yellow ribbons extending from the drum cartridge.



***9*** Insert the new drum cartridge with protective cover in the housing on the machine.

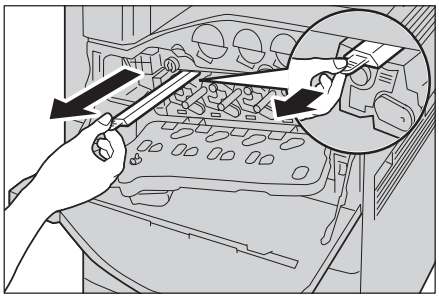


***10*** Push the drum cartridge straight in the housing until it clicks into place.



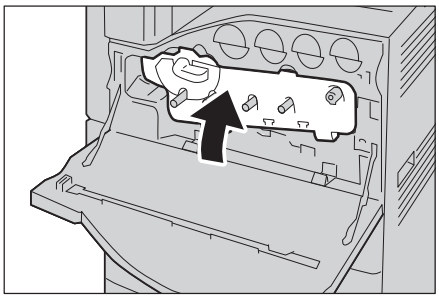
***11*** Grasp the orange tab on top of the drum cartridge, and then carefully pull out the protective cover.

**Note** • Place the protective cover into the empty box.

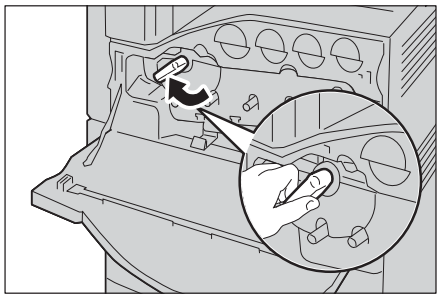


***12*** Return the cover to the original position.

**Note** • Push the cover until it clicks into place.



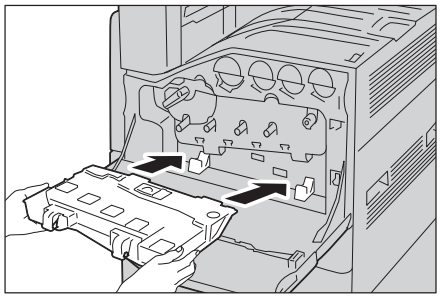
***13*** Rotate the release lever clockwise to lock the cover.



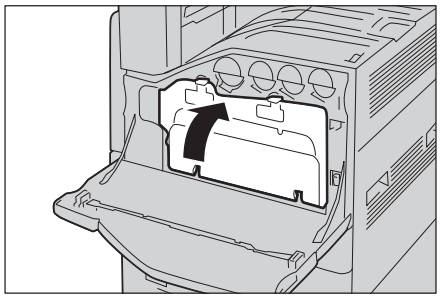
***14*** Clean the laser scanner for the drum cartridge you have replaced.

**Note** • For information on how to clean the laser scanner, refer to "Cleaning the Interior (Laser Scanners)" (P.88).

***15*** Align the dents on the bottom of the waste toner container with the tabs on the machine.



***16*** Raise the waste toner container toward the inside of the machine until it clicks into place.



***17*** Close the front cover.

**Note** • If the front cover is not completely closed, a message will appear and the machine will remain paused.



## Replacing Staple Cartridge (for Finisher-A1)

When the optional Finisher-A1 is installed and the staple cartridge needs to be replaced, a message appears on the touch screen. When this message appears, load a new staple case into the staple cartridge.

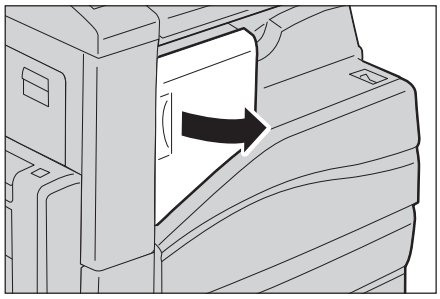
**Important** • The use of staple cartridges not recommended by Fuji Xerox may degrade quality and performance. Use only staple cartridges recommended by Fuji Xerox.

• When the machine is in the Energy Saver mode, exit the Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel before you replace the staple cartridge.

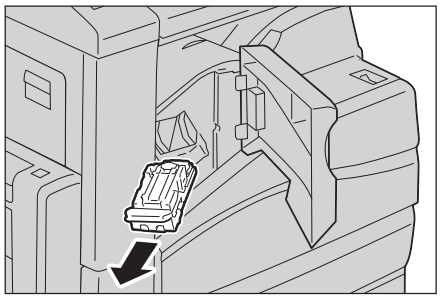
• When replacing the staple cartridge, press the <Machine Status> button and check the current status for the staple cartridge even when the control panel is lit.

**Note** • To order a staple cartridge, contact our Customer Support Center.

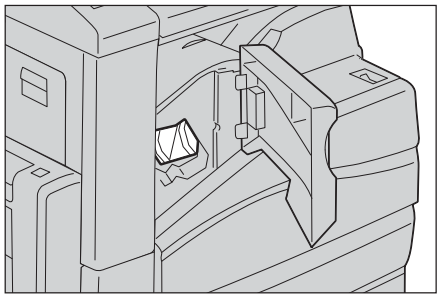
***1*** Make sure that the machine is not operating, and open the finisher front cover.



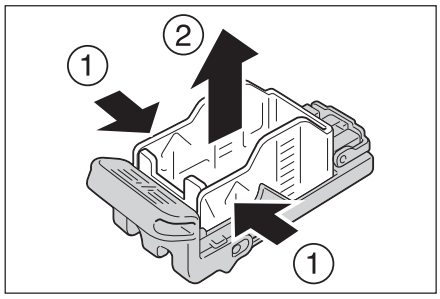
***2*** Take the staple cartridge out of the finisher.



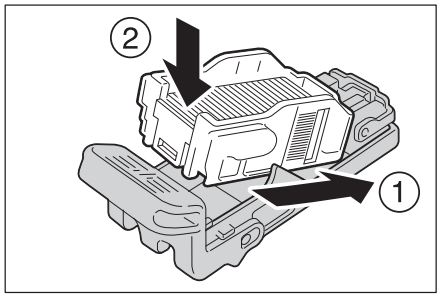
***3*** After you take out the staple cartridge, check inside of the finisher for any remaining staples.



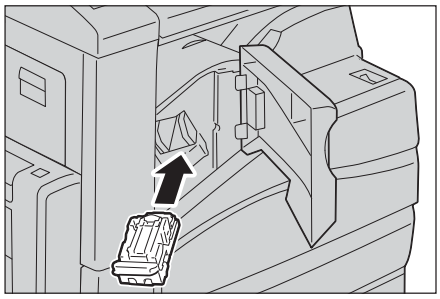
***4*** Pinch both sides of the empty staple case with your fingers (1), and remove the staple case from the cartridge (2).




***5*** Insert the front side of the new staple case into the staple cartridge (1), and then push the rear side into the cartridge (2).



**6** Push the staple cartridge into the finisher until it clicks into place.



**7** Close the finisher front cover.

**Note** • If the front cover is not completely closed, a message will appear and the machine will remain paused.



## Replacing Staple Cartridge (for Finisher-B1)

When the optional Finisher-B1 is installed and the staple cartridge needs to be replaced, a message appears on the touch screen. When this message appears, load a new staple case into the staple cartridge.

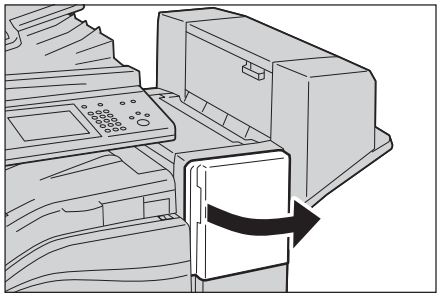
**Important** • The use of staple cartridges not recommended by Fuji Xerox may degrade quality and performance. Use only staple cartridges recommended by Fuji Xerox.

• When the machine is in the Energy Saver mode, exit the Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel before you replace the staple cartridge.

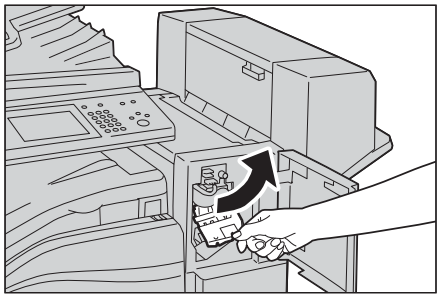
• When replacing the staple cartridge, press the <Machine Status> button and check the current status for the staple cartridge even when the control panel is lit.

**Note** • To order a staple cartridge, contact our Customer Support Center.

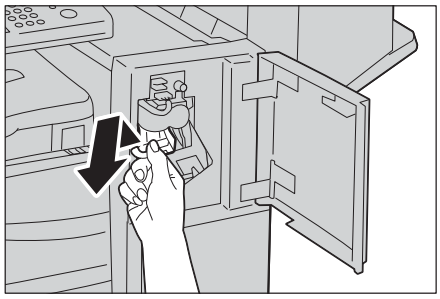
**1** Make sure that the machine is not operating, and open the finisher front cover.



**2** Grasp the handle and pull out the staple cartridge holder to the right, towards you.

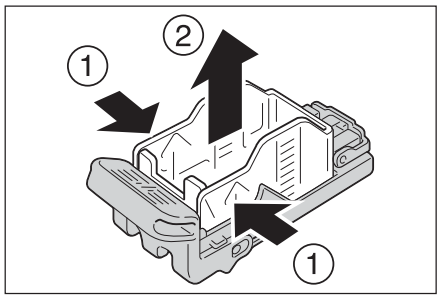


***3*** Take the staple cartridge out of the finisher.

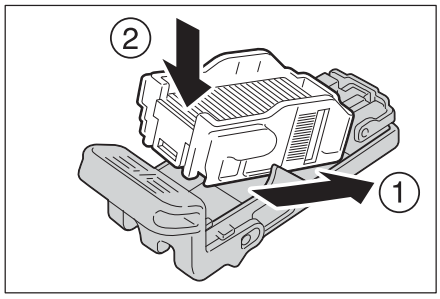


**Note** • The staple cartridge is firmly inserted. A slight force is required to pull the cartridge out of the finisher.

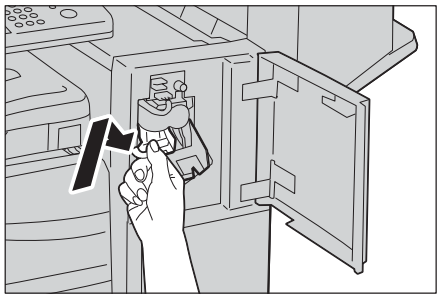
***4*** Pinch both sides of the empty staple case with your fingers (1), and remove the staple case from the cartridge (2).




***5*** Insert the front side of the new staple case into the staple cartridge (1), and then push the rear side into the cartridge (2).




***6*** Push the staple cartridge into the finisher until it clicks into place.



***7*** Close the finisher front cover.

**Note** • If the front cover is not completely closed, a message will appear and the machine will remain paused.

## Replacing Staple Cartridge (for Booklet Maker Unit for Finisher-B1)

When the optional Booklet Maker Unit for Finisher-B1 is installed and the staple cartridge needs to be replaced, a message appears on the touch screen. When this message appears, load a new staple case into the staple cartridge.

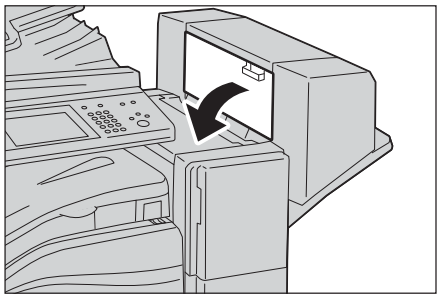
**Important** • The use of staple cartridges not recommended by Fuji Xerox may degrade quality and performance. Use only staple cartridges recommended by Fuji Xerox.

• When the machine is in the Energy Saver mode, exit the Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel before you replace the staple cartridge.

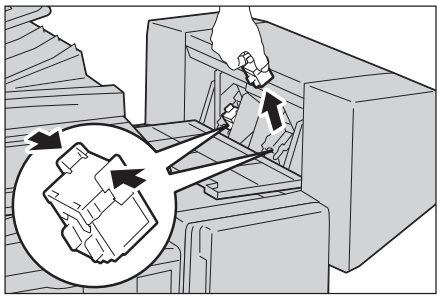
• When replacing the staple cartridge, press the <Machine Status> button and check the current status for the staple cartridge even when the control panel is lit.

**Note** • To order a staple cartridge, contact our Customer Support Center.

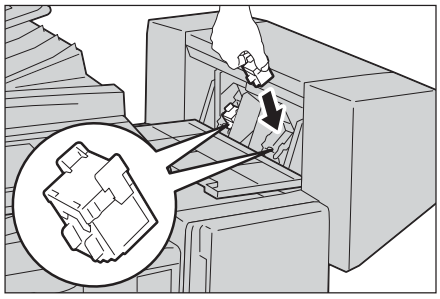
**1** Make sure that the machine is not operating, and open the finisher side cover.



**2** Hold the tabs on both sides of the staple cartridge and pull the cartridge out of the finisher.



**3** Hold the tabs on both sides of a new staple cartridge, and insert it into the original position until it clicks.



**4** Repeat steps 2 and 3 to replace the other staple cartridge.

**5** Close the finisher side cover.

**Note** • If the cover is not completely closed, a message will appear and the machine remains paused.

## Emptying Punch Waste Container (for Finisher-B1)

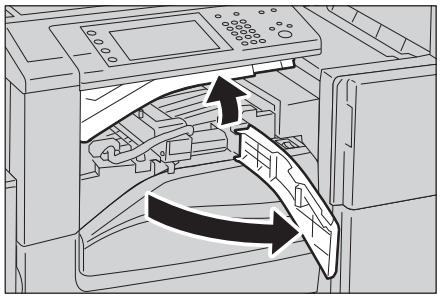
When the optional Finisher-B1 is installed and the hole punch waste container becomes full, a message appears on the touch screen. When the message appears, empty the hole punch waste container as instructed.

Make sure to discard all paper chads when emptying the hole punch waste container. Not doing so will cause the container to fill up before the message telling you to empty the container appears again, and this can cause machine malfunction.

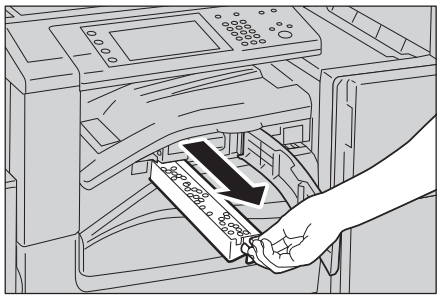
**Important** • Empty the hole punch waste container when the machine is on. If you empty the container while the machine is off, the machine does not recognize that the container has been emptied.

- When the machine is in the Energy Saver mode, exit the Energy Saver mode by pressing the <Energy Saver> button and the <Machine Status> button on the control panel before you replace the punch waste container.
- When replacing the punch waste container, press the <Machine Status> button and check the current status for the punch waste container even when the control panel is lit.

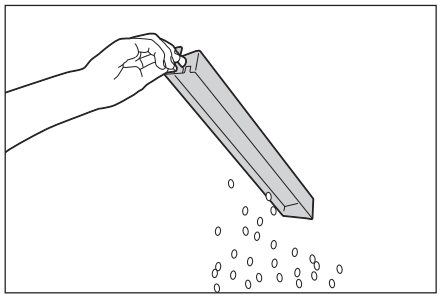
***1*** Make sure that the machine is not operating, lift the top transport cover, and then open the front transport cover of the finisher.



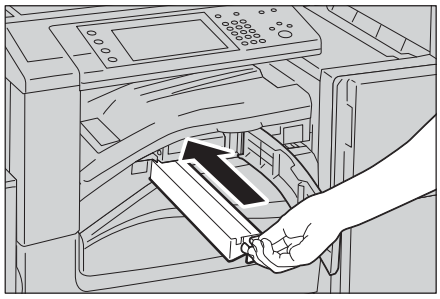
***2*** Pull out the hole punch waste container.



***3*** Empty the container.



***4*** Insert the emptied hole punch waste container into the finisher until it stops.



***5*** Close the front transport cover, and then close the top transport cover of the finisher.

**Note** • If the cover is not completely closed, a message will appear and the machine remains paused.

## Replacing Stamp

If the machine offers the Fax service and the Stamp Kit (optional) is installed, replace the stamp cartridge when stamp impressions start to fade.

**Important** • Do not touch the ink pad of the stamp cartridge as the ink may be adhered to the pad. If it comes into contact with your skin, wash immediately.

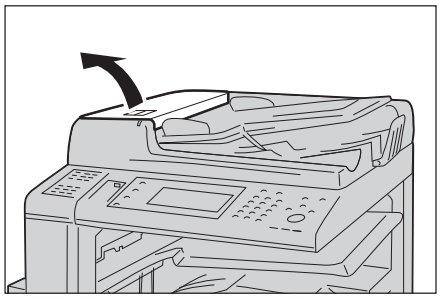
• Problems caused by using consumables not recommended by Fuji Xerox are not covered by the maintenance service contract.

• Before using consumables, carefully read instructions and precautions on their packages.

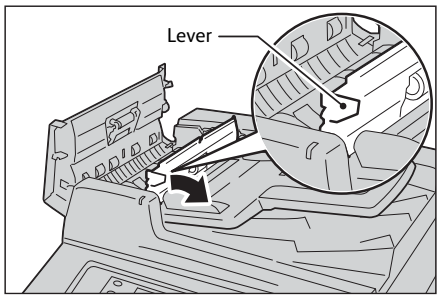
**Note** • We recommend always keeping spare consumables/periodic replacement parts in stock.

• To order consumables, contact our Customer Support Center.
(Product Name: Stamp Replacement Kit, Product Code: F451)

**1** Pull up the knob on the document feeder top cover, and open the document feeder top cover completely.

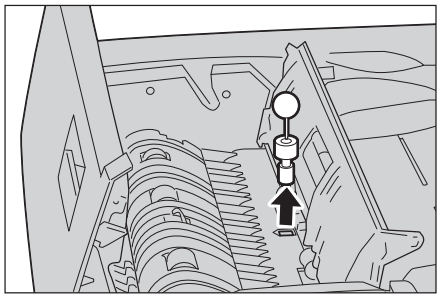


**2** Pull up the lever to open the inner cover.

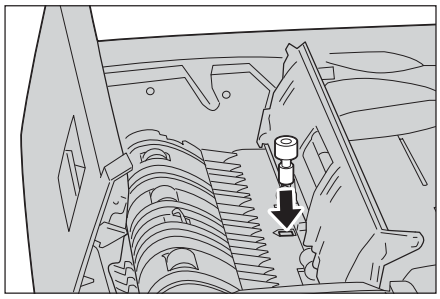



**3** Stick the supplied pin into the old stamp cartridge, and pull it straight out of the machine.

**Note**
- If only the sponge part of the stamp cartridge is removed, make sure of removing the bottom part of the cartridge.



**4** Insert the new stamp cartridge.



**5** Close the inner cover of the document feeder.

**6** Close the left cover of the document feeder until it clicks into place, and confirm that there is no space between the near or far side of the cover and the document feeder.

## Replacing Fusing Unit

When the fusing unit is near or reaches the end of its life, the following messages are displayed on the touch screen. Follow the messages.

| Message | Remaining Page Yield | Solution |
|---|---|---|
| Consumables need to be ordered.<br>Press Machine Status button and select the Supplies tab for details. | Approx. 3,500 pages | Order the fusing unit. |
| Consumables need to be replaced.<br>Press Machine Status button and select the Supplies tab for details. | - | Replace the fusing unit with a new one. |

**⚠CAUTION**

Fusing Unit Safety

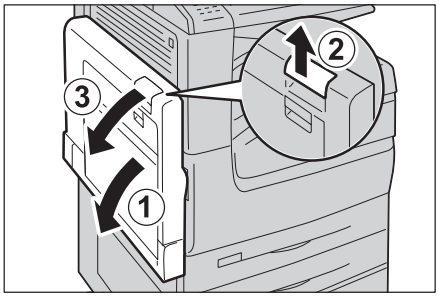
When removing the fusing unit, always switch off first and wait for 40 minutes until it cools off.

***1*** Switch off the power, and then switch off the main power.

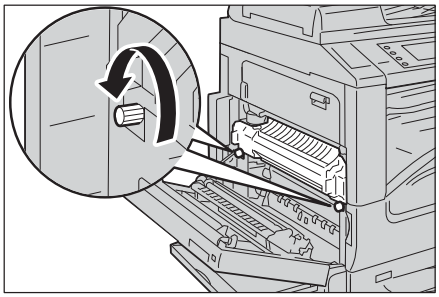
For information on how to switch off the power and the main power, refer to "2 Product Overview" > "Power Source" in the User Guide.

***2*** Wait for 40 minutes for the fusing unit to cool down.

***3*** Open Tray 5 (1), and then while lifting up the release lever (2) gently open the top left cover (3).

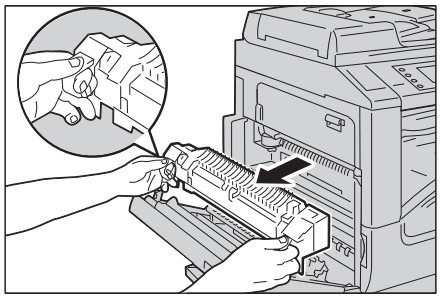



***4*** Loosen the screws on both sides of the fusing unit completely.



**5** Hold the fusing unit by the grips on both sides, and remove the fusing unit from the machine.

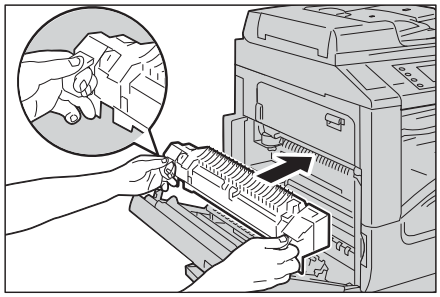
**Important** • The fusing unit weights approximately 2.5 kg. Be careful not to drop the unit.



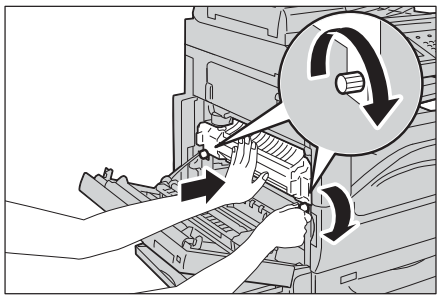
**6** Take out a new fusing unit from the box.

**7** Hold the new fusing unit by the grips on both sides, and then place the fusing unit onto the machine.

**Important** • Hold the fusing unit with both hands so that you do not drop it.



**8** While holding the fusing unit with one hand, tighten the screws on both sides with the other hand.



**9** Push the center of the top left cover and close the cover gently, and then close Tray 5.

**10** Switch on the main power, and then switch on the power.

For information on how to switch on the power and the main power, refer to "2 Product Overview" > "Power Source" in the User Guide.

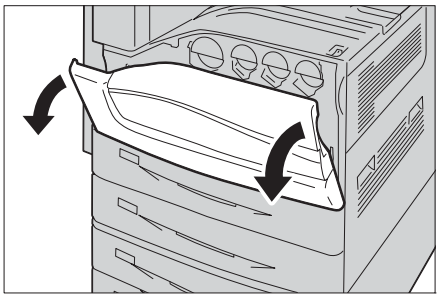


## Replacing IBT Unit

When the IBT Unit is near or reaches the end of its life, the following messages are displayed on the touch screen. Follow the messages.

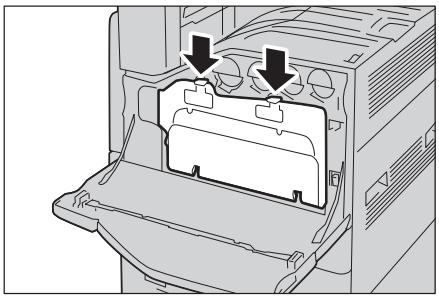
| Message | Remaining Page Yield | Solution |
|---|---|---|
| Consumables need to be ordered.<br>Press Machine Status button and select the Supplies tab for details. | Approx. 1,500 pages | Order the IBT Unit. |
| Consumables need to be replaced.<br>Press Machine Status button and select the Supplies tab for details. | - | Replace the IBT Unit with a new one. |

***1*** Make sure that the machine is not operating, and open the front cover.

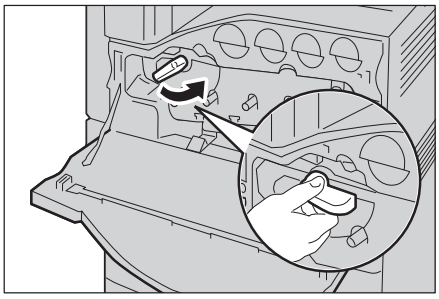


***2*** While holding down the tabs on the top of the waste toner container, lay the container down toward you and then pull out the container upward at an angle.

**Note** • After removing the waste toner container from the machine, do not turn the container upside down. Otherwise, toner may spill.

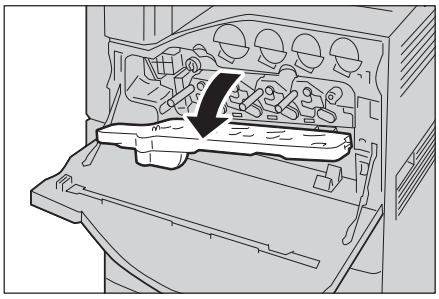


***3*** Rotate the release lever of the drum cartridge cover counterclockwise.



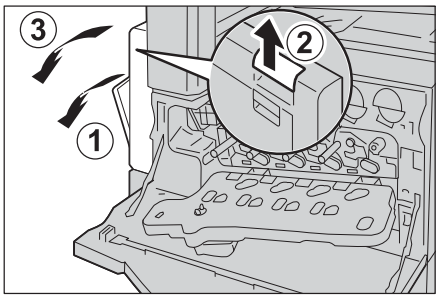
***4*** Lower the cover.

**Note** • The drum cartridge is unlocked.

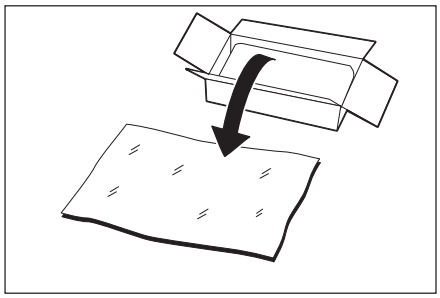


***5*** Open Tray 5 (1), and then while lifting up the release lever (2) gently open the top left cover (3).

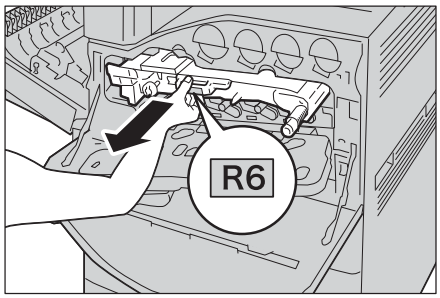
**Important** • Be sure to open the top left cover. Otherwise, the IBT Unit cannot be removed from the machine.



***6*** Take out the plastic sheet from the box of a new IBT Unit and place the sheet on the floor.

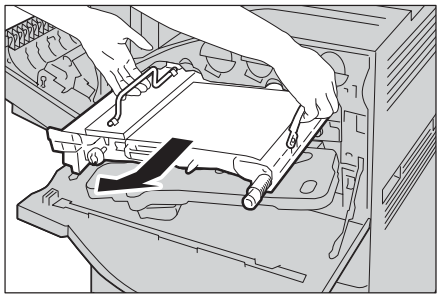


***7*** Hold the IBT Unit by its handle marked with "R6", and slide out the unit.

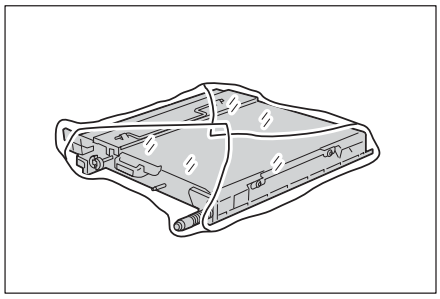



***8*** While holding the handles on both sides of the IBT Unit, remove the unit from the machine.

**Important** • Do not touch any areas of the IBT Unit other than the handles. Otherwise, your hands may get dirty with toner.

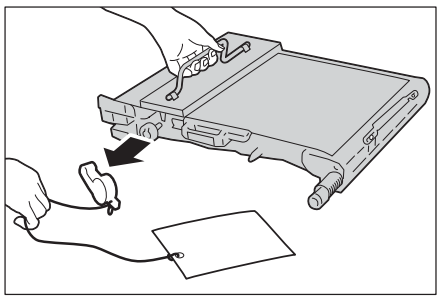


***9*** Place the used IBT Unit on the plastic sheet that you placed in step 6, and wrap the unit with the sheet as shown in the illustration.

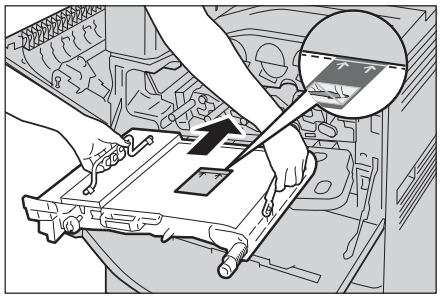


***10*** Take out a new IBT Unit from its box.

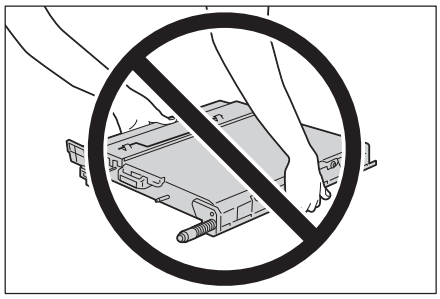
***11*** Remove the stopper from the new IBT Unit as shown in the illustration.



***12*** While holding the handles on both sides of the IBT Unit, insert the unit to the line marked with the arrows as shown in the illustration, into the slot on the machine.

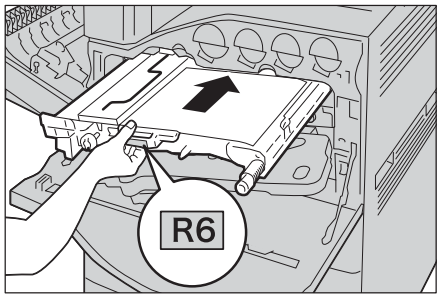


**Important** • Do not touch any areas of the IBT Unit other than the handles.



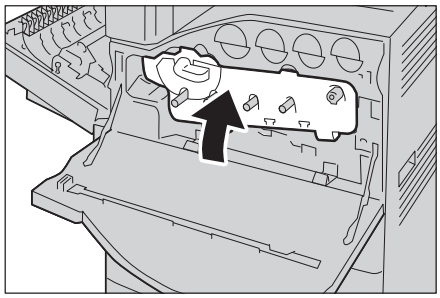
***13*** While holding the IBT Unit by its handle marked with "R6", slide the unit into the machine until it is placed into position.

**Important** • Be sure to insert the unit into the slot on the machine to the line marked with the arrows in step 12. Otherwise, the unit cannot be placed into the position.

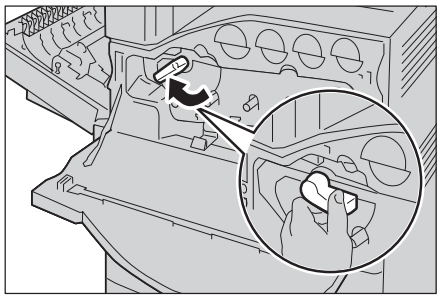



***14*** Return the cover to the original position.

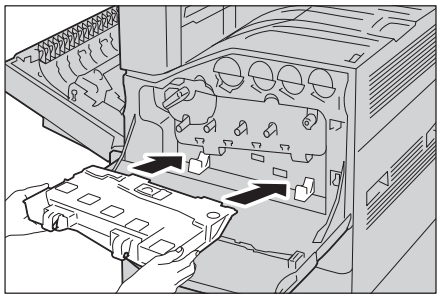
**Note** • Push the cover until it clicks into place.



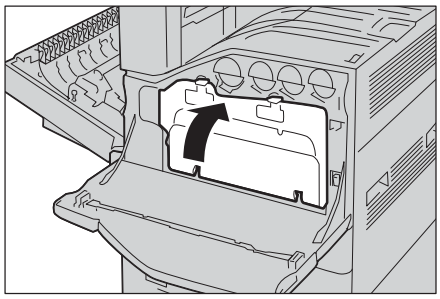
***15*** Rotate the release lever clockwise to lock the cover.



**16** Align the dents on the bottom of the waste toner container with the tabs on the machine.

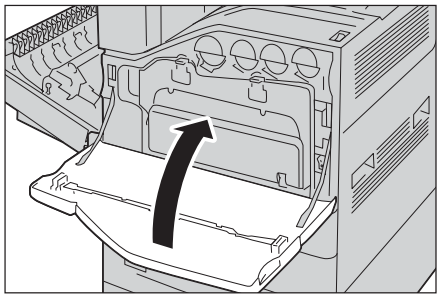


**17** Raise the waste toner container toward the inside of the machine until it clicks into place.



**18** Close the front cover.

**Note** • If the front cover is not completely closed, a message will appear and the machine will remain paused.



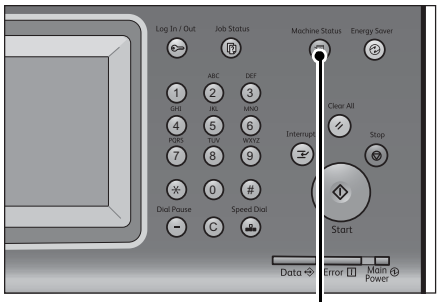
**19** Push the center of the top left cover and close the cover gently, and then close Tray 5.



## Resetting the Counter for the IBT Unit

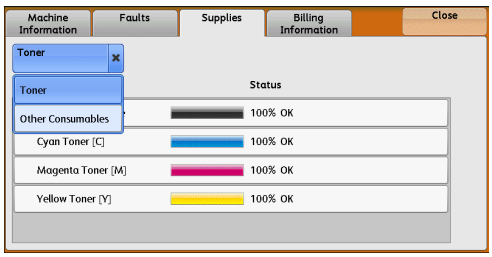
After you have finished replacing the IBT Unit, reset its counter on the touch screen.

**1** Press the <Machine Status> button.

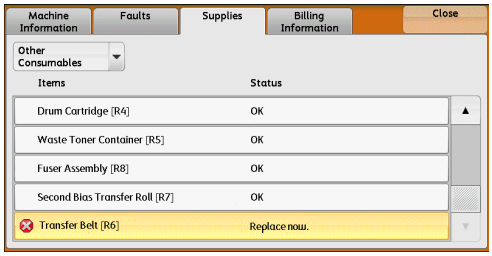



<Machine Status> button

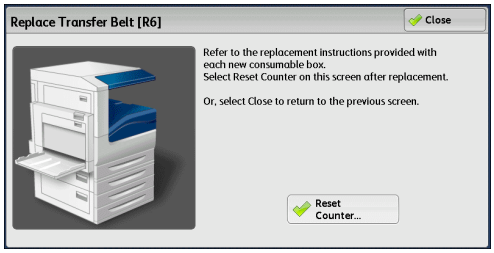
**2** Select the [Supplies] tab and select [Other Consumables] from the drop-down list box.



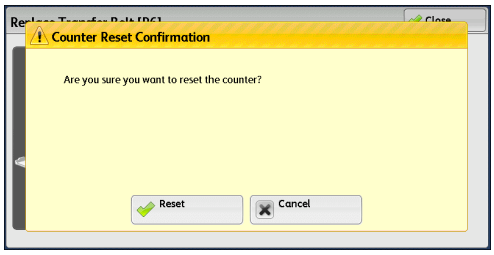
**3** Select [Transfer Belt [R6]].




**4** Select [Reset Counter].




**5** Select [Reset].



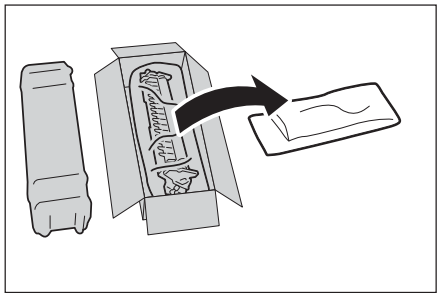

**6** Select [Close] repeatedly until the [Services Home] screen is displayed.

## Replacing 2nd BTR Unit

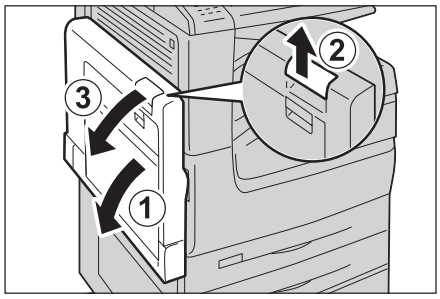
When the 2nd BTR Unit is near or reaches the end of its life, the following messages are displayed on the touch screen. Follow the messages.

| Message | Remaining Page Yield | Solution |
|---|---|---|
| Consumables need to be ordered.<br>Press Machine Status button and select the Supplies tab for details. | Approx. 1,500 pages | Order the 2nd BTR Unit. |
| Consumables need to be replaced.<br>Press Machine Status button and select the Supplies tab for details. | - | Replace the 2nd BTR Unit with a new one. |

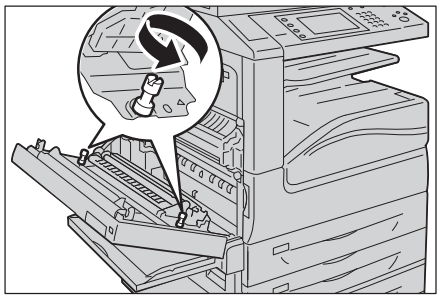
**1** Take out the plastic bag from the box of a new 2nd BTR Unit.



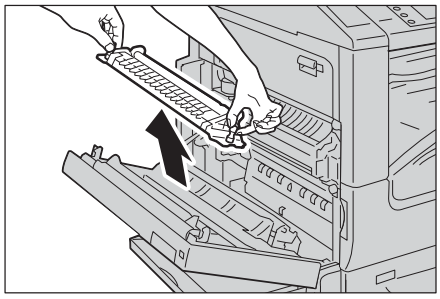
**2** Open Tray 5 (1), and then while lifting up the release lever (2) gently open the top left cover (3).



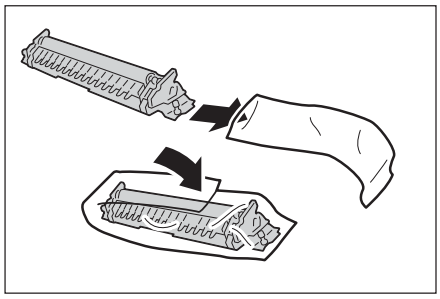

**3** Loosen the screws on both sides of the 2nd BTR Unit completely.



**4** Lift the 2nd BTR Unit to remove from the machine.

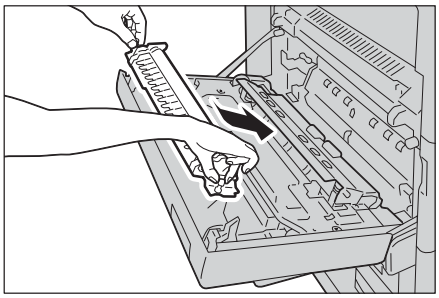


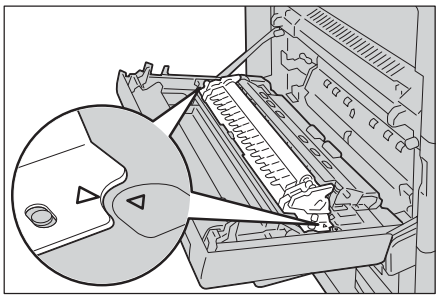
**5** Insert the used 2nd BTR Unit into the plastic bag taken out from the box in step 1.



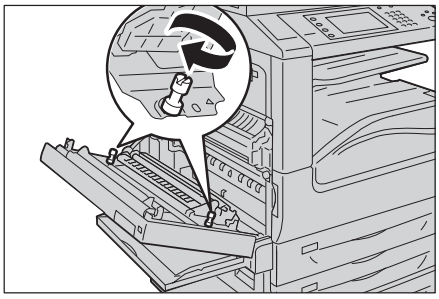
**6** Take a new 2nd BTR Unit from the box.

***7*** Hold the 2nd BTR Unit by both ends, and place the unit on the inside of the top left cover while aligning the arrows and then aligning the projections on the top left cover with the holes on the unit.



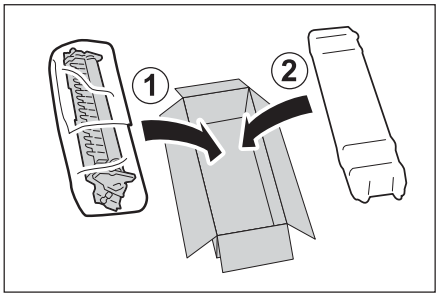


***8*** Tighten the screws on both sides of the 2nd BTR Unit.



***9*** Push the center of the top left cover and close the cover gently, and then close Tray 5.

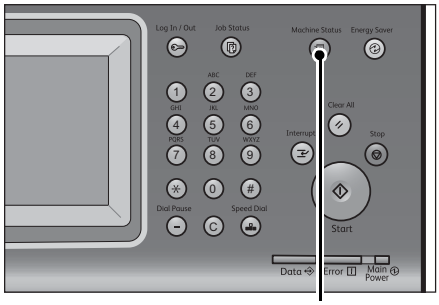
***10*** Place the used 2nd BTR Unit (1) and then the packaging material (2) into the box.



## Resetting the Counter for the 2nd BTR Unit

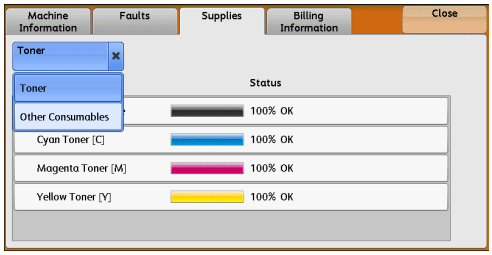
After you have finished replacing the 2nd BTR Unit, reset its counter on the touch screen.

**1** Press the <Machine Status> button.

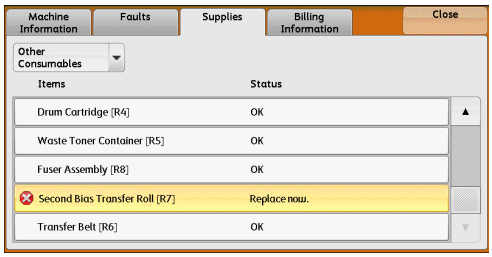



<Machine Status> button

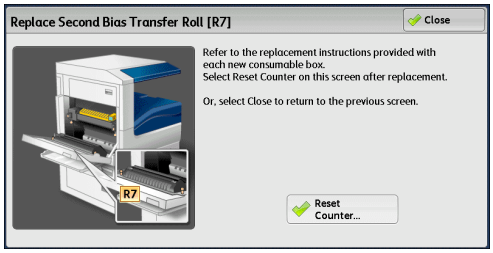
**2** Select the [Supplies] tab and select [Other Consumables] from the drop-down list box.




**3** Select [Second Bias Transfer Roll [R7]].




**4** Select [Reset Counter].




**5** Select [Reset].

**6** Select [Close] repeatedly until the [Services Home] screen is displayed.

# Cleaning the Machine

This section describes how to clean the machine such as the machine exterior, document cover, document feeder, and document glass.

**⚠WARNING**

When cleaning this product, use the designated cleaning materials exclusive to it. Other cleaning materials may result in poor performance of the product. Never use aerosol cleaners, or it may catch fire and cause explosion.

**⚠CAUTION**

When cleaning this product, always switch off the power and then the main power inside the body front cover, and unplug the product. Access to a live machine interior may cause electric shock.



## Cleaning the Exterior

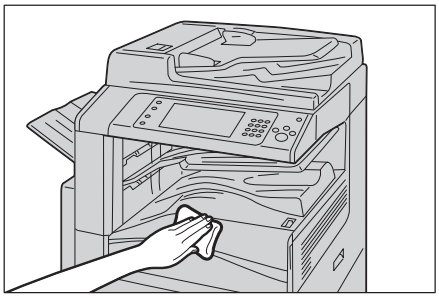
The following describes how to clean the exterior of the machine.

**Important**
- Do not use benzene, paint thinner, or other volatile liquids or spray insect repellent on the machine as they might discolor, deform, or crack covers.
- Cleaning the machine with an excessive amount of water may cause the machine to malfunction or damage documents during copying.

*1* Wipe the exterior with a firmly wrung soft cloth moistened with water.

**Important**
- Do not use cleaning agents other than water or neutral detergent.

**Note**
- If you cannot remove the dirt easily, gently wipe the machine with a soft cloth moistened with a small amount of neutral detergent.



*2* Wipe off any excess water with a soft cloth.

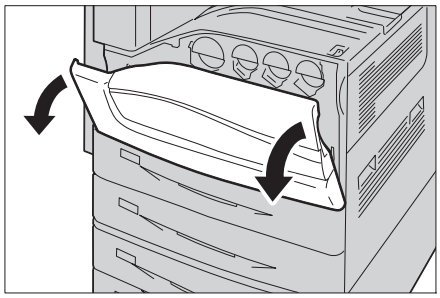
## Cleaning the Interior (Laser Scanners)

The following describes how to clean the interior (laser scanners or Raster Output Scanner (ROS)) of the machine.

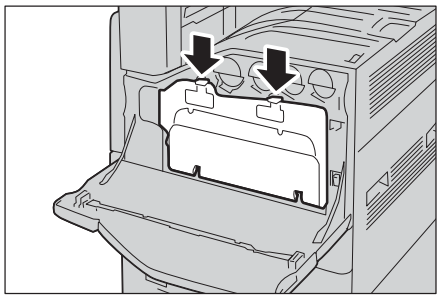
Normally, clean the laser scanners when you replace the waste toner container. However, if you have image quality problems such as white or colored stripes appearing on copied or printed outputs, clean the laser scanners.

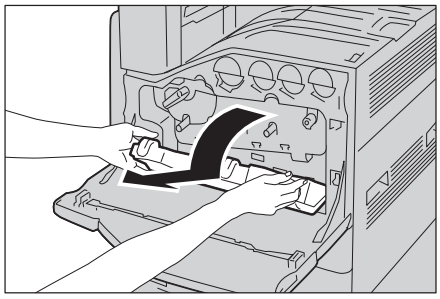
**Important**
- Clean the laser scanners periodically when you replace the waste toner container.

**1** Make sure that the machine is not operating, and open the front cover.

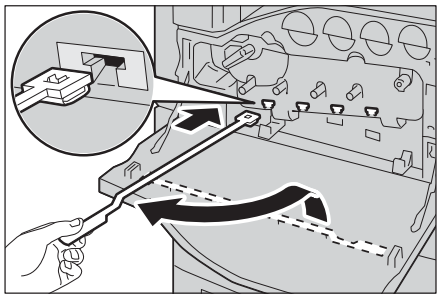


**2** While holding down the tabs on the top of the waste toner container, lay the container down toward you and then pull it out from the machine.

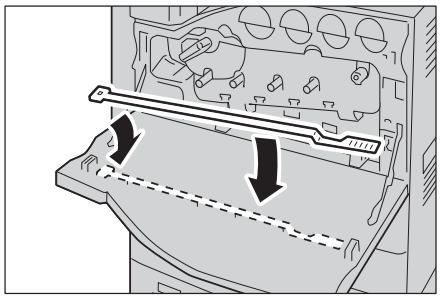




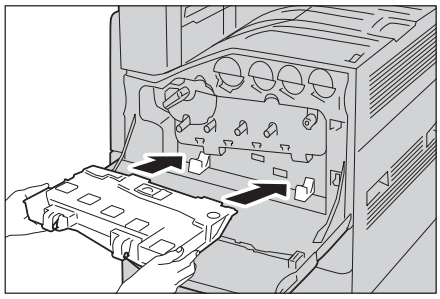
**3** Remove the cleaning bar from the back side of the front cover, and then clean each of the laser scanners once with the bar.
Insert the cleaning bar into each slot until it stops, and then slowly slide the bar back out.



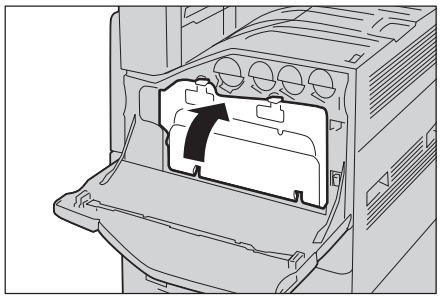
**4** Return the cleaning bar to the back side of the front cover.



***5*** Align the dents on the bottom of the waste toner container with the tabs on the machine.



***6*** Raise the waste toner container toward the inside of the machine until it clicks into place.





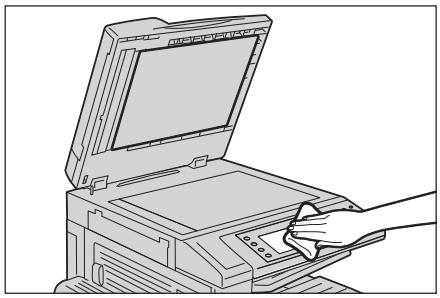
***7*** Close the front cover.

**Note** • If the front cover is not completely closed, a message will appear and the machine will remain paused.

## Cleaning the Touch Screen

The following describes how to clean the touch screen.

***1*** Wipe only the LCD area with a soft cloth moistened with neutral detergent or alcohol.



**Important** • When you moisten the cloth with neutral detergent or alcohol, do not allow the excess liquid to drip down from the cloth. If the cloth is moistened with the excess liquid, wring the cloth gently before wiping the LCD area.

- Do not use any volatile liquids on the machine such as benzene and paint thinner, or insect repellent as these may discolor, deform, or crack the machine exterior.
- Cleaning the touch screen with an excessive force may cause the screen to be damaged. Wipe the screen gently.

## Cleaning the Document Cover and Document Glass

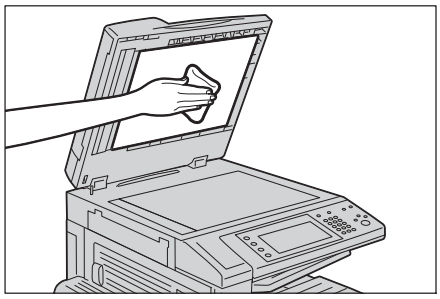
If the document cover and document glass become soiled, smudges may appear on copies, faxes, or scanned documents and the machine may not properly detect document sizes.

To ensure clean copies at all times, clean the document cover and the document glass about once a month.

**Important** • Do not use benzene, paint thinner, or other organic solvents. Doing so might damage paint or coating on plastic parts.

- Cleaning the machine with an excessive amount of water may cause the machine to malfunction or damage documents during copying, faxing, or scanning.

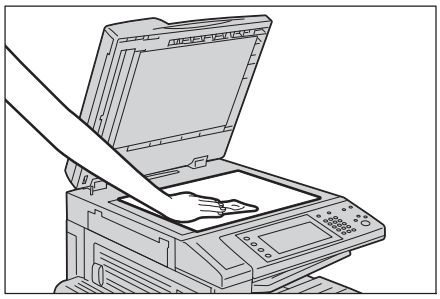
**1** Wipe the document cover with a soft cloth moistened with water to remove any dirt, and then wipe it with a soft, dry cloth.



**Important** • Do not use cleaning agents other than water or neutral detergent.

**Note** • If you cannot remove dirt easily, gently wipe the document cover with a soft cloth moistened with a small amount of neutral detergent.

**2** Wipe the document glass with a soft cloth moistened with water to remove any dirt, and then wipe it with a soft, dry cloth.



**Important** • Do not use cleaning agents other than water or neutral detergent.

**Note** • If you cannot remove dirt easily, gently wipe the document glass with a soft cloth moistened with a small amount of neutral detergent.



## Cleaning the White Chute and Constant Velocity Transport Glass

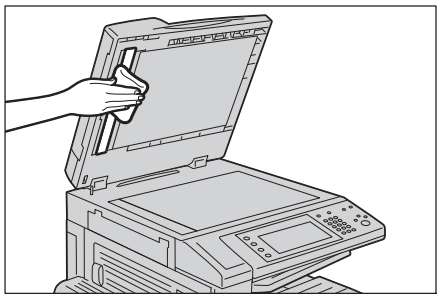
If the White Chute or constant velocity transport glass become soiled, smudges may appear on copies, faxes, or scanned documents and the machine may not properly detect document sizes.

To ensure clean copies at all times, clean the White Chute and constant velocity transport glass about once a month.

**Important** • Do not use benzene, paint thinner, or other organic solvents. Doing so might damage paint or coating on plastic parts.

• Cleaning the machine with an excessive amount of water may cause the machine to malfunction or damage documents during copying, faxing, or scanning.

**1** Wipe the White Chute with a soft cloth moistened with water to remove any dirt, and then wipe it with a soft, dry cloth.

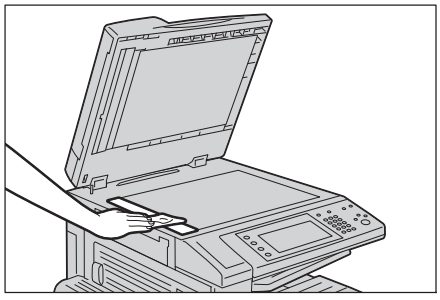


**Important** • Do not press the film with an excessive force as it can be easily damaged.

• Do not use cleaning agents other than water or neutral detergent.

**Note** • If you cannot remove dirt easily, gently wipe the film with a soft cloth moistened with a small amount of neutral detergent.

**2** Wipe the constant velocity transport glass with a soft cloth moistened with water to remove any dirt, and then wipe it with a soft dry cloth.



**Important** • Do not use cleaning agents other than water or neutral detergent.

**Note** • If you cannot remove dirt easily, gently wipe the glass with a soft cloth moistened with a small amount of neutral detergent.

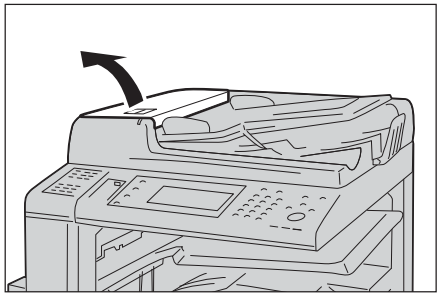
## Cleaning the Document Feeder Rollers

If the document feeder rollers become soiled, smudges may appear on copies, faxes, or scanned documents and paper jams may occur.

To ensure clean copies at all times, clean the document feeder roller about once a month.

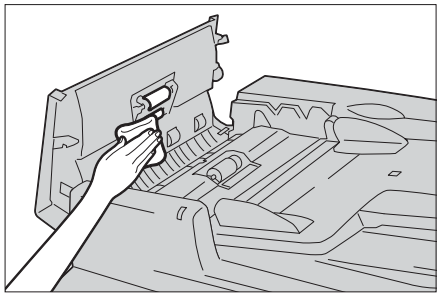
**Important**
- Do not use benzene, paint thinner, or other organic solvents. Doing so might damage paint or coating on plastic parts.
- Cleaning the machine with an excessive amount of water may cause the machine to malfunction or damage documents during copying, faxing, scanning, or printing.

***1*** Pull up the knob on the document feeder top cover, and open the document feeder top cover completely.



**Note**
- When you fully open the cover, it enters a fixed position. Open the cover gently.

***2*** While turning the rollers, wipe them with a soft cloth moistened with water.



**Important**
- Do not use cleaning agents other than water or neutral detergent.
- Use a cloth firmly wrung to prevent water drops from falling into the machine. If water gets into the machine, it may cause the machine to malfunction.

**Note**
- If you cannot remove dirt easily, gently wipe the rollers with a soft cloth moistened with a small amount of neutral detergent.

***3*** Close the document feeder left cover until it clicks into place, and confirm that there is no space between the near or far side of the cover and the document feeder.

# Executing Calibration

The machine can automatically calibrate colors when the reproducibility of density or color in copies and prints deteriorates. The machine can adjust the gradation for each screen type.

The following three types of screen are available.

- Copy Job

  Calibrates the screen for copying.

- Print Job 1

  For PCL print drivers

  - Calibrates the screen used for the functions ([Image Quality], [Image Adjustment Mode], and [Image Types]) set in the [Color Options] tab.
  - Calibrates the screen when [Auto Screening], [Fineness], or [Standard] is selected for [Screen] in the [Advanced] tab.

  For PostScript print drivers

  - Calibrates the screen when [High Quality] for [Image Quality] and [Auto Screening], [Fineness], or [Standard] for [Screen] in the [Color Options] tab is selected.
  - Calibrates the screen when [High Speed] for [Image Quality] and [Fineness] or [Standard] for [Screen] in the [Color Options] tab is selected.

- Print Job 2

  For PCL print drivers

  - Calibrates the screen when [Gradation] is selected for [Screen] in the [Advanced] tab.
  - Calibrates the screen when [Print Page Mode] is enabled in the [Advanced] tab.

  For PostScript print drivers

  - Calibrates the screen when [High Speed] of [Image Quality] and [Auto Screening] or [Fineness] of [Screen] in the [Color Options] tab is selected.

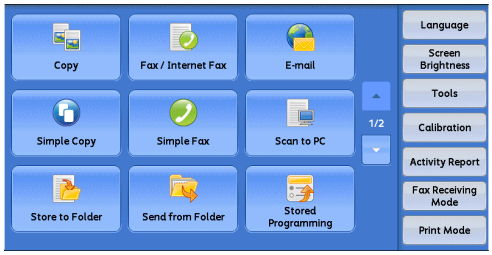
**Note**

- We recommend executing auto calibration for all three screen types. When the adjustment for one screen type is complete, specify the next screen type and repeat the procedure.
- If color is not calibrated despite the periodic execution of auto calibration, contact our Customer Support Center.
- Confirm the settings of the following items under [Tools] > [System Settings] > [Copy Service Settings] > [Copy Defaults] in the System Administration mode before executing auto calibration:
  - Lighten/Darken: Normal
  - Contrast: Normal
  - Sharpness: Normal
  - Saturation: Normal
  - Color Balance: 0, 0, 0
  - Color Shift: Normal
- After finishing the auto calibration, change the settings of [Copy Defaults] if necessary. For information on [Copy Defaults], refer to "Copy Defaults" (P.176).
- During auto calibration, the machine cannot receive print jobs and faxes.

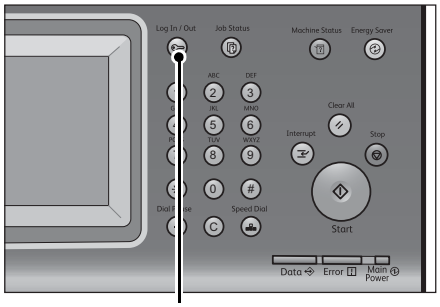
The following describes how to perform calibration.

***1*** Select [Calibration] on the [Services Home] screen.

If [Calibration] is not displayed, follow the procedure below.



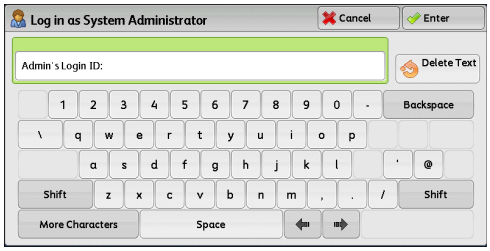

1) Press the <Log In/Out> button.




<Log In/Out> button

2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

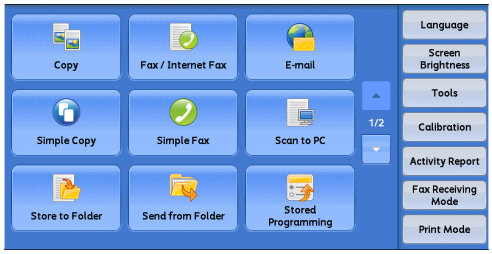
When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].



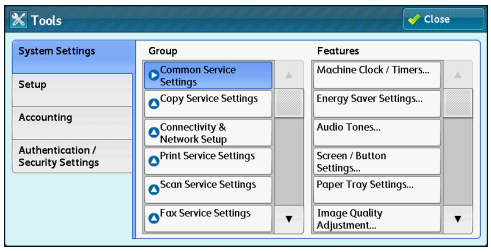

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

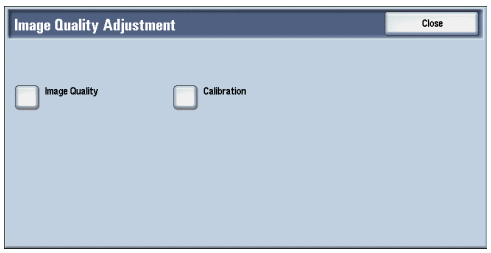
**Note**
- When the [Service Home] screen is not displayed on the touch screen, press the <Services Home> button.



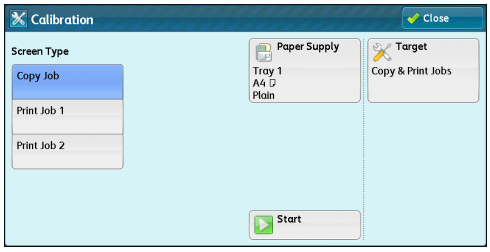

4) Select [System Settings] > [Common Service Settings] > [Image Quality Adjustment].




5) Select [Calibration].



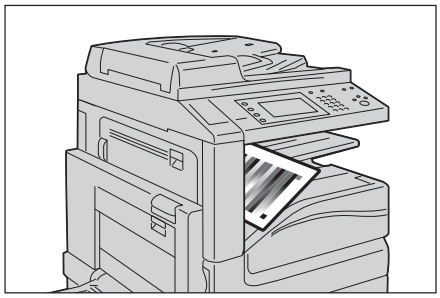
**2** Set [Screen Type] and [Paper Supply].




**Note**
- The following describes calibration procedures using Copy Job, as an example.
- For Paper Supply, select the paper tray on which A4, A3, 8.5 x 11", or 11 x 17" white paper is loaded.
- Make sure that [Copy & Print Jobs] is selected for [Target].
- If [Copy & Print Jobs] is not selected, calibration is not valid for the mode not listed in [Target].

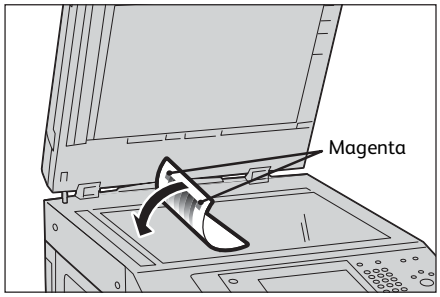
**3** Select [Start].

**Note**
- The message "Outputting the Calibration Chart... - Copy Job" appears and the document for calibration (Calibration Chart) is printed.

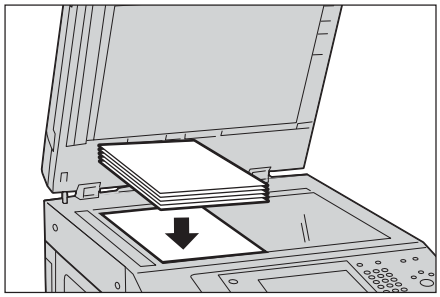


**4** Align the magenta patch (squares printed at the top and bottom of the Calibration Chart) of the printed Calibration Chart against the left side of the document glass, and load the chart facing down on the document glass.

**Note**
- Place the Calibration Chart on the document glass.




**5** Place at least five sheets of white paper on the Calibration Chart to cover the Chart and close the document cover.



**6** Select [Start].

The message “Calibration in progress. - Copy Job” appears and the machine automatically calibrates the colors. It takes about 10 seconds to complete calibration.

A screen showing the result appears.

**7** Select [Confirm].

**8** To continue calibration for other screen types, repeat steps 2 to 7.

**9** Select [Close] repeatedly until the [Tools] screen is displayed.

***10*** Select [Close].

***11*** Copy or print to confirm the image quality.

**Note** • During auto calibration, the machine cannot receive print job and faxes.

***12*** Select [Close].

# Printing a Report/List

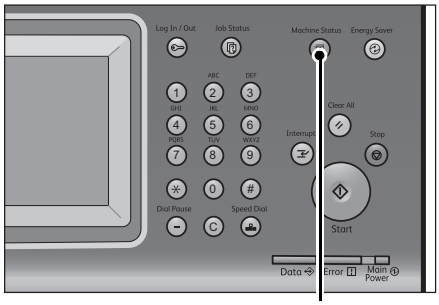
You can print a report/list to check the settings and communication status.

This section describes how to print a report/ list.

**Note** • When the <Data> indicator is not lit, you cannot print the Stored Documents List.

For information on the types of report/list, refer to "Print Reports" (P.105).

***1*** Press the <Machine Status> button.

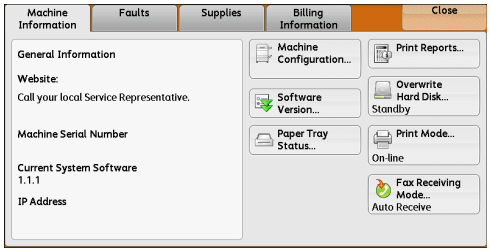



<Machine Status> button

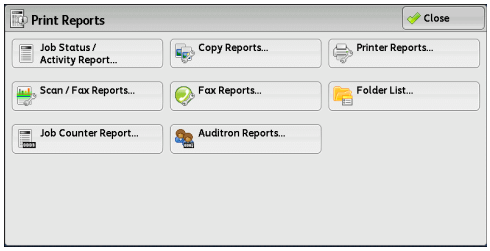
***2*** Select [Print Reports].

**Note** • If [Print Reports Button] under [Reports] is set to [Disabled], the [Print Reports] button appears only when the [Tools] button is displayed on the [Services Home] screen. For more information on Reports, refer to "Reports" (P.157).

• If you want to print [Billing Data List] or [Auditron Report (Fax Jobs)], insert a card to the machine before instructing print.




***3*** Select the service that you want a report or list for.




***4*** Select a report or list to print, and then press the <Start> button.

**Note** • The reports or lists displayed on the screen vary depending on the machine configuration.

# Deleting a Private Charge Print Job with an Invalid User ID

When the Private Charge Print feature is used, all the print jobs with a User ID, regardless of its validity, are stored with the Private Charge Print feature. The system administrator can set the expiration date and can set up the machine to delete the expired jobs automatically, or manually delete them.

This section describes how to delete documents with an invalid User ID stored with the Private Charge Print feature.

For more information on the Private Charge Print feature, refer to "10 Job Status" > "Printing and Deleting Stored Jobs", and "11 Computer Operations" > "Print" in the User Guide.

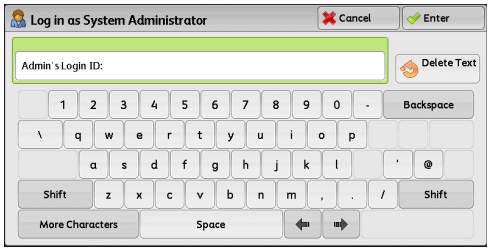
For more information on how to set the period of time save jobs, refer to "Stored File Settings" (P.246).



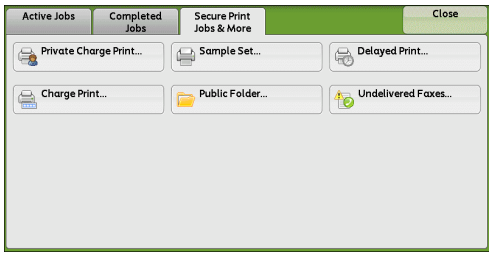
1. Press the <Log In/Out> button.
2. Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

   **Note**
   - The default user ID is "11111".
   - The default passcode is "x-admin".




3. Press the <Job Status> button.
4. Select the [Secure Print Jobs & More] tab.




5. Select [Private Charge Print].
6. Select the User ID to delete, and then select [Job List].
7. Select the job to delete, and then select [Delete].

# Setting Restore Tool

Setting Restore Tool backs up the settings data of the machine to a network-connected computer to prevent the loss of data resulting from the malfunction of the machine's hard disk.

The feature is designed to restore data to the machine after the hard disk is replaced.

For more information on Setting Restore Tool, contact our Customer Support Center.

**Note** • You can back up the setting data of the machine when the hard disk and the Ethernet interface are installed on the machine.

The following data can be backed up on the computer:

- Address Book
- Folder (except for document files)
- User account list
- Job Flow
- Stored Programming
- Job log
- Error log
- Auditron log
- Other information such as user setting data

Users cannot replace the hard disk by themselves. When replacing the hard disk, contact our Customer Support Center.

# 4 Machine Status

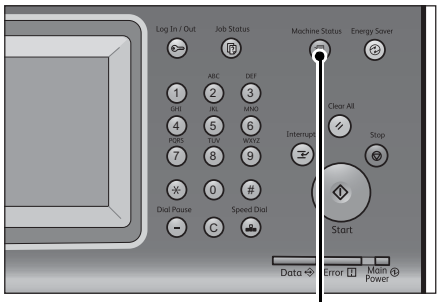
This chapter describes the features for checking the machine status.


- Overview of Machine Status ..... 102
- Machine Information ..... 103
- Faults ..... 119
- Supplies ..... 120
- Billing Information ..... 121

# Overview of Machine Status

You can check machine status and the number of printed pages on the screen. You can also print various reports/lists to check the job history, settings and registered information.

*1* Press the <Machine Status> button.




<Machine Status> button

You can check the following information on the [Machine Status] screen:

### ■ Machine Information

You can check the machine configuration, paper tray status, and hard disk overwriting status. You can also change or set print modes, and check the number of pages printed per meter or per user. You also can print various reports/lists to check the job history, settings and registered information.

For more information, refer to "Machine Information" (P.103).

### ■ Faults

You can check the information on errors that occurred on the machine.

For more information, refer to "Faults" (P.119).

### ■ Supplies

You can check the status of consumables.

For more information, refer to "Supplies" (P.120).

### ■ Billing Information

You can check the number of pages printed by meter.

For more information, refer to "Billing Information" (P.121).

# Machine Information

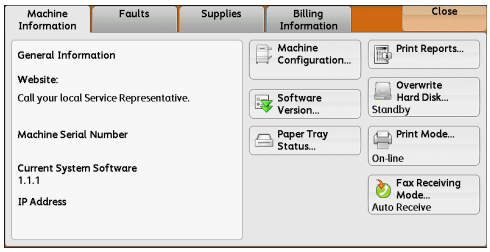
On the [Machine Information] screen, you can check the machine configuration and paper tray status, print various reports/lists, and change and set print mode settings.

The following shows the reference section for each item.

General Information ..... 103
Paper Tray Status ..... 105
Print Reports ..... 105
Automatically Printed Reports/Lists ..... 114
Overwrite Hard Disk ..... 115
Print Mode ..... 115
Fax Receiving Mode ..... 118

1 Press the <Machine Status> button.

2 On the [Machine Information] screen displayed, you can check the machine status.




## General Information

On the [General Information] screen, you can check the serial number of the machine, machine configuration, and software version.

1 Check the general information.

### ■ Website

Tells you whom to contact when making inquiries about maintenance and operation.

### ■ Machine Serial Number

Indicates the serial number of the machine.

### ■ Current System Software

Indicates the current system software.

### ■ IP Address

Indicates the IP address of the machine.

### ■ Machine Configuration

Displays the [Machine Configuration] screen.

For more information, refer to "[Machine Configuration] Screen" (P.104).

### ■ Software Version

Displays the [Software Version] screen.

For more information, refer to "[Software Version] Screen" (P.104).

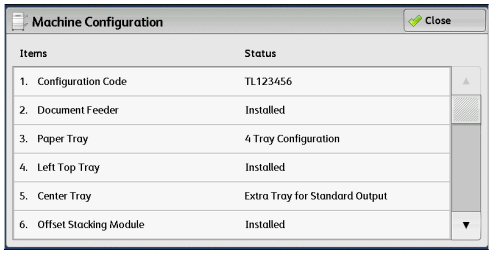
## [Machine Configuration] Screen

You can check the machine configuration.

1 Select [Machine Configuration].

2 Check the machine configuration on the screen displayed.

**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.




On the [Machine Configuration] screen, you can check the following items:

- Configuration Code
- Document Feeder
- Stamp
- Paper Tray
- Left Top Tray
- Center Tray
- Offset Stacking Module
- Output Device
- Booklet Maker
- Duplex Module
- Hard Disk
- Page Memory Size
- System Memory Size
- PCL6/5e
- KS
- KSSM
- KS5895
- PostScript 3
- HP-GL/2
- ESC/P
- TIFF/JPEG
- PDF
- XPS*
- DocuWorks
- USB
- Fax Kit 2
- Fax Main Board
- Fax Extended Board 1
- Fax Extended Board 2

* : XPS stands for XML Paper Specification.

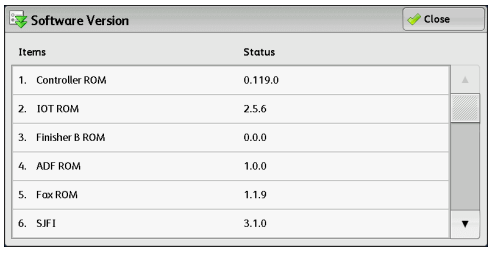
## [Software Version] Screen

You can check the software version.

1 Select [Software Version].

2 Check the software versions.

**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.




On the [Software Version] screen, you can check the following items:

- Controller ROM
- IOT ROM
- Finisher A ROM
- Finisher B ROM
- ADF ROM
- Fax ROM
- SJFI
- SSMI

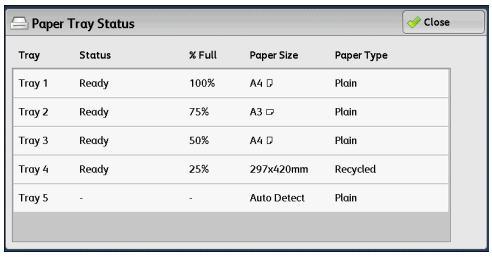
## Paper Tray Status

You can check the paper trays set on the machine. On the screen, you can check the following items:

- Status
- % Full (Amount of paper remaining)
- Paper Size
- Paper Type

1 Select [Paper Tray Status].

2 Check the status of the paper trays.






## Print Reports

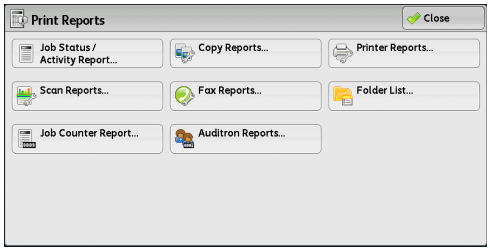
The following describes how to print a report and a list.

**Note** • The items displayed vary depending on the optional features installed.

1 Select [Print Reports].

2 Select the type of a report or a list to print.

**Note** • The screen as shown on the right appears when the [Tools] button is displayed on the [Services Home] screen.



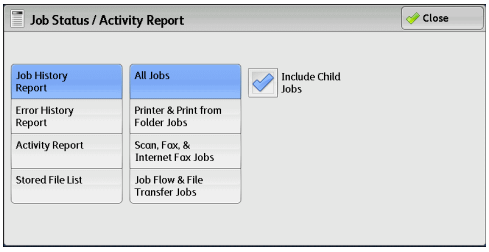

### Job Status/Activity Report

1 Select [Job Status/Activity Report].

**Note** • To display the [Job Status/Activity Report] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Job Status/Activity Report].

2 Select a report or a list to print.

3 Press the <Start> button.



### ■ Job History Report

You can check the status or result of each job. Up to 200 latest jobs can be printed. Select a report to print from [All Jobs], [Printer & Print from Folder Jobs], [Scan, Fax, & Internet Fax Jobs], [File Transfer Jobs], or [Job Flow & File Transfer Jobs].

Selecting [Include Child Jobs] check box prints each related job on each line. Deselecting this check box prints the multiple related jobs (such as job flow jobs) on one line.

You can also set up the machine to automatically print a [Job History Report] every 50 jobs.

For information on the auto print of a job history report, refer to "Reports" (P.157). When you set the machine to print a job history report automatically, the machine prints the results of all jobs.

### ■ Error History Report

You can print information on errors occurred in the machine. The latest 50 errors are printed.

### ■ Activity Report

You can check whether transmissions completed successfully or not. The remote terminal name and the result and status are recorded by sorting into incoming or outgoing fax.

The following information is not included in the Activity Report.

- Redialed transmissions and pollings.
- Deleted documents that were waiting to be transmitted.
- When the power is shut off, or when a system error occurs during an activity.

You can also set up the machine to automatically print the [Activity Report] every 100 activities.

For information on the settings, refer to "Reports" (P.157).

For more information about the Activity Report, refer to "Activity Report" (P.659).

### ■ Stored File List

You can print a list of uncompleted jobs (uncompleted transmissions/receptions or those stored for polling) stored in folders.

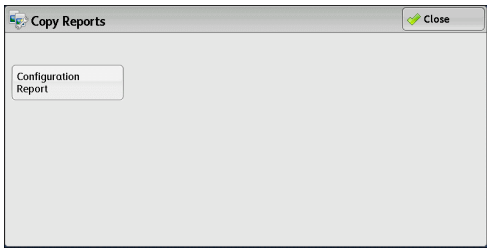
## Copy Reports

1 Select [Copy Reports].

**Note** • To display the [Copy Reports] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Copy Reports].

2 Select [Configuration Report].

3 Press the <Start> button.




### ■ Configuration Report

You can check the hardware configuration, network information, and print and copy settings of the machine.

**Note** • The contents of [Configuration Report] are identical whether it is printed from [Copy Reports], [Printer Reports], [Scan Reports], or [Fax Reports].

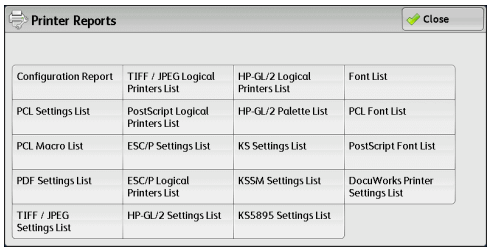
## Printer Reports

1 Select [Printer Reports].

**Note** • To display the [Printer Reports] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Printer Reports].

2 Select a list to print.

**Note** • The items displayed vary depending on the options installed.




3 Press the <Start> button.

You can print the following items when printer related options are installed.

When Adobe PostScript 3 Kit (optional) is installed:

- PostScript Logical Printers List
- PostScript Font List

### ■ Configuration Report

You can check the hardware configuration, network information, and print and copy settings of the machine with the report.

**Note** • The contents of [Configuration Report] are identical whether it is printed from [Copy Reports], [Printer Reports], [Scan Reports], or [Fax Reports].

### ■ PCL Settings List

Prints the settings for the PCL printer.

### ■ PCL Macro List

Prints the list of forms registered for PCL.

### ■ PDF Settings List

Prints the settings configured in the PDF printer mode.

### ■ TIFF/JPEG Settings List

Prints the settings configured in the TIFF and JPEG printer mode.

### ■ TIFF/JPEG Logical Printers List

Prints the list of logical printers created in the TIFF and JPEG printer mode.

You can configure the setting for TIFF and JPEG logical printers using CentreWare Internet Services. For more information on the settings, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

### ■ PostScript Logical Printers List

Prints the list of logical printers created in PostScript.

You can configure the setting for PostScript logical printers using CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

■ **ESC/P Settings List**

Prints the settings configured in the ESC/P-K emulation mode.

■ **ESC/P Logical Printers List**

Prints the programming settings configured in the ESC/P-K emulation mode.

■ **HP-GL/2 Settings List**

Prints the settings for the HP-GL, HP-GL/2 and HP-RTL emulation modes.

■ **HP-GL/2 Logical Printers List**

Prints the stored programming settings for the HP-GL, HP-GL/2, and HP-RTL emulation modes.

■ **HP-GL/2 Palette List**

Prints the sample list in 256 colors that can be set with the pen attribute on HP-GL and HP-GL/2 emulation modes.

■ **KS Settings List**

Prints the settings for the KS5843 emulation mode.

■ **KSSM Settings List**

Prints the settings for the KSSM emulation mode.

■ **KS5895 Settings List**

Prints the settings for the KS5895 emulation mode.

For information on KS5843/KSSM/KS5895 emulation mode, refer to the Administrator Guide for the Korean model.

■ **Font List**

Prints the list of fonts available on the machine.

**Note** • Information printed varies depending on the options installed.

■ **PCL Font List**

Prints the fonts available in PCL.

■ **PostScript Font List**

Prints the fonts available in PostScript.

■ **DocuWorks Printer Settings List**

Prints the settings for DocuWorks Direct Print.

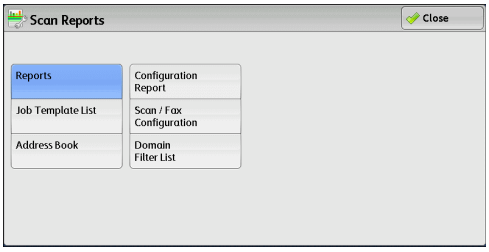
## Scan Reports

*1* Select [Scan Reports].

**Note** • To display the [Scan Reports] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Scan Reports].

2 Select a list to print.

3 Press the <Start> button.




### ■ Reports

You can print the Configuration Report, Scan/Fax Configuration Report, and Domain Filter List. Select a list to print, and then press the <Start> button.

- Configuration Report

  You can check the hardware configuration, network information, and print and copy settings of the machine.

**Note** • The contents of [Configuration Report] are identical whether it is printed from [Copy Reports], [Printer Reports], [Scan Reports], or [Fax Reports].

- Scan/Fax Configuration

  You can check the settings configured for the Scan feature and the Fax feature.

- Domain Filter List

  You can check the settings configured for the domain which filters the data transmissions.

### ■ Job Template List

You can print the list of settings for the server storing the job templates, which are created using CentreWare Internet Services.

For more information on the scan service setting tools, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

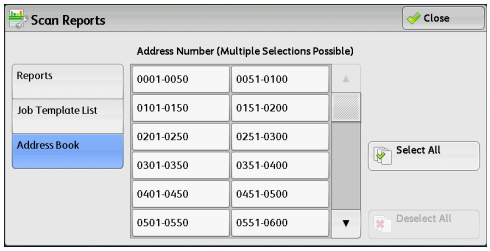
### ■ Address Book

You can check the settings for the address numbers. When you specify a range of address numbers, the list of settings for the specified address numbers is printed. Each page contains the settings information on 50 address numbers.

1 Select [Address Book].

2 Specify a range of address numbers to print.

3 Press the <Start> button.

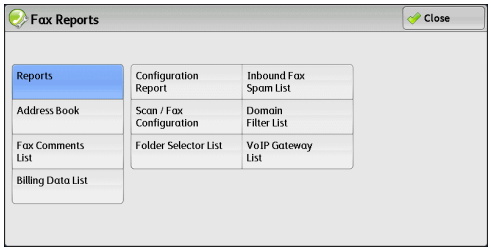



## Fax Reports

1 Select [Fax Reports]

**Note** • To display the [Fax Reports] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] >[Fax Report].

*2* Select a list to print.




*3* Press the <Start> button.

### ■ Reports

You can print the Configuration Report, Scan/Fax Configuration Report, Folder Selector List, Inbound Fax Spam List, Domain Filter List, and VoIP Gateway List. Select a list to print, and then press the <Start> button.

- Configuration Report

  You can check the hardware configuration, network information, and print and copy settings of the machine.

**Note** • The contents of [Configuration Report] are identical whether it is printed from [Copy Reports], [Printer Reports], [Scan Reports], or [Fax Reports].

- Scan/Fax Configuration

  You can check the settings configured for the Fax feature and the Scan feature.

**Note** • The contents of [Configuration Report] are identical whether it is printed from [Copy Reports], [Printer Reports], [Scan Reports], or [Fax Reports].

- Folder Selector List

  You can check the settings for the Folder Sorting feature.

- Inbound Fax Spam List

  You can check the settings for the G3-ID (telephone numbers) for which fax reception is restricted.

- Domain Filter List

  You can check the settings configured for the domain which filters the data transmissions.

- VoIP Gateway List

  You can check the registration for VoIP gateways.

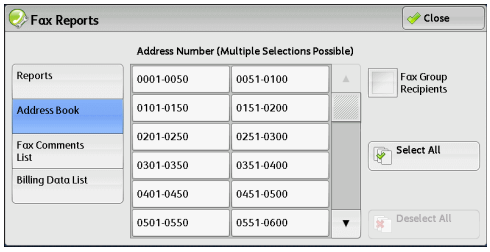
### ■ Address Book

You can check the settings for the address numbers (speed dial), fax group recipients, and relay stations.

When you specify a range of address numbers, the lists of settings for the specified address numbers and relay stations are printed. Each page contains the settings information on 50 address numbers.

For information on how to register speed dial and fax group recipients, refer to "Add Address Book Entry" (P.261) and "Create Fax Group Recipients" (P.268).

Selecting [Address Book] displays the screen for specifying a range of address numbers. Select a range of numbers, and then press the <Start> button.




- Fax Group Recipients

  You can print the list of settings for Fax Group Recipients.

- Select All

  You can print the lists of settings for all address numbers, fax group recipients, and relay stations.

### ■ Fax Comments List

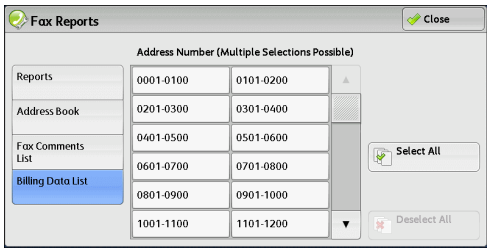
You can check the registered comments to use on fax cover sheets.

### ■ Billing Data List

You can check the registration status of the billing data.

**Note** • [Billing Data List] is displayed when [Fax/Internet Fax Service] is set to [Enable Accounting] under [Accounting] > [Accounting Type] > [Local Accounting] > [Auditron Mode].

Selecting [Billing Data List] displays the screen for specifying a range of address numbers. Select a range of numbers, and then press the <Start> button.




- Select All

  You can print the list of all billing data.

## Folder List

Prints the list of folder settings and the procedure for saving files to folders.

**Note** • [Folder List] appears when the [Tools] button is displayed on the [Services Home] screen.

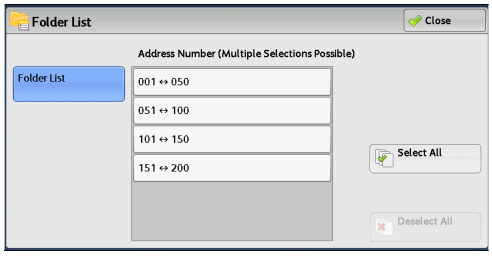
For information on how to create a folder, refer to "Create Folder" (P.250).

***1*** Select [Folder List].

**Note** • To display the [Folder List] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Folder List].

For information on how to create a folder, refer to "Create Folder" (P.250).

2 Select a range of folder numbers to print.




3 Press the <Start> button.

## Job Counter Report

Prints the counter report for each job. You can check the breakdown of the number of actual use of the machine by feature (such as the number of pages printed and the number of times used) and cumulative time when the machine is used (such as runtime, standby time, Low Power mode, Sleep mode, and power-off time) by minutes on the Job Counter Report.

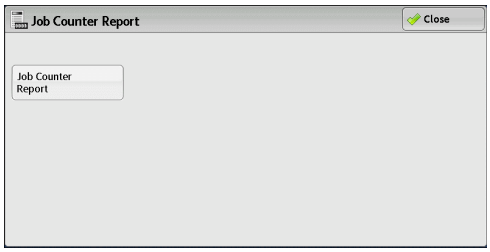
**Note** • [Job Counter Report] appears when the [Tools] button is displayed on the [Services Home] screen.

1 Select [Job Counter Report].

**Note** • To display the [Job Counter Report] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Job Counter Report].

2 Select [Job Counter Report].

3 Press the <Start> button.




## Auditron Reports

You can print an auditron report by each user. Note that the content on the screen differs depending on whether the Auditron mode for services is enabled or not.

**Note** • [Auditron Reports] appears when the [Tools] button is displayed on the [Services Home] screen.

• You cannot output the report to a file. To output a report to a file, use ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately).

### ■ When [Accounting Type] is set to other than [Local Accounting]

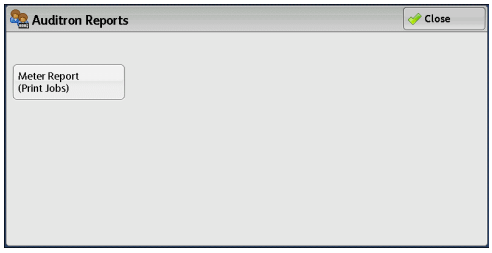
When [Accounting Type] of each service is set to other than [Local Accounting], the following screen appears, allowing you to print a Meter Report (Print Jobs).

1 Select [Auditron Reports].

**Note** • To display the [Auditron Reports] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Auditron Reports].

2 Select [Meter Report (Print Jobs)].

3 Press the <Start> button.



### ■ Meter Report (Print Jobs)

You can check the total number of printed pages and sheets of paper used for each client (job owner). [Meter Report (Print Jobs)] counts pages from the time at which the data is initialized.

## ■ When [Accounting Type] is set to [Local Accounting]

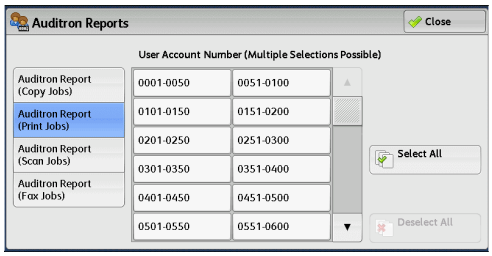
When [Accounting Type] is set to [Local Accounting], the [Auditron Report] screen appears. You can print the auditron report per user for the services of which the Auditron mode is set to [Enable Accounting].

For information on enabling the Auditron feature for each service, refer to "Accounting" (P.270).

1 Select [Auditron Reports].

**Note** • To display the [Auditron Reports] screen, select the <Machine Status> button, and then select [Machine Information] > [Print Reports] > [Auditron Reports].

2 Select an auditron report to print.




3 Select a range of user numbers to print.

**Note** • Selecting [Select All] selects all users.

4 Press the <Start> button.

### ■ Auditron Report (Copy Jobs)

You can check the total number of pages copied and printed on the machine. If the limit is set for the number of pages or colors that can be scanned, you can also check the limit value. [Auditron Report (Copy Jobs)] counts pages from the time at which the data is initialized.

**Note** • [No.] displayed on the report is the User Administration Number assigned when a user is registered under [Accounting] or [Authentication/Security Settings].

### ■ Auditron Report (Print Jobs)

You can check the total number of printed pages and sheets of paper used for each client (job owner). [Auditron Report (Print Jobs)] counts pages from the time at which the data is initialized.

**Important** • When [Print Service] is set to [Disable Accounting] in [Auditron Mode] under [Accounting Type], [Meter Report (Print Jobs)] is displayed instead of [Auditron Report (Print Jobs)]. For more information on Meter Report (Print Jobs), refer to "Meter Report (Print Jobs)" (P.113).

**Note** • [No.] displayed on the report is the User Administration Number assigned when a user is registered under [Accounting] or [Authentication/Security Settings].

### ■ Auditron Report (Scan Jobs)

You can check the total number of pages scanned with the machine. If the limit is set for the number of pages that can be scanned, you can also check the limit value. [Auditron Report (Scan Jobs)] counts pages from the time at which the data is initialized.

**Note** • [No.] displayed on the report is the User Administration Number assigned when a user is registered under [Accounting] or [Authentication/Security Settings].

### ■ Auditron Report (Fax Jobs)

You can check the total number of fax transmissions/receptions and the total number of pages transmitted for each user.

**Note** • [No.] displayed on the report is the User Administration Number assigned when a user is registered under [Accounting] or [Authentication/Security Settings].

## Automatically Printed Reports/Lists

Some reports/lists related to the Fax and Scan services can be printed only automatically. The following describes reports/lists that can be printed automatically.

### Transmission Report - Job Undelivered

The report is automatically printed when a transmission of scanned data to a computer on a network or a transmission of scanned data by e-mail fails. When a fax, the IP Fax (SIP), or the Internet Fax transmission fails, this report is also printed. You can check a thumbnail of the scanned data and its transmission result.

You can set not to print out the Transmission Report - Undelivered automatically.

For information on setting whether to print the report for e-mails automatically, refer to "Scan File Transfer Report" (P.157).

For information on setting whether to print the report for faxes automatically, refer to "Transmission Report - Job Undelivered" (P.157).

### Transmission Report

The report is automatically printed when a transmission of scanned data to a computer on a network or a transmission of scanned data by e-mail succeeds. When a fax, the IP Fax (SIP), or the Internet Fax transmission succeeds, this report is also printed. You can check a thumbnail of the scanned data and its transmission result.

You can set not to print out the Transmission Report - Undelivered automatically.

For information on setting whether to print the report for e-mails automatically, refer to "Scan File Transfer Report" (P.157).

For information on setting whether to print the report for faxes automatically, refer to "Transmission Report - Job Undelivered" (P.157).

### Folder Report

You can confirm that a document is stored in a folder.

For information on setting whether to print the report automatically, refer to "Folder Report" (P.157).

### Broadcast Report

You can check the result of a broadcast transmission. The recipients and transmission result/status are recorded.

If you set to print this report automatically, it is printed each time a broadcast transmission is completed.

For information on setting whether to print the report automatically, refer to "Broadcast/Multi-Poll Report" (P.157).

### Multi-poll Report

You can check the result of a multi-poll communication (polling from multiple recipients). The remote terminal name and transmission result/status are recorded.

If you set to print this report automatically, it is printed each time a multi-poll transmission is completed.

For information on setting whether to print the report automatically, refer to "Broadcast/Multi-Poll Report" (P.157).

### File Transfer Report - Fax Server

This report is output after image data scanned by the machine is sent to a Server Fax server via a network. It contains the scanned document image and the transmission result. To have the report printed, enter the System Administration mode.

For information on specifying whether or not to have the report printed automatically, refer to "Scan File Transfer Report (Fax Server)" (P.158).

### Job Flow Error Report

This report notifies job flow errors. The date and time of the error occurred and the error codes are printed.

You can set not to print out the Job Flow Error Report automatically.

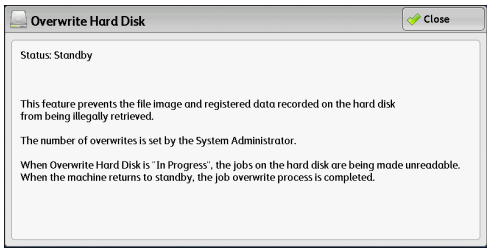
For information on setting whether to print the report automatically, refer to "Job Flow Error Report" (P.158).

## Overwrite Hard Disk

You can check the overwriting status of the hard disk. "Overwriting" indicates that the overwriting is in progress. "Standby" indicates that the overwriting is completed.

**Note**
- This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.
- [Overwrite Hard Disk] appears when [Overwrite Hard Disk] is enabled under [Authentication/Security Settings]. For more information, refer to "Overwrite Hard Disk" (P.288).

1. Select [Overwrite Hard Disk].
2. Check the overwriting status of the hard disk.

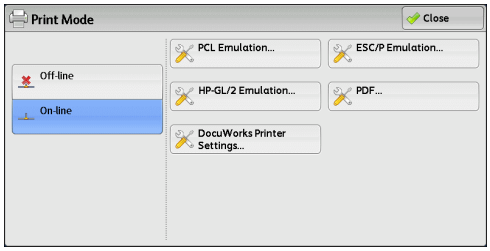



## Print Mode

You can print the programming settings configured in the ESC/P-K emulation mode and retrieve the programming.

**Note**
- The items displayed vary depending on the options installed.

1. Select [Print Mode].
2. Select [Off-line] or [On-line].




■ **Off-line**

The machine does not accept data from a computer. Any data being sent is cancelled and not printed.

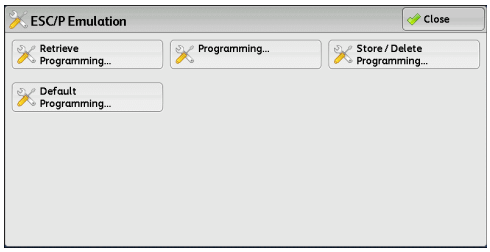
■ **On-line**

The printer accepts data from a computer.

3 Select a printer language to set a print mode.

4 Set each item.

**Note** • The items displayed vary depending on the printer language.

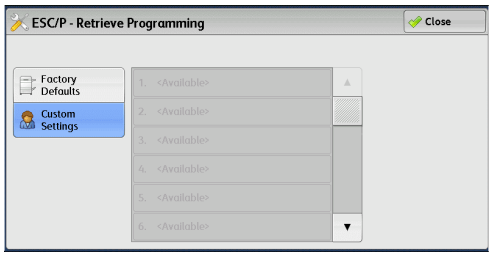



## Retrieve Programming

You can retrieve and use settings registered in memory.

1 Select [Retrieve Programming].

2 Select the memory number to use.




### ■ Factory Defaults

You can use the factory default settings.

### ■ Custom Settings

Displays the numbers stored in the memory.

## Programming

You can check or change the value set for the print mode item number.

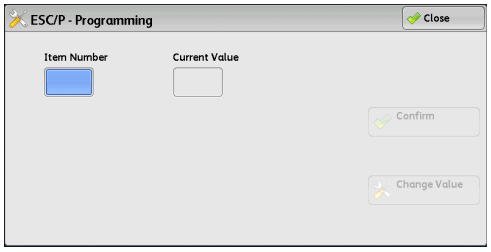
For the item numbers that can be configured in each mode menu, refer to "ESC/P-K Emulation Settings" (P.582), "PDF Direct Print Settings" (P.595), "PCL Emulation Settings" (P.601), and "HP-GL/2 Emulation Settings" (P.608).

1 Select [Programming].

2 Enter the item number of the feature to set in [Item Number] with the numeric keypad.

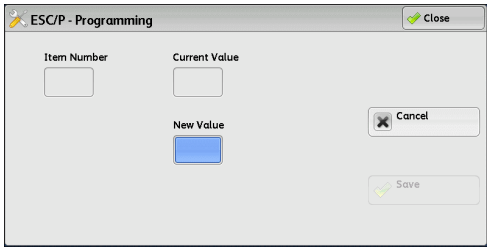
3 Select [Confirm]. The current setting value appears.

4 Select [Change Value].



5 Enter [New Value] with the numeric keypad.

6 Select [Save].

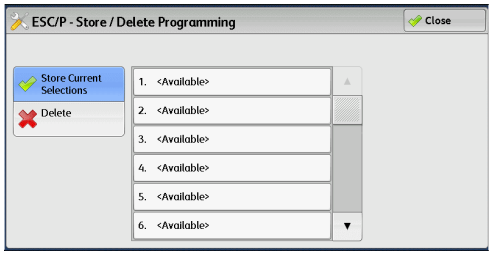



## Store/Delete Programming

For ESC/P-K and HP-GL/2 emulations, you can register settings in memory.
You can register up up to 20 print modes for ESC/P-K and HP-GL/2 emulations.

1 Select [Store/Delete Programming].

2 Select [Store Current Selections] or [Delete].




### ■ Store Current Selections

Stores the current selections. If you select a number already used, its settings will be overwritten with the new settings. The overwritten settings cannot be restored.

### ■ Delete

Deletes a number selected. Select [Delete], and then select a number to delete.

**Important** • Deleted numbers cannot be restored.

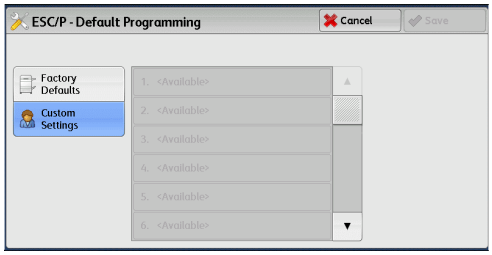
3 Select the memory number to store or to delete.

## Default Programming

You can start the machine using the settings stored in memory as default settings.

1 Select [Default Programming].

2 Select [Factory Defaults] or [Custom Settings].




### ■ Factory Defaults

You can use the factory default settings.

### ■ Custom Settings

Displays the numbers stored in memory.

3 When you select [Custom Settings], select a memory number to use.

4 Select [Save].

### Password

For PDF Direct Print, if a password is set for files, set the password here in advance. PDF files can only be printed when the passwords assigned and entered are the same.

You can use up to 32 characters for the password.

1 Press [Password].

2 Enter a password of up to 32 single-byte characters with the keyboard displayed, and select [Save].



## Fax Receiving Mode

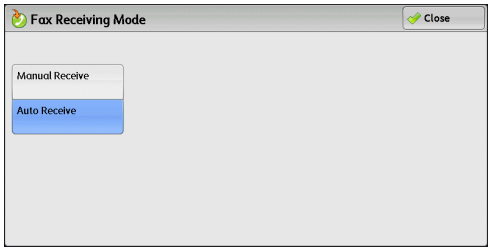
You can set a mode for receiving faxes.

**Note** • As for IP fax (SIP), the machine always receives faxes automatically.

For information on auto receive and manual receive, refer to "4 Fax" > "Receiving Faxes" in the User Guide.

1 Select [Fax Receiving Mode].

2 Select a fax receiving mode.




■ **Manual Receive**

The machine manually receives faxes from a remote machine. This mode is convenient to confirm the sender or use an external telephone before receiving faxes.

■ **Auto Receive**

The machine automatically receives faxes.

3 Select [Save].

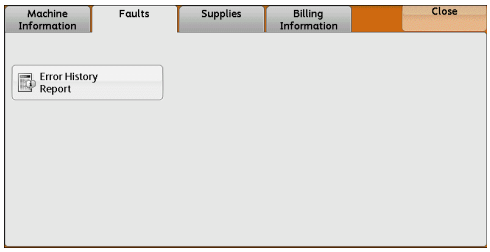
# Faults

This section describes how to check the information on errors that occurred on the machine.

The error history report shows the list of the latest 50 errors. The items printed include the date and time, error code, and error category.

The following describes how to print the error history report.

1. Press the <Machine Status> button.
2. Select the [Faults] tab.
3. Select [Error History Report].
4. Press the <Start> button.




**Note**

- You can also access [Error History Report] under [Machine Information] > [Print Reports] > [Job Status/Activity Report].
- If [Print Reports Button] under [Reports] is set to [Disabled], the [Error History Report] button does not appear on the screen. For more information on Reports, refer to "Reports" (P.157).

# Supplies

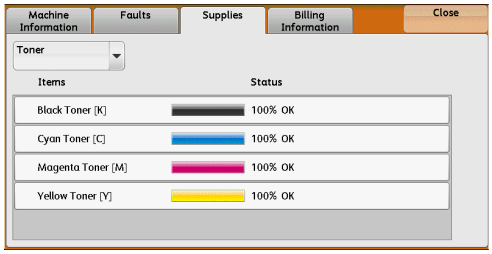
You can check the status of consumables on the [Supplies] screen. The status of consumables is shown as "OK", "Replace Soon (Order Now)", or "Replace Now".

The following describes the procedure to check the status of consumables.

For information on replacing consumables, refer to "Replacing Consumables" (P.60).

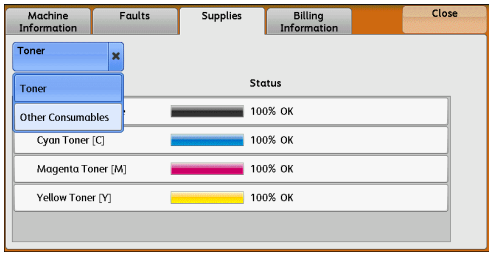
1 Press the <Machine Status> button.

2 Select the [Supplies] tab and confirm the status of the toners.




**Note**
- Pressing a supply name displays a screen about the status of the supply.

3 Select [Toner] from the drop-down list box, and then select [Other Consumables] and confirm the status of the consumables.




On the [Supplies] screen, you can check the following items:

- Black Toner [K]
- Cyan Toner [C]
- Magenta Toner [M]
- Yellow Toner [Y]
- Drum Cartridge [R1]
- Drum Cartridge [R2]
- Drum Cartridge [R3]
- Drum Cartridge [R4]
- Waste Toner Container [R5]
- Fusing Unit [R8]
- Staple Cartridge [R1]
- Booklet Staple Cartridge [R2]
- Booklet Staple Cartridge [R3]
- Hole Punch Waste Container [R4]
- Second Bias Transfer Roll [R7]
- Transfer Belt [R6]

**Important**
- If you replace a toner cartridge with a partially used toner cartridge, the displayed status may differ from the actual remaining amount. When you replace toner cartridges, we recommend that you use new ones.

**Note**
- Pressing a supply name displays a screen about the status of the supply.
- The items displayed vary depending on the options installed.
- Select [▲] to display the previous screen or [▼] to display the next screen.
- Select the [Reset Counter] button after you replaced the 2nd BTR Unit or IBT Unit.

# Billing Information

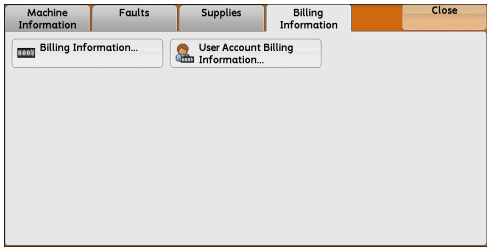
On the [Billing Information] screen, you can check the number of pages printed per meter or user.

The following shows the reference section for each item:

Billing Information ..... 121
User Account Billing Information ..... 122

1 Press the <Machine Status> button.

2 Select the [Billing Information] tab.





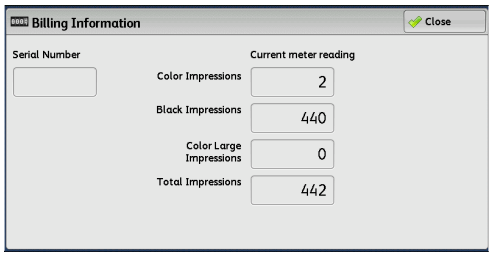

## Billing Information

You can check the total number of copies and pages printed by individual meters.

1 Select [Billing Information].

2 On the screen, check each meter.

**Note** • [Previous meter billing] is displayed when the EP system is used. For more information on the EP system, refer to "EP System" (P.667).




### ■ Serial Number

Displays the serial number of the machine.

### ■ Color Impressions

Displays the total number of pages copied and printed in full color.

### ■ Black Impressions

Displays the total number of pages copied and printed in black and white, and pages faxed*1.

### ■ Color Large Impressions

Displays the total number of pages printed in large-size full color*2.

### ■ Total Impressions

Displays the total number of Color Impressions and Black Impressions.

**Note** • When print data resulting from color conversion using an ICC profile, for example, on the application is printed at Auto (Color/B/W), even documents that appear in black-and-white on the monitor are printed in color. In this case, Color Impressions is used for counting the number of prints.

- *1 is applied on models equipped with the Fax features. Only B/W and not color is supported for Faxes.
- For *2, large-size full color is counted as a print at either of number of full color copies or number of full color prints in Color Impressions if a copy or print is made on paper of 279 mm x 400 mm or larger (279 mm or more in the primary scanning direction and 400 mm or more in the secondary scanning direction) when the user has selected color (4-color or 3-color) for copying or printing or a color document has been recognized during document scanning on the scanner.

## User Account Billing Information

You can check the number of pages printed by user.

When the Auditron mode is enabled, you can check the billing meters for the currently authenticated user ID.

**Note**
- [User Account Billing Information] is displayed when the [Accounting Type] is set to [Local Accounting].

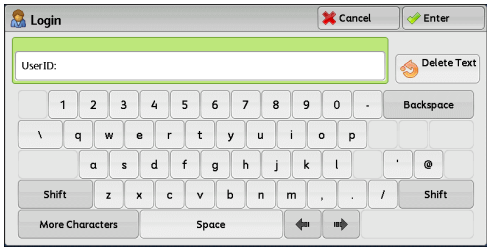
For more information on the Auditron mode, refer to "Accounting" (P.270).

*1* Press the <Log In/Out> button.

### ■ To check the billing meter of a currently authenticated user ID

1) Enter the user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a password is required, select [Next] and enter the user's passcode, and select [Enter].




2) Press the <Machine Status> button.

### ■ To check the system administrator meter

1) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

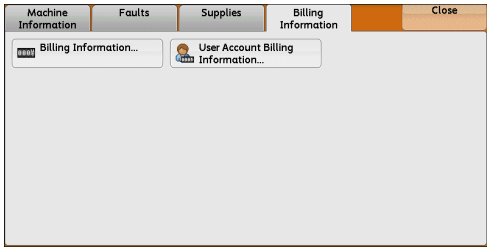
   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

2) Press the <Machine Status> button.

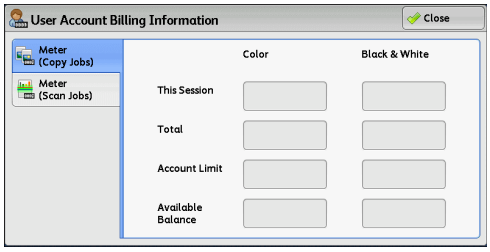
*2* Select the [Billing Information] tab.

*3* Select [User Account Billing Information].



4 Select a meter to check.

**Note** • The meters are displayed only for the features set to [Enable Accounting] in the Auditron mode.




■ **Meter (Copy Jobs)**

Displays the number of pages copied.

■ **Meter (Scan Jobs)**

Displays the number of pages scanned.

■ **Meter (Print Jobs)**

Displays the number of pages printed.

**Note** • [Meter (Print Jobs)] is not displayed for the system administrator.

# 5 Tools

Each feature of the machine is set to the factory default (initial) settings, but you can customize these settings in accordance with your environment. To change or customize these settings, enter the System Administration mode and make changes in the [Tools] screen.

This chapter describes the features that can be changed and the procedures to change the settings.


- System Settings Procedure ..... 126
- Tools Menu List ..... 130
- Common Service Settings ..... 144
- Copy Service Settings ..... 175
- Connectivity & Network Setup ..... 185
- Print Service Settings ..... 212
- Scan Service Settings ..... 219
- Fax Service Settings ..... 226
- E-mail/Internet Fax Service Settings ..... 239
- Address Book Settings ..... 242
- Folder Service Settings ..... 243
- Job Flow Service Settings ..... 244
- Media Print Service Settings ..... 245
- Stored File Settings ..... 246
- Web Browser Setup ..... 248
- Setup ..... 250
- Accounting ..... 270
- Authentication/Security Settings ..... 279

# System Settings Procedure

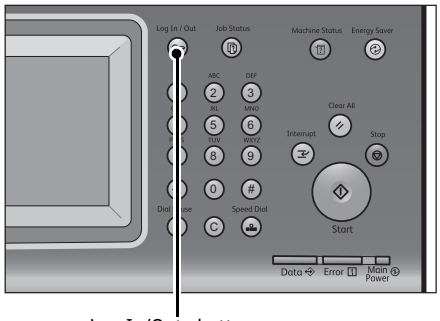
To change or customize the system settings, enter the System Administration mode.

This section describes the basic procedures for system settings. The following shows the reference section for each procedure.

Step 1 Entering System Administration Mode ..... 126
Step 2 Entering the System Administrator User ID and Passcode ..... 126
Step 3 Selecting [Tools] ..... 127
Step 4 Selecting a Setting Item on the [Tools] Screen ..... 127
Step 5 Setting a Feature ..... 129
Step 6 Exiting System Administration Mode ..... 129

## Step 1 Entering System Administration Mode

*1* Press the <Log In/Out> button or the login information area on the touch screen.




<Log In/Out> button

## Step 2 Entering the System Administrator User ID and Passcode

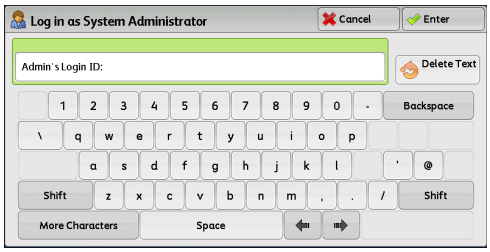
To enter the System Administration mode, enter the system administrator User ID. If [Passcode Entry for Control Panel Login] is set to [On] under [Authentication/Security Settings] > [Authentication] > [Passcode Policy], you need to enter the passcode.

We recommend that you change the system administrator user ID and passcode immediately after installing the machine.

For more information on how to change the passcode, refer to "System Administrator Settings" (P.279).

*1* Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and then select [Enter].



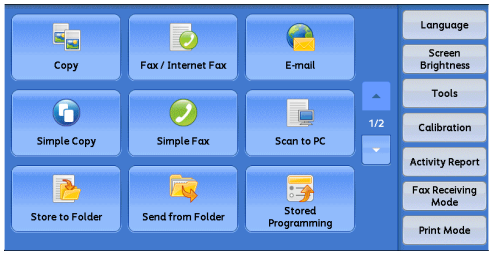

**Note**

- The default user ID is "11111".
- The default passcode is "x-admin".
- The screen may differ depending on the settings of the machine.
- The <Log In/Out> button is lit when the machine enters the System Administration mode.

## Step 3 Selecting [Tools]

*1* Select [Tools] on the [Services Home] screen.

**Note** • When the [Service Home] screen is not displayed on the touch screen, press the <Services Home> button.

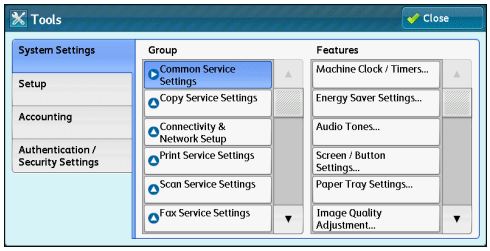



## Step 4 Selecting a Setting Item on the [Tools] Screen

On the [Tools] screen, select a setting item to set.

For the items that can be selected on the [Tools] screen, refer to "Tools Menu List" (P.130).

*1* Select a tab to set.




### System Settings

You can set or change the default values of each service.

#### ■ Common Service Settings

Allows you to configure the general settings of the machine.

For more information, refer to "Common Service Settings" (P.144).

#### ■ Copy Service Settings

Allows you to configure the copy service settings such as copy feature defaults, copy operation control, and button indications.

For more information, refer to "Copy Service Settings" (P.175).

#### ■ Connectivity & Network Setup

Allows you to configure the network related settings such as ports and protocols.

For more information, refer to "Connectivity & Network Setup" (P.185).

#### ■ Print Service Settings

Allows you to configure the print service settings such as memory settings and print operation control.

For more information, refer to "Print Service Settings" (P.212).

#### ■ Scan Service Settings

Allows you to configure the scan service settings such as scanner defaults and button indications.

For more information, refer to "Scan Service Settings" (P.219).

■ **Fax Service Settings**

Allows you to configure the fax service settings such as setting defaults, fax control and button settings.

For more information, refer to "Fax Service Settings" (P.226).

■ **E-mail/Internet Fax Service Settings**

Allows you to configure the e-mail and Internet fax transmission specifications settings.

For more information, refer to "E-mail/Internet Fax Service Settings" (P.239).

■ **Address Book Settings**

Allows you to configure the Address Book settings.

For more information, refer to "Address Book Settings" (P.242).

■ **Folder Service Settings**

Allows you to configure the settings relating to folders.

For more information, refer to "Folder Service Settings" (P.243).

■ **Job Flow Service Settings**

Allows you to configure the settings relating to Job Flow.

Job flow is a function to execute a series of registered operations.

For more information on Job Flow, refer to "Job Flow Service Settings" (P.244).

■ **Media Print Service Settings**

Allows you to configure the settings relating to Media Print (Text and Photo).

For more information, refer to "Media Print Service Settings" (P.245).

■ **Stored File Settings**

Allows you to set how to delete files in a folder and print files stored in the machine.

For more information, refer to "Stored File Settings" (P.246).

■ **Web Browser Setup**

Allows you to configure the settings relating to the web browser when accessing a remote destination server.

For more information, refer to "Web Browser Setup" (P.248).

## Setup

You can create and change folders, job flow sheets, and the Address Book (speed dial numbers).

For more information, refer to "Setup" (P.250).

## Accounting

You can register users and configure the settings for account administration.

For more information, refer to "Accounting" (P.270).

## Authentication/Security Settings

You can configure the authentication and security settings.

For more information, refer to "Authentication/Security Settings" (P.279).

## Step 5 Setting a Feature

1. Select any feature.

   **Note**
   - Select a submenu from the [Group] list, and then select a feature from the [Features] list.
   - Select [▲] or [▼] as required.

2. Select an item to set.
3. After setting the feature, select [Save].
4. Select [Close] repeatedly until the [Services Home] screen is displayed.

   **Note**
   - If rebooting the machine is required to enable the new settings, when you select [Close] in the [Tools] screen, a message may be displayed. Follow the message and reboot the machine. After the machine reboots, it exits from the System Administration mode, and the <Log In/Out> button is unlit.

## Step 6 Exiting System Administration Mode

1. Press the <Log In/Out> button or the login information area on the touch screen.

   **Note**
   - You can also log out by pressing the login information field on the touch screen, and then selecting [Logout].
   - The <Log In/Out> button is unlit when the machine exits from the System Administration mode.

# Tools Menu List

The following tables list the items that can be set on the [Tools] screen. Note that some items may not appear depending on the configuration of the machine.

## System Settings

### ■ Common Service Settings

| | |
|---|---|
| Machine Clock/Timers (P.144) | • Date (P.144)<br>• Time (P.144)<br>• NTP Time Synchronization (P.145)<br>• Connection Interval (P.145)<br>• Time Server Address (P.145)<br>• Auto Clear (P.145)<br>• Auto Job Release (P.145)<br>• Auto Print (P.145)<br>• Printer Lockout (P.145)<br>• Time Zone (P.146)<br>• Daylight Savings (P.146) |
| Energy Saver Settings (P.146) | • Energy Saver Timers (P.146)<br>• Energy Saver Deactivation (P.147) |
| Audio Tones (P.147) | • Control Panel Select Tone (P.147)<br>• Control Panel Alert Tone (P.147)<br>• Base Tone (P.147)<br>• Machine Ready Tone (P.147)<br>• Job Complete Tone 1, 2 (P.147)<br>• Fault Tone (P.148)<br>• Auto Clear Alert Tone (P.148)<br>• Alert Tone (P.148)<br>• Out of Paper Warning Tone (P.148)<br>• Low Toner Alert Tone (P.148)<br>• Stored Programming Tone (P.148)<br>• Stored Programming Complete Tone (P.148)<br>• Line Monitor Volume (P.148)<br>• Ringing Volume (P.148) |
| Screen/Button Settings (P.149) | • Screen Default (P.149)<br>• Screen After Auto Clear (P.149)<br>• Auto Display of Login Screen (P.149)<br>• Custom Buttons 1 to 3 (P.149)<br>• One-touch Buttons (P.149)<br>• Services Home (P.149)<br>• Services Home - Additional Features (P.149)<br>• Job Type on Job Status screen (P.150)<br>• Default Language (P.150)<br>• Screen Brightness (P.150)<br>• Reconfirm E-mail Recipient (P.150)<br>• Reconfirm Fax/Internet Fax Recipient (P.150)<br>• Reconfirm E-mail Recipient Button (P.151)<br>• Reconfirm Fax/Internet Fax Button (P.151)<br>• Screen After Inserting USB (P.151) |

| | |
|---|---|
| Paper Tray Settings (P.151) | • Custom Paper Name/Color (P.151)<br>• Paper Tray Attributes (P.151)<br>• Customize Paper Supply Screen (P.152)<br>• Paper Tray Attributes on Setup Screen (P.152)<br>• Paper Tray Attributes During Loading (P.152)<br>• Paper Tray Priority (P.153)<br>• Paper Type Priority (P.153)<br>• Tray 5 - Paper Size Defaults (P.153)<br>• Auto Tray Switching Control (P.153)<br>• Image Quality (P.154) |
| Image Quality Adjustment (P.155) | • Image Quality (P.155)<br>• Calibration (P.156) |
| Reports (P.157) | • Print Reports Button (P.157)<br>• Job History Report (P.157)<br>• Activity Report (P.157)<br>• Transmission Report - Job Undelivered (P.157)<br>• Transmission Report - Job Deleted (P.157)<br>• Folder Report (P.157)<br>• Broadcast/Multi-Poll Report (P.157)<br>• Scan File Transfer Report (P.157)<br>• Scan File Transfer Report (Fax Server) (P.158)<br>• 2 Sided Report (P.158)<br>• Activity Report - Recipient (P.158)<br>• Job Flow Error Report (P.158) |
| Maintenance (P.158) | • EP Diagnostic Request/Repair Request (P.158)<br>• Check EP Connection (P.159)<br>• EP Registration (P.159)<br>• Initialize Hard Disk (P.159)<br>• Delete All Data (P.159)<br>• Software Options (P.159)<br>• Power on Self Test (P.159)<br>• Check Smart Card Details (P.159)<br>• Finisher Adjustment (P.160)<br>• Software Upgrade (P.160)<br>• Adjust Paper Registration (P.160)<br>• Delete All Certificates/Initialize Settings (P.160)<br>• Quick Setup Home (P.160) |
| Watermark (P.160) | • Date Format (P.161)<br>• Default Watermark Effect (P.161)<br>• Default Watermark (P.161)<br>• Font Size (P.161)<br>• Background Pattern (P.161)<br>• Font Color (P.161)<br>• Density (P.161)<br>• Watermark/Background Contrast (P.161)<br>• Force Watermark - Copy (P.162)<br>• Force Watermark - Client Print (P.162)<br>• Force Watermark - Print Stored File (P.162)<br>• Force Watermark - Media Print (P.162)<br>• Custom Watermark 1 to 3 (P.162)<br>• Print this Sample List (P.162) |
| Force Annotation (P.162) | • Apply Layout Template to Copy/Print Jobs (P.163)<br>• Delete Layout Template (P.163)<br>• Create Text String (P.163) |

| | |
|---|---|
| Print Universal Unique ID (P.164) | • Print Universal Unique ID (P.164)<br>• Print Position (P.164)<br>• Print Position Adjustment (P.164)<br>• Print Position (Side 2) (P.164) |
| Notify Job Completion by E-mail (P.164) | • Targeted Jobs (P.164)<br>• E-mail Addresses 1 to 5 (P.164)<br>• E-mail Message (P.165) |
| Other Settings (P.165) | • Fax Service (P.165)<br>• Offset Stacking (Center Tray) (P.165)<br>• Offset Stacking (Center Tray - Lower) (P.165)<br>• Offset Stacking (Right Middle Tray) (P.165)<br>• Booklet Offset (P.166)<br>• Extra Center Tray (P.166)<br>• Auto Job Promotion (P.166)<br>• Default Print Paper Size (P.166)<br>• Odd Page 2 Sided (P.166)<br>• Paper Size Settings (P.166)<br>• Millimeters/Inches (P.170)<br>• Tray 1 Configuration (P.170)<br>• Keyboard Input Restriction (P.170)<br>• Operation of Up/Down Buttons (P.171)<br>• Display Consumables Screen (P.171)<br>• Data Encryption (P.171)<br>• Encryption Key for Confidential Data (P.172)<br>• Service Rep. Restricted Operation (P.172)<br>• Software Download (P.173)<br>• Restrict Recipient Selection Method (P.173)<br>• Restrict User to Edit Address Book (P.173)<br>• Auto Validation of Speed Dial Entry (P.173)<br>• Data Indicator (P.174) |

### ■ Copy Service Settings

| | |
|---|---|
| Copy Tab - Features Allocation (P.175) | - |
| Preset Buttons (P.176) | • Paper Supply - Button 2 - 5 (P.176)<br>• Reduce/Enlarge - Button 3 - 4 (P.176)<br>• Front Cover Tray - Button 1 - 3 (P.176)<br>• Back Cover Tray - Button 1 - 3 (P.176) |

| | |
|---|---|
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| | |
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| | |
|---|---|
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# Common Service Settings

In [Common Service Settings], you can make settings relating to the machine's common features. The following shows the reference section for each item.

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1 On the [Tools] screen, select [System Settings].

For information on how to display the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.

## Machine Clock/Timers

You can set the machine clock or the time intervals of the machine to reset settings.

### Date

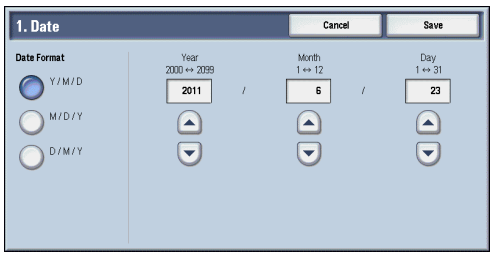
Set the date in the system clock of the machine. The date set here will be printed on all lists and reports.

1 Select [Date], and then select [Change Settings].

2 Select a date format.

3 Specify [Year], [Month], and [Day].

4 Select [Save].




### Time

Set the time in the system clock of the machine, using 12-hour or 24-hour format. The time set here will be printed on all lists and reports.

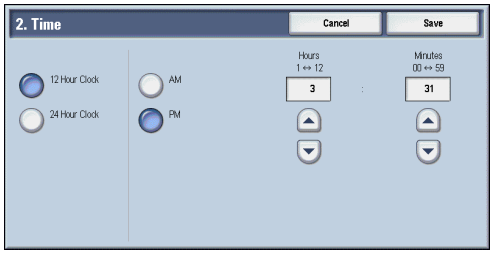
1 Select [Time], and then select [Change Settings].

2 Select the display format.

3 When you select [12 Hour Clock], set [AM] or [PM].

4 Specify [Hours] and [Minutes].

5 Select [Save].




### NTP Time Synchronization

You can synchronize the machine clock with a time server (NTP: Network Time Protocol), by receiving time information from the server.

To connect to a time server, select [On] for [NTP Time Synchronization], and set the IP address of the time server in [Time Server Address].

### Connection Interval

Specify how often the machine connects to the time server.

You can select from 1 to 500 hours in 1 hour increments.

### Time Server Address

Set the server name or IP address of the time server.

**Note**
- For IPv4, enter the IP address in xxx.xxx.xxx.xxx format, where "xxx" is a value between 0 and 255.
- For IPv6, enter the IP address in xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx format, where "xxxx" is a hexadecimal number.

### Auto Clear

Specify the time lapsed without any operation until the machine resets the settings automatically.

When you select [On], specify a value between 10 and 900 seconds in 1 second increments. When you select [Off], the settings are not reset automatically.

**Note**
- When [Off] is selected, the machine will cancel the standby status and begin processing a document after one minute has elapsed in anticipation of a job command.

### Auto Job Release

Specify the time lapsed until the machine cancels the active job and starts the next job if an error such as document or paper jams and running out of paper occurs during copying or scanning. In that case, only those jobs not affected by the error can be processed.

When you select [On], specify a value in 1 minute increments. When you select [Off], the active job is not canceled automatically.

### Auto Print

Set the time period to start the next print job after the operation of the control panel (except for the <Start> and <Clear All> buttons).

When you select [On], specify a value between 1 and 240 seconds in 1 second increments. When you select [Off], printing starts immediately after the machine is ready.

### Printer Lockout

You can set the machine to disable printing during the specified time period or to temporarily disable printing.

Selecting [On] allows you to set [Set Lockout Duration] and/or [Allow User to Lock Out].

When [Allow User to Lock Out] is selected, the [Lock Out Printer] button needs to be displayed on the right side of the [Services Home] screen.

For information on how to display the [Lock Out Printer] button on the [Services Home] screen, refer to "Customizing the Button Layout" (P.26).

■ **Set Lockout Duration**

Set the time period to disable printing.

Specify the start and end time to disable printing in 1 minute increments.

■ **Allow User to Lock Out**

Selecting [Lock Out Printer] on the [Services Home] screen temporarily disables printing. [Release Printer] is displayed during the printer lockout duration. Selecting [Release Printer] enables printing.

**Note**

- A job started before the start time will be printed continuously even after elapsing the start time. The job will be printed continuously even if you select [Lock Out Printer] while printing. After the job is completed, the machine enters the printer lockout status.
- When both [Set Lockout Duration] and [Allow User to Lock Out] are set and the start time comes while the [Release Printer] button is displayed, the machine automatically enters the printer lockout status.
- When you select [Release Printer] during the printer lockout duration, printing is enabled, and when you then select [Lock Out Printer], the machine resumes the printer lockout status.
- The printer lockout status is not released automatically even after the end time elapsed. To release the printer lockout status, the control panel operation is required.
- The printer lockout duration will not be released even when you switch the power off and then on again, or even when you press the <Energy Saver> button while the machine is in the Energy Saver mode (Low Power mode or Sleep mode).
- The machine starts printing in accordance with the setting in [Auto Print] when [Release Printer] is selected. Thus the printing may not start just after [Release Printer] is selected.
- You can also print during the printer lockout duration by selecting a job in [Active Jobs] on the [Job Status] screen and then selecting [Promote Job].
- When the [Allow User to Lock Out] check box is deselected, [Disable Auto Printing] in [Services Home - Additional Features] is displayed as [(Not Assigned)].

### Time Zone

Set the time difference from GMT between -12 and +12 hours.

### Daylight Savings

You can set daylight saving time. During daylight saving time period, the machine moves the clock forward by one hour.

Select from [Adjust Off], [Adjust by Day, Month & Time], and [Adjust by Month, Week, Day of Week & Time].

If you select [Adjust by Day, Month & Time], specify the month, day, and time for [Start Date] and [End Date].

If you select [Adjust by Month, Week, Day of Week & Time], specify the month, week, day of week, and time for [Start Date] and [End Date].

## Energy Saver Settings

You can configure the following settings of Energy Saver mode.

### Energy Saver Timers

The Energy Saver mode has two modes: the Low Power and Sleep modes. When a specified period of time has elapsed, the machine switches to these modes in the following order to reduce power consumption.

Last operation on the machine → Low Power mode → Sleep mode

For more information on the setting procedure, refer to "Energy Saver Mode" (P.21).

**Note** • You cannot configure the machine not to switch to the Low Power mode or the Sleep mode.

■ **From Last Operation to Low Power Mode**

Specify a time period between 1 and 240 minutes in 1 minute increments to enter the Low Power mode after the last operation.

■ **From Last Operation to Sleep Mode**

Specify a time period between 1 to 240 minutes in 1 minute increments to enter the Sleep mode after the last operation.

**Note** • Configure the [From Last Operation to Sleep Mode] time to be longer than the [From Last Operation to Low Power Mode] time.

### Energy Saver Deactivation

Set whether to disable the Energy Saver mode fully or partially when exiting the mode.

■ **Deactivate All**

All devices of the machine exit the Energy Saver mode.

■ **Deactivate Partially As Required**

Only the devices necessary for the operation exit the Energy Saver mode.

You can select from [Always On] or [When Printing/Job Auto Processing].

**Note** • Even when [Deactivate Partially As Required] is selected, it is not valid if you set [EtherTalk - Port Status] to [Enabled]. For more information on the port setting, refer to "Port Settings" (P.185).

## Audio Tones

Select whether to sound an alarm when a job ends or a fault occurs.

### Control Panel Select Tone

Set the volume to be sounded when a button on the control panel is correctly selected.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

### Control Panel Alert Tone

Set the volume to be sounded when a button that cannot be selected is selected, or an error occurs.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

### Base Tone

Set the volume for the base tone of the toggle button, which changes setting each time it is pressed. The machine plays this sound when it exits the Interrupt mode.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

### Machine Ready Tone

Set the volume to be sounded when the machine is ready to copy or print, or powered on.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

### Job Complete Tone 1, 2

Set the volume to be sounded when a job is completed normally.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

You can select the target jobs to play the sound.

### Fault Tone

Set the volume to be sounded when a job fails.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

You can select the target jobs to play the sound.

### Auto Clear Alert Tone

Set the volume to be sounded at five seconds before automatically returning to the initial screen when [Auto Clear] is set to [On].

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

For information on Auto Clear, refer to "Auto Clear" (P.145).

### Alert Tone

Set the volume to be sounded when a fault such as a paper jam occurs, and the job remains in failure state.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].



### Out of Paper Warning Tone

Set the volume to be sounded when a job is suspended because there is no paper in a tray.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

### Low Toner Alert Tone

Set the volume to be sounded when the toner cartridge needs replacing.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

### Stored Programming Tone

Set the volume to be sounded while a stored program is being registered.

You can select from [Soft], [Normal], and [Loud].

This tone cannot be disabled.

### Stored Programming Complete Tone

Set the volume to be sounded when the call of a stored programming registered is completed.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

### Line Monitor Volume

When sending a fax, you can relay the sound on the telephone line until the connection is made through the speakers on the machine. This is convenient for Fax Information Services without using the telephone receiver.

You can select a volume level from [Soft], [Normal], or [Loud]. To disable the sound, select [Off].

### Ringing Volume

Set the volume to be sounded when the machine receives a fax.

You can select from [Soft], [Normal], and [Loud]. To disable the sound, select [Off].

## Screen/Button Settings

Set screens and buttons.

### Screen Default

Set the screen displayed after powering on the machine or canceling the Energy Saver mode.

For more information on the setting procedure, refer to "Customizing the Control Panel" (P.24).

### Screen After Auto Clear

Set the screen displayed after Auto Clear.

For more information on the setting procedure, refer to "Setting the Screen After Auto Clear" (P.25).

### Auto Display of Login Screen

When the Authentication feature is enabled on the machine, set whether or not to automatically display the login screen after turning on the machine or canceling the Energy Saver mode.

### Custom Buttons 1 to 3

You can assign services such as Copy and Send from Folder to the custom buttons on the control panel: Custom Button 1 to Custom Button 3.

To leave a feature unassigned, select [(Not Set)].

**Note** • Copy service is assigned to [Custom Button 1] and Review is assigned to [Custom Button 3] by factory default.

For more information, refer to "Assigning Services to the Custom Buttons" (P.30).

### One-touch Buttons

Set the number of address numbers that are assigned to the one touch buttons.

■ **Type 1**

Assigns the one touch buttons 1 to 52 to the address numbers 0001 to 0052, and buttons 53 and 54 to the stored programming jobs 1 and 2.

■ **Type 2**

Assigns the one touch buttons 1 to 45 to the address numbers 0001 to 0045, and buttons 46 to 54 to the stored programming jobs 1 to 9.

**Note** • [Type 1] is selected by factory default.

### Services Home

Set the layout of service buttons that appear on the [Services Home] screen.

For more information on how to set the buttons, refer to "Customizing the Button Layout" (P.26).

### Services Home - Additional Features

Set the layout of additional feature buttons that appear on the [Services Home] screen.

**Note** • If you do not want to display [Setup] as an additional feature button, select the [Show this in Admin mode] check box. You can set or change settings with the machine only when it is in the System Administration mode.

For more information on how to set the buttons, refer to "Customizing the Button Layout" (P.26).

### Job Type on Job Status screen

Select the default job types to be shown on the [Completed Jobs] screen under the [Job Status] screen that is displayed when the <Job Status> button on the control panel is pressed.

Select from [All Jobs], [Printer & Print from Folder Jobs], [Scan, Fax, & Internet Fax Jobs], and [Job Flow & File Transfer Jobs].

### Default Language

Select the language displayed on the machine.

There are two ways of selecting the language: set in the System Administration mode and set by local users.

- Setting in the System Administration mode

  The language set here is the standard language that is retained even when the machine is powered off and on.

- Setting by local users

  The language setting in [Language] in the [Services Home] screen is lost when the machine is powered off.

**Important**
- When you select [English], only ASCII characters can be used.
- When you set [Language] to [English] on the [Services Home] screen and an address book entry or contents of [Details] of Job Flow Sheets is entered in double-byte characters, the characters may not be displayed properly.
- When you use CentreWare Internet Services to import a CSV file* including double-byte characters other than a selected language, the characters in the file may be garbled or the import may fail.

  * : CSV (Comma Separated Values) is a file format that is often used for saving data by spreadsheets and database programs.



### Screen Brightness

You can adjust the screen brightness of the control panel between -16 and +16.

### Reconfirm E-mail Recipient

Select whether or not to display the screen to confirm e-mail recipients when sending e-mails.

Select from [Confirmation Not Required], [Always Reconfirm Recipient], and [Reconfirm if Multiple Recipients].

### Reconfirm Fax/Internet Fax Recipient

Set whether or not to display a screen to confirm fax/Internet fax recipients when sending faxes/Internet faxes.

#### ■ First Tab - Reconfirm Recipients

Select from [Off], [Always Reconfirm Recipient], and [Reconfirm if Multiple Recipients].

#### ■ Start Job at Other Tabs

Select from [Disabled] and [Enabled].

**Note**
- When you select [Disabled], you cannot confirm the e-mail recipients in other Tabs.

#### ■ Reconfirm Recipient at Other Tabs

Select from [Off], [Always Reconfirm Recipient], and [Reconfirm if Multiple Recipients].

**Note**
- This item is not displayed when you select [Disabled] for [Start Job at Other Tabs].

- [Off] cannot be selected when you select [Reconfirm if Multiple Recipients] for [Scan Tab - Reconfirm Recipients]. And [Off] and [Reconfirm if Multiple Recipients] cannot be selected when you select [Always Reconfirm Recipient] for [Scan Tab - Reconfirm Recipients].

### Reconfirm E-mail Recipient Button

Set whether or not to display a screen to check available memory when sending e-mails.

Select from [Disabled (Show Memory)] and [Enabled].

### Reconfirm Fax/Internet Fax Button

Set whether or not to display a screen to check available memory when sending faxes/ Internet faxes.

Select from [Disabled (Show Memory)] and [Enabled].

### Screen After Inserting USB

Select whether or not to display the screen when the machine detects USB memory device insertion, and also select the screen type at the time.

Select from [Off], [Store to USB], [Media Print - Text], [Media Print - Photos], and [Service Selection Screen].

**Note**

- If you select [Service Selection Screen], the [USB Device Detected] screen is displayed when a USB memory device is inserted. You can select [Store to USB], [Media Print - Text], or [Media Print - Photos]
- If a USB memory device is inserted when the machine is switched off, and then you switch on, the [Services Home] screen is displayed.
- When a USB memory device is inserted into the USB memory slot during the Energy Saver mode, the touch screen does not light up. After exiting the Energy Saver mode by pressing the <Energy Saver> button, insert the USB memory device again or select the feature to be used on the [Services Home] screen.
- If a commercially available Memory Card Reader is used and it is left inserted all the time, the screen is not switched to the selected screen even when a medium is inserted into the slot of the Memory Card Reader.

## Paper Tray Settings

Set the items related to the paper and trays, including the type of paper and tray priority.

### Custom Paper Name/Color

You can name Custom Paper Types 1 to 5 which you can select in [Paper Type] and Custom Paper Colors 1 to 5 which you can select in [Paper Color] of [Paper Tray Attributes].

You can use letters, numerals, and symbols of up to 24 characters for each name and color.

For example, you can use a name showing its usage, such as "Color" for colored paper, and "Covers" for bond paper.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Paper Tray Attributes

You can set the size and type of paper loaded in trays.

**Note**

- When the Envelope Tray is installed, select the [Envelope Feeder] check box on the [Tray 1] screen. Paper type, size, and color for the Envelope Tray will then be selectable in [Paper Type], [Paper Size], and [Paper Color].

For more information, refer to "Changing the Paper Settings" (P.56).

■ **Change Settings**

Select this button, if you change the paper size for the tray or the setting of auto paper selection.

When you load non-standard size paper in a tray, select [Custom Size], and specify the width and length. When you load standard size paper in a tray, select [Auto Detect].

**Important** • Align the paper guides against the paper to prevent paper jams or errors. If the machine cannot detect a tray, use Tray 5.

- Paper Type

  Select the type of paper to load in the trays.

For information about paper types available on the machine, refer to "Loadable Quantity and Weight for Supported Paper" (P.36).

- Paper Size

  When using Trays 1 to 4, you can load both standard size paper and non-standard size paper. When you load non-standard size paper, select [Custom Size], and then set the size in the X (width) direction and in the Y (length) direction. Set the size in X (width) direction between 182 and 432 mm and the Y (length) direction between 140 and 297 mm in 1 mm increments.

  Select [Auto Detect] to use the standard size paper.

- Paper Color

  Set the color of paper. The paper color selected here is displayed in as the paper color on the [Paper Supply] screen.

- Auto Paper Select

  Set the condition for Auto Paper selection. When the color mode selected is used, Auto Paper selection is enabled. Select from [All Colors], [Color], and [Black & White].

  Automatic tray selection means that a tray containing the appropriate paper is automatically selected by the machine for copying or printing.



### Customize Paper Supply Screen

Select whether the setting items specified in [Paper Size] or [Auto Paper Select] in [Paper Tray Attributes] are to be displayed on the [Paper Supply] screen.

■ **Disabled**

Does not display the items specified in [Paper Size].

■ **Size Detection**

Displays the setting in [Paper Size].

■ **Usage (Auto Paper Select)**

Displays the setting in [Auto Paper Select].

### Paper Tray Attributes on Setup Screen

Select whether or not to display [Paper Tray Attributes] in the [Setup] screen or not.

This setting allows you to select the size and type of paper without entering the System Administration mode.

### Paper Tray Attributes During Loading

Select whether or not to display the [Paper Tray Attributes] screen after the tray is pulled out or inserted in.

This setting applies to Trays 1 to 4. You cannot apply this setting to Tray 5.

### Paper Tray Priority

Set the priority of the trays to use when paper of the same size and the same orientation is set in the multiple trays or print data does not include the paper tray information for automatic tray selection.

Auto Paper selection means that a tray containing the appropriate paper is automatically selected by the machine for copying or printing.

This setting applies to Trays 1 to 4. You cannot set this setting to Tray 5.

**Note** • When a logical printer is used and if you specify the paper tray with the print driver, this setting will be ignored.

### Paper Type Priority

Set the priority of the trays to use when paper of the same size and the same orientation is set in the multiple trays for automatic tray selection.

Auto Paper selection means that a tray containing the appropriate paper is automatically selected by the machine for copying or printing.

You can set Plain paper, Bond paper, Recycled paper, Plain Reload paper, Heavyweight paper, Gloss paper, Heavyweight A paper, Heavyweight B paper, Heavyweight C paper, Heavyweight S paper, and Custom paper 1 to 5.

The paper type setting is prioritized over the paper tray priority settings.
If, however, different paper types appear in the same priority sequence, the paper is determined by paper tray priority sequence. The tray set to [Auto Paper Off] is not selected by automatic tray selection.

For more information about the tray priority sequence, refer to "Paper Tray Priority" (P.153).



### Tray 5 - Paper Size Defaults

Select the paper sizes displayed in the [Tray 5] screen in [Paper Supply] when copying with Tray 5.

You can assign the paper size selected here to the buttons for [Standard Size] in the [Tray 5] screen.

If you frequently use non-standard size paper for copying, assigning the paper sizes to the buttons will save your time to specify the size each time. For your convenience, set the commonly used paper sizes in the upper level.

#### ■ A/B Series Size

You can select a paper size from A and B series sizes.

#### ■ Inch Size

You can select a paper size from inch series sizes.

#### ■ Others

You can select a paper size from other sizes.

#### ■ Custom Size

You can enter any size. Set the X width between 98 and 483 mm, and the Y length between 89 and 297 mm in 1 mm increments.

### Auto Tray Switching Control

Set the alternative tray or paper when running out of paper loaded in the tray selected.

#### ■ Auto Tray Switching

You can select from [Always Enable], [Enable during Auto Select], and [Enable for Same Paper Type/Color].

When [Enable during Auto Select] is selected, the machine switches the tray when [Auto Select] is selected in the [Copy] screen or [Paper Select] of the print driver.

**Note** • The machine does not switch the tray automatically in the following cases:
- Tray 5 is selected.
- The tray set as [Auto Paper Off] is selected in [Paper Type Priority].

### ■ Targeted Paper Type (Copy Jobs)

You can select paper types.

When [According to Priority Assigned] is selected, the paper type is determined according to the settings in [Paper Type Priority]. When selecting [Selected Paper Type Only], you can specify the paper type.

### ■ Targeted Paper Color (Copy Jobs)

You can target all paper colors or only one paper color.

## Image Quality

You can specify the image quality processing method for each of Bond paper, Plain paper, Recycled paper, Plain Reload paper, Heavyweight paper, Heavyweight Reload paper, Extra Heavyweight paper, Extra Heavyweight Reload paper, Extra Heavyweight Plus paper, Extra Heavyweight Plus Reload paper, and Custom paper 1 to 5.

When copying or printing a document, the machine controls the image quality according to the type of paper set in [Image Quality] and the image quality processing method specified for that type of paper.

The following table shows available settings.

For information about paper characteristics and notes, refer to "Loadable Quantity and Weight for Supported Paper" (P.36).

| Setting values | Meaning |
|---|---|
| Plain A (60 - 79 gsm) | Default setting for plain paper. Paper having ream weight of 60 - 79 gsm. |
| Plain B (60 - 79 gsm) | Normally, do not select this value. |
| Plain C (60 - 79 gsm) | Default setting for recycled paper. Paper having ream weight of 60 - 79 gsm. |
| Plain D (80 - 89 gsm) | Paper having ream weight of 80 - 89 gsm. |
| Plain E (80 - 89 gsm) | Normally, do not select this value. |
| Plain F (90 - 105 gsm) | Default setting for bond paper. Paper having ream weight of 90 - 105 gsm. |
| Plain G (90 - 105 gsm) | Normally, do not select this value. |
| Plain S | For customized settings. |
| Heavyweight (HW) A (106 - 169 gsm) | Default setting for Heavyweight paper. Paper having ream weight of 106 - 169 gsm. |
| Heavyweight (HW) B (106 - 169 gsm) | For customized settings. |
| Heavyweight (HW) C (106 - 169 gsm) | For customized settings. |
| Heavyweight (HW) S (106 - 169 gsm) | Normally, do not select this value. |
| Heavyweight A Reload (106 - 169 gsm) | Default setting for Heavyweight Reload paper. The image quality is suitable for side 2 of the heavyweight A paper. |

| Setting values | Meaning |
|---|---|
| Heavyweight B Reload (106 - 169 gsm) | For customized settings. |
| Heavyweight C Reload (106 - 169 gsm) | For customized settings. |
| Heavyweight S Reload (106 - 169 gsm) | Normally, do not select this value. |
| Extra Heavyweight (X-HW) A (170 - 256 gsm) | Default setting for Extra Heavyweight paper. Paper having ream weight of 170 - 256 gsm. |
| Extra Heavyweight (X-HW) B (170 - 256 gsm) | For customized settings. |
| Extra Heavyweight (X-HW) C (170 - 256 gsm) | For customized settings. |
| Extra Heavyweight (X-HW) D (170 - 256 gsm) | For customized settings. |
| Extra Heavyweight (X-HW) S (170 - 256 gsm) | Normally, do not select this value. |
| Extra Heavyweight (X-HW) A Reload (170 - 256 gsm) | Default setting for Extra Heavyweight Reload paper. The image quality is suitable for side 2 of the Extra Heavyweight A paper. |
| Extra Heavyweight (X-HW) B Reload (170 - 256 gsm) | For customized settings. |
| Extra Heavyweight (X-HW) C Reload (170 - 256 gsm) | For customized settings. |
| Extra Heavyweight (X-HW) D Reload (170 - 256 gsm) | For customized settings. |
| Extra Heavyweight (X-HW) S Reload (170 - 256 gsm) | Normally, do not select this value. |



## Image Quality Adjustment

You can set the image quality and calibration settings.

### Image Quality

You can select the image quality processing method when the machine scans a document.

**■ Photo & Text Recognition**

Allows you to change a level with which the machine determines a document as text or photos. This setting is used when you select [Photo & Text] for [Original Type] on the [Image Quality] screen.

Selecting [More Text] enables the machine to easily recognize very fine print as text.

Selecting [More Photo] enables the machine to easily recognize halftone images from newspapers and advertisements as photos.

**■ Output Color Recognition**

Allows you to change a level from the five levels with which the machine determines a document as monochrome or color. This setting is used when you select [Auto Detect] for [Output Color] on the [Copy] screen.

Selecting [More Black & White] enables the machine to easily recognize monochrome documents.

Selecting [More Color] enables the machine to easily recognize color documents.

■ **Photo Reproduction Level**

When copying with [Original Type] in the [Image Quality] screen set to [Photo & Text], you can adjust the color reproduction level in the areas determined by the machine as photos.

Selecting [More Text] yields a bold copy effect, emphasizing the dense parts of an image.

Selecting [More Photo] soften the image gradation of the photo aspects of an image, enhancing the reproductivity of subtle colors.

■ **Background Suppression (Color Copy)**

Set the method of background suppression to be used when making color copies.

Background suppression is the function to detect the density of colors and suppress the scan of background colors when a document has background colors on colored paper.

Select [High Speed] to sample a section of the document and detect the background color.

Select [High Quality] to conduct a pre-scan, and sample the whole document to detect the background color.

**Important** • When you select [High Quality], and [Corner Shift] is selected in [Image Shift] with a ratio of 60% or less is specified in [Reduce/Enlarge], a part of the image may not be printed or blank paper may be output.

■ **Background Suppression (Black Copy)**

Set the method of background suppression to be used when making monochrome copies.

Background suppression is the function to detect the density of colors and suppress the scan of background colors when a document has background colors on colored paper.

Select [High Speed] to sample a section of the document and detect the background color.

Select [High Quality] to conduct a pre-scan, and sample the whole document to detect the background color.

**Important** • When you select [High Quality], and [Corner Shift] is selected in [Image Shift] with a ratio of 60% or less is specified in [Reduce/Enlarge], a part of the image may not be printed or blank paper may be output.

■ **Background Suppression (Scan Jobs)**

Set the method of background suppression to be used for scan operations.

Set how the machine detects density and deletes the background color.

Select [High Speed] to sample a section of the document and detect the background color.

Select [High Quality] to conduct a pre-scan, and sample the whole document to detect the background color.

■ **Image Enhancement**

Allows you to select whether to carry out image enhancement. If you select [On], the machine gives the image a smoother appearance when printed.

## Calibration

When color gradation of a printed image shifts, you can calibrate the color of the image to maintain the image quality of the machine at a certain level.

For more information, refer to "Executing Calibration" (P.93).

**Note** • If you cannot calibrate the machine to adjust for a shift in color gradation despite the periodic calibration, contact our Customer Support Center.

■ **Screen Type**

Select from [Copy Job], [Print Job 1], and [Print Job 2].

For more information about screen type, refer to "Executing Calibration" (P.93).

■ **Paper Supply**

Select a tray.

■ **Target**

Select from [Copy & Print Jobs], [Copy Jobs Only], [Print Jobs Only], and [None].

## Reports

You can configure settings related to printing reports.

### Print Reports Button

Set the display method of [Print Reports] under the [Machine Information] screen and [Error History Report] under the [Faults] screen displayed by pressing the <Machine Status> button.

If you select [Disabled], the [Print Reports] button under [Machine Status] > [Machine Information] and the [Error History Report] button under [Faults] are displayed only in the System Administration mode.

For information on Print Reports, refer to "Print Reports" (P.105).

For information on Error History Reports, refer to "Faults" (P.119).



### Job History Report

Select whether or not to automatically print a Job History Report when a total of 50 jobs have been processed. All jobs are automatically listed on the printed report.

For information on how to print a Job History Report manually, refer to "Print Reports" (P.105).

### Activity Report

Select whether or not to automatically print an Activity Report when a total of 100 communication results have been accumulated.

For information on an Activity Report, refer to "Activity Report" (P.659).

For information on how to print a Activity Report manually, refer to "Job Status/Activity Report" (P.105).

### Transmission Report - Job Undelivered

Select whether or not to automatically print a Transmission Report - Job Undelivered.

### Transmission Report - Job Deleted

Select whether or not to automatically print a Transmission Report - Job Deleted for a cancelled document.

### Folder Report

Select whether or not to automatically print a Folder Report.

### Broadcast/Multi-Poll Report

Select whether or not to automatically print a Broadcast Report and a Multi-Poll Report.

### Scan File Transfer Report

Select whether or not to print the report for data transmission results when the scanned data is transferred to the computer on the network or is sent via e-mail.

■ **No Report**

Does not print a report regardless of the data transmission result.

■ **Print Report**

Automatically prints a Transmission Report when data is sent successfully and a Transmission Report - Job Undelivered when data transmission failed.

■ **Print when delivery fails**

Prints a Transmission Report - Job Undelivered when the data transmission failed.

### Scan File Transfer Report (Fax Server)

Set whether to print a Transmission Report after scanned data is sent using the Server Fax feature.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

■ **No Report**

Does not print a report regardless of whether data transmission is successfully completed or not.

■ **Print Report**

Automatically prints a Transmission Report for a successful transmission and a Transmission Report (undelivered) for a transmission failure.

■ **Print when delivery fails**

Prints a Transmission Report (undelivered) for a transmission failure.

### 2 Sided Report

Select whether or not to print a report on one side of the paper or both sides when printing a report/list.

### Activity Report - Recipient

Select how the information on recipients is shown when printing an Activity Report: the first 40 characters or the last 40 characters.

### Job Flow Error Report

Select whether or not to automatically print a Job Flow Error Report.

## Maintenance

You can initialize or delete data from the hard disk of the machine.

### EP Diagnostic Request/Repair Request

When the EP system via the Internet is used, the machine contacts our Customer Support Center if a check or maintenance is required. Our service representative visits your place as required.

**Note** • The EP system may not be available in some regions. For more information, contact our Customer Support Center.

For information on the EP system, refer to "EP System" (P.667).

### Check EP Connection

This feature is used to check whether the communications between the machine and our Customer Support Center function normally when the EP system via the Internet is used.

**Note** • The EP system may not be available in some regions. For more information, contact our Customer Support Center.

For information on the EP system, refer to "EP System" (P.667).

### EP Registration

#### ■ BB Registration

Select [BB Registration] and then select [Start] to register the machine in the EP system.

#### ■ EPA Server Registration

After the BB registration, [EPA Server Registration] is automatically selected in accordance with your environment. When this feature is selected, enter the destination server IP of your EPA server and then select [Start] to register the machine in the EPA server.

### Initialize Hard Disk

Initializes the hard disk.

Data deleted by initialization includes supplementary fonts, ESC/P, and HP-GL/2 forms.

**Note** • The secure print documents and logs are not erased.

### Delete All Data

This feature is designed to prevent the leakage of confidential information of a customer when the machine is returned to Fuji Xerox. By executing [Start], all data registered on the machine is deleted.

Do not use this feature normally.

### Software Options

This feature is for service representative use. For more information, contact our Customer Support Center.

### Power on Self Test

Set whether or not to perform self test when the machine is turned on and started up.

If any abnormal condition such as intentional program modification is found during the program diagnosis, the machine stops starting up and records the information in the audit log.

**Note** • The information may not be recorded in the audit log depending on the status of program malfunction.

• If the machine does not start, contact our Customer Support Center.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

### Check Smart Card Details

When you select [Check Smart Card Details] and touch your smart card to the smart card reader, the information of the smart card appears on the touch screen.

**Note** • You can register the authentication information using CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

### Finisher Adjustment

This feature is displayed only when the Finisher-B1 (optional), the Booklet Maker Unit for Finisher-B1 (optional), or the Hole Punch Unit (optional) is installed.

#### ■ Hole Punch Tool

Specify either [2/4 Hole Punch] or [2/3 Hole Punch (US Specification)].

#### ■ Adjust Punch Position/Booklet Fold Position

Set the punch position and booklet fold position for paper smaller than B4 or larger than or equal to B4.

### Software Upgrade

When the EP system via the Internet is used, this feature is used to upgrade the software for the EP system when the version upgrade is required.

**Important** • After the downloading is finished, the machine automatically restarts and upgrades the software. After the machine restarts again and the [Services Home] screen is displayed, the software upgrade is completed.

**Note** • The EP system may not be available in some regions. For more information, contact our Customer Support Center.

For information on the EP system, refer to "EP System" (P.667).

1. Select [Software Upgrade].
2. Select [Start Upgrade].
3. Select [Yes].

The machine starts downloading the software.

### Adjust Paper Registration

Allows you to adjust the print image position vertically and horizontally.

You can enter from -2.0 to + 2.0, and select [Adjust] after entering the values. When you enter the amount in [Number of Sheets] and select [Sample Printout], the machine prints the sample in which the changed values are reflected.

### Delete All Certificates/Initialize Settings

Deletes all certificates stored in the machine and initializes the security settings associated with certificates. This feature is designed to use when you cannot use a certificate data in the machine because of an abnormality of certificate file even when the certificate is set to enabled for [SSL/TLS Settings] under [Connectivity & Network Setup] > [Security Settings].

### Quick Setup Home

Displays Install Wizard which requires configuring the items necessary when installing the machine.

You can configure the Screen/Button Setup, Network Setup, and Fax Setup.

For more information on setting items, refer to "Screen/Button Settings" (P.149), "Connectivity & Network Setup" (P.185), and "Fax Service Settings" (P.226).

## Watermark

Watermark is the function to print text or background pattern on the whole page to inhibit the replication of documents.

You can configure Watermark settings such as date or text, background pattern, and watermark to embed.

### Date Format

Set the format for printing dates. This setting is common to Annotation, Watermark, and Force Annotation.

Three date formats are available: YYYY/MM/DD, MM/DD/YYYY, and DD/MM/YYYY.

### Default Watermark Effect

Set the default type of text effect for Watermark.

■ **Off**

A text effect is not applied.

■ **Embossed**

When you re-copy a copied document with watermark, the text hidden in the background is printed as embossed text.

■ **Outline**

When you re-copy a copied document with watermark, the text hidden in the background is printed as white cutout.

### Default Watermark

Set watermark text.

You can select text from [Copy Prohibited], [Copy], [Duplicate], and the strings assigned to Custom Watermark 1 to 3.

For more information about custom text, refer to "Custom Watermark 1 to 3" (P.162).

### Font Size

Set the size of the text to be printed as the Watermark.

You can set the font size from 24 to 80 points in 1 point increments.

### Background Pattern

Set the background pattern to embed the text for the Watermark effect.

You can select from eight patterns: [Wave], [Circle], [Stripe], [Chain], [Beam], [Rhombic], [Sunflower], and [Fan].

### Font Color

Specify a hidden text color used for the Watermark feature.

You can select from [Black], [Magenta], and [Cyan].

**Note** • The hidden text color in fax transmission is black, regardless of the font color.

### Density

Select the text density of the Watermark.

You can select from [Lighten], [Normal], and [Darken].

### Watermark/Background Contrast

Set a contrast level for text and background for the Watermark.

You can select a level from 1 to 9. Select a contrast level, referring to the printed samples by selecting [Print this Sample List].

### Force Watermark - Copy

Set whether or not to forcibly use the Watermark feature when copying a document. When you select [On], the setting of [Watermark] in the [Output Format] screen is fixed to [On] and you cannot change the setting.

The user ID, machine ID, and data and time are printed.

**Note** • You can authorize a user to temporarily cancel force watermark printing. For more information, refer to "User Roles and Authorization Groups" (P.386).

### Force Watermark - Client Print

Set whether or not to forcibly use the Watermark feature when printing from a computer.

To prioritize the settings in the machine, select [Allow Device Settings to Override], and to prioritize the settings of the software such as TrustMarkingBasic (purchase separately) or the print server, select [Allow Client Settings to Override].

When you [Allow Device Settings to Override] is selected, the user ID, machine ID, and date and time are printed.

### Force Watermark - Print Stored File

Set whether or not to forcibly use the Watermark feature when printing from the folder.

The user ID, machine ID, and date and time are printed.

**Note** • You can authorize a user to temporarily cancel force watermark printing. For more information, refer to "User Roles and Authorization Groups" (P.386).



### Force Watermark - Media Print

Set whether or not to use the Watermark feature when printing for Media Print - Text and Photos.

The user ID, machine ID, and date and time are printed.

**Note** • You can authorize a user to temporarily cancel force watermark printing. For more information, refer to "User Roles and Authorization Groups" (P.386).

### Custom Watermark 1 to 3

Register text to be printed as the Watermark. You can enter up to 32 single-byte characters. The registered text is displayed at [Default Watermark].

For information about how to enter characters, refer to "Entering Text" (P.33).

### Print this Sample List

Prints hidden text samples of various densities. Select [Watermark/Background Contrast], referring to the print samples.

## Force Annotation

The string such as a user name and a date (Annotation) is forcibly printed out according to the layout template associated with each job type.

**Note** • When a watermark and/or a print universal unique ID is specified to a document, force annotation is overlapped.

The layout templates, Preset 1 to Preset 4, are provided with the machine. The printed items with the templates as follows:

- Preset 1 and Preset 2

  The string registered on [Create Text String 1] is printed as watermark at an angle in the center of paper.

The following items are printed at the bottom right for Preset 1 or bottom left for Preset 2 of paper.

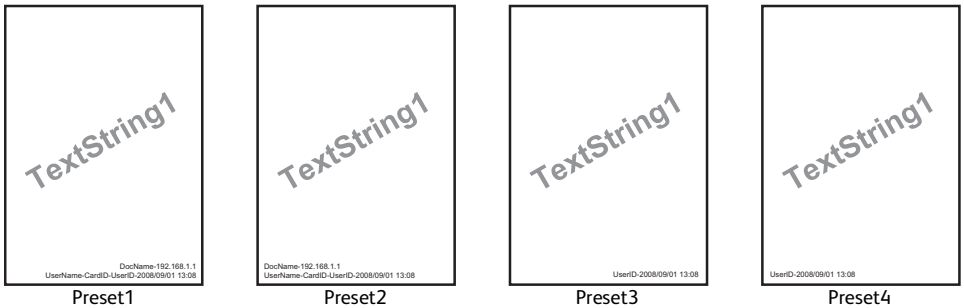
- first line: file name and the IP address of the computer that send a print job
- second line: user name, user ID, card ID, and date and time

- Preset 3 and Preset 4

  The string registered on [Create Text String 1] is printed as watermark at an angle in the center of paper.

  The following items are printed at the bottom right for Preset 3 or bottom left for Preset 4 of paper.

  - user ID and date and time




Preset1 Preset2 Preset3 Preset4

**Note**
- Some items may not be printed depending on the job type and performance conditions.
- Force annotation is not printed on a blank paper generated by the machine.
- When the Force Annotation is enabled, you cannot select [Auto Size Detect] for [Tray 5].
- A time printed as a watermark using the Force Annotation feature may differ from the time the print job is submitted depending on the status and settings of the machine and the contents of the print job. In this case, the print job start time is printed as a watermark.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Apply Layout Template to Copy/Print Jobs

Set the association between jobs and layout templates. You can associate layout templates with the following jobs:

- Copy
- Client Print
- Print Stored File
- Media Print
- Print Fax
- Print E-mail
- Report

**Note**
- You can associate a layout template with Client Print when a print job is sent from a computer.
- You can associate a layout template with Print Stored File when printing a file in a folder.

### Delete Layout Template

Deletes a layout template.

**Important**
- The provided layout templates, Preset 1 to Preset 4, cannot be deleted.

### Create Text String

Register text strings for the Force Annotation feature. You can register up to eight types of strings in [Create Text String 1] to [Create Text String 8]. You can enter up to 64 characters.

**Important** • The available text for the provided layout templates, Preset 1 to Preset 4, is the text strings registered in [Create Text String 1].

## Print Universal Unique ID

You can print UUIDs (Universal Unique IDs) for each print job to identify each job.

The printed UUIDs can be used as a search key to retrieve print job logs using an application, such as ApeosWare Log Management (sold separately) or ApeosWare Accounting Service (sold separately).

**Note** • You can authorize a user to temporarily cancel force watermark printing. For more information, refer to "User Roles and Authorization Groups" (P.386).

• If a layout template is specified in [Apply Layout Template on Copy/Print Jobs] under [Force Annotation], UUIDs are overlapped with the text on the layout template.

For details on Force Annotation, refer to "Force Annotation" (P.162).

### Print Universal Unique ID

Select whether or not to print Universal Unique IDs.

**Important** • If [Print Universal Unique ID] is set to [Yes], you cannot select [Auto Detect] for [Tray 5].



### Print Position

Select a print position from six positions: [Top Left], [Bottom Left], [Top Center], [Bottom Center], [Top Right], or [Bottom Right].

### Print Position Adjustment

Adjust print positions vertically and horizontally from 0 to 100 mm and from 0 to 200 mm respectively, in 0.5 mm increments.

**Note** • 0 mm is at the edge of paper. Increasing the value moves the print position toward the center of the paper. However, for [Top Center] or [Bottom Center], the horizontal value for the center of paper is set to 100 mm. Therefore, when you select [Top Center] or [Bottom Center], set the value to 100 mm and then specify desired value.

### Print Position (Side 2)

Select the position to print the UUID on Side 2 from [Same as Side 1] or [Mirror Side 1] when making 2 sided copies.

## Notify Job Completion by E-mail

You can receive the results of jobs performed, by an e-mail notification.

### Targeted Jobs

Select the service whose job result you want to receive by an e-mail notification. When the target job is already selected, [Selected] is displayed.

You can select more than one target job from [Copy], [Fax], [Scan], [Print], or [Report].

Select the notification timing from [Notify at the End of Job] or [Notify when Error Only].

### E-mail Addresses 1 to 5

Specify the e-mail addresses to notify the result of the jobs.

**Note** • When you select [Save] to exit this screen without specifying an e-mail address, the setting of [Targeted Jobs] or [E-mail Message] is deleted.

### E-mail Message

Enter a comment attached to the e-mail.

## Other Settings

You can configure other settings related to the machine.

### Fax Service

Switches between the Fax feature and the Server Fax feature.

**Note**
- This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.
- The Fax and Server Fax features cannot be enabled at the same time.

#### ■ Scan to Fax

Allows you to use the Fax feature on the machine.

#### ■ Scan to Fax Server

Allows you to use the Server Fax feature on the machine.

**Note**
- This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Offset Stacking (Center Tray)

Offsetting means that each set of copies is delivered to the center tray and shifted slightly to separate it from the previous job. When a set of copies is delivered to the front of the tray, the next set is delivered to the rear of the tray. Set the offset function for the Center Tray - Lower.

Select from [No Offset], [Offset per Set], and [Offset per Job]. When [Offset per Set] or [Offset per Job] is selected, the machine slightly shifts the output position per set or per job (print job) respectively.

### Offset Stacking (Center Tray - Lower)

Offsetting means that each set of copies is delivered to the center tray and shifted slightly to separate it from the previous job. When a set of copies is delivered to the front of the tray, the next set is delivered to the rear of the tray. Set the offset function for the Center Tray - Lower.

Select from [No Offset], [Offset per Set], and [Offset per Job]. When [Offset per Set] or [Offset per Job] is selected, the machine slightly shifts the output position per set or per job (print job) respectively.

### Offset Stacking (Right Middle Tray)

Offsetting means that each set of copies is delivered to the finisher tray and shifted slightly to separate it from the previous job. When a set of copies is delivered to the front of the tray, the next set is delivered to the rear of the tray. Set the offset function for the Right Middle Tray.

Select from [No Offset], [Offset per Set], and [Offset per Job]. When [Offset per Set] or [Offset per Job] is selected, the machine slightly shifts the output position per set or per job (print job) respectively.

**Note**
- This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Booklet Offset

When [Offset Stacking (Center Tray)] or [Offset Stacking (Right Middle Tray)] is set to [Offset per Set], the paper is output to the tray by being slightly displaced by set. If, however, [Fold & Staple] is selected for booklet settings, the paper is not output by set.

**Note**
- This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Extra Center Tray

Allows you to select whether or not to use the Extra Center Tray.

Select from [Not Installed] and [Installed].

### Auto Job Promotion

You can select whether or not to allow another job to automatically bypass the current job when the machine is unable to start an operation for any reason, (for example, running out of paper in a tray when starting copying or printing).

**Note**
- Stored documents such as Secure Print and Sample Set documents cannot be used with the Auto Job Promotion feature.
- When [Enabled] is selected and there is a job bypassed because of paper out, a message stating the reason of the job promotion appears. The job bypassed can be processed after you take proper measures by following the instruction of the message. Or, you can cancel the job by pressing the <Clear All> button. When multiple jobs are bypassed, a screen that lists the bypassed jobs appears. This screen allows you to display the details screen and to delete the jobs.



### Default Print Paper Size

You can set the paper size, A4 or 8.5 x 11" to print reports and/or lists.

### Odd Page 2 Sided

You can specify whether or not to add a blank page when a document containing an odd number of pages is printed in 2-sided.

### Paper Size Settings

You can specify the size of paper to be automatically detected when you use standard sizes of a document or the machine is set to detect sizes of a document.

You can select from the following tables: [A/B Series (8 x 13")], [A/B Series], [A/B Series (8K/16K)], [A/B Series (8 x 13"/8 x 14")], and [Inch Series].

Refer to the following tables for a combination of sizes that can be detected automatically.

| Paper size group | A/B series (8 × 13") | | | | | A/B series | | | | | A/B series (8 K / 16 K) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Loading position / Size/Orientation | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) |
| A6 | O | X | X | X | X | O | X | X | X | X | O | X | X | X | X |
| A5 | O | O | O | O | X | O | O | O | O | X | O | O | O | O | X |
| A5 | O | X | X | X | X | O | O | X | O | X | O | O | X | O | X |
| A4 | O | O | O | X | X | O | O | O | O | X | O | O | O | O | X |
| A4 | O | O | O | X | X | O | O | O | O | X | O | O | O | O | X |
| A3 | O | O | O | X | X | O | O | O | O | X | O | O | O | O | X |
| B6 | O | X | X | O | X | O | X | X | X | X | O | X | X | X | X |
| B6 | X | X | X | X | X | X | X | X | O | X | X | X | X | O | X |
| B5 | O | X | O | O | X | O | O | O | O | X | O | O | O | O | X |
| B5 | O | O | X | X | X | O | O | O | O | X | O | O | O | O | X |
| B4 | O | O | O | X | X | O | O | O | O | X | O | O | O | O | X |
| 5.5 × 8.5" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 5.5 × 8.5" | O | O | X | O | X | X | X | X | X | X | X | X | X | X | X |
| 7.25 × 10.5" | X | O | O | X | X | X | X | X | X | X | X | X | X | X | X |
| 8 × 10" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 8 × 10" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 8.5 × 11" | O | O | O | O | X | X | O | O | X | X | X | O | O | X | X |
| 8.5 × 11" | O | O | O | O | X | X | O | O | X | X | O | O | O | X | X |
| 8.5 × 13" | X | O | O | O | X | X | X | O | X | X | X | X | O | X | X |
| 8.5 × 14" | X | X | O | O | X | X | X | O | X | X | X | X | O | X | X |
| 11 × 17" | O | O | O | O | X | X | O | O | X | X | O | O | O | X | X |
| 12 × 18" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SRA3 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 16 K (Taiwan) | X | X | X | X | X | X | X | X | X | X | O | X | X | X | X |
| 16 K (Taiwan) | X | X | X | X | X | X | O | O | X | X | O | O | O | X | X |
| 8 K (Taiwan) | X | X | X | X | X | X | O | O | X | X | O | O | O | X | X |
| 16 K (mainland China) | X | X | X | X | X | X | X | X | X | X | O | X | X | X | X |
| 16 K (mainland China) | X | X | X | X | X | X | O | O | X | X | O | O | O | X | X |
| 8 K (mainland China) | X | X | X | X | X | X | O | O | X | X | O | O | O | X | X |

| Paper size group | A/B series (8 × 13") | | | | | A/B series | | | | | A/B series (8 K / 16 K) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Loading position / Size/Orientation | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) |
| Postcard (100 x 148 mm) | X | X | X | X | X | X | X | X | O | X | X | X | X | O | X |
| Envelopes (120 x 235 mm) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Commercial #10 envelopes | X | X | X | X | - | X | X | X | X | - | X | X | X | X | - |
| Monarch 7.3/4 envelopes | X | X | X | X | - | X | X | X | X | - | X | X | X | X | - |
| DL envelopes | X | X | X | X | - | X | X | X | X | - | X | X | X | X | - |
| C5 envelopes | X | X | X | X | - | X | X | X | X | - | X | X | X | X | - |
| Envelopes (162 x 229 mm) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Postcard (4 × 6") | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Photograph 2L (5 × 7") | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Postcard (6 × 9") | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

O :Available
X :Not available
- :Not detectable

**Note** • The size of paper set in the Envelope Tray cannot be detected automatically.

| Paper size group | A/B series (8 × 13" / 8 × 14") | | | | | Inch series | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Loading position / Size/Orientation | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) |
| A6 | O | X | X | X | X | O | X | X | X | X |
| A5 | O | O | O | O | X | O | X | X | X | X |
| A5 | O | X | X | X | X | O | X | X | X | X |
| A4 | O | O | O | X | X | O | O | O | X | X |
| A4 | O | O | O | X | X | O | O | O | X | X |
| A3 | O | O | O | X | X | O | O | O | X | X |
| B6 | O | X | X | O | X | O | X | X | X | X |
| B6 | X | X | X | X | X | X | X | X | X | X |
| B5 | O | X | O | O | X | O | X | O | X | X |
| B5 | O | O | X | X | X | O | X | X | O | O |
| B4 | O | O | O | X | X | O | O | O | X | X |
| 5.5 × 8.5" | X | X | X | X | X | X | O | O | X | X |
| 5.5 × 8.5" | O | O | X | O | X | O | O | X | O | X |
| 7.25 × 10.5" | X | O | O | X | X | X | O | O | X | X |
| 8 × 10" | X | X | X | X | X | X | X | X | X | X |
| 8 × 10" | X | X | X | X | X | X | X | X | X | X |
| 8.5 × 11" | O | O | O | O | X | O | O | O | O | X |
| 8.5 × 11" | O | O | O | O | X | O | O | O | O | X |
| 8.5 × 13" | X | O | O | O | X | X | X | O | O | X |
| 8.5 × 14" | X | X | O | O | X | X | O | O | O | X |
| 11 × 17" | O | O | O | O | X | O | O | O | O | X |
| 12 × 18" | X | X | X | X | X | X | X | X | X | X |
| SRA3 | X | X | X | X | X | X | X | X | X | X |
| 16 K (Taiwan) | X | X | X | X | X | X | X | X | X | X |
| 16 K (Taiwan) | X | X | X | X | X | X | X | X | X | X |
| 8 K (Taiwan) | X | X | X | X | X | X | X | X | X | X |
| 16 K (mainland China) | X | X | X | X | X | X | X | X | X | X |
| 16 K (mainland China) | X | X | X | X | X | X | X | X | X | X |

| Paper size group | A/B series (8 × 13" / 8 × 14") | | | | | Inch series | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Loading position / Size/Orientation | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) | Document glass | Document feeder | Trays 1 to 4 | Tray 5 | Tray 1 (Envelope Tray) |
| 8 K (mainland China) | X | X | X | X | X | X | X | X | X | X |
| Postcard (100 x 148 mm) | X | X | X | X | X | X | X | X | X | X |
| Envelopes (120 x 235 mm) | X | X | X | X | X | X | X | X | X | X |
| Commercial #10 envelopes | X | X | X | X | - | X | X | X | X | - |
| Monarch 7.3/4 envelopes | X | X | X | X | - | X | X | X | X | - |
| DL envelopes | X | X | X | X | - | X | X | X | X | - |
| C5 envelopes | X | X | X | X | - | X | X | X | X | - |
| Envelopes (162 x 229 mm) | X | X | X | X | X | X | X | X | X | X |
| Postcard (4 × 6") | X | X | X | X | X | X | X | X | O | X |
| Photograph 2L (5 × 7") | X | X | X | X | X | X | X | X | O | X |
| Postcard (6 × 9") | X | X | X | X | X | X | X | X | O | X |

O :Available
X :Not available
- :Not detectable

**Note** • The size of paper set in the Envelope Tray cannot be detected automatically.

### Millimeters/Inches

Allows you to select unit of measurement displayed on the screen from [Millimeters] or [Inches].

### Tray 1 Configuration

Allows you to select whether Tray 1 is used as the standard paper tray or is replaced with the Envelope Tray (optional). Select from [Standard Tray] and [Coupled as Envelope Feeder].

### Keyboard Input Restriction

Allows you to select whether or not to restrict the display of the virtual keyboard of the machine. To prevent characters from being garbled when switching character sets, you can limit input to ASCII characters. If you select [On (ASCII Only)], the keyboard displayed shows ASCII characters only.

## Operation of Up/Down Buttons

Allows you to whether or not to enable continuous scrolling when pressing the scroll buttons.

## Display Consumables Screen

Allows you to select whether or not to display the consumables status when a replacement is required.

### ■ Off

Does not display the consumables status screen.

### ■ When power is switched on

Displays the consumables status screen at startup.

### ■ When Auto Clear is activated

Displays the consumables status screen when Auto Clear is executed.

## Data Encryption

Allows you to select whether or not to encrypt data recorded on the hard disk of the machine.

When you enable data encryption, the machine encrypts automatically copy, scan, or print data written to the hard disk. You cannot select whether or not to encrypt by feature. This prevents unauthorized access to the stored data. To activate this feature, set an encryption key.

**Note** • An optional component is required to use this feature. For more information, contact our Customer Support Center.

1. Select [Data Encryption] and the [Change Settings].
2. Select [On].
3. Select [New Encryption Key], and enter an encryption key of 1 to 12 single-byte characters, and then select [Save].
4. Select [Re-enter Encryption Key], enter the same encryption key, and then select [Save].
5. Select [Save].

### ■ Data Restoration

The encrypted data cannot be restored in the following cases:

- When a problem occurs with the hard disk.
- When you have forgotten the encryption key.
- When you have forgotten the system administrator's user ID and a passcode when [On] is selected in [Service Rep. Restricted Operation].

### ■ Starting the Data Encryption and Changing Settings

When you select/deselect data encryption or change the encryption key, you must restart the machine. When the machine reboots, the machine initializes part of the disk area. The previous data is not secured.

The disk area stores the following data.

- Spooled print data
- Print data including Secure Print and Sample Set

- Forms for the Form Overlay feature
- Folder and job flow sheet settings (folder name, passcode, etc.)
- Files in folders
- Address book data

**Important**
- Be sure to save all necessary settings and files before using data encryption or changing any settings.
- Make sure that the hard disk and encryption settings match. Otherwise, an error will occur. For information on error messages and their remedies, refer to "Other Errors" (P.546).
- The following procedure is recommended for changing the encryption settings while a large amount of data (100 jobs or more) is stored in a folder, and [Number of Overwrites] is set to [1 Overwrite] or [3 Overwrites] under [Overwrite Hard Disk].
  1. Select [Tools] > [Setup] > [Create Folder] to display the [Create Folder] screen.
  2. Select the folder, and then select [Delete Folder].
  3. Select [Close].
  4. Press the <Machine Status> button, and confirm that [Standby] in [Overwrite Hard Disk] is displayed.
  5. Enter the System Administration mode, and change the data encryption settings.
     For information on how to enter the System Administration mode, refer to "System Settings Procedure" (P.126)
- Our service representative cannot restore the encryption key.
- When our service representative replaces the electrical circuit board, the encryption key is initialized. Do not lose the encrypted information.



## Encryption Key for Confidential Data

Allows you to set an encryption key to encrypt confidential information such as the passcode of the system administrator and a folder. Encrypting confidential information prevents a network hacking and an unauthorized access to the information.

Enter an encryption key of 4 to 12 single-byte characters using alphanumeric characters.

**Important**
- If you change the existing encryption key, you may not restore confidential information from a backup.

**Note**
- The factory default encryption key is "x-admin".

1. Select [Encryption Key for Confidential Data], and then [Change Settings].
2. Select [New Encryption Key], and enter an encryption key, and then select [Save].
3. Select [Re-enter Encryption Key], enter the same encryption key, and then select [Save].
4. Select [Save] to display a confirmation screen. Select [Yes] on the screen to save the setting.

## Service Rep. Restricted Operation

Allows you to select whether or not to restrict the operation by our service representative to protect the security settings from being altered by someone impersonating our service representative.

### ■ Off

The operation by our service representative is not restricted.

### ■ On

Our service representative cannot change the following settings:

- "Delete All Data" (P.159)
- "Print Universal Unique ID" (P.164)

- "Data Encryption" (P.171)
- "Encryption Key for Confidential Data" (P.172)
- "Service Rep. Restricted Operation" (P.172)
- "SSL/TLS Settings" (P.206)
- "S/MIME Settings" (P.207)
- "IPSec Settings" (P.209)
- "System Administrator Settings" (P.279)
- "Maximum Login Attempts by System Administrator" (P.285)
- "Overwrite Hard Disk" (P.288)
- Creating/Changing Users with System Administrator Rights
- Changing SNMP v3 Setting

When [On] is set, you can set a maintenance passcode of 4 to 12 digits in the [Maintenance Passcode] screen.

Entering the passcode is required when our service representative performs maintenance.

**Important** • When [On] is set, be sure the followings:
- If you lose the system administrator's user ID and passcode, the items restricted to the service representative cannot be changed.
- If you lose the passcode, our service representative cannot perform maintenance in the case when an error occurs in the machine.

To change the restricted items or perform maintenance, the electric circuit board of the machine must be replaced.
You will be charged for the electrical circuit board and handling cost.
Be sure not to lose the system administrator's user ID and passcode.

**Note** • An optional component is required to use this feature. For more information, contact our Customer Support Center.

For information on the system administrator permissions, refer to "User Roles" (P.386).

### Software Download

You can select whether or not to permit software downloading. This feature is for service representative use. For more information, contact our Customer Support Center.

### Restrict Recipient Selection Method

Allows you to select whether or not to restrict a fax/Internet fax or an e-mail transmission to addresses not registered on the Address Book.

Selecting [Only From Address Book] disables address entry using the keyboard or numeric keypad, and permits only transmission to addresses registered on the Address Book.

**Note** • You can also give users authority to deactivate [Restrict Recipient Selection Method]. For more information, refer to "User Roles and Authorization Groups" (P.386).

### Restrict User to Edit Address Book

Specify whether or not to permit local users to add and edit recipients in the Address Book.

When you select [Yes], local users cannot add or edit the Address Book.

**Note** • You can also give users authority to deactivate [Restrict User to Edit Address Book]. For more information, refer to "User Roles and Authorization Groups" (P.386).

### Auto Validation of Speed Dial Entry

Allows you to select whether the machine automatically validate the number when you use speed dial. When you select [Validate entry after a fixed time], you can select the time to auto-validation from [Shorter], [Default], or [Longer].

**Note** • This feature does not appear for some models.

## Data Indicator

Allows you to set the lighting pattern of the <Data> indicator.

### ■ Pattern 1

Lights up when a document is stored in the hard disk (optional) of the machine.

### ■ Pattern 2

Lights up when a fax document is in a print queue or a fax received with the Store Fax - Local Folder feature is stored in the folder.

### ■ Pattern 3

Lights up for 30 seconds after a job in the print queue is printed.

# Copy Service Settings

In [Copy Service Settings], you can configure settings related to the Copy feature. The following shows the reference section for each procedure.

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*1* On the [Tools] screen, select [Copy Service Settings].

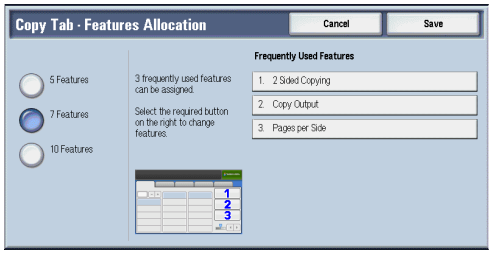
For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

*2* Select an item to set or change.

## Copy Tab - Features Allocation

You can customize the features displayed on the [Copy] screen. Setting the most frequently used features enables you to avoid extra operations such as selecting tabs.

*1* Select the number of features displayed on the [Copy] screen.




### ■ 5 Features

The following five features are shown on the screen: [Output Color], [Reduce/Enlarge], [Paper Supply], [2 Sided Copying], and [Copy Output]. Features and positions displayed cannot be changed.

### ■ 7 Features

Allows you to set features appearing in the fourth column from the left of the [Copy] screen.

**Note** • [Output Color], [Reduce/Enlarge], and [Paper Supply] cannot be specified.

### ■ 10 Features

Allows you to set features appearing in the third and fourth columns from the left of the [Copy] screen.

**Note** • [Reduce/Enlarge] and [Paper Supply] cannot be specified.

*2* From [Frequently Used Features] on the right of the screen, select a button and the position of the button where you want to allocate a feature.

**Note** • The position of each button on the right side corresponds to the position on the [Copy] screen.

3 Select a feature to display, and select [Save].

**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.

4 Repeat steps 2 and 3 as required.

5 Select [Save].

## Preset Buttons

### Paper Supply - Button 2 - 5

Select the paper tray displayed in the second to fifth buttons in [Paper Supply] on the [Copy] screen.

### Reduce/Enlarge - Button 3 - 4

Select the magnification ratio displayed in the third to fourth buttons in [Reduce/Enlarge] on the [Copy] screen.

Select the ratio from the Reduce/Enlarge Preset buttons registered.

### Front Cover Tray - Button 1 - 3

Set the default value of the tray displayed in [Paper Supply] when an option that printed on Front Cover is selected for [Front Cover] under [Output Format] > [Covers].

### Back Cover Tray - Button 1 - 3

Set the default value of the tray displayed in [Paper Supply] when an option that printed on Back Cover is selected for [Back Cover] under [Output Format] > [Covers].

## Copy Defaults

You can set the default settings of the Copy feature. When the machine is turned on, or the machine exits the Energy Saver mode, or when the <Clear All> button is pressed, the machine resets to the default values set here. Setting frequently used features and values as the defaults can avoid extra operations required during the use of the machine.

For more information on each setting item, refer to "3 Copy" in the User Guide.

### Paper Supply

Set the default value for [Paper Supply] in the [Copy] screen.

When the default value of [Reduce/Enlarge] is set to [Auto %], [Auto Select] cannot be selected for [Paper Supply].

### Reduce/Enlarge

Set the default value for [Reduce/Enlarge] in the [Copy] screen.

Select the ratio from [100%], [Auto %], and the buttons registered as Reduce/Enlarge Preset buttons.

When the default value of [Paper Supply] is set to [Auto Select], [Auto %] cannot be selected for [Reduce/Enlarge].

For information on Reduce/Enlarge Preset buttons, refer to "Reduce/Enlarge Presets" (P.184).

### Output Color

Set the default value for [Output Color] in the [Copy] screen.

When [No Default] is selected, select the output color in the [Copy] screen before making copies.

### Output Color (Simple Copy)

Set the default value for [Output Color] in the [Simple Copy] screen. You can select from [Auto], [Color], and [Black & White].

### Single Color

Set the default value for [Single Color] in [More...] of [Output Color] in the [Copy] screen. You can select a color from six preset colors and six custom colors.

For information about custom colors, refer to "Custom Colors" (P.184).

### Dual Color - Source Color

Set the default value for [Source Color] that appears when [Dual Color] is selected for [More...] of [Output Color] in the [Copy] screen.

Selecting [Color] enables you to select a color from six colors.

### Dual Color - Target Area Color

Set the default value for [Target Area Color] that appears when [Dual Color] is selected for [More...] of [Output Color] in the [Copy] screen. You can select a color from seven preset colors and six custom colors.

For information about custom colors, refer to "Custom Colors" (P.184).

### Dual Color - Non-target Area Color

Set the default value for [Non-target Area Color] that appears when [Dual Color] is selected for [More...] of [Output Color] in the [Copy] screen. You can select a color from seven preset colors and six custom colors.

For information about custom colors, refer to "Custom Colors" (P.184).

### Original Type

Set the default value for [Original Type] on the [Image Quality] screen.

### Original Type - Auto (Non-Black & White)

Set the default value for [Original Type] on the [Image Quality] screen.

This is valid when a color other than [Black & White] is selected for [Output Color] in the [Copy] screen.

### Original Type - Auto (Black & White)

Set the default value for [Original Type] in the [Image Quality] screen.

This is valid when [Black & White] is selected for [Output Color] in the [Copy] screen.

### Lighten/Darken

Set the default value for [Lighten/Darken] of [Image Options] in the [Image Quality] screen.

### Contrast

Set the default value for [Contrast] of [Image Enhancement] in the [Image Quality] screen.

### Sharpness

Set the default value for [Sharpness] of [Image Options] in the [Image Quality] screen.

### Saturation

Set the default value for [Saturation] of [Image Options] in the [Image Quality] screen.

### Background Suppression

Set the default value for [Suppress Background] of [Image Enhancement] in the [Image Quality] screen.

[Background Suppression] is valid when [Original Type] is set to [Photo & Text], [Text], or [Maps].

### Color Balance - Yellow / Color Balance - Magenta / Color Balance - Cyan / Color Balance - Black

Set the default density levels for the [Color Balance] in the [Image Quality] screen.

You can set density levels of each color for each of the [Highlights], [Midtones], and [Shadows].

**Note**
- Depending on the density level settings, [Color Balance] in the [Image Quality] screen is set as follows:
  - When the density levels of all colors are set to [0,0,0], [Color Balance] in the [Image quality] screen is set to [Normal].
  - When the same value is set to all levels for each color (for example: [0,0,0] or [1,1,1]), [Color Balance] in the [Image Quality] screen is set to [Basic Color].
  - When the settings other than the ones described above are applied, [Color Balance] in the [Image Quality] screen is set to [Advanced Color].



### Color Shift

Set the default value for [Color Shift] in the [Image Quality] screen.

### 2 Sided Copying

Set the default value for [2 Sided Copying] in the [Copy] screen, [Layout Adjustment], and [Output Format] screens.

### Mixed Size Originals

Set the default value for [Mixed Size Originals] in the [Layout Adjustment] screen.

### Edge Erase - Top Edge

Set the default value for the amount of edge erased from the original in the top directions in [Edge Erase] in the [Layout Adjustment] screen. Set the value from 0 to 50 mm in 1 mm increments.

**Note**
- You cannot copy the whole area even if you set [0] to [Edge Erase - Top Edge]. For the printable area, refer to "Printable Area" (P.574).

### Edge Erase - Bottom Edge

Set the default value for the amount of edge erased from the original in the bottom directions in [Edge Erase] in the [Layout Adjustment] screen. Set the value from 0 to 50 mm in 1 mm increments.

**Note**
- You cannot copy the whole area even if you set [0] to [Edge Erase - Bottom Edge]. For the printable area, refer to "Printable Area" (P.574).

### Edge Erase - Left Edge

Set the default value for the amount of edge erased from the original in the left directions in [Edge Erase] in the [Layout Adjustment] screen. Set the value from 0 to 50 mm in 1 mm increments.

**Note** • You cannot copy the whole area even if you set [0] to [Edge Erase - Left Edge]. For the printable area, refer to "Printable Area" (P.574).

### Edge Erase - Right Edge

Set the default value for the amount of edge erased from the original in the right directions in [Edge Erase] in the [Layout Adjustment] screen. Set the value from 0 to 50 mm in 1 mm increments.

**Note** • You cannot copy the whole area even if you set [0] to [Edge Erase - Right Edge]. For the printable area, refer to "Printable Area" (P.574).

### Center Erase/Binding Edge Erase

Set the default value for [Center] in [Edge Erase] in the [Layout Adjustment] screen. Set the value from 0 to 50 mm in 1 mm increments.

**Note** • You cannot copy the whole area even if you set [0] to [Center Erase/Binding Edge Erase]. For the printable area, refer to "Printable Area" (P.574).

### Edge Erase - 2 Sided Original - Side 2

Set the default value for [2 Sided Original - Side 2] of [Edge Erase] in the [Layout Adjustment] screen.

### Image Shift - Side 1

Set the default value for [Side 1] of [Image Shift] in the [Layout Adjustment] screen.

### Image Shift - Side 2

Set the default value for [Side 2] of [Image Shift] in the [Layout Adjustment] screen.

### Image Rotation

Set the default value for [Image Rotation] in the [Layout Adjustment] screen.

### Image Rotation - Rotation Direction

Set the default value for [Image Rotation - Rotation Direction] of [Image Rotation] in the [Layout Adjustment] screen.

### Original Orientation

Set the default value for [Original Orientation] in the [Layout Adjustment] screen.

### Pages per Side

Set the default value for [Pages per Side] in the [Copy] and [Output Format] screens.

### Copy Output

Set the default value for [Copy Output] in the [Copy] and [Output Format] screens.

### Uncollated - Default Separator Tray

Set the default value for [Separators Tray] under [Copy Output] > [Uncollated with Separators] in the [Copy] and [Output Format] screens.

### Output Destination

Set the default value for [Output Destination/Offset] under [Copy Output] in the [Copy] and [Output Format] screens.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Output Destination (Simple Copy)

Set the output destination when you start copying from the [Simple Copy] screen.

**Note**
- If paper cannot be output to the tray you set, the destination may be changed automatically.
- When the [Simple Copy] screen is displayed, you can confirm the output destination on the [Review] screen which is displayed by pressing the <Review> button. For information on the <Review> button, refer to "2 Product Overview" > "Control Panel" in the User Guide.

### Sample Job

Set the default value for [Sample Job] in the [Job Assembly] screen.

### Annotations - Stored Comment

Set the default value for [Stored Comments] displayed when [Comment] is selected for [Annotations] in the [Output Format] screen.

You can select a comment type from eight preset types and custom text registered.

For information about how to set custom text, refer to "Annotations - Create Comments" (P.184).

### Annotations - Comment on Side 1 and Side 2

Set the default value for [Position] displayed when [Comment] is selected for [Annotations] in the [Output Format] screen.

### Annotations - Comment - Font Size

Set the default value for [Font Size] under [Format & Style] displayed when [Comment] is selected for [Annotations] in the [Output Format] screen.

### Annotations - Comment - Font Color

Set the default value for [Font Color] under [Format & Style] displayed when [Comment] is selected for [Annotations] in the [Output Format] screen.

### Date - Position on Side 1 and Side 2

Set the default value for [Position] displayed when [Date Stamp] is selected for [Annotations] in the [Output Format] screen.

### Date - Font Size

Set the default value for [Font Size] under [Font Size] displayed when [Date Stamp] is selected for [Annotations] in the [Output Format] screen.

### Page Numbers - Style

Set the default value for [Style] displayed when [Page Numbers] is selected for [Annotations] in the [Output Format] screen.

### Page Numbers - Position on Side 1 and Side 2

Set the default value for [Position] displayed when [Page Numbers] is selected for [Annotations] in the [Output Format] screen.

### Page Numbers - Font Size

Set the default value for [Font Size] under [Font Size] displayed when [Page Numbers] is selected for [Annotations] in the [Output Format] screen.

### Bates Stamp - Number of Digits

Set the default value for [Number of Digits] displayed when [Bates Stamp] is selected for [Annotations] in the [Output Format] screen.

### Bates Stamp - Position on Side 1 and Side 2

Set the default value for [Position] displayed when [Bates Stamp] is selected for [Annotations] in the [Output Format] screen.

### Bates Stamp - Font Size

Set the default value for [Font Size] under [Font Size] displayed when [Bates Stamp] is selected for [Annotations] in the [Output Format] screen.

### Booklet Creation - Default Cover Tray

Set the default value for [Covers] which is displayed when you select a Cover page option in the [Booklet Creation] screen.

### Covers - Default Front Cover Tray, Default Back Cover Tray

Set the default value for [Front Cover] and [Back Cover] which are displayed when you select Front Cover and Back Cover options in the [Covers] screen.

### Separators - Default Separator Tray

Set the default value for [Segment Separator Tray] under [Segment Separators] which is displayed when you set [Build Job] to [On] in the [Job Assembly] screen.



## Copy Control

You can configure settings related to copy operation control.

### Memory Full Procedure

If there is insufficient hard disk memory while scanning a document, a screen appears asking you how you want to handle the partially stored data.

Set the process you want the machine to perform for the partially stored data after a certain time has elapsed in the confirmation screen.

You can set the time until the memory full procedure is carried out. For more information, refer to "Auto Job Release" (P.145).

■ **Delete Job**

Deletes the data partially stored.

■ **Run Job**

Treats the read-in data as valid, and start copying the document partially stored.

### Maximum Stored Pages

Set the maximum number of pages stored for a copy document. You can set from 1 to 999 pages.

### Auto Paper Off

Select the tray used when [Auto Select] of [Paper Supply] in the [Copy] screen is cancelled. [Auto Select] of [Paper Supply] is cancelled when [Auto %], [Auto X-Y %] for [Independent X-Y %], or [Slight Reduction (Improves Fit)] is selected.

### Mixed Size Originals - 2 Sided Copy

Specify paper to copy side 2 of a document: in 2 sided copying, if the size of side 1 and side 2 of a document is different, and the machine detects different paper size for sides 1 and 2.

**Important** • When the side 1 and side 2 are different sizes and if the side 2 is copied on the sheet on which the side 1 has been printed, a part of the image may be missing.

■ **Copy to new sheet**

Side 2 is copied as side 1 on a new sheet of paper.

■ **Copy to Side 2**

Side 2 is copied on the reverse side of side 1 without changing paper size.

### Fine-tune 100%

You can fine-tune magnification when copying at 100 % (actual size). The set value is applied to [100 %] in the [Copy] screen is set to 100 %.

Set the value in the X/Y direction between 98 and 102 % in 0.1 % increments.

**Important** • This feature is applied only when a copy is made using the document glass. This setting is not reflected in the magnification (100 %) under [Independent X-Y %] or [Calculator %].

**Note** • A magnification displays [100 %] even if [Fine-tune 100 %] is selected.

### ID Card Copy - Reduce/Enlarge

Set the copy magnification ratio when to copy ID cards. Selecting [Allow to Change] allows you to specify the ratio between 25 to 400 % in 1 % increments.

**Note** • The machine may copy an ID card in a different orientation from the original orientation depending on the magnification ratio you specified.



### Background Suppression (Photo & Text)

Set the background suppression level for color copying. This setting is valid when [Photo & Text] is selected for [Original Type] in the [Image Quality] screen.

The larger the value, the stronger the effect of removing background noise.

### Background Suppression Level (Text)

Set the background suppression level for color copying. This setting is valid when [Text] is selected for [Original Type] in the [Image Quality] screen.

The larger the value, the stronger the effect of removing background noise.

### Photo & Text /Printed Original

Set the type of document when [Printed Original] of [Photo & Text] is selected for [Original Type] in the [Image Quality] screen.

■ **Normal**

Copies with standard image quality.

■ **Inkjet Originals**

Select [Inkjet Originals] when copying a document printed with an inkjet printer. This improves the recognition of inkjet colors.

■ **Highlighted Originals**

Select [Highlighted Originals] when copying an original marked with a highlight pen. This improves the recognition of the colors of highlight pen.

### Original Type - See-Through Paper

When [Text] is selected for [Original Type] in the [Image Quality] screen, set whether or not to display [Text on See-Through Paper].

### Annotations - Comment Density

Set the translucency of the comment printed as annotation.

You can select a translucency value from [Darken], [Normal], and [Lighten]. Darken represents no translucency.

**Note** • If a stamp set to [Darken] density is printed over text, the text may be unreadable.

### Comment Position - Top Left, - Top Center, - Top Right, - Left Center, - Center, - Right Center, - Bottom Left, - Bottom Center, and - Bottom Right

You can adjust the position to print a comment finely.

### Date Position - Top Left, - Top Center, - Top Right, - Bottom Left, - Bottom Center, and - Bottom Right

You can adjust the position to print a date stamp finely.

### Page Number Position - Top Left, - Top Center, - Top Right, - Bottom Left, - Bottom Center, and - Bottom Right

You can adjust the position to print a page number finely.

### Bates Stamp - Top Left, - Top Center, - Top Right, - Bottom Left, - Bottom Center, and - Bottom Right

You can adjust the position to print a bates stamp finely.

### Quantity Display

You can select how you want to display the counter in the Copy service.

Select from [Quantity], [Quantity and Memory], and [Quantity and Original Count].

### Maximum Number of Sets

Set the maximum number of allowed sets to copy between 1 and 999. Users will not be able to specify a larger number of sets to copy than the value set here.

## Original Size Defaults

Set the original sizes displayed in [Original Size] in the [Layout Adjustment] screen.

You can assign original sizes to the buttons other than [Auto Detect].

If you frequently make copies of non-standard size document, setting non-standard size as the default can avoid extra operations required during the use of the machine.

#### ■ A/B Series Size

You can select a size from A and B series sizes.

#### ■ Inch Size

You can select a size from inch series sizes.

#### ■ Others

You can select a size from other sizes.

#### ■ Custom Size

You can enter any size. Set the width (X) from 15 to 432 mm, and the height (Y) from 15 to 297 mm in 1 mm increments.

## Reduce/Enlarge Presets

Set the magnifications displayed as [Preset %] which are displayed when [Proportional %] is selected under [Reduce/Enlarge] in the [Copy] screen.

You can assign any magnification to the Reduce/Enlarge Preset buttons other than [100%] and [Auto %].

## Custom Colors

Set the custom colors used for [Single Color] and [Dual Color] in the [Output Color] screen.

You can assign custom colors with yellow (0 to 100%), magenta (0 to 100%), and cyan (0 to 100%) to each custom color buttons 1 to 6.

**Note** • Adjust so that the total of yellow, magenta, and cyan does not exceed 240%.

## Annotations - Create Comments

Register text to print with [Comment] under [Annotation]. You can enter up to 64 single-byte characters.

For information about how to enter characters, "Entering Text" (P.33).

# Connectivity & Network Setup

In [Connectivity & Network Setup], you can configure settings related to the Connectivity & Network feature.

For information on Connectivity and Network Settings, refer to "Printer Environment Settings" (P.299) or "E-mail Environment Settings" (P.317).

If you use CentreWare Internet Services, more detailed settings are possible. For more information, refer to "CentreWare Internet Services Settings" (P.291).

The following shows the reference section for each setting.

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***1*** On the [Tools] screen, select [Connectivity & Network Setup].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

***2*** Select an item to set or change.

## Port Settings

Set the interface of the machine connected to a client. In [Port Settings], you can configure the following settings.

**Important** • For LPD, Port9100, HTTP-SSL/TLS, and SIP, do not use a number that is the same as a port number of another port.
For a port that uses HTTP (IPP, Internet Services (HTTP), UPnP Discovery, SOAP, WebDAV, and Web Services on Devices (WSD)), do not use a number that is the same as a port number of LPD, Port9100, and HTTP-SSL/TLS.
Furthermore, if any of the above are set to one of the port numbers indicated below, operation may no longer be performed properly depending on the setting conditions of the port:
25, 139, 427, 445, 631, 15000

For information on HTTP-SSL/TLS port, refer to "HTTP - SSL/TLS Port Number" (P.206).

### USB

■ **Port Status**

Select [Enabled] to use a USB interface.

■ **Print Mode**

Select the printer language use on the machine. Selecting [Auto] enables the machine to automatically determine and use the most suitable language to print data received from the host device.

■ **PJL**

PJL (Printer Job Language) is a job control language and a PJL command is data prepended to the top of the print jobs. Usually select [Enabled].

■ **Auto Eject Time**

Configure the time that the data so far received by the machine will automatically be printed since data is no longer sent to the printer.
You can enter a time between 5 and 1275 seconds in 5 seconds increments.

■ **Adobe Communication Protocol**

- Standard

Select this when the output protocol of the print driver is in the ASCII format.

- Binary

Select this when the output protocol of the print driver is in the BCP format.

- TBCP

Select this when the output protocol of the print driver is in the TBCP format.

- RAW

Select this when the output protocol of the print driver is in the ASCII or binary format.

The data is printed without being controlled by the Adobe communication protocol.

■ **PostScript Wait Timeout**

The machine automatically terminates a connection when the machine does not receive data for a certain period of time. When data is being printed with [RAW] is selected for [Adobe Communication Protocol], select [Disabled] if you want to use the time period set in [Auto Eject Time] or select [Enabled] if you want to use the timeout period of PostScript.

## LPD

■ **Port Status**

Select [Enabled] to use LPD.

■ **Port Number**

Enter a port number for LPD from 1 to 65535.

The default value is 515.

**Important** • Do not use the numbers assigned to the other ports.

■ **Maximum Number of Sessions**

Enter the maximum number of client sessions using LPD. You can enter a number from 1 to 10 in 1 session increments.

The default value is 5.

## NetWare

■ **Port Status**

Select [Enabled] to use NetWare.

## SMB

### ■ Port Status

Select [Enabled] to use SMB when you use the Scan to PC (SMB) service or share the machine on the network.

## IPP

### ■ Port Status

Select [Enabled] to use IPP.

Set this when you want to use IPP (Internet Printing Protocol) to print via the Internet.

### ■ Added Port Number

Select [Disabled] when you want to set the machine does not accept IPP from other than the standard port number, or select [Enabled] when accepts all port numbers.

Enter a port number for IPP other than the standard port number from 1 to 65535.
To disable this option, enter "0".

The default value is 80.

**Important** • Do not use a number that is the same as a port number of another port. However, you can use the same port number for a port that uses HTTP (IPP, Internet Services (HTTP), UPnP Discovery, SOAP, WebDAV, and Web Services on Devices (WSD)).

**Note** • [Added Port Number] cannot be configured if [Port Status] is set to [Disabled].
To configure [Added Port Number], enable port status and reboot the machine, and then configure [Added Port Number].

## EtherTalk

### ■ Port Status

Select [Enabled] to use EtherTalk.

**Note** • The Adobe PostScript 3 Kit (optional) is required.

## Bonjour

### ■ Port Status

Select [Enabled] to use Bonjour.

**Note** • The Adobe PostScript 3 Kit (optional) is required to use the port. However, for Mac OS X 10.4.11 or later, you can use the port without the Adobe PostScript 3 Kit (optional).

• To print from a printer detected by [Bonjour], the LPD port must be activated in advance.

## Port 9100

### ■ Port Status

Select [Enabled] to use Port9100.
Select this option when the communication protocol is in RAW format for Windows Standard TCP/IP port monitor.

### ■ Port Number

Enter a port number for Port9100 from 1 to 65535.

The default value is 9100.

**Important** • Do not use the numbers assigned to the other ports.

### SNMP

■ **Port Status**

Select [Enabled] to use SNMP, when you use any web applications manufactured by Fuji Xerox to control the machine on the network.

### SIP

■ **Port Status**

Select [Enabled] to use SIP, when you use IP fax (SIP) transmission.

■ **Port Number**

Enter a port number for use IP fax (SIP).

The default value is 5060.

**Important** • Do not use any numbers assigned to other ports.

**Note** • IP fax (SIP) is not available for some models.

### FTP Client

■ **Port Status**

Select [Enabled] when you use the Scan to PC service with FTP transmission.

**Note** • Select a communication mode to send data scanned via FTP from [Passive Mode] and [Active Mode]. [Passive Mode] is selected by factory default. You can change the setting from CentreWare Internet Services.

### Receive E-mail

■ **Port Status**

Select [Enabled] when you receive e-mails and Internet faxes.

### Send E-mail

■ **Port Status**

Select [Enabled] when you send e-mails and Internet faxes.

### E-mail Notification Service

■ **Port Status**

Select [Enabled] when you use the E-mail Notification Service. The E-mail Notification Service notifies you of the machine status or the completion of a print job, and a direct fax job by e-mail.

**Note** • [Consumables Status], [Parts Status], [Paper Tray Status], [Output Tray Status], [Jam Status], [Interlock Status], and [Fault Notice] are notified as the machine status.

• You can configure the E-mail Notification Service in CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

### UPnP Discovery

■ **Port Status**

Select [Enabled] to use UPnP.

■ **Port Number**

Enter a port number for UPnP communication from 1 to 65535.

The default value is 80.

**Important** • Do not use a number that is the same as a port number of another port. However, you can use the same port number for a port that uses HTTP (IPP, Internet Services (HTTP), UPnP Discovery, SOAP, WebDAV, and Web Services on Devices (WSD)).

## WSD

■ **WSD Print - Port Status**

Select [Enabled] to use WSD Print.

Set this when you search a device on a network from Windows Vista and Windows 7.

■ **WSD Scan - Port Status**

Select [Enabled] to use WSD Scan.

Set this when you search a device on a network from Windows Vista and Windows 7.

■ **Port Number**

Enter a port number from 1 to 65535.

The default value is 80.

**Important** • Do not use a number that is the same as a port number of another port. However, you can use the same port number for a port that uses HTTP (IPP, Internet Services (HTTP), UPnP Discovery, SOAP, WebDAV, and Web Services on Devices (WSD)).

**Note** • WSD stands for Web Services on Devices.

## Internet Services (HTTP)

■ **Port Status**

Select [Enabled] to use CentreWare Internet Services.

For more information about CentreWare Internet Services, refer to "CentreWare Internet Services Settings" (P.291).

■ **Port Number**

Enter a port number for the Internet Services from 1 to 65535.

The default value is 80.

**Important** • Do not use a number that is the same as a port number of another port. However, you can use the same port number for a port that uses HTTP (IPP, Internet Services (HTTP), UPnP Discovery, SOAP, WebDAV, and Web Services on Devices (WSD)).

**Note** • You cannot select [Port Number], if HTTP port is disabled.
To configure [Port Number], enable port status and reboot the machine, and then configure [Port Number].

## SOAP

■ **Port Status**

Select [Enabled] when you use an application program such as EasyOperator or Device Setup Tool.

■ **Port Number**

Enter a port number for SOAP from 1 to 65535.

The default value is 80.

**Important** • Do not use a number that is the same as a port number of another port. However, you can use the same port number for a port that uses HTTP (IPP, Internet Services (HTTP), UPnP Discovery, SOAP, WebDAV, and Web Services on Devices (WSD)).

### WebDAV

#### ■ Port Status

Select [Enabled] when you use an application program such as EasyOperator and Network Scanner Utility3 to access folders in the machine.

**Note** • You cannot select [Port Number] and [Operation Time-Out], if WebDAV port is disabled. To configure [Port Number] and [Operation Time-Out], enable port status and reboot the machine, and then configure [Port Number] and [Operation Time-Out].

#### ■ Port Number

Enter a port number for WebDAV from 1 to 65535.

The default value is 80.

**Important** • Do not use a number that is the same as a port number of another port. However, you can use the same port number for a port that uses HTTP (PP, Internet Services (HTTP), UPnP Discovery, SOAP, WebDAV, and Web Services on Devices (WSD)).

#### ■ Operation Time-Out

You can enter a operation time-out period between 1 and 65535 seconds in 1 second increments.



### ThinPrint

#### ■ Port Status

You can use the machine for print in the ThinPrint.print environment. The machine decompresses and prints the compressed print data sent from the print server.

Select [Enabled] when you use ThinPrint.

#### ■ Port Number

Enter a port number for ThinPrint from 1 to 65535.

The default value is 4000.

**Important** • Do not use any numbers assigned to the other ports.

**Note** • ThinPrint is available when the communication protocol uses IPv4.
• The maximum of three connections are possible at a time.

## Protocol Settings

Set the parameters required for communications. In [Protocol Settings], you can set the following items.

### Ethernet Rated Speed

Set the communication speed for the Ethernet interface.

#### ■ Auto

Select this to detect the Ethernet transmission rate automatically.

#### ■ 100 Mbps Full-Duplex

Select this to set 100BASE-TX (Full Duplex) as the default value.

■ **100 Mbps Half-Duplex**

Select this to set 100BASE-TX (Half Duplex) as the default value.

■ **10 Mbps Full-Duplex**

Select this to set 10BASE-T (Full Duplex) as the default value.

■ **10 Mbps Half-Duplex**

Select this to set 10BASE-T (Half Duplex) as the default value.

### TCP/IP - IP Mode

Allows you to select the TCP/IP operation mode.

■ **IPv4 Mode**

Select this option for IPv4.

■ **IPv6 Mode**

Select this option for IPv6.

■ **Dual Stack**

Select this option for both IPv4 and IPv6.

### IPv4 - IP Address Resolution

Allows you to select a method for obtaining the IP address, subnet mask, and gateway address.

■ **DHCP**

The address, subnet mask, and gateway address will automatically be set via DHCP.

■ **BOOTP**

The address, subnet mask, and gateway address will automatically be set via BOOTP.

■ **RARP**

The address, subnet mask, and gateway address will automatically be set via RARP.

■ **DHCP/Autonet**

The address, subnet mask, and gateway address will automatically be set via DHCP/ Autonet. If the machine fails to communicate with the DHCP server, the AutoIP function is automatically enabled and the machine is assigned an IP address (169.254.xxx.xxx). When communication between the machine and the DHCP server recovers, the machine is re-assigned an IP address, a subnet mask, and a gateway address by the DHCP server.

■ **STATIC**

Allows you to manually specify an IP address, a subnet mask, and a gateway address.

**Note** • To configure a subnet mask and a gateway address, an IP Address must be set first.

### IPv4 - IP Address

Enter the IP address using the keyboard displayed or the numeric keypad when selecting [STATIC] at [IPv4 - IP Address Resolution].

**Note** • Enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from of 0 to 255.

• Specify an IP address using numbers (0 to 9) and periods (.). If you mistyped a character on the screen, select [Backspace] to delete the character.

### IPv4 - Subnet Mask

Enter the subnet mask using the keyboard displayed or the numeric keypad when selecting [STATIC] at [IPv4 - IP Address Resolution].

**Note**
- Enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from of 0 to 255.
- Specify a subnet mask using numbers (0 to 9) and periods (.). If you mistyped a character on the screen, select [Backspace] to delete the character.

### IPv4 - Gateway Address

Enter the gateway address using the keyboard displayed or the numeric keypad when selecting [STATIC] at [IPv4 - IP Address Resolution].

**Note**
- Enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from of 0 to 255.
- Specify a gateway address using numbers (0 to 9) and periods (.). If you mistyped a character on the screen, select [Backspace] to delete the character.

### IPv4 - DNS Server Setup

Set the DNS server.

#### ■ Get IP Address from DHCP

Set whether or not to automatically obtain the address of the DNS server from the DHCP server.

#### ■ DNS Server IP Address

When [Get IP Address from DHCP] is set to [Disabled], manually set the DNS server address.



### IPv4 - IP Filter

Select whether or not to limit IPv4 addresses that can access the machine.

**Note**
- [IPv4 - IP Filter] applies to all features using TCP/IP, such as the Print, Store to Folder, and CentreWare Internet Services.
- To set the IPv4 IP addresses that the machine accepts connection from, use [IP Filtering] in CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services or refer to "CentreWare Internet Services Settings" (P.291).
- When [IP Filtering] is set to [Enabled], make sure to switch the FTP transfer mode to [Active Mode] to transfer the scanned image from the machine via FTP. You can switch the FTP transfer mode from CentreWare Internet Services.

**Important**
- To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

### IPv6 Address Manual Configuration

Allows you to select whether or not to configure the IPv6-address settings manually.

### Manually Configured IPv6 Address

This setting is configurable when [IPv6 Address Manual Configuration] is set to [Enable]. Specify an IPv6 address.

**Note**
- Enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.
- Specify an address using alphanumeric characters (0 to 9, and A to F) and colons (:). If you mistyped a character on the screen, select [Backspace] to delete the character.

### Manually Configured IPv6 Address Prefix

This setting is configurable when [Manually Configured IPv6 Address] is set. Specify a prefix length from 0 to 128.

### Manually Configured IPv6 Gateway

This setting is configurable when [Manually Configured IPv6 Address] is set. Specify a gateway address.

**Note**
- Enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.

### IPv6 - DNS Server Setup

Set the DNS server for IPv6.

#### ■ Get IP Address from DHCP

Set whether or not to automatically obtain the address of the DNS server from the DHCP server.

#### ■ DNS Server IP Address

When [Get IP Address from DHCP] is set to [Disabled], manually set the DNS server address.

### Automatically Configured IPv6 Address

Displays the following addresses automatically assigned.

- Link-local address
- Auto Stateless Address 1 and Prefix Length
- Auto Stateless Address 2 and Prefix Length
- Auto Stateless Address 3 and Prefix Length
- Auto Gateway Address

### IPv6 - IP Filter

Select whether or not to limit IPv6 addresses that can access the machine.

**Note**
- [IPv6 - IP Filter] applies to all features using TCP/IP, such as the Print, Store to Folder, and CentreWare Internet Services.
- To set the IPv6 addresses that the machine accepts connection from, use [IP Filtering] in CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services or refer to "CentreWare Internet Services Settings" (P.291).
- When [IP Filtering] is set to [Enabled], make sure to switch the FTP transfer mode to [Active Mode] to transfer the scanned image from the machine via FTP. You can switch the FTP transfer mode from CentreWare Internet Services.

**Important**
- To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

## Machine's E-mail Address/Host Name

Set the e-mail address, host name, and domain name of the machine.

### E-mail Address

Enter the E-mail address of the machine with up to 128 single-byte characters.

#### ■ When receiving E-mail via SMTP

You can set any name for the account (on the left side of @). Set the address section (on the right side of @), with the combination of the host name and domain name. An alias cannot be set.

For Example: mymail@myhost.example.com

- Account name: mymail

- Host name: myhost
- Domain Name: example.com

■ **When receiving E-mails via POP3**

Enter the POP user name (on the left side of @) and incoming POP3 mail server name in the address section (on the right side of @). You can set an alias, such as mymail@example.com.

For Example: mymail@myhost.example.com

- Account name: mymail

### Machine Name

Enter the machine name with up to 32 single-byte characters.

### Host Name

Enter the host name with up to 32 single-byte characters.

**Important** • When you use SMB, enter the first 15 letters of the host name. The host name must be up to 15 single-byte characters to identify the machine properly.

### Domain Name

Enter the domain name with up to 64 single-byte characters.



## Proxy Server Settings

Configure the settings for a proxy server.
Configure a proxy server when inbound/outbound access is used.

**Important** • Do not set this item unless you use services requiring proxy server settings.

### Use Proxy Server

Select whether or not to use a proxy server.

### Proxy Server Setup

Select the proxy server specification from [Same Proxy for All Protocols] or [Different Proxy for Each Protocol].

### Addresses to Bypass Proxy Server

Enter addresses not using the proxy server. You can specify the addresses by IPv4 address, IPv6 address, and FQDN. You can use wildcards "*" for specifying the addresses.

### HTTP Proxy Server Name

Enter the server name or IP address of the HTTP proxy server. Up to 255 characters are allowed. You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

### HTTP Proxy Server Port Number

Set the HTTP proxy server port number from 1 to 65535.

The default value is 8080.

**Important** • Do not use the numbers assigned to the other ports.

### HTTP Proxy Server Authentication

Select [Enabled] when authentication is required to connect to the HTTP proxy server.

### HTTP Proxy Server Login Name

Enter a login name of the HTTP proxy server. Up to 31 characters are allowed.

### HTTP Proxy Server Password

Enter a password of the HTTP proxy server. Up to 31 characters are allowed.

### HTTPS Proxy Server Name

Enter the HTTPS proxy server name or the IP address. Up to 255 characters are allowed. You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

### HTTPS Proxy Server Port Number

Set the HTTPS proxy server port number from 1 to 65535.

The default value is 8080.

**Important** • Do not use the numbers assigned to the other ports.

### HTTPS Proxy Server Authentication

Select [Enabled] when authentication is required to connect to the HTTPS proxy server.

### HTTPS Proxy Server Login Name

Enter a login name of the HTTPS proxy server. Up to 31 characters are allowed.

### HTTPS Proxy Server Password

Enter a password of the HTTPS proxy server. Up to 31 characters are allowed.



## EP Proxy Server Setup

Configure the settings for a proxy server for EP connection when the EP system via the Internet is used.

**Important** • Configure the settings when the EP system via the Internet is used.

For information on the EP system, refer to "EP System" (P.667).

### Proxy Server Setup

Select the proxy server specification from [Same Proxy for All Protocols] or [Different Proxy for Each Protocol]. When [Different Proxy for Each Protocol] is selected, you can configure the HTTPS proxy server and HTTP proxy server, respectively. When [Same Proxy for All Protocols] is selected, the settings for the HTTPS proxy server are copied to those of the HTTP proxy server.

### HTTPS Proxy Server Name

Enter the HTTPS proxy server name or the IP address. Up to 255 characters are allowed.

You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

### HTTPS Proxy Server Port Number

Set the HTTPS proxy server port number from 1 to 65535.

The default value is 8080.

**Important** • Do not use the numbers assigned to the other ports.

### HTTPS Proxy Server Authentication

Select [Enabled] when authentication is required to connect to the HTTPS proxy server.

### HTTPS Proxy Server Login Name

Enter a login name of the HTTPS proxy server. Up to 31 characters are allowed.

### HTTPS Proxy Server Password

Enter a password of the HTTPS proxy server. Up to 31 characters are allowed.

### HTTP Proxy Server Name

Enter the server name or IP address of the HTTP proxy server. Up to 255 characters are allowed. You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

### HTTP Proxy Server Port Number

Set the HTTP proxy server port number from 1 to 65535.

The default value is 8080.

**Important** • Do not use the numbers assigned to the other ports.

### HTTP Proxy Server Authentication

Select [Enabled] when authentication is required to connect to the HTTP proxy server.



### HTTP Proxy Server Login Name

Enter a login name of the HTTP proxy server. Up to 31 characters are allowed.

### HTTP Proxy Server Password

Enter a password of the HTTP proxy server. Up to 31 characters are allowed.

## SIP Settings

Configure the settings for a SIP User ID, SIP server to go through, and VoIP gateway.

In [SIP Settings], you can set the following items.

### SIP User ID (Sign-in Name)

Enter the SIP user name of the machine.

For example: 111@192.168.1.1

The left side of @ (111 in this example) is called the SIP user name.

**Note** • If you do not use a SIP server, specify the IP address of the machine on the right side of "@".

• When you use a SIP server manufactured by Cisco Systems, Inc. for [SIP User Name] of the machine, you can use only IPv4 address strings of the SIP server on the right side of "@". You cannot use IPv6 address strings, FQDN strings, and SIP domain name strings.

### SIP Transport Protocol

Select the SIP transport protocol from [UDP] or [TCP].

**Note** • Select [UDP] when you use a SIP server manufactured by Cisco Systems, Inc.

### Enable SIP Server

Select whether or not to enable a SIP server.

### SIP Server IP Address Resolution

Specify a method for obtaining the IP address for the SIP proxy server and the SIP registrar server.

**Note**
- Even when IP addresses can be resolved automatically using [DHCP] or [DHCP v6], port number, login user name, login password, and server type cannot be resolved automatically. Configure these items manually.
- When you select [DHCP] to automatically obtain the IP address, select [DHCP] or [DHCP/Autonet] for [IPv4 - IP Address Resolution] of the TCP/IP settings of the machine.
- If an IP address is resolved automatically, the same IP address is assigned to both a proxy server and a registrar server. If you use different IP addresses for the proxy server and the registrar server, configure the IP addresses manually.
  If multiple IP addresses are resolved automatically, assign the first IP address to a primary proxy/registrar server and the second to a secondary proxy/registrar server. The third and subsequent addresses are not used.
- Even when the IP address is resolved automatically, the port number, login user name, login password, and server type cannot be automatically obtained. Set these manually.

■ **DHCP**

The SIP proxy server IP address and the SIP registrar server IP address will be automatically retrieved from DHCP.

■ **DHCP v6**

The IPv6 address for the SIP proxy server and the IPv6 address for the SIP registrar server will be automatically retrieved from the DHCPv6 server.

■ **STATIC**

Allows you to manually enter the IP addresses for the SIP proxy server and the SIP registrar server.



## SIP Proxy Server Setup

Configure SIP proxy server settings. You can set a primary server and a secondary server.

**Note**
- You can use up to two SIP proxy servers.
- Select [Cisco] for a server type.

■ **Primary Server IP Address**

Enter the IP address of the primary server. Up to 255 characters are allowed. You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

■ **Primary Server - Port Number**

Set the primary server port number from 1 to 65535.

The default value is 5060.

■ **Primary Server - Login User Name**

Enter the login user name of the primary server. Up to 31 characters are allowed.

■ **Primary Server - Login Password**

Enter the login password of the primary server. Up to 31 characters are allowed.

■ **Primary Server Type**

Select the type of primary server from [Standard] or [Cisco].

■ **Secondary Server IP Address**

Enter the IP address of the secondary server. Up to 255 characters are allowed. You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

■ **Secondary Server - Port Number**

Set the secondary server port number from 1 to 65535.

The default value is 5060.

■ **Secondary Server - Login User Name**

Enter the login user name of the secondary server. Up to 31 characters are allowed.

■ **Secondary Server - Login Password**

Enter the login password of the secondary server. Up to 31 characters are allowed.

■ **Secondary Server Type**

Select the type of secondary server from [Standard] or [Cisco].

### SIP Registrar Server Setup

Configure SIP registrar server settings. You can set a primary server and a secondary server.

**Note**
- You can use up to two SIP registrar servers.
- Select [Cisco] for a server type.

■ **Primary Server IP Address**

Enter the IP address of the primary server. Up to 255 characters are allowed. You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

■ **Primary Server - Port Number**

Set the primary server port number from 1 to 65535.

The default value is 5060.

■ **Primary Server - Login User Name**

Enter the login user name of the primary server. Up to 31 characters are allowed.

■ **Primary Server - Login Password**

Enter the login password of the primary server. Up to 31 characters are allowed.

■ **Primary Server Type**

Select the type of primary server from [Standard] or [Cisco].

■ **Secondary Server IP Address**

Enter the IP address of the secondary server. Up to 255 characters are allowed. You can specify the addresses by IPv4 address, IPv6 address, and FQDN.

■ **Secondary Server - Port Number**

Set the secondary server port number from 1 to 65535.

The default value is 5060.

■ **Secondary Server - Login User Name**

Enter the login user name of the secondary server. Up to 31 characters are allowed.

■ **Secondary Server - Login Password**

Enter the login password of the secondary server. Up to 31 characters are allowed.

■ **Secondary Server Type**

Select the type of secondary server from [Standard] or [Cisco].

### VoIP Gateway Setup

You can configure the following settings for VoIP Gateway 1 to 50.

You can also configure different VoIP gateways by a recipient's telephone number.

**Note**
- To use a fixed VoIP gateway, do not register the ID, and specify only the IP address for VoIP Gateway 1.
- You cannot use a VoIP gateway in an IPv6 network.

#### ■ ID

Specify a number to identify the recipients' telephone numbers.

If you specify "03", this VoIP gateway is used for the telephone numbers beginning with "03" such as "0312345678" and "0312345679".

**Note**
- If you specify a specific telephone number, specify the entire telephone number such as "0312345678".

#### ■ Gateway Address

Enter the IP address of the VoIP gateway.

## T.38 Settings

Configure the settings for T.38.

### T.38 Transport Protocol

Select T.38 transport protocol from [TCP] or [UDP].

**Note**
- When you use VoIP gateway manufactured by Cisco Systems, Inc., select [UDP].

### T.38 - UDPTL Listening Port Number

Set the UDPTL listening port number from 1 to 65535.

**Important**
- Do not use any numbers assigned to other ports.

### T.38 - TCP Listening Port Number

Set the TCP listening port number from 1 to 65535.

**Important**
- Do not use any numbers assigned to other ports.

### T.38 - RTP Listening Port Number

Set the RTP listening port number from 1 to 65535.

**Important**
- Do not use any numbers assigned to other ports.

### Prioritize T.38 IP Packets

Set the priority of IP packet transmission from 0 to 255.

**Note**
- The value set varies depending on your environment. Consult your network administrator.
- Set the value already specified by the network side. If you set other values, the priority does not change.
  (For most of Cisco routers, speech traffic is set to 184(ef). If you change the value, consultyour network administrator.)

## Outgoing/Incoming E-mail Settings

Set e-mail transmission and reception settings.

### POP3 Server Settings

Set the POP3 server. In [POP3 Server Settings], you can set the following items:

**Note**
- For IPv4, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from 0 to 255.
- For IPv6, enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.
- When you make an entry mistake, press the <C> (Clear) button and enter again.

#### ■ Server Name/IP Address

Enter a server name or IP address with up to 128 characters, and then select [Save].

#### ■ Port Number

Enter a port number from 1 to 65535.

The default value is 110.

**Important**
- Do not use the numbers assigned to the other ports.

#### ■ Polling Interval

Set the interval for checking the e-mail on the POP3 server from 1 to 120 minutes in 1 minute increments.

#### ■ Login Name

Enter the name to login to the POP3 server with up to 64 characters.

#### ■ Password

Enter a password for the POP3 server with up to 64 characters.

Enter the same password in [New Password] and [Retype Password] using the numeric keypad displayed by selecting [Keyboard]. If you do not set the password, leave the text boxes blank and select [Save].

#### ■ POP Password Encryption

Select [On (APOP)] to encrypt the password.

### SMTP Server Settings

Set the SMTP server. In [SMTP Server Settings], you can set the following items:

**Note**
- For IPv4, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from 0 to 255.
- For IPv6, enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.
- When you make an entry mistake, press the <C> (Clear) button and enter again.

#### ■ SMTP Server Name/IP Address

Enter a server name or IP address, and then select [Save]. Up to 128 characters are allowed.

#### ■ SMTP Server Port Number

Enter a port number in the range from 1 to 65535.

The default value is 25.

**Important**
- Do not use the numbers assigned to the other ports.

■ **E-mail Send Authentication**

Select one from [Off], [POP before SMTP], or [SMTP AUTH].

**Note**
- If [POP before SMTP] is selected, the POP3 settings must be set.
- AUTH PLAIN, AUTH-LOGIN, or AUTH CRAM-MD5 can be used as an authentication method.

■ **Login Credentials for E-mail Send**

Select the login user name when sending e-mails from [Remotely Authenticated User] or [System]. When [Remotely Authenticated User] is selected and if the machine tries authenticating the remote server before a job startup, the machine performs verification at the time of transmission with the remotely authenticated user name and password.

You can also select the post-failure behavior of the machine from [Cancel E-mail Send] and [Relogin using System Data]. If you do not set remote authentication, the machine uses the user ID and passcode of the machine for authentication.

■ **SMTP AUTH Login Name**

Enter the user name for verification purposes at the SMTP server with up to 64 characters.

■ **SMTP AUTH Password**

Enter the password for verification purposes at the SMTP server. Up to 64 single-byte characters are allowed.

**Note**
- If you do not set the password, leave the text boxes blank and select [Save].



## Remote Authentication/Directory Service

You can make the settings for the remote authentication server and directory service.

### Authentication System Setup

■ **Authentication System**

Allows you to select the authentication system from [Kerberos (Windows 2000)], [Kerberos (Solaris)], [LDAP], and [SMB].

After you change the authentication system, personal folders and personal sheets used with the previous authentication system are not deleted automatically. If these folders or job flow sheets are no longer needed, delete them from the machine. If the same user IDs are also used on the new authentication system, personal folders and personal job flow sheets can be used by the same users.

■ **Server Response Time-Out**

Set the server time-out response between 1 and 75 seconds in 1 second increments.

■ **Search Time-Out**

Set the user information search time-out between 1 and 120 seconds in 1 second increments.

### Kerberos Server Settings

Configure the Kerberos Servers 1 to 5.

The settings in [Kerberos Server 1 (Default)] will be the default settings for authentication.

■ **Primary Server Name/Address**

Enter the primary server name or IP address.

**Note**
- For IPv4, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from 0 to 255.

- For IPv6, enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.

### ■ Primary Server Port Number

Set the primary server port number from 1 to 65535.

The default value is 88.

**Important** • Do not use the numbers assigned to the other ports.

### ■ Secondary Server Name/Address

Enter the secondary server name or IP address.

**Note**
- For IPv4, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from 0 to 255.
- For IPv6, enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.

### ■ Secondary Server Port Number

Set the secondary server port number in the range from 1 to 65535.

The default value is 88.

**Important** • Do not use the numbers assigned to the other ports.

### ■ Domain Name

When you use Active Directory of Windows 2000 Server, Windows Server 2003, or Windows Server 2008 as server, specify the domain name of Active Directory in [Domain Name]. Up to 64 characters are allowed.

**Important** • Enter a realm name in uppercase characters. Otherwise, an authentication error occurs.

## LDAP Server/Directory Service Settings

Configure the directory server, authentication method, and search attributes and ranges for LDAP authentication and the Address Book search by LDAP.

### ■ Primary Server Name/Address

Enter the primary server name or IP address.

**Note**
- For IPv4, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from 0 to 255.
- For IPv6, enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.

### ■ Primary Server Port Number

Set the Primary server port number from 1 to 65535.

The default value is 389.

**Important** • Do not use the numbers assigned to the other ports.

### ■ Secondary Server Name/Address

Enter the secondary server name or IP address.

**Note**
- For IPv4, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value 0 to 255.
- For IPv6, enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.

### ■ Secondary Server Port Number

Set the secondary server port number from 1 to 65535.

The default value is 389.

**Important** • Do not use the numbers assigned to the other ports.

### ■ Authentication Method

Select a method to perform LDAP authentication from [Direct Authentication] and [Authentication of User Attributes].

- Direct Authentication
  User ID and password entered by a user are used for LDAP authentication.
- Authentication of User Attributes
  The user ID entered is used as an attribute specified in [Attribute of Typed User Name] to perform a search on the LDAP server. [Attribute of Login User Name] of a user found through the search is used as the user ID or a job and the owner of a job flow sheet and a folder.

### ■ Attribute of Typed User Name

When [Authentication of User Attributes] is used for LDAP authentication, set the attribute of the user ID entered. Up to 32 characters are allowed.

Set the attribute of the User Attribute information registered on the LDAP server that corresponds to the value to be entered as the user name from the control panel. For example, when you want a user to enter the mail address, set "mail."

### ■ Attribute of Login User Name

Enter an attribute to be used for LDAP authentication using User Attribute information registered on the LDAP server. Up to 32 characters are allowed.

### ■ Use Added Text String

Select whether or not to automatically add text strings in [Text String Added to User Name] when you enter the authentication information from the control panel.

### ■ Text String Added to User Name

Enter text strings for [Text String Added to User Name] when you use additional text strings. Up to 64 characters are allowed.

When [Use Added Text String] is set to [Enabled], enter the corresponding fixed text string.

For Example:

When "mail" is set for [Attribute of Typed User Name] and the information registered for the target user is "mail@myhost.example.com," you will need to enter "mail@myhost.example.com".

However, if [Use Added Text String] is set to [Enabled] and "@myhost.example.com" is specified for [Text String Added to User Name], you will only need to enter "mail" from the control panel because the machine adds "@myhost.example.com" to the end of the string.

### ■ Attribute of Smart Card

When a smart card is used for LDAP authentication, set the attribute of the card ID to perform a search on the LDAP server to authenticate the user who has the card. Up to 32 characters are allowed.

**Note** • This item is displayed when [Passcode Entry for Smart Card Login] under [System Settings] > [Authentication/Security Settings] > [Authentication] > [Passcode Policy] is set to [Off].

### ■ Network User ID Attribute

When a smart card is used for LDAP authentication, set the attribute of the user name to be used for a smart card ID search. The user name is given to the remote service as the authentication information. Up to 32 characters are allowed.

**Note** • This item is displayed when [Passcode Entry for Smart Card Login] under [System Settings] > [Authentication/Security Settings] > [Authentication] > [Passcode Policy] is set to [Off].

### ■ Login Credentials to Search Entries

Select which users are allowed to search the Address Book.

You can select from [Remotely Authenticated User] and [System].

### ■ Login Name

Set a user name for the Address Book search and access the directory server using [Authentication of User Attributes] method for LDAP authentication. Set this item only when authentication is required for the search for the directory service. Up to 255 characters are allowed.

### ■ Password

Set a login password for the user specified in [Login Name]. Up to 32 characters are allowed.

### ■ Search Directory Root

Enter a search root character string with up to 255 characters.

### ■ Scope of Search from Root Entry

Select the search range from the root entry.

- Root entry only

  Searches the root level only.

- One level below root entry only

  Searches from the root level to one level below the root level.

- All levels below root entry

  Searches from the root level to all lower levels below the root level.

### ■ Object Class of Search Target

Enter the object class to search with up to 32 characters.

### ■ LDAP Referrals

Specify whether or not to re-establish connection to another LDAP server if a currently connected LDAP server requests to do so.

### ■ LDAP Referral Hop Limit

When using the Referral feature, specify how many times that a user is allowed to hop servers within 1 to 5 times.

### ■ LDAP Server

Select the software used by the directory server from [Microsoft Active Directory], [Microsoft Exchange], [Novell NetWare], [IBM Lotus Domino 6.*], and [Other Applications].

### ■ Search Entries by Common Name

Set whether or not to use [Attribute Type of Name] as a search entry when a name is used as a search key.

### ■ Search Entries by Surname

Set whether or not to use [Attribute Type of Surname] when a name is used as a search key.

### ■ Search Entries by Given Name

Set whether or not to use [Attribute Type of Given Name] when a name is used as a search key.

### ■ Attribute Type of Name

Set the recipient name attribute type. Enter a field attribute name to be used as a recipient name from user information registered on the LDAP server. Up to 32 characters are allowed. For Windows, enter "cn" for an attribute name used as a recipient name.

### ■ Attribute Type of Surname

Set the sender's family name attribute type. Up to 32 characters are allowed.

### ■ Attribute Type of Given Name

Set the sender's first name attribute type. Up to 32 characters are allowed.

### ■ Attribute Type of E-mail Address

Set the e-mail address attribute type. Enter a field attribute name to be used as e-mail information from the user information registered on the LDAP server. Up to 32 characters are allowed. For Windows, enter "mail" for an attribute name used as e-mail information.

### ■ Attribute Type of Fax Number

Set the fax number attribute type. Up to 32 characters are allowed.

### ■ Attribute Type of IP Fax (SIP) Number

Set a field attribute name that is used as IP fax (SIP) number information from the user information registered on the LDAP server. Up to 32 characters are allowed.

### ■ Attribute Type of E-mail (Internet Fax)

Set the Internet fax address attribute type. Up to 32 characters are allowed.

### ■ Attribute Type of Custom Items 1, 2, and 3

Set the LDAP attribute type of custom items 1 to 3. In addition to [Attribute Type of Name] and [Attribute Type of E-mail Address], you can assign user attributes registered on the LDAP server for a search. Up to 32 characters are allowed.

### ■ Attribute Name of Custom Items 1, 2, and 3

Set the attribute names assigned to custom items 1 to 3. Up to 16 characters are allowed.

**Note** • To encrypt communications using this feature, a trusted root certificate authority and all intermediate certificate authorities that are registered in the path of a certificate to use must be registered.

### ■ Attribute Type of Certificate

Set the certificate attribute type. Select and enter the field name to use as a certificate from among the user information registered on the LDAP server. Up to 32 single-byte characters are allowed.

For Windows, enter "userCertificate;binary" for an attribute name used as certificate information. The information is used as an S/MIME certificate when you specify an address using the directory service to encrypt e-mail transmission by S/MIME.

**Note** • To encrypt communications using this feature, a trusted root certificate authority and all intermediate certificate authorities that are registered in the path of a certificate to use must be registered.

### ■ Maximum Number of Search Results

Set a maximum number of address to display from search results from 5 to 100. If the search results exceed the maximum, the search stops at the maximum number set. The default value is 50.

■ **Search Time-Out**

Select whether or not to set a search time-out. Set the value from 5 to 120 seconds in 1 second increments.

### SMB Server Settings

■ **SMB Server Setup**

Select the server specification method from [By Domain Name] and [By Domain & Server Names/IP Address].

According to the option you selected here, set [Domain Name] and [Server Name/IP Address] for SMB servers 1 to 5 respectively. The setting for SMB server 1 is used as the default setting for authentication.

■ **Domain Name**

Enter the domain name of the server. Up to 64 characters are allowed.

This setting is mandatory regardless of the SMB server specification method selected for [SMB Server Setup].

**Important** • Use the NetBIOS or Active Directory domain name for the domain name.

■ **Server Name/IP Address**

Enter the server name or IP address.

This setting is valid when [SMB Server Setup] is set to [By Domain & Server Names/IP Address].

**Important** • Use the NetBIOS computer name or full computer name with DNS suffix for the server name.
• For IPv4, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from 0 to 255.



## Security Settings

Set the security settings.

### SSL/TLS Settings

Configure the SSL/TLS settings.

■ **Device Certificate - Server**

Select a certificate for HTTP SSL/TLS communications.

■ **HTTP - SSL/TLS Communication**

Select whether or not to enable HTTP SSL/TLS communications.

■ **HTTP - SSL/TLS Port Number**

Set the port number used for HTTP SSL/TLS communication from 1 to 65535.

The default value is 443.

**Important** • Do not use the numbers assigned to the other ports.

■ **LDAP - SSL/TLS Communication**

Set whether or not to enable the SSL/TLS communications for authentication and searches.

If you enable the LDAP SSL/TLS communications, you must set [Primary Server Port Number] and [Secondary Server Port Number] under [LDAP Server/Directory Service Settings].

The port number for SSL/TLS communications of the LDAP directory server is normally set to 636.

■ **SMTP-SSL/TLS Communication**

Configure the SSL/TLS communications.

- Disabled

  The machine does not communicate in SSL/TLS.

- STARTTLS (If Available)

  The machine verifies the certificate and communicates in SSL/TLS. If the verification fails, the machine does not communicate in SSL/TLS.

- STARTTLS

  The machine verifies the certificate and communicates in SSL/TLS. If the verification fails, the machine cannot perform communication.

- SSL/TLS

  The machine communicates in SSL/TLS.

**Note** • The Internet Fax Direct (P2P) feature does not support SMTP-SSL/TLS communication.

■ **ThinPrint-SSL/TLS Communication**

Select whether or not enable the SSL/TLS communications.

■ **Device Certificate - Client**

Select a certificate for HTTP SSL/TLS communications.

■ **Verify Remote Server Certificate**

When the machine is operated as an SSL client, select whether or not to verify the certificate of the remote server.

## S/MIME Settings

Configure S/MIME settings.

■ **Device Certificate - S/MIME**

Select a certificate for S/MIME communications.

For more information on the certificate, refer to "Encryption and Digital Signature Settings" (P.367).

■ **S/MIME Communication**

Select whether or not to enable S/MIME communications.

■ **Receive Untrusted E-mail**

If you select [No], the machine cannot receive the following e-mail:

- E-mails other than e-mail sent by S/MIME when [S/MIME Communication] is enabled.
- E-mails that fail to attach a signature or verification.
- E-mails that are attached with an expired certificate.

■ **Receive Untrusted Internet Fax**

If you select [No], the machine cannot receive the following Internet fax:

- Internet faxes other than the Internet fax sent by S/MIME when [S/MIME Communication] is activated.
- Internet faxes that fail to attach a signature or verification.

- Internet faxes that are attached with an expired certificate.

■ **Message Digest Algorithm**

Select a message digest algorithm. Select from [SHA1], [MD5], and [SHA256].

■ **Message Encryption Method**

Set the encryption method for mail contents. Select from [3DES], [RC2-40], [RC2-64], [RC2-128], [AES-128], [AES-192], and [AES-256].

■ **Split Encrypted E-mail**

Select whether or not to split an outgoing encrypted e-mail for each recipient.

■ **Split Encrypted Internet Fax**

Select whether or not to split an outgoing encrypted Internet fax for each recipient.

■ **Digital Signature - Outgoing E-mail**

Select whether or not to always add a digital signature to outgoing e-mails. You can also select the setting in which the machine asks to add a digital signature to the e-mail whenever you send.



■ **Signing Certificate for E-mail Attachment**

Select the certificate to use for attaching a signature to e-mails.

■ **Digital Signature - Outgoing Internet Fax**

Select whether or not to always add a digital signature to outgoing Internet faxes. You can also select the setting in which the machine asks to add a digital signature to the Internet fax whenever you send.

■ **Certificate Auto Store**

Select whether or not to automatically store a S/MIME certificate attached with the e-mail when receiving e-mail from an address registered on the Address Book.

## PDF/DocuWorks/XPS Signature Settings

Configure signature settings of PDF/DocuWorks/XPS documents.

■ **Device Certificate**

Select a certificate to use for the signature.

For more information on the certificate, refer to "Encryption and Digital Signature Settings" (P.367).

■ **PDF Signature**

Select the setting for PDF Signature from [Do not add signature], [Always add visible signature], [Always add invisible signature], or [Select during send].

■ **PDF Signature Hash Algorithm**

Select the setting for PDF Signature Hash Algorithm from [SHA-1] or [SHA-256].

■ **DocuWorks Signature**

Select the setting for DocuWorks Signature from [Do not add signature], [Always add signature], or [Select during send].

■ **XPS Signature**

Select the setting for XPS Signature from [Do not add signature], [Always add invisible signature], or [Select during send].

## IPSec Settings

Configure the IPSec settings.

**Note** • For [IKE Authentication Method], [Preshared Key], [DH Group], and [PFS Settings], consult your network administrator.

### ■ IKE Authentication Method

Set the IKE authentication method. Select from [Authenticate by Preshared Key] and [Authenticate by Digital Signature].

### ■ Preshared Key

Enter a preshared key.

This setting is valid when [IKE Authentication Method] is set to [Authenticate by Preshared Key].

### ■ Device Certificate

Select a certificate for IPSec communications.

Set a certificate when [IKE Authentication Method] is set to [Authenticate by Digital Signature]. A self-signed certificate created by CentreWare Internet Services cannot be used.

For more information on a certificate, refer to "Types of Certificate" (P.368).

### ■ IPSec Communication

Select whether or not to enable IPSec communications.

### ■ IKE SA Life Time

Specify IKE SA lifetime from 5 to 28800 minutes in 1 minute increments.

**Note** • The value must be greater than the value set in [IPSec SA Life Time].

### ■ IPSec SA Life Time

Specify IPSec SA lifetime from 300 to 172800 seconds in 1 second increments.

**Note** • The value must be smaller than the value set in [IKE SA Life Time].

### ■ DH Group

Set DH group. Select from [G1] and [G2].

### ■ PFS Settings

Select whether or not to enable PFS.

### ■ Destination IPv4 Address

Set the IPv4 address of the destination.

When entering an IP address, enter the address in the format "xxx.xxx.xxx.xxx", where "xxx" is a numeric value from 0 to 255.

### ■ Destination IPv6 Address

Set the IPv6 address of the destination.

When entering an IP address, enter the address in the format "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx", where "xxxx" is a hexadecimal value.

### ■ Communicate with Non-IPSec Devices

Select whether or not to communicate with non-IPSec devices.

## IEEE 802.1x Settings

Configure the IEEE 802.1x settings.

■ **IEEE 802.1x**

Set whether or not to use IEEE 802.1x authentication.

■ **Authentication Method**

Select from [EAP-MD5], [EAP-MS-CHAPv2], [PEAP/MS-CHAPv2], and [EAP-TLS].

■ **Login User Name**

Enter the login user name with up to 128 characters.

■ **Login Password**

Enter the login password with up to 128 characters.

■ **Server Certificate Verification**

Select whether or not to verify a server certificate when [PEAP/MS-CHAPv2] is selected in [Authentication Method].

## Certificate Revocation Retrieval Settings

Configure the settings for certificate revocation retrieval.

■ **Level of Certificate Verification**

Select a level of certificate verification from [Low], [Medium], or [High].

Selecting [Low] does not verify the validity of certificates.

Selecting [Medium] verifies the validity of certificates. If a certificate cannot be verified because of a network error or any other problems, the certificate is determined as valid.

Selecting [High] verifies the validity of certificates, and determines only certificates that have not been revoked as valid.

■ **Retrieval of Certificate Status**

Select the method to verify the validity of certificates. Select [By Retrieving CRL] if the machine retrieves a CRL (Certificate Revocation List) from the validation authority to verify the revocation status of the certificate. Select [By OCSP] If the machine uses OCSP (Online Certificate Status Protocol), which can verify the validity revocation status of the certificate, to have the certificate authority or validation authority check the revocation status.

■ **Auto Retrieval of CRL**

Select whether or not to automatically retrieve a CRL.

■ **CRL Retrieval Time-Out**

Specify a time-out value to retrieve a CRL from 5 to 60 seconds in 1 second increments.

■ **Send Query to OCSP Responder With**

Select how to access an OCSP responder from [URL as Specified in Certificate] or [URL as Specified by Administrator].

■ **URL of OCSP Responder**

Enter the URL of an OCSP responder when [URL as Specified by Administrator] has been selected for [Send Query to OCSR Responder With]. Up to 255 characters are allowed.

■ **OCSP Communication Time-Out**

Specify a time-out value for communication between the OCSP responder and the machine from 5 to 60 seconds in 1 second increments.

## Other Settings

You can set the following network related items:

### Protocol to Receive E-mail

Select from [SMTP] and [POP3] depending on your environment.

### Add Domain Name to User Name

Select whether or not to add domain names to user names.

### Output Destination for E-mail

Specify an output destination for e-mail print. Selecting [Auto] enables the machine to select the output destination, which is set as the default output destination.

### Domain Filtering

Set the domain filtering settings for the E-mail, Internet Fax, and IP fax (SIP) features.

■ **Domain Filtering**

When [Allow Domains] is selected, you can specify domains to permit transmissions. When [Block Domains] is selected, you can specify domains to prohibit transmissions.

■ **Domains 1 to 50**

When [Domain Filtering] is set to [Allow Domains] or [Block Domains], you can specify up to 50 domains to allow or block transmissions.

Selecting [Change Settings] allows you to enter the domain name using a keyboard displayed with up to 64 characters.

# Print Service Settings

In [Print Service Settings], you can configure settings related to the Print feature.

Using CentreWare Internet Services, you can make more detailed settings.

For more information, refer to "CentreWare Internet Services Settings" (P.291).

The following shows the reference section for each setting.

Allocate Memory ..... 212
Delete Form ..... 214
Other Settings ..... 214

1 On the [Tools] screen, select [Print Service Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.



## Allocate Memory

For each interface, set the memory capacity of the receiving buffer (temporary storage for data sent from the client).

You can change the receiving buffer capacity according to its use and purpose. Increasing the receiving buffer capacity may allow a client to be released sooner from an interface.

**Important**
- If you change the capacity memory, the memory is reset, thus all data stored in memory area is erased.
- You cannot allocate more memory beyond its memory capacity. When you turn the machine on, and the size set exceeds the total memory size, the system automatically adjust the memory size.

**Note**
- When a port is set to [Disabled], the corresponding items to the port do not appear.
- Depending on the amount of data sent from the client, increasing the memory capacity may not change the time taken to release the client.

### PostScript Memory

Specify a value for the PostScript memory capacity from 16.00 to 128.00 MB in 0.25 MB increments.

**Note**
- This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.
- The maximum amount of memory you can allocate varies according to the amount of free space available in memory.

### ART IV, ESC/P, 201H Form Memory

Displays where to save forms for use with ESC/P-K.

### HP-GL/2 Auto Layout Memory

Set the working memory area when HP-GL/2 auto layout memory is used. When the hard disk is installed, the area is fixed to the hard disk. When the hard disk is not installed, specify the area for working memory.

### Job Ticket Memory

Specify the amount of memory to use for job tickets from 0.25 to 8.00 MB in 0.25 MB increments.

**Note** • The maximum amount of memory you can allocate varies according to the amount of free space available in memory.

### Receiving Buffer - USB

Set the receiving buffer for USB.

You can specify a value from 64 to 1024 KB in 32 KB increments.

### Receiving Buffer - LPD

**Note** • You may not be able to change the [Receiving Buffer - LPD] setting because of the setting of [LPD Print Queue]. For more information on LPD Print Queue, refer to "LPD Print Queue" (P.218).

#### ■ No Spooling

Does not use spooling. While LPD printing is performed for one client, data cannot be received over the same interface from another client.
Specify a value for the dedicated LPD receiving buffer memory capacity from 1024 to 2048 KB in 32 KB increments.

#### ■ Spool to Memory

Carries out spooling. The receiving buffer for spooling uses memory. When this setting is selected, specify the memory capacity of a receiving buffer for spooling from 0.50 MB to 32.00 MB in 0.25 MB increments.
Note that print data exceeding the memory capacity set is not accepted. In such cases, select [Spool to Hard Disk] or [No Spooling].

#### ■ Spool to Hard Disk

Carries out spooling. The receiving buffer for spooling uses the hard disk.

### Receiving Buffer - NetWare

Set the NetWare receiving buffer.

Specify a value from 64 to 1,024 KB in 32 KB increments.

### Receiving Buffer - SMB

#### ■ No Spooling

Does not use spooling. While SMB printing is performed for one client, data cannot be received over the same interface from another client.
Specify a value for the dedicated SMB receiving buffer memory capacity from 64 to 1024 KB in 32 KB increments.

**Important** • If you select [No Spooling], job names are displayed as "unknown document name".

#### ■ Spool to Memory

Carries out spooling. The receiving buffer for spooling uses memory. When this setting is selected, specify the memory capacity of a receiving buffer for spooling from 0.50 MB to 32.00 MB in 0.25 MB increments.
Note that print data exceeding the memory capacity set is not accepted. In such cases, select [Spool to Hard Disk] or [No Spooling].

#### ■ Spool to Hard Disk

Carries out spooling. The receiving buffer for spooling uses the hard disk.

### Receiving Buffer - IPP

■ **No Spooling**

Does not use spooling. While IPP printing is performed for one client, data cannot be received over the same interface from another client.
Specify a value for the dedicated IPP receiving buffer memory capacity from 64 to 1024 KB in 32 KB increments.

■ **Spool to Hard Disk**

Carries out spooling. The receiving buffer for spooling uses the hard disk.

### Receiving Buffer - EtherTalk

Set the EtherTalk receiving buffer.

Specify a value from 1024 to 2048 KB in 32 KB increments.

### Receiving Buffer - Port 9100

Set the Port 9100 receiving buffer.

Specify a value from 64 to 1024 KB in 32 KB increments.

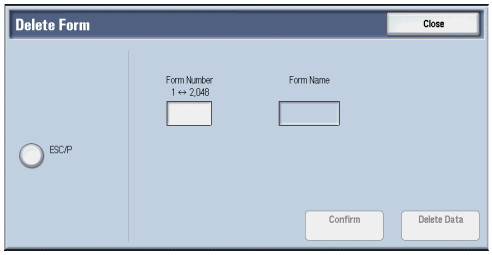


## Delete Form

You can delete registered ESC/P-K forms.

*1* Select [Delete Form].

*2* Select the print mode to delete forms.




■ **ESC/P**

Deletes ESC/P-K emulation forms.

■ **Form Number**

When you select an item to delete, you can enter the form number.

■ **Form Name**

After you enter the form number and select [Confirm], the form name matching the form number entered appears.

*3* Enter the form number with the numeric keypad, and select [Confirm].

*4* Check the form name, and then select [Delete Data].

## Other Settings

You can configure other settings related to the paper used in the printer.

## Print Area

Set whether or not to expand the print area.

For more information about the printable area, refer to "Printable Area" (P.574).

For more information on the extended printable area, refer to "Extended Printable Area" (P.574).

## Substitute Tray

When there is no tray containing the paper size selected by the Auto Paper selection, select whether or not to print with paper loaded in another paper tray. In the event of using a substitute tray, select the paper size from [Use Larger Size], [Use Closest Size], or [Select Tray 5].

**Note** • When documents are printed using emulation such as ESC/P-K and HP-GL/2, the substitute tray setting is not valid and a message prompting you to load paper displayed on the screen.

### ■ Display Message

Does not use a substitute tray, but displays a paper loading message.

### ■ Use Larger Size

Switches to the next larger size of paper than previously selected and prints at the same magnification.

### ■ Use Closest Size

Switches to the closest size of paper to previously selected and prints. If necessary, the image is automatically reduced in size on the paper.

**Note** • If there is a client specification, the client specification is prioritized.

### ■ Select Tray 5

Prints using the paper loaded in Tray 5.

## Paper Type Mismatch

Set an action to take when the paper type loaded in the paper tray does not match the paper type specified when a print job is submitted.

### ■ Print

Prints using the paper loaded in the tray.

### ■ Display Confirmation Screen

A confirmation screen appears to ask whether or not to print the job.

If a paper type mismatch occurs during printing, the machine ignores the paper type specified and prints the job in accordance with [Paper Tray Priority], [Paper Size], or [Substitute Tray].

For more information, refer to "Automatic Tray Selection" (P.50).

### ■ Display Paper Supply Screen

Load another type of paper in the selected tray by following the message displayed on the touch screen, and then select the [Start] button. The machine changes the paper type setting for the tray and prints the job.

**Note** • The machine keeps the changed paper type setting after the printing.

• Even if you select the [Start] button without loading another type of paper in the selected tray, the machine considers the paper type has been changed and prints the job. Consequently, the print quality cannot be guaranteed because the paper type loaded in the paper tray does not match the paper type specified.

### Unregistered Forms

Set whether or not to print a job if a form specified for printing in a form data file (overlay printing) is not registered on the machine. If you specify [Print], only the data is printed because the specified form is not present.

### Resume Job After Print Error

Set whether or not to automatically cancel a print job when the print job was suspended because of an error.

**Note** • The machine will enter the off-line state to restrict subsequent print jobs.

#### ■ Job Resumes Automatically

Automatically cancels the print job to print subsequent jobs.

#### ■ Resume by User

Displays a confirmation screen before cancelling the print job. After the confirmation, the machine cancels the print job to print the subsequent jobs.

### When Paper Jam Occurs

Specify how the machine handles print jobs after a paper jam is cleared.



#### ■ Resume Job after Jam Clearance

When a paper jam is cleared, the machine automatically resumes printing from the next page of the page which was output correctly.

#### ■ Delete Job

The machine cancels printing and removes the print job.

**Note** • For print files stored in a folder such as Charge Print, Private Charge Print, Secure Print, and Sample Print, the machine resumes printing after the paper jam is cleared.

### Print User ID

When printing using a print driver, specify whether or not to print user ID set in the print driver on paper. The first 64 letters of the user ID are printed.

Select a position to print from [Top Left], [Top Right], [Bottom Left], and [Bottom Right].

**Note** • To use the Print User ID feature, the user ID must be set in the print driver beforehand. For more information, refer to the help of the print driver.

• When user ID set in the print driver is not available, "Unknown User" is printed.

### Banner Sheet

You can output a banner sheet to separate different jobs by users not to be mixed the outputs. The machine outputs the banner sheet before or after the job.

A date, time, user name, and file name are printed on the banner sheet.

**Note** • Even if stapling is selected, banner sheets are not stapled.

• When a document is printed from a Macintosh, the document name is not printed on the banner sheet.

• When printed, banner sheets are counted by meter.

#### ■ Off

Does not print banner sheets.

#### ■ Start Sheet

Prints a banner sheet before a print job.

■ **End Sheet**

Prints a banner sheet after a print job.

■ **Start Sheet & End Sheet**

Prints a banner sheet before and after a print job.

■ **Allow Print Driver to Override**

Select the check box to print a banner sheet according to the banner sheet print settings of the print driver.

### Banner Sheet Offset

Set whether or not to offset when banner sheets are output.

### Banner Sheet Tray

Select a paper tray used for banner sheets.

This setting applies to Trays 1 to 4. You cannot apply this setting to Tray 5.

### PostScript Default Color

Set the default value for Post Script output color.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.



### PostScript Paper Supply

Select whether the PostScript DMS (Deferred Media Selection) feature is enabled or disabled when the paper tray is selected. Select [Auto Select] to enable the DMS feature, or [Select Paper Tray] to disable the feature.

When PostScript data generated by other than the print driver is printed, the tray is not selected as intended depending on the description method of the PostScript data. In this case, select [Select Paper Tray].

**Note** • Even when you select [Auto Select], the setting is automatically changed to [Select Paper Tray] when [Use Larger Size] or [Use Closest Size] is selected for [Substitute Tray] and print PostScript data.

• This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### PostScript Font Absence

Set an action to take when a PostScript font specified in a job is not present.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

■ **Cancel Printing**

Cancels printing.

■ **Substitute Font and Print**

Prints using a substitute font. Courier is used as the substitute font.

### PostScript Font Substitution

Set whether or not to use ATCx as a substitute if a PostScript font specified in a job is not present.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

## XPS Print Ticket Processing

Set how the machine processes the print tickets written in XPS documents.

### ■ Off

Does not process print tickets.

### ■ Standard Mode

Uses the standard mode to process print tickets.

### ■ Compatible Mode

Uses the Microsoft-compliant mode to process print tickets.

## LPD Print Queue

Set the LPD print sequence.

**Note** • If you change the [LPD Print Queue] setting, the [Receiving Buffer - LPD] setting may automatically be changed. For more information on Receiving Buffer - LPD Spool, refer to "Receiving Buffer - LPD" (P.213).

### ■ Data Processing Order

Prints jobs in the order of becoming print-ready status after receiving the jobs.

If you instruct the machine to print jobs of multiple documents continuously, the machine may preferentially print a job which was sent later depending on the time for data processing.

### ■ Job Submission Order

Prints jobs in the order of lpr print submission.

**Important** • This setting is valid only when [Receiving Buffer - LPD] is set to [Spool to Hard Disk]. When any other setting, printing is performed in [Data Processing Order].

## OCR Font Glyphs (0 x 5C)

Allows you to select [Backslash] or [Japanese Yen Sign] to print 0x5C character when the OCR fonts are used.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

# Scan Service Settings

In [Scan Service Settings], you can configure settings related to the Scan services.

**Note**
- This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.
- When [Scan to Fax Server] is selected in the System Settings, [Scan Service Settings] is replaced with [Scan/Fax Service Settings].

For information on scanner environment settings, refer to "Scanner Environment Settings" (P.325).

The following shows the reference section for each setting.

Screen Defaults....219
Scan Defaults....220
Scan to PC Defaults....222
Original Size Defaults....223
Output Size Defaults....223
Reduce/Enlarge Presets....223
Other Settings....224

1. On the [Tools] screen, select [Scan Service Settings].

   For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2. Select an item to set or change.



## Screen Defaults

You can set the items that appear in the First Tab screen. The First Tab means the screen displayed when you select the following tabs in the [E-mail], [Store to Folder], [Network Scanning], [Scan to PC], [Store & Send Link], and [Store to USB] screens.

- The [E-mail] tab of the E-mail service
- The [Store to Folder] tab of the Store to Folder service
- The [Network Scanning] tab of the Network Scanning service
- The [Scan to PC] tab of the Scan to PC service
- The [Store & Send Link] tab of the Store & Send Link service
- The [Store to USB] tab of the Store to USB service

### Email Screen Default

Set the default screen that appears when [E-mail] on the [Services Home] screen is selected.

Select from [First Tab] and [Address Book].

### Scan to PC Screen Default

Set the default screen that appears when [Scan to PC] on the [Services Home] screen is selected. Select from [First Tab] and [Address Book].

### 1st Tab - Features Allocation

You can set the features that appear in the second to the fourth column of the lower part in the First Tab screen.

Select a column by selection from [Feature in 1st Column] to [Feature in 4th Column]. And set the item to be displayed from [Not Selected], [Color Scanning], [2 Sided Scanning], [Original Type], [File Format], [Resolution], [Lighten/Darken], [Reduce/Enlarge], [Mixed Size Originals], and [Original Orientation].

[2 Sided Scanning] and [Mixed Size Originals] are not displayed on the screen for the models without the document feeder.

### Reduce/Enlarge - Buttons 2 to 5

This item can be set when [Reduce/Enlarge] is selected for one of the features that appear in the second to the fourth column in [1st Tab - Features Allocation].

Select the magnification ratio displayed in [Reduce/Enlarge] from the Reduce/Enlarge Presets registered.

For information about Reduce/Enlarge Preset buttons, refer to "Reduce/Enlarge Presets" (P.223).

## Scan Defaults

You can set the default settings of the Scan services. When the machine is turned on, or the machine exits the Energy Saver mode, or when the <Clear All> button is pressed, the machine resets to the default values set here. Setting frequently used features and values as the defaults can avoid extra operations required during the use of the machine.
The values set here become valid after the machine turned off and then on.

For more information on each setting item, refer to "5 Scan" in the User Guide.



### Color Scanning

Set the default value for [Color Scanning] in the First Tab.

### Original Type

Set the default value for [Original Type] in the First Tab.

### File Format

Set the default value for [File Format] in the First Tab.

### Optimize PDF For Quick Web View

Set the default value for [Optimize For Quick Web View] of [File Format] in the First Tab.

### Thumbnail - Outgoing E-mail

For the E-mail feature, set the default value for [Add Thumbnail] when [DocuWorks] or [XPS] is selected for [File Format] in the First Tab.

### Thumbnail - Scan to PC

For the Scan to PC feature, set the default value for [Add Thumbnail] when [DocuWorks] or [XPS] in selected for [File Format] in the First Tab.

### Lighten/Darken

Set the default value for [Lighten/Darken] of [Image Options] in the [Advanced Settings] screen.

### Contrast

Set the default value for [Contrast] of [Image Enhancement] in the [Advanced Settings] screen. The contrast setting is valid when [Color Scanning] is set to [Color] or [Grayscale].

### Sharpness

Set the default value for [Sharpness] of [Image Options] in the [Advanced Settings] screen.

### Background Suppression

Set the default value for [Background Suppression] of [Image Enhancement] in the [Advanced Settings] screen.

### Shadow Suppression

Set the default value for [Shadow Suppression] in the [Advanced Settings] screen.

### Color Space

Set the default value for [Color Space] in the [Advanced Settings] screen.

**Important** • When [Device Color Space] is selected as default and "Color Space" (P.224) is set to [Disabled], [Auto Detect] of [Color Scanning] in the First Tab does not appear. In addition, when the High Compression Image Kit (optional) is installed to the machine, [MRC High Compression] and [Specific Color] under [File Format] is not displayed either.

### Original Orientation

Set the default value for [Original Orientation] in the [Layout Adjustment] screen.

### Resolution

Set the default value for [Resolution] in the [Layout Adjustment] screen.

You can select from [200 dpi], [300 dpi], [400 dpi], and [600 dpi].

### Mixed Size Originals

Set the default value for [Mixed Size Originals] in the [Layout Adjustment] screen.

### Edge Erase

Set the default value for [Edge Erase] in the [Layout Adjustment] screen. You can select from [All Edges] and [Parallel Edges].

### Edge Erase - Top & Bottom Edges

Set the default value for [Top & Bottom] in [Edge Erase] in the [Layout Adjustment] screen. Specify a value from 0 to 50 mm in 1 mm increments.

### Edge Erase - Left & Right Edges

Set the default value for [Left & Right] in [Edge Erase] in the [Layout Adjustment] screen. Specify a value from 0 to 50 mm in 1 mm increments.

### Center Erase/Binding Edge Erase

Set the default value for [Center] in [Edge Erase] in the [Layout Adjustment] screen. Specify a value from 0 to 50 mm in 1 mm increments.

### Quality/File Size

Set the default value for [Quality/File Size] in the [Filling Options] screen.
Select from [Quality: Normal/File Size: Small], [Quality: Higher +1/File Size: Larger +1], [Quality: Higher +2/File Size: Larger +2], [Quality: Higher +3/File Size: Larger +3], and [Quality: Maximum/File Size: Largest].

### E-mail Subject

Set the default value for the e-mail subject. Up to 128 characters can be entered for the subject.

### Store & Send Link - E-mail Subject

Set the default value for the subject used for the Store & Send Link feature. Up to 128 characters can be entered for the subject.

For more information on the Store & Send Link feature, refer to "5 Scan" > "Scanning Procedure" > "Step 2 Selecting the Features" in the User Guide.

### Searchable Text

Set the default value for [Searchable Text] in the [File Format] screen under the First Tab.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Language of the Original

Set the default language to identify the text on a document.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.



### Searchable - Text Compression

Set whether or not to compress searchable text when using the OCR feature.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

## Scan to PC Defaults

### Transfer Protocol

Set the default value for the transfer protocol used for transfer from [FTP], [SMB], or [SMB (UNC Format)].

### Login Credential to Access Destination

Set whether or not to use a user authenticated by the remote server when the user logs in to the destination computer for the Scan to PC service. This setting is effective for remote authentication.

■ **None**

Does not use the remotely authenticated user.

■ **Remotely Authenticated User**

Uses the user name and the password of the remotely authenticated user for login.

### User Name for FTP Scan

When the remotely authenticated user name is used as a login user name for FTP transfers for the Scan to PC service, specify whether or not to include the domain part of the credentials.

■ **User Name Only**

Uses only the user name part (before "@") of the login credential for the login name. The domain part is not used.

■ **Add Domain Name**

Uses the full login credential name, including the domain name (after "@"), for the user name.

## Original Size Defaults

Set the document size displayed in [Original Size] in the [Layout Adjustment] screen. You can assign a document size to each of the 17 buttons other than [Auto Detect].

If you frequently use non-standard size paper for scanning, assigning the paper sizes to the buttons will save your time to specify the size each time.

■ **A/B Series Size**

You can select a size from sizes of A and B series such as A4 and B5.

■ **Inch Size**

You can select a size from Inch series sizes such as 8.5 x 11" and 11 x 17".

■ **Others**

You can select a size from sizes of other than the above series such as photo and postcard sizes.

■ **Custom Size**

You can enter any size. Set the width (X) from 15 to 432 mm, and the height (Y) from 15 to 297 mm in 1 mm increments.

## Output Size Defaults

Set the sizes to display in [Output Size] when selecting [Enter Output Size] for scanning documents at [Reduce/Enlarge] in the [Layout Adjustment] screen.

You can assign any output size to output size buttons. Assigning the output sizes to the buttons will save your time to specify the size each time.

■ **A/B Series Size**

You can select a size from A and B series sizes such as A4 and B5.

■ **Inch Size**

You can select a size from Inch series sizes such as 8.5 x 11" and 11 x 17".

■ **Others**

You can select a size from other sizes such as photo and postcard.

## Reduce/Enlarge Presets

Set the magnifications displayed as [Preset %] which are displayed when [Proportional %] is selected under [Reduce/Enlarge] in the [Layout Adjustment] screen.

You can assign any magnification to the Reduce/Enlarge Preset buttons other than [100 %].

■ **Preset %**

Select a ratio from standard magnification ratios.

■ **Variable %**

You can specify a magnification from 25 to 400 % in 1 % increments.

## Other Settings

You can configure other settings related to the Scan services specifications.

### Memory Full Procedure

If there is insufficient hard disk memory while scanning a document, a screen appears asking you how you want to handle the partially stored data.

Set the process you want the machine to perform for the partially stored data after a certain time has elapsed in the confirmation screen.

You can set the time until the memory full procedure is carried out. For more information, refer to "Auto Job Release" (P.145).

■ **Delete Job**

Deletes the data partially stored.

■ **Run Job**

Treats the read-in data as valid, and start scanning the document partially stored.



### Maximum Stored Pages

Set the maximum number of pages stored for a scan document. You can specify from 1 to 999 pages.

### Saturation

Set the saturation when scanning a full color document. When a document is scanned, saturation is automatically adjusted according to the value set here.

### Background Suppression Level

Set the background suppression level. This is valid when [Background Suppression] is set to [Auto Suppression].

The larger the value is, the stronger the effect of removing background noise becomes.

### Shadow Suppression Level

Set the shadow suppression level. This is valid when [Shadow Suppression] is set to [Auto Suppression].

### Color Space

Set whether or not to display the Color Space feature.

When you select [Enabled], the [Color Space] button is displayed on the [Advanced Settings] screen for the [E-mail], [Store to Folder], [Scan to PC], and [Job Template].

**Important** • When [Disabled] is selected as default and Color Space is set to [Device Color Space], [Auto Detect] of [Color Scanning] in the First Tab ([E-mail]/[Store to Folder]/[Network Scanning]/[Scan to PC]) does not appear. In addition, when the High Compression Image Kit (optional) is installed to the machine, [MRC High Compression] and [Specific Color] under [File Format] is not displayed either. For more information on Color Space, refer to "Color Space" (P.221).

### TIFF Format

Set the TIFF format for scanned data. You can select either [TIFF V6] or [TTN2].

### Image Transfer Screen

Select whether or not to display a message when the scan of a document completes.

■ **Disabled**

Does not display a scan completion message.

■ **Display Message at End of Scanning**

Displays a scan completion message.

■ **Display Scan & Transfer Screens**

Displays the transfer screen after scan completion. The scan completion message is not displayed.

■ **Display Message at End of Transfer**

Displays a transfer completion message.

### Searchable - Page Orientation

Set whether or not to handle the character orientation to be upright when the machine scans a document with OCR (Optical Character Recognition).

■ **Auto Upright Orientation**

Handles the character orientation upright regardless of the document orientation.

■ **According to Original Orientation**

Handles the character orientation depending on the document orientation.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### URL File Expiration

Set the retention period for files stored with the Store & Send Link feature. You can specify a value from 1 to 168 hours in 1 hour increments. The default value is 3 hours.

### Generation of URL Link

Set the format of URLs generated with the Store & Send Link feature. Select either [Use IP Address] or [Use FQDN].

The following are examples of URLs:

■ **If [Use IP Address] is selected:**

http://192.168.19.1/scanUrl/doc1/get.htm

■ **If [Use FQDN] is selected:**

http://pc1.mycompany.co.jp/scanUrl/doc1/get.htm

### Store & Send Link - Maximum File Size

Set the maximum data size of files that can be stored for the Store & Send Link feature. You can specify the value from 1 to 200 MB in 1 MB increments. The default value is 200 MB.

### Print Login Name on PDF Files

If scanning a document in PDF format when local machine authentication or remote authentication is enabled, you can set whether or not to add an authentication user name as the Author in the document properties of the PDF document.

# Fax Service Settings

In [Fax Service Settings], you can configure settings related to the Fax service.

**Note**
- This feature does not appear for some models. An optional component is required. The items displayed on the screen vary depending on the optional components installed. For more information, contact our Customer Support Center.
- You can register new address book entries in [Add Address Book Entry] under [Setup]. For more information, refer to "Add Address Book Entry" (P.261).

The following shows the reference section for each setting.

Screen Defaults ..... 226
Fax Defaults ..... 227
Fax Control ..... 228
Fax Received Options ..... 233
Reduce/Enlarge Presets ..... 234
Original Size Defaults ..... 234
Local Terminal Information ..... 234
Internet Fax Control ..... 236



*1* On the [Tools] screen, select [Fax Service Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

*2* Select an item to set or change.

## Screen Defaults

You can set items displayed on the [Fax/Internet Fax] screen.

### Fax Screen Default

Set the default screen that appears when [Fax/Internet Fax] on the [Services Home] screen is selected.

Select from [Fax Tab] and [Address Book].

### 1st Tab - Features Allocation

Set the features that appear on the [Fax/Internet Fax] screen.

#### ■ Feature in 2nd to 4th Column

You can set the features that appear in the second to the fourth column of the lower part on the [Fax/Internet Fax] screen.

Select the item to be displayed from [Not Selected], [2 Sided Faxing], [Original Type], [Resolution], [Confirmation Options], [Starting Rate], [Transmission Header], [Mixed Size Originals], and [Reduce/Enlarge].

[2 Sided Faxing] and [Mixed Size Originals] are not displayed on the screen for the models without the document feeder.

### Reduce/Enlarge - Button 3 - 5

You can set the magnifications displayed as [Preset %] which are displayed under [Reduce/Enlarge] in the [Layout Adjustment] screen. You can assign any magnification to the Reduce/Enlarge - Button 3 - 5

### Transmission Screen

Set whether or not to display transmission status during transmission.

## Fax Defaults

You can set the default settings of the Fax services. When the machine is turned on, or the machine exits from the Energy Saver mode, or when the <Clear All> button is pressed, the machine resets to the default values specified under this menu. By setting frequently used features and values as the defaults, you can simplify operations.

For more information on each setting item, refer to "4 Fax" in the User Guide.

### Resolution

Set the default value for [Resolution] in the [Fax/Internet Fax] screen.

### Original Type

Set the default value for [Original Type] in the [Fax/Internet Fax] screen.

### Lighten/Darken

Set the default value for [Lighten/Darken] in the [Fax/Internet Fax] screen.

### Mixed Size Originals

Set the default value for [Mixed Size Originals] in the [Layout Adjustment] screen.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Stamp

Set the default value for [Stamp] in the [Layout Adjustment] screen.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Skip Blank Pages

Set the default value for [2 Sided Scanning] in the [Fax/Internet Fax] and [Layout Adjustment] screens to [2 Sided (First Page 1 Sided)].

**Note** • This feature is for service representative use. For more information, contact our Customer Support Center.

### Starting Rate

Set the default value for [Starting Rate] in the [Fax/Internet Fax Options] screen.

### Delay Start - Specific Time

Set the default value for [Specific Time] of [Priority Send/Delay Start] in the [Fax/Internet Fax Options] screen when [Specific Time] is selected for [Delay Start].

### Transmission Header Text

Set the default value for [Transmission Header Text] in the [Fax/Internet Fax Options] screen.

### Confirmation Options

Set the default value for [Confirmation Options] of [Acknowledgement Report] in the [Fax/Internet Fax Options] screen.

**Note** • You can select Delivery Receipts or Read Receipts in [Delivery Confirmation Method]. For more information on the delivery confirmation method, refer to "Delivery Confirmation Method" (P.236).

### Delivery Receipts/Read Receipts

Set the default value for [Read Receipts] or [Delivery Receipt] of [Acknowledgement Report] in the [Fax/Internet Fax Options] screen.

**Note** • You can select Delivery Receipts or Read Receipts in [Delivery Confirmation Method]. For more information on the delivery confirmation method, refer to "Delivery Confirmation Method" (P.236).

### Internet Fax Profile

Set the default value for [Internet Fax Profile] in the [Fax/Internet Fax Options] screen.

### Internet Fax Subject

Set the default value for [Internet Fax Subject] in the [Fax/Internet Fax Options] screen. Up to 128 single-byte characters can be entered for the subject.

## Fax Control

You can configure the settings related to fax control.



### Re-enter Recipients

Set whether to re-enter the recipient after once specifying the recipient, to reduce the risk of sending a fax, IP fax, or an Internet fax to the wrong address. When [Re-enter Recipients] is set to [Enter Twice], if you specify the recipient by entering the phone number, or by selecting from the Address Book, the screen prompting you to re-enter the recipient appears. If the same recipient has been entered, the transmission process will start.

### Re-enter Broadcast Recipients

This setting is required when you selected [Enter Twice] for [Re-enter Recipients]. Set whether or not to allow the Broadcast Send.

- Enter Once Only

  Allows the Broadcast Send. No need to re-enter the recipient.

- Enter Twice

  Allows the Broadcast Send. Re-entering the recipient is required.

- Broadcast Disabled

  No Broadcast Send is allowed.

### Re-enter Speed Dial Recipients

This setting is required when you selected [Enter Twice] for [Re-enter Recipients]. Select how to re-enter a recipient after the first entry.

- Enter Once Only

  No need to re-enter the recipient.

- Enter Twice

  Use the Speed Dial feature to re-enter the recipient.

- Re-enter Fax Number or E-mail

  You cannot enter the speed dial when you re-enter the number or address. Use the fax number, SIP User ID (Sign-in Name), phone number or SIP user name for IP fax or e-mail address to enter the recipient.

### Re-enter Group Recipients

Specifies whether you need to re-enter group addresses after entering a group address.

- Group Send Disabled

  No group recipient is allowed.

- Enter Once Only

  No need to re-enter the group recipient.

- Enter Twice

  Re-entering the group recipient is required.

### Broadcast Checkbox on 1st Tab

Specify whether or not to show the [Enable Broadcast] checkbox in the [Fax/Internet Fax] screen to explicitly express broadcast directions.

### Chain Dial

Allows you to combine the fax numbers registered in one touch button, speed dial, and address book respectively and the numbers entered using the numeric keypad to specify as one recipient. You can select from [No] or [Yes].

**Note** • This item is valid when [Address Book Type] under [Tools] > [Address Book Settings] is set to [Type 1].

### Manual Redial List - Saved Entries

Specify the number of redial destinations saved.

### Manual Redial List - Dial Mode

Specify the destination type saved as a redial destination number.
When you deselect all the check boxes, the Redial feature becomes disabled.

### Transmission Header Text - Polling

Set whether or not to attach a transmission header to a polling file.

A polling is the function that a document is stored in the machine's public folder for polling, and can then be sent by an operation from the other party.

### Polled Files - Auto Delete

Set whether or not to automatically delete a polling file after transmission.

### Rotate 90 degrees

Set whether or not to automatically rotate a document if its image must be reduced in size unless it is rotated.

**Note** • If an arbitrary magnification is specified in [Reduce/Enlarge], the Rotate 90 Degrees feature does not function.

### G3 Sender ID - Fax

When using G3 communications, you can select whether to notify G3-ID to recipients for fax.

### G3 Sender ID - IP Fax (SIP)

When using G3 communications, you can select whether to notify G3-ID to recipients for IP Fax (SIP).

### Save Undelivered Faxes

Set whether or not to save a fax document if a fax transmission fails. When [Yes] is selected, the [Undelivered Faxes] button appears on the [Secure Print Jobs & More] tab of the [Job Status] screen. Select this button to send the fax document again.

For details on Undelivered Faxes, refer to "10 Job Status" > "Printing and Deleting Stored Jobs" > "Undelivered Faxes" in the User Guide.

### Save Deleted Faxes

When [Yes] is selected for [Save Undelivered Faxes], set whether or not to save cancelled faxes.

### Saved Faxes - Auto Delete

When [Yes] is selected for [Save Undelivered Faxes], set whether or not to automatically delete saved faxes in 24 hours.

### Transmission Interval

Specify a value for the interval between the end of one transmission and the beginning of the next, from 3 to 255 seconds in 1 second increments.

A longer transmission interval increases the total time to send a broadcast transmission, but allows calls to be received during the standby time.



### Batch Send

When the machine stores multiple faxes addressed to a destination, enabling the Batch Send feature allows you to send them all at the same time in a single fax transmission. By using this feature, you can reduce your communication costs.

Select whether or not to enable the Batch Send feature.
Note that a batch send is not available for manual transmissions, broadcasts, relay broadcasts, remote folder, and delayed start transmission with a specified time before the specified time. When a redial, resend, delayed start transmission job, or the Authentication feature is used and different users send to the same address, a batch send is not possible.

### Manual Send/Receive Default

When on-hook or off-hook is used when sending a fax, select either [Manual Receive] or [Manual Send].

**Note** • This setting is not valid for IP fax (SIP) because the IP Fax feature does not offer the Manual Send/Receive feature option.

### Fax Receiving Mode

Set the default value for [Fax Receiving Mode] in the [Machine Information] screen displayed by pressing the <Machine Status> button. Select whether or not to receive a fax automatically or manually.

**Note** • As for IP fax (SIP), the machine always receives faxes automatically.

### Border Limit

Set the length to make a page break that will be applied when the length of a received fax document is longer than the paper length. You can specify a value from 0 to 127 mm in 1 mm increments.

This setting can conveniently be used together with the following Auto Reduce on Receipt feature.

### Auto Reduce On Receipt

When the length of a received fax document exceeds the paper length but is within the page break threshold value, select whether or not to automatically reduce the image to fit the page.

This setting can conveniently be used together with the Border Limit feature. If you select [No], the part of the image beyond the paper length is ignored.

### Receiving Paper Size

Set the method of notifying the paper size on which the received fax document will be printed, from the receiver to the sender.

#### ■ Tray Mode

Specify the paper tray for printing the received fax document. Only the specified paper tray will be used for printing the received document. Multiple paper trays can be specified except for Tray 5. If the fax document cannot be printed on the paper loaded on the specified paper trays, the machine displays a message stating that it will be printed on the paper loaded in Tray 5. Load paper in Tray 5 and press the <Start> button to print the document. To cancel printing, press the <Clear All> button.

#### ■ User Mode

Specify the paper sizes to use for printing received fax documents. Regardless of whether the paper is loaded in the trays, only the specified size paper is used for printing. When you select [User Mode], select paper sizes from [A3], [A4], [A4], [A5], [B4], [B5], [8.5 x 11"], and [Select All]. You can select one or more paper sizes.



### 2 Pages Up On Receipt

Set whether or not to print two pages of a fax document on one side of a sheet. This is convenient for saving paper.

For example, when two A5 pages are received, they are printed on a single A4 sheet. However, if paper of the same paper size as the received document is specified in [Receiving Paper Size], it is printed on the specified size of paper. Depending on the sizes of the received document, two pages of the document may not be printed on one sheet of paper.

### 2 Sided Printing

Set whether or not to print received fax documents (including the Internet fax received documents) as 2 sided. This is convenient for saving paper.

**Note** • Even if you select [On], depending on the data, 2 sided printing may not always be possible.

### Edge Erase - Top & Bottom Edges

Specify the amount of edges erased from the document in the top and bottom directions. Specify a value from 0 to 20 mm in 1 mm increments.

### Edge Erase - Left & Right Edges

Specify the amount of edges erased from the document in the left and right directions. Specify a value from 0 to 20 mm in 1 mm increments.

### Reduce 8.5 x 11"□ Original to A4□

When [Reduce/Enlarge] in the [Layout Adjustment] screen is set to [Auto %], you can set whether or not to reduce 8.5 x 11"□ size document to A4□, while scanning the document.

### Pseudo-Photo Gradation Mode

You can select a gradation expression mode. Selecting this mode enables the machine to change the processing method for gray part (halftone) to achieve near-photo quality. Select

either [Error Diffusion] or [Dither].
Changing this setting also changes the photo gradation mode for Color Scanning (Black & White).

### Folder Selector Setup

Select whether or not to use the Folder Selector Setup feature.

The Folder Selector Setup feature allows you to classify received faxes by line type and store them in folders specified.

### Memory Full Procedure

If there is insufficient hard disk memory while scanning a document, a screen appears asking you how you want to handle the partially stored data.

Set the process you want the machine to perform for the partially stored data after a certain time has elapsed in the confirmation screen.

You can set the time until the memory full procedure is carried out. For more information, refer to "Auto Job Release" (P.145).

■ **Delete Job**

Deletes the data partially stored.

■ **Run Job**

Treats the read-in data as valid, and start scanning the document partially stored.



### Maximum Stored Pages

Set the maximum number of pages stored for a fax document. You can specify from 1 to 999 pages.

### Mixed Size Originals Scan Mode

Set the scan mode when the machine scans documents of various sizes simultaneously with the document feeder. If only documents of standard sizes are to be scanned, we recommend that you select [Standard Size Mode].

**Note**
- When [Standard Size Mode] is selected, image loss may occur if the following types of documents are scanned:
  - Non-standard size documents
  - B4 size documents with the inch series setting in [Paper Size Settings].

### Skip Blank Pages

Set whether or not to detect blank pages while scanning 2 sided documents and transmits only pages that are not blank.

**Note**
- This feature is for service representative use. For more information, contact our Customer Support Center.

### Fax Data in Folder Priority 1 to 3

Set the priority to display the fax information received using folders. For instance, when using Network Scanner Utility3, the fax information is displayed in the [Recipient] section of the file list screen.

There are priority levels from 1 to 3. All priority can be set, however, if you want to display only one priority level, make the settings of all priority levels the same.

**Note**
- This feature is not available for some models. An optional component is required. For more information, contact our Customer Support Center.

### Direct Fax

Set whether or not to receive a fax, which is instructed using a fax driver from a computer. When you select [Disabled], the Direct Fax feature becomes unavailable.

### Block Inbound Faxes

Set a G3-ID (fax number) from which you want to reject a fax reception. You can specify up to 50 G3-IDs.

You can find the G3-ID of the sender that you want to reject in "Remote Station" column of an Activity Report or "Input Source" column of a Job History Report.

### Block Unknown Fax Numbers

Set whether or not to receive faxes from unknown G3-ID. When [Yes] is selected, the machine does not receive faxes from unknown fax numbers.

## Fax Received Options

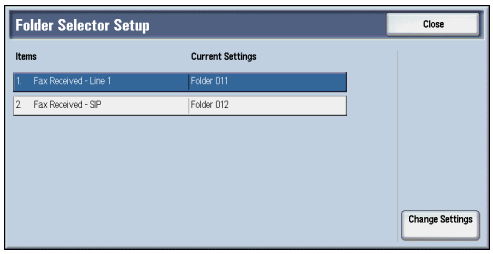
Fax Received Options allows you to specify a method for classifying received fax documents into specified folders.



### Folder Selector Setup

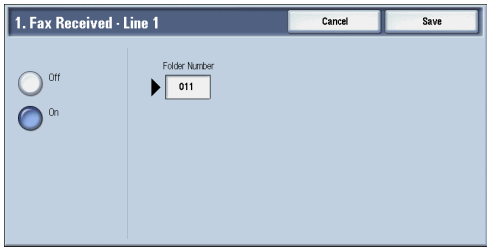
If you set the classification by line type, the machine classifies the received documents by line type and store them in the folders specified.

1. Select [Folder Selector Setup].
2. Select the line to register, and then select [Change Settings].




**Note** • The displayed items may vary depending on the options installed.

3. Select [On].
4. Enter the folder number (three digits) where you want to store the faxes with the numeric keypad.
5. Select [Save].




### Output Destination Setup

In [Output Destination Setup], you can set the output destination for each receiving line.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

• The displayed items may vary depending on the options installed.

#### ■ Fax Received - Line 1 to 3

Specify output tray for each line.

■ **Fax Received - SIP**

Specify output tray for IP fax (SIP).

■ **Public Folder Printed Files**

Specifies output tray for public folder for polling.

## Reduce/Enlarge Presets

You can set the magnifications displayed as [Preset %] which are displayed under [Reduce/Enlarge] in the [Layout Adjustment] screen. You can assign any magnification to the Reduce/Enlarge Preset buttons other than [100%] and [Auto %].

■ **Preset %**

You can select a ratio from preset ratios.

■ **Variable %**

You can specify a magnification from 50 to 400% in 1% increments.



## Original Size Defaults

You can set the original sizes displayed in [Original Size] in the [Layout Adjustment] screen.

You can assign original sizes to the buttons other than [Auto Detect].

If you frequently use non-standard size paper for scanning, setting non-standard size as the default will save your time to specify the size each time.

■ **A/B Series Size**

You can select a size from A and B series sizes such as A4 and B5.

■ **Inch Size**

You can select a size from Inch series sizes such as 8.5 x 11" and 11 x 17".

■ **Others**

You can select a size from other sizes such as photo and postcard.

## Local Terminal Information

You can set the local terminal information, including a local name and company logo.

**Note**
- The displayed items may vary depending on the options installed.
- There are a maximum of three lines that can be used for G3 communications: line 1, line 2, and line 3.
- You can set a company logo, G3 ID (fax number), G3 dial type, and G3 line type.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Local Name

Register the name of the local terminal as the local name.
The local name is shown in the recipient's touch screen or Activity Report. Depending on the recipient's device, however, it may not be displayed.
Specify a local name with up to 20 single-byte characters using the keyboard displayed or the numeric keypad.

### Company Logo

Register the sender name (company logo). The company logo is printed in the Transmission Header Text or Cover Page. Specify a company log with up to 60 single-byte characters using the keyboard displayed or the numeric keypad.

**Note** • If [Line 1 to 3 - Company Logo] or [Company Logo for SIP Line] is not registered, the company logo is used.

### Machine Password

Set the machine password when you want to limit the other parties that can send faxes.

When the machine password is set, only a party that sends the correct machine password by F code is allowed to send or poll. Note that this means that faxes cannot be accepted from a fax without the F Code feature.

### Line 1 to 3 - Company Logo

Register the sender names for lines 1 to 3. The sender name is printed in the Transmission Header Text or Cover Page. Enter up to 60 single-byte characters using the keyboard displayed or the numeric keypad.

### G3 Line 1 to 3 - Fax ID

When using G3 communications, register the G3 ID. The G3 ID is normally set to the local terminal fax number.

Specify a G3 ID with up to 20 digits using the keyboard displayed or the numeric keypad.

**Note** • A G3 ID (fax number) can consist of not more than 20 digits, including 0 to 9, +, and space.

### G3 Line 1 to 3 - Dial Type

Set the dial type.

■ **Tone**

Tone dialing line.

■ **10pps**

Pulse dialing line.

### G3 Line 1 to 3 - Line Type

Set the line type.

■ **PSTN**

Subscriber telephone line.

■ **PBX**

Private branch exchange.

### SIP Line - Company Logo

Register the sender names for IP fax (SIP). The sender name is printed in the Transmission Header Text or Cover Page. Enter up to 60 characters using the keyboard displayed or the numeric keypad.

### G3 SIP Line - ID

When using G3 communications, register the G3 ID for IP fax (SIP).

Specify a G3 ID with up to 20 digits using the keyboard displayed or the numeric keypad.

## Internet Fax Control

You can configure the settings related to the Internet fax control.

### Internet Fax Path

Set the Internet fax communication path.

■ **Via E-mail Server**

Sends e-mail via an SMTP server.

■ **Direct (P2P)**

Directly sends to the machine with the Internet Fax feature, without going through an SMTP server.

You can specify the following two types of e-mail address for the Internet Fax feature:

- Specifying a host name

  @ must be followed by FQDN.
  Example: local-part@device.domain.jp

- Specifying an IP address

  @ must be followed by an IP address with brackets.
  Example: local-part@[129.249.123.1]



### Profile for Broadcast Job

Set the default value for an Internet fax profile when performing an Internet fax broadcast send.

A profile is specified to restrict attribute information such as image resolution and paper size for transmissions between Internet Fax-enabled machines.

**Important** • The supported TIFF-file profiles vary depending on the destination Internet Fax-enabled machine. Before specifying a profile, check the profile that the destination machine supports.

■ **TIFF-S**

The Internet fax standard profile. For documents larger than A4, the size is automatically reduced to A4 when transmission.

■ **TIFF-F**

Select this profile when you specify [Superfine] for [Resolution] or when you send A3 or B4 documents.

■ **TIFF-J**

Select this profile for sending documents in JBIG.

### Broadcast Starting Rate

Set the default value for the communications mode for the broadcasting for the Internet fax.

### Delivery Confirmation Method

Set the default value for the method of confirming that an Internet fax sent has arrived or not.

To print a transmission result, set [Print Delivery Confirmation Mail] to [On] under [E-mail/ Internet Fax Service Settings] > [E-mail Control].

**Note** • You can select [Delivery Receipts] when the destination machine supports the DSN feature. You can use [Read Receipts] when the destination machine supports the MDN feature.

■ **Delivery Receipts**

You can confirm whether the Internet fax you sent is delivered to the recipient's folder successfully.

■ **Read Receipts**

You can confirm whether the Internet fax including attachments you sent is processed properly at the recipient.

### Incoming Internet Fax Print Options

When an e-mail sent from an Internet fax compatible machine to the e-mail address of the machine is received, you can select the print operation.

■ **Print Attachment Only**

Only prints the attached documents.

■ **Attachment, Full Headers & Message**

Prints the e-mail header and body of e-mails.

■ **Attachment, Basic Headers & Message**

Prints the part of headers (From/To/Subject/Date) and the contents of e-mails.

When you select [Do not print if no message], the machine prints only e-mail that has contents.



### Internet Fax Output Destination

Set the output tray to use for printed Internet fax documents.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

### Fax Transfer from Address Book

Set whether to permit forwarding of Internet fax data received by e-mail via SMTP when the forwarding destination is not registered on the Address Book.

■ **Off**

Permits forwarding.

■ **On**

Checks whether the forwarding fax number is listed in the Address Book, and if not, rejects receiving the e-mail and deletes it.

### Transmission Header Text - Fax Transfer

When forwarding received e-mail from Internet fax to fax, select whether or not to add a Transmission Header Text (start time, company logo, recipient name, G3 ID, and number of pages).

### Fax Transfer Maximum Data Size

When forwarding a received e-mail from Internet fax to fax, set the maximum data size.

■ **No Limit**

No limit on data size.

■ **Limit Size**

Specify a value from 1 to 65535 KB in 1 KB increments. If a data size exceeds the specified value, the data is deleted.

# E-mail/Internet Fax Service Settings

In [E-mail/Internet Fax Service Settings], you can configure settings related to the e-mail and the Internet Fax service.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

1 On the [Tools] screen, select [E-mail/Internet Fax Service Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.

## E-mail Control

You can configure the settings for e-mail and Internet fax transmissions.

### Maximum Address Entries

Set the maximum number of addresses that can be specified when sending an e-mail. The number of addresses is the total number of To:/Cc:/Bcc:.

You can set the maximum number of addresses from 1 to 100. If the maximum number of addresses exceeds, the e-mail transmission is aborted.

**Important** • This option is not applicable to the Internet Fax service.

### Incoming E-mail Print Options

When an e-mail sent to the e-mail address of the machine is received, you can select the print operation.

■ **Print Attachment Only**

Only prints the attached documents.

■ **Attachment, Full Headers & Message**

Prints the e-mail headers and body of e-mails.

When you select [Attachment, Full Headers & Message (with S/MIME Info)], S/MIME Information is also printed.

■ **Attachment, Basic Headers & Message**

Prints the part of headers (From/To/Subject/Date) and the contents of e-mails.

When you select [Do not print if no message], the machine prints only e-mail that has contents.

### Print Error Notification E-mail

Select whether the error e-mail because of an incorrect address or transmission error should be automatically printed.

**Note** • The job for printing error e-mail is displayed as an error on the [Job Status] screen and a Job History Report even when the job has been complete successfully.

### Response to Read Receipts

Set whether or not to respond when a read receipt (MDN) is requested.

■ **Off**

Does not respond.

■ **On**

Automatically notifies the sender that the e-mail has been processed.

### Read Receipts

When an e-mail is sent from the machine, select whether or not to use the Read Receipts feature.

■ **Off**

The Read Receipts feature is disabled.

■ **On**

Uses the Read Receipts feature.

**Note** • For the Internet fax read receipts setting, select either [Delivery Receipts] or [Read Receipts] in [Delivery Confirmation Method] under [Tools] > [Fax Service Settings] > [Internet Fax Control].

### Print Delivery Confirmation Mail

Select whether or not to automatically print transmission result e-mails (DSN response/MDN response).

■ **Off**

Does not print transmission result e-mails.

■ **On**

Transmission result e-mails are automatically printed regardless of success or failure of the transmission.

■ **Print when delivery fails**

Prints only when the transmission failed.

### Split Send Method

Set the default value for the mail split method.

■ **Split into Pages**

Splits into pages.

■ **Split by Data Size**

Splits by the data size set in [Maximum Data Size per E-mail].

### Maximum Data Size per E-mail

Set the upper limit of the data size for splitting mail.

Specify a value from 512 to 20480 KB in 1 KB increments. The default value is 10240.

### Maximum Total Data Size

Set the upper limit of the data size of mail.

Specify a value from 512 to 200000 KB in 1 KB increments. The default value is 200000.

### Maximum Split Count

Set the split upper limit for when splitting mail.

Specify not to split mail or a value from 2 to 500.

### Allow Casual Users to Edit From Field

Set whether or not to protect e-mail addresses from being changed by unregistered users under [From] on the [E-mail] tab.

### Allow Guest Users to Edit From Field

Set whether or not to protect e-mail addresses from being changed by guest users under [From] on the [E-mail] tab.

### Allow to edit From if Search Found

Set whether or not to protect e-mail addresses from being changed under [From] on the [E-mail] tab when a login user retrieves an e-mail address.

### Allow to edit From if Search Failed

Set whether to protect e-mail addresses from being changed under [From] on the [E-mail] tab when a login user fails to retrieve an e-mail address.

### E-mail Sending When Search Failed

Set whether or not to disable the [E-mail] service when a login user fails to retrieve an e-mail address.

### Add Me to "To" Field

Set whether or not to automatically add the sender's address to the To field.

### Add Me to "Cc" Field

Set whether or not to automatically add the sender's address to the CC field.

### Edit E-mail Recipients

Set whether or not to permit to edit e-mail recipients (To, CC, BCC). Selecting [No] prevents e-mails from being sent to unintended destinations.

**Important** • If you set [Edit E-mail Recipients] to [No], set [Add Me to "To" Field] to [Yes].

# Address Book Settings

In [Address Book Settings], you can configure settings related to the e-mail and the address book.

1 On the [Tools] screen, select [Address Book Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.

### Address Book Type

Select the type of the Address Book from [Type 1] or [Type 2].

### Directory Service

Select whether or not to use an address book stored on the directory server.

Even when [Enabled] is selected, the address book of the directory server will not be started unless the following conditions are satisfied.

- The IP address of the machine must be set.
- The IP address or Internet address of the directory server (primary) must be set.
- The port numbers used for LDAP communication must be set on the directory server and the machine.

### Address Book Default - Scan

Select from [Public Entries] or [Network Entries].

**Note** • This item can be set when [Directory Service] is set to [Enabled].

### Address Book Default - Fax

Select from [Public Entries] or [Network Entries].

**Note** • This item can be set when [Directory Service] is set to [Enabled].

### Search Display Default

Select from [Simple Search] or [Advanced Search].

**Note** • This item can be set when [Address Book Type] is set to [Type 1].

### Fax Speed Dial Default

Specify the default speed dial to display at the top of the [Fax Address Book] screen.

Set the number from 1 to 2000.

**Note** • Available numbers to assign to speed dials are different depending on your machine configuration. For more information, contact our Customer Support Center.

# Folder Service Settings

In [Folder Service Settings], you can configure settings to handle files stored in folders.

1 On the [Tools] screen, select [Folder Service Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.

### Files Retrieved By Client

Set whether or not to delete a file stored in a folder when a client retrieves it.

■ **Delete according to Folder settings**

Operates following the settings for individual folder.

For more information about setting folders, refer to "Delete Files After Retrieval" (P.251).

■ **Force Delete**

Ignores the settings for individual folder, and when a file is retrieved by a client, the retrieved file is forcibly deleted.

### File Display Default

Set the display method of the file list screen. Select from [List] or [Thumbnail].

### Print & Delete Confirmation Screen

Set whether or not to display a confirmation screen for automatically deleting files after printing the files stored in a folder.

### Convert Custom Size to Standard Size

Set whether or not to convert custom size to standard size when transferring a fax/Internet fax received or a file for Secure Polling in the folder.

### Standard Size Threshold Value

Specify a threshold value for converting custom size to standard size when [Convert Custom Size to Standard Size] is set to [Yes (Fax & Internet Fax files only)].

Specify the value from 0 to 10 mm in 1 mm increments.

### Internet Fax to Internet Fax

Select whether or not to permit Internet fax forwarding of files received in a folder.

### Internet Fax to E-mail

Select whether or not to permit e-mail forwarding of files received in a folder.

### Quality/File Size for Retrieval

Select a quality and size for files highly compressed and retrieved from folders. Select from [Quality: Normal, File Size: Small], [Quality: Higher, File Size: Larger], and [Quality: Maximum, File Size: Largest].

# Job Flow Service Settings

In [Job Flow Service Settings], you can configure the settings related to the Job Flow. The Job Flow is a function to perform a series of jobs registered.

Also, in [Job Flow Service Settings], you can configure a pool server. As for [Pool Server], [Pool Server Login Method], and [Job Flow Sheet List Default], however, leave the default settings unchanged because a pool server is not available for the machine.

You can select a resolution in [Fax Transfer Resolution] when you transfer a scanned document as a fax.

## Pool Server

Set the default values for [Save in], [Owner], and [Target] of Job flow sheets which are displayed when you select [Job Flow Sheets] on the [Services Home] screen.

### ■ Save in

Leave the default setting unchanged.

### ■ Owner

Select the owner of job flow sheets from [Administrator] and [Non-System Administrator] to filter.

**Note** • When the machine is in the Authentication mode, select the owner from [Shared] or [Personal].

### ■ Target

Select the target of job flow sheets from [Scan Jobs], [External Application], and [Copy] to filter.

## Pool Server Login Method

Leave the default setting unchanged.

## Job Flow Sheet List Default

Leave the default setting unchanged.

## Fax Transfer Resolution

Select the resolution setting when you send a color document as a fax using the Job Flow feature.

### ■ Same Resolution (High Quality)

Converts color images to black and white images on a document with the same resolution when the document is transferred as a fax. Conversion of high resolution color images will take longer.

### ■ 200 dpi (High Speed)

Converts color images to black and white images of 200 dpi on a document when the document is transferred as a fax.

Reduces the time when converting color images of 300 dpi or higher to black and white images. 200 dpi is equivalent to [Fine] in fax transmission.

# Media Print Service Settings

In [Media Print Service Settings], you can select the paper trays displayed for [Paper Supply] in the [Media Print Text] and [Media Print Photos] screens.

When the USB Memory Kit (optional) is installed in the machine, you can import and print image data (DCF1.0 (Exif 2.0 - 2.2 compliant JPEG/TIFF files)) from a digital camera and document files (PDF, TIFF, XML Paper Specification (XPS), XDW, XBD, or JPEG (JFIF)). This feature is called the Media Print feature.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

*1* On the [Tools] screen, select [Media Print Service Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

*2* Select an item to set or change.

### Text - Paper Supply - Button 2 to 5

Select the paper tray displayed in the second to fifth columns for [Paper Supply] on the [Media Print - Text] screen.

### Photos - Paper Supply - Button 1 to 5

Select the paper tray displayed in the first to fifth columns for [Paper Supply] on the [Media Print - Photos] screen.

# Stored File Settings

In [Stored File Settings], you can select whether to automatically delete files stored on the folder or the machine. Set the expiration date and the time of deletion.

You can also set whether or not to delete the stored file by file type.

1 On the [Tools] screen, select [Stored File Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.

## Expiration Date for Files in Folder

You can set expiration date for the file in a folder. To delete stored files automatically, specify an expiration date and deletion time. The settings apply to all folders.

### ■ Off

Does not automatically delete the print files stored in the machine.

### ■ On

Allows you to set the file retention period and the expiration date. The stored files will be deleted after the time specified in [Files deleted at] passed.

### ■ Files kept for

Set the file retention period from 1 to 14 days.

### ■ Files deleted at

Set the deletion time for the expired files from 1 to 12 hours for AM or PM and 0 to 59 minutes.

**Note** • When you select [24 Hour Clock] in [Common Service Settings] > [Machine Clock/Timers] > [Time], set the deletion time from 0 to 23 hours and 00 to 59 minutes.

To automatically delete files at the time specified here, you need to set [Delete Expired Files] to [Yes]. For more information, refer to "Delete Expired Files" (P.251).

## Stored Job Expiration Date

You can set whether or not to automatically delete print files (Charge Print, Private Charge Print, Secure Print, or Sample Print) stored in the machine.

### ■ Options

Set the retention period for stored jobs.

Select from [Off], [On], and [Same Date as Files in Folder]. When [On] is selected, set value for [Files kept for] from 1 to 23 hours in 1 hour increments. If the time elapses, print files stored in the machine are deleted. When [Same Date as Files in Folder] is selected, print files stored in the machine are deleted in accordance with the setting in [Expiration Date for Files in Folder].

### ■ Power Off Deletes Jobs

Allows you to set whether or not to delete print files stored when the machine is turned off and then on. When you select [Yes], all stored print files are deleted. When you select [No], the machine deletes only the expired stored print files.

**Important** • If you select [Yes], all print files stored will be deleted regardless of the setting in [Options].

### Display Details of Stored Print Job List

Set whether or not to display detailed information, such as output color and 2-sided printing, in the stored job list of print files (Charge Print, Secure Print, Sample Print, or Delayed Print). When you select [On], the detailed information is displayed in the list. When you select [Off], you can see more jobs at a time since the detailed information is not displayed.

### Print Job Confirmation Screen

Set whether or not to display a print confirmation screen for deletion of the print files stored in the machine after printing. When [Enabled] is selected, the confirmation message appears. You can change the number of print sets if the print settings are permitted to be modified. When [Disabled] is selected, print files stored in the machine are automatically deleted after printing.

### Minimum Passcode Length for Stored Jobs

Set the minimum number of allowed passcode digits between 0 and 12 digits. A passcode is required when Secure Print or Private Charge Print files are to be stored or printed.

A passcode must be a string consisting of the number of digits that is equal to or larger than the value specified here.

**Note** • Specify "0" if you do not set passcodes or the minimum number of digits.

### Print Order for All Selected Files

Specify the printing order when you select to print all print files stored.

■ **Date & Time: Oldest First**

Prints files in chronological order.

■ **Date & Time: Newest First**

Prints files in reverse chronological order.

■ **File Name: Ascending**

Prints files in ascending order by file name.

■ **File Name: Descending**

Prints files in descending order by file name.

# Web Browser Setup

In [Web Browser Setup], you can configure the settings for the browser to be used when the machine accesses a web application using the Web Applications feature.

Remote access allows you to view web application services, which are compatible with the machine, directly on the touch screen, to upload a document that has been scanned on the machine to the web applications, and to directly select and print a document that is stored in the remote server. It also allows you to directly upload and print a file without going through another computer.

**Note** • To use this feature, any Fuji Xerox manufactured web applications (purchase separately) are required. For more information, contact our Customer Support Center.

1 On the [Tools] screen, select [Web Browser Setup].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.

### Web Applications Version

Select a version of the Web applications service from [V2 (Old Version)] and [V4 (New Version)].

**Important** • If [V2 (Old Version)] is selected, the following settings become invalid: [Delete Persistent Cookie Upon Closing], [Clear Cache Upon Closing], [Use Cache], [Accept Cookies], [Use TLS1.0], [Use SSL3.0], [When SSL Certificate Verification Fails], and [Enable File Printing].

**Note** • When you use V3 of the web application version, select [V4 (New Version)].

### Delete Persistent Cookie Upon Closing

Set whether or not to delete persistent cookie when connection to a Web application ends.

### Clear Cache Upon Closing

Set whether or not to delete cache when connection to a Web application ends.

### Use Cache

Set whether or not to use cache.

### Accept Cookies

Set whether or not to accept cookies.

Select from [No], [Yes], or [Warn user when cookie is offered].

When you select [Warn user when cookie is offered], the machine behaves as when you select [Yes].

### Use TLS1.0

Set whether or not to use TLS 1.0.

### Use SSL3.0

Set whether or not to use SSL 3.0.

### When SSL Certificate Verification Fails

Set whether to stop accessing the site or to display a confirmation screen for access if SSL certificate verification fails.

### Enable File Printing

Set whether or not to use the File Printing feature.

The File Printing feature allows you to directly print the printable files obtained from the remote Web server.

# Setup

In [Setup], you can create or update folders, job flows, and the Address Book.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

The following shows the reference section for each setting.


Create Folder ..... 250
Stored Programming ..... 252
Create Job Flow Sheet ..... 252
Create Job Flow Sheet Keyword ..... 261
Add Address Book Entry ..... 261
Create Fax Group Recipients ..... 268
Add Fax Comment ..... 269
Paper Tray Attributes ..... 269


*1* On the [Tools] screen, select [Setup].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

*2* Select an item to set or change.



## Create Folder

Using the Folder function enables you to store scanned documents using the machine, fax received documents, or print documents sent from a computer in the machine.

You also can send a file stored in a folder via e-mail or retrieve a file stored in a computer on a network.

You can create a private folder and a public folder in the machine and use them separately depending on your purpose.

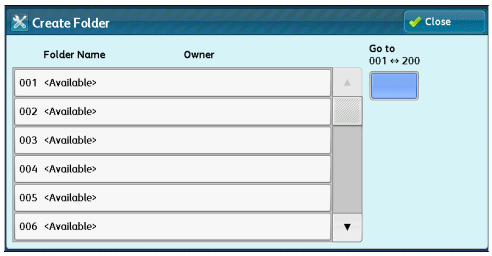
You can create up to 200 folders.

You can check the current folders in a Folder List. For more information, refer to "Folder List" (P.111).

*1* Select [Create Folder].

*2* Select the folder to create.

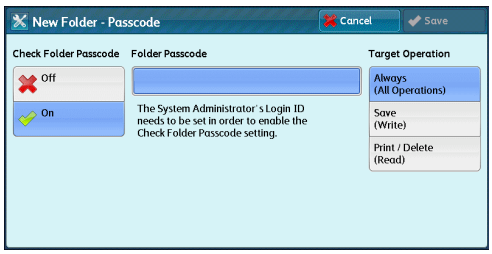
**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.
• Entering a 3-digit folder number with the numeric keypad displays the specified folder at the top of the column.




*3* When you create a folder, the [New Folder Passcode] screen appears. Select items, and then select [Save].

**Note** • When you select a folder already created, the [Folder XXX - Create/Delete] screen appears.

For more information on assigning a passcode, refer to "Check Folder Passcode" (P.251).




*4* Select items and set the required settings.

5 When you finish required settings, select [Save].

### Folder Name

Set the folder name. Enter up to 20 single-byte characters using the keyboard displayed or the numeric keypad.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Check Folder Passcode

Set an access restriction to permit operations for specified users only.

#### ■ Check Folder Passcode

Set whether or not to set a passcode.

- Off

  Does not set an access restriction.

- On

  Set a passcode for access restriction

#### ■ Folder Passcode

To use the Check Folder Passcode feature, enter a passcode. You can enter a passcode of up to 20 numeric digits (0 to 9).

#### ■ Target Operation

Set the operations to be restricted.

- Always (All Operations)

  A passcode entry is required when a folder is selected or a file in a folder is printed or deleted.

- Save (Write)

  A passcode entry is required when a folder is selected.

- Print/Delete (Read)

  A passcode entry is required when printing or deleting the file in the folder.

### Delete Files After Retrieval

When a file stored in a folder is printed or is retrieved from a remote server, set whether the file should be deleted.

#### ■ No

The file is left stored.

#### ■ Yes

After the file is printed, or is retrieved by an external source, it is automatically deleted.

**Note** • If you select [Yes], a file is not deleted when retrieved from CentreWare Internet Services.

### Delete Expired Files

Specify whether or not to enable the operation to delete files stored in a folder at a specified time after a retention period has elapsed.

#### ■ No

Even when the retention period has elapsed, files are not deleted.

■ **Yes**

Deletes expired files at the specified time. If, however, the expiration date has not been specified, files are not deleted even when [Yes] is selected.

**Note** • When the machine is off at the deletion time of an expired file, the file is deleted next time the deletion time comes after the machine is turned on.

For information on setting the file retention period, refer to "Expiration Date for Files in Folder" (P.246).

### Link Job Flow Sheet to Folder

You can link a job flow sheet to a folder. Linking a job flow in which a series of actions is recorded to a folder enables you to set the processing method for files stored in a folder.

For information on how to register a job flow, refer to "Create Job Flow Sheet" (P.252).

■ **Cut Link**

Cancels the link between a folder and a linked job flow sheet.

■ **Create/Change Link**

A screen to link a job flow sheet appears. You can select the existing job flow sheets or create a new job flow sheet.

For more information about the operation, refer to "Create Job Flow Sheet" (P.252).

■ **Auto Start**

If you select the [Auto Start] check box, when a file is stored in a folder, the procedures registered on the job flow linked automatically starts.

### When the [Delete Folder] Button is Selected

Selecting this button deletes the selected folder. Any files stored in the folder are also deleted.

If [Login Type] is set to [No Login Required], all the job flow sheets, including a local user created on the [Create Folder] screen or job flow sheets created on the [Send from Folder] screen, are deleted as well.

**Important** • Once files or job flow sheets are deleted, they cannot be restored.

## Stored Programming

The Stored Programming feature enables you to register frequently used settings and record a series of operations.

For more information on operation, refer to "8 Stored Programming" > "Registering/Deleting/Renaming Stored Programs" in the User Guide.

## Create Job Flow Sheet

Job flow is a feature to execute a series of registered actions. Up to 1000 job flow sheets can be created.

The target of a job flow is files stored in a folder. A job flow can be executed by using one of the following three methods:

- by automatically starting a job flow when a file is stored in a folder
- by selecting a file stored in a folder to manually execute the associated job flow
- by selecting a file stored in a folder to select a job flow and execute manually

To start a job flow automatically, you must link the job flow to a folder. When a file is stored in the folder, it is automatically processed in accordance with the job flow sheet linked.

**Note** • To link a folder with a job flow sheet created with [Create Job Flow Sheet], start from [Send from Folder] or [Create Folder]. For more information, refer to "6 Send from Folder" in the User Guide and "Create Folder" (P.250).

Features that can be registered are listed below.

- Forward to (FTP, SMB, e-mail, fax, IP fax, and Internet fax)
- Print

**■ Depending on the method of storing in the folder, there are restrictions on the combination of features.**

| Output / Input | Print | Fax | IP Fax (SIP) | Internet Fax *1 | Mail | FTP | SMB |
|---|---|---|---|---|---|---|---|
| Fax Documents for Secure Polling | O | O | O | O | O | O | O |
| Scanning | O | O | O | O | O | O | O |
| Fax to Folder | O*2 | O | O | O | O | O | O |
| Internet Fax Received | O | O | O | ? | ? | O | O |
| Print Stored | X | X | X | X | X | X | X |

O :Available
X :Not available
? :Available depending on the System Administration mode settings

*1 :Load an A4 document in landscape orientation when TIFF-S has been selected for the Internet fax forwarding profile. Loading the document in portrait orientation will reduce the size of the Internet fax image.
*2 :If the fax USB cable is disconnected while a received fax file in a folder is being printed, the file is not deleted after printing, even if the delete after printing setting is enabled in the folder settings.

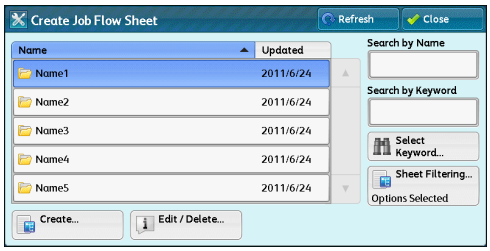
## Restrictions on Using Job Flow

A job flow can be used by single or multiple users, or can be used by linking to a specific folder. The Authentication feature restricts the use of the job flows.

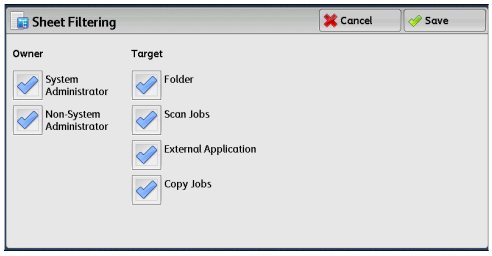
For information on the available Job Flow features and restrictions on use, refer to "Authentication for Job Flow Sheets and Folders" (P.397).

1 Select [Create Job Flow Sheet].

2 Carry out the job flow operation in accordance with your purpose.



### ■ Sheet Filtering




You can filter the job flow sheets to display.

Select the filtering conditions, and then select [Save].

**Note** • The screen displayed varies depending on the Login Type selected.

- Owner

  Filters job flow sheets by owner type.

- Target

  Filters job flow sheets by target, such as scan jobs and folders.

### ■ Create

Displays the [Create New Job Flow Sheet] screen.

Refer to "Create New Job Flow Sheet" (P.254).

### ■ Edit/Delete

Displays the [Details] screen.

Refer to "Edit/Delete" (P.260).

### ■ Search by Name

Searches for job flows that partially match the entry. The machine searches through job flow names that were registered upon each job flow creation. You can enter up to 128 characters.

For information about how to enter characters, refer to "Entering Text" (P.33).

### ■ Search by Keyword

Searches for job flows that fully match the entry. The machine searches through keywords that were registered upon each job flow creation.

For information about how to enter characters, refer to "Entering Text" (P.33).

### ■ Select Keyword

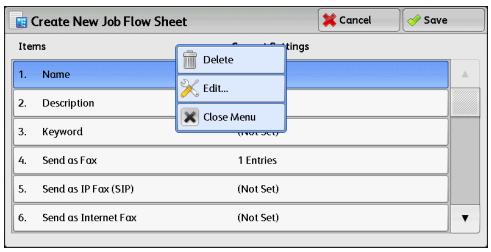
Displays the [Select Keyword] screen. Select a keyword registered in the System Settings to search for job flows. Job flows that fully match the entry are searched. The machine searches through keywords that were registered upon each job flow creation.

For information on the keyword registry, refer to "Create Job Flow Sheet Keyword" (P.261).

## Create New Job Flow Sheet

Create a new job flow.

*1* Select an item to set, and then select [Edit].




### ■ Delete

Deletes all setting values of the selected item.

■ **Edit**

Confirm or change the settings of the selected item.

■ **Close Menu**

Deselect the selected item.

### Name

Set the name for the job flow sheet with up to 128 single-byte characters.

### Description

Set the description of the job flow sheet with up to 256 single-byte characters.

### Keyword

Enter a keyword with up to 12 single-byte characters for job flow search. You can also use the keywords that are registered for [Create Job Flow Sheet Keyword].

For information on the job flow keyword search, refer to "Create Job Flow Sheet Keyword" (P.261).

### Send as Fax

Specify destinations for fax transmission. You can specify a total of 100 destinations, either by selecting from the Address Book or by direct input.

**Important** • You cannot use wildcards or group dial numbers.

**Note** • This item is not displayed when the Server Fax feature is enabled.

■ **Speed Dial**

Specify an address with a speed dial. Enter the speed dial with the numeric keypad, and select [Save]. The address specified appears in [Name/Fax Number] in the [Send Fax] screen.

■ **New Recipient**

Specify a new address. The address specified appears in [Name/Fax Number] in the [Send Fax] screen.

■ **Name/Fax Number**

Displays the recipient name or fax number specified.

■ **Delete Recipient**

Deletes all information for the selected recipient.

■ **Edit**

Allows you to check or change the recipient selected.

For more information on the [Edit Recipient] screen, refer to "5 Scan" in the User Guide.

■ **Cancel**

Deselect the selected item.

### Send as IP Fax (SIP)

■ **Speed Dial**

Specify an address with a speed dial. Enter the speed dial with the numeric keypad, and select [Save]. The address specified appears in [Name/Fax Number] in the [Send as IP Fax (SIP)] screen.

■ **New Recipient**

Specify a new address. Select an item to change, and select [Change Settings]. The address specified appears in [Name/Fax Number] in the [Send as IP Fax (SIP)] screen.

■ **Name/Fax Number**

Displays the name and fax number specified.

■ **Remove**

Deletes all information for the selected recipient.

■ **Edit**

Displays the [Edit Recipient] screen, which allows you to check or change the recipient selected.

For more information on the [Edit Recipient] screen, refer to "5 Scan" in the User Guide.

## Send as Internet Fax

Specify destinations for fax transmission. You can specify a total of 100 destinations, either by selecting from the Address Book or by direct input.

**Important** • You cannot use wildcards or group dial numbers.

**Note** • This item is not displayed when the Server Fax feature is enabled.



■ **Speed Dial**

Specify an address with a speed dial. Enter the speed dial with the numeric keypad, and select [Save]. The address specified appears in [Name/E-mail Address] in the [Send Internet Fax] screen.

■ **New Recipient**

Specify a new address. The address specified appears in [Name/E-mail Address] in the [Send Internet Fax] screen.

■ **Name/E-mail Address**

Displays the recipient name or address specified.

■ **Delete Recipient**

Deletes all information for the selected recipient.

■ **Edit**

Displays the [Edit Recipient] screen, which allows you to check or change the recipient selected.

For more information on the [Edit Recipient] screen, refer to "5 Scan" in the User Guide.

■ **Close Menu**

Deselect the selected item.

■ **Message**

Enter body message of an Internet fax with the keyboard displayed.

■ **Internet Fax Profile**

Select an Internet fax profile.

A profile is specified to restrict attribute information such as image resolution and paper size for transmissions between Internet Fax-enabled machines.

■ **Resend Attempts**

Set whether or not to try sending again if a transmission fails. If you select [On], set the number of resend attempts and interval.

- Resend Attempts

  Set the transmission retry count from 1 to 5.

- Resend Interval

  Set the transmission retry interval from 30 to 300 seconds.

■ **Transmission Header Text**

Set whether or not to add a Transmission Header Text to an Internet fax.

## Send as E-mail

Specify the recipients for e-mail transmission.

You can specify a total of 100 addresses, either by selecting from the Address Book or by direct input.

If [Encryption] is set to [On], you cannot specify a recipient by selecting [New Recipient].

■ **Address Book**

You can specify the recipients from the Address Book. The address specified appears in [Name/E-mail] in the [Send E-mail] screen.

■ **New Recipient**

Specify a new address. The address specified appears in [Name/E-mail] in the [Send E-mail] screen.

■ **Name/E-mail Address**

Displays the recipient name or e-mail address specified.

■ **Subject**

Enter a subject using the keyboard displayed.

■ **Delete Recipient**

Deletes all information for the selected recipient information.

■ **Edit**

Displays the [Edit Recipient] screen, which allows you to check or change the recipient selected.

For more information on the [Edit Recipient] screen, refer to "5 Scan" in the User Guide.

■ **File Format**

Select an output file format.

For more information on the [File Format] screen, refer to "5 Scan" in the User Guide.

■ **Resend Attempts**

Set whether or not to try sending again if a transmission fails. If you select [On], set the number of resend attempts and interval.

- Resend Attempts

  Set the transmission retry count from 1 to 5.

- Resend Interval

  Set the transmission retry interval from 30 to 300 seconds.

■ **Encryption**

Set whether or not to encrypt the e-mail transmission.

**Note**
- To encrypt e-mail transmission, the configuration of S/MIME is required.
- To encrypt e-mail transmission, a certificate is required.
- To enable encryption, select [On] before specifying an address. [On] will be disabled after an address is specified.

■ **Digital Signature**

Select whether or not to add digital signature.

**Note**
- To add digital signature, the configuration of S/MIME is required.
- To add digital signature, a certificate is required.

## Transfer via FTP (1), Transfer via FTP (2)

Specify where FTP forwarding is to be stored.

[Transfer via FTP (2)] will be displayed when [Transfer via FTP (1)] is configured.



■ **Address Book**

When the server address is registered on the Address Book, you can specify the address from the Address Book. The specified address appears in the [Transfer via FTP (1)] or [Transfer via FTP (2)] screen.

For more information on the Address Book, refer to "Add Address Book Entry" (P.261).

■ **File Format**

Specify an output file format.

For more information on the [File Format] screen, refer to "5 Scan" in the User Guide.

■ **Resend Attempts**

Set whether or not to try sending again if a transmission fails. If you select [On], set the number of resend attempts and interval.

- Resend Attempts

  Set the transmission retry count from 1 to 5.

- Resend Interval

  Set the transmission retry interval from 30 to 300 seconds.

■ **Name, Server, Save in, User Name, and Password**

Select [Name], [Server], [Save in], [User Name], or [Password] to display an input screen.

The numbers of characters you can input are as follows:

- Name: Up to 18 single-byte characters
- Server: Up to 64 single-byte characters
- Save in: Up to 128 single-byte characters
- User Name: Up to 97 single-byte characters
- Password: Up to 32 single-byte characters

## Transfer via SMB (1), Transfer via SMB (2)

Specify where SMB forwarding is to be stored.

[Transfer via SMB (2)] will be displayed when [Transfer via SMB (1)] is configured.

■ **Address Book**

When the server address is registered on the Address Book, you can specify the address from the Address Book. The specified address appears in the [Transfer via SMB (1)] or [Transfer via SMB (2)] screen.

For more information on the Address Book, refer to "Add Address Book Entry" (P.261).

■ **File Format**

Specify an output file format.

For more information on the [File Format] screen, refer to "5 Scan" in the User Guide.

■ **Resend Attempts**

Set whether or not to try sending again if a transmission fails. If you select [On], set the number of resend attempts and interval.

- Resend Attempts

  Set the transmission retry count from 1 to 5.

- Resend Interval

  Set the transmission retry interval from 30 to 300 seconds.

■ **Name, Server, Shared Name, Save in, User Name, and Password**

Select [Name], [Server], [Shared Name], [Save in], [User Name], or [Password] to display an input screen.

The numbers of characters you can input are as follows:

- Name: Up to 18 single-byte characters
- Server: Up to 64 single-byte characters
- Shared Name: Up to 64 single-byte characters
- Save in: Up to 128 single-byte characters
- User Name:

  For domain users: up to 97 characters with the format of “user name@domain name” or “domain name\user name”

  (user name and domain name must be up to 32 and 64 single-byte characters, respectively)

  For local users: up to 32 single-byte characters
- Password: Up to 32 single-byte characters

## Print

Configure print settings. When [On] is selected, you can configure the settings for the Print feature.

■ **Print Quantity**

Set the number of copy sets from 1 to 999 in 1 set increments.

■ **Paper Supply**

Select a paper tray for printing. When [Auto Select] is selected, the same paper size as the document size is used.

- Auto Select

  A suitable paper tray is automatically selected.

- Trays 1 to 4

  Select paper from four trays.

- Bypass

  Prints on paper loaded in Tray 5.

■ **2 Sided Printing**

Set the 2 sided printing option.

■ **Output**

Configure the stapling, hole punch, and output destination settings.

- Staple

  Set the position for stapling.

- Hole Punch

  Set the position for punching.

- Output Destination

  Set the output destination.



## E-mail Notification

You can receive an e-mail notification when a file is saved in a folder or a job flow ends.

■ **Name/E-mail Address**

Set the recipient of the e-mail notification.

■ **Message**

Enter a message that is displayed in the e-mail message body.

■ **When to Notify**

Select the e-mail notification timing from [When file is stored] and [At the end of Job Flow].

■ **Delete Recipient**

Deletes all information for the selected recipient.

■ **Edit**

Allows you to check or change the recipient selected.

For more information on the [Edit Recipient] screen, refer to "5 Scan" in the User Guide.

■ **Close Menu**

Deselect the selected item.

## Edit/Delete

You can check the content of a job flow sheet, and edit, copy, or delete it.

**Note** • Some operations may be restricted according to types of job flow owners, authentication settings, and user types. For more information, refer to "Authentication for Job Flow Sheets and Folders" (P.397).

■ **Delete**

Deletes the selected job flow sheet.

■ **Copy**

Creates a duplicate of the selected job flow sheet. You can create a new job flow sheet based on the duplicate.

The procedure of creation is the same as creation of a new job flow sheet. For more information, refer to "Create New Job Flow Sheet" (P.254).

■ **Edit**

You can edit the selected job flow sheet.

The procedure of change is the same as creation of a new job flow sheet. For more information, refer to "Create New Job Flow Sheet" (P.254).

## Create Job Flow Sheet Keyword

You can register job flow search keywords. The registered keywords are displayed under [Select Keyword] and allows you to use for job flow sheet search. The keywords are also available from a list under [Keyword] that is displayed when you create a new job flow sheet. Up to 12 single-byte characters are allowed for a job flow search keyword.

## Add Address Book Entry



You can register frequently used addresses on the Address Book. Select an address type from Fax, IP Fax (SIP), Internet Fax, E-mail, and Server (FTP/SMB).

When an address is registered, you can search for it with [Address Book] on the [Fax], [IP Fax (SIP)], [Internet Fax], and [E-mail] screens.

You can store a total of 2000 addresses for Fax, IP Fax (SIP), Internet Fax, E-mail, and Server (FTP/SMB).

**Important**
- The following address types can be selected when you add an address to Address Book: Fax, IP Fax (SIP), Internet Fax, E-mail, and Server (FTP/SMB)
  When you register an address on the Address Book, select an address type in accordance with the service. The address book entry registered with the wrong address type cannot be selected from the original service.

**Note**
- The address numbers correspond to the one touch buttons. The one touch buttons are available for fax, IP Fax (SIP), Internet Fax, E-mail, and Scan to PC. For more information on the relationship between the address numbers and the one touch buttons, refer to "One-touch Buttons" (P.149).
- To specify an e-mail or server (FTP/SMB) address (for insertion in the Address Book), it is not possible to use a speed dial specified with the numeric keypad, one-touch dialing, or a group dial number.
- To specify an e-mail address or a server address for the Scan services, use the Address Book. The speed dial with the numeric keypad, the one touch buttons, and the group address created using the Group Recipients feature cannot be used to specify such addresses.
- You can register/edit/delete addresses on the Address Book, and view the list of the Address Book on CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services.

**Important**
- To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

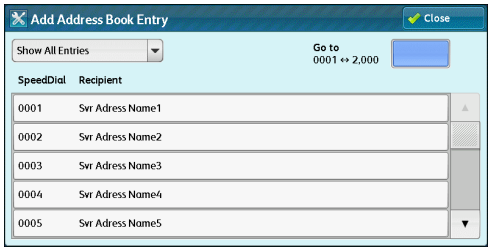
***1*** Select [Add Address Book Entry].

**Note**
- To display the [Add Address Book Entry] screen, press the <Log In/Out> button and enter the system administrator's user ID, and then select [Tools] > [Setup] > [Add Address Book Entry]. If [Setup] is displayed on the [Services Home] screen, select [Setup] > [Add Address Book Entry].

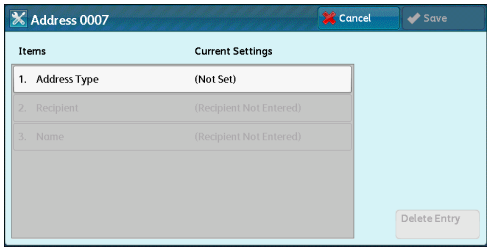
  When users are prohibited from editing the Address Book in the System Administration mode, [Add Address Book Entry] cannot be selected in [Setup] on the [Services Home] screen.

**2** Press a speed dial to register.

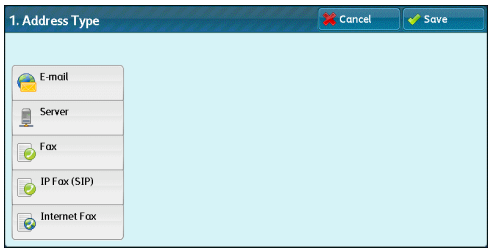
**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.
- Entering a speed dial number with the numeric keypad displays the specified number at the top of the column.



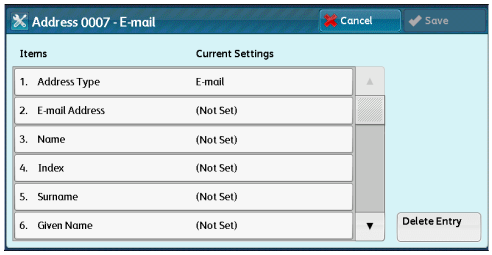

**3** Select [Address Type].




**4** Select the address type, and then select [Save].




**5** Select an item to set and set.




**6** When the settings are completed, select [Save].

### ■ When selecting [E-mail] as the address type

The following items appear:

- Address Type
- E-mail Address
- Name
- Index
- Surname
- Given Name
- Custom Item 1 (Telephone Number*)
- Custom Item 2 (Office*)
- Custom Item 3 (Department*)
- S/MIME Certificate

* : Factory default setting

### ■ When selecting [Server] as the address type

The following items appear:

- Address Type
- Name
- Shared Name (SMB Only)
- Save In

- Index
- Transfer Protocol
- Server Name/IP Address
- User Name
- Password
- Port Number

■ **When selecting [Fax] as the address type**

The following items appear:

- Address Type
- Fax Number
- Name
- Index
- Starting Rate
- Resolution
- Cover Page
- Maximum Image Size
- Delay Start
- Remote Folder
- F Code
- Relay Broadcast
- Billing - Day Time
- Billing - Night Time
- Billing - Midnight

■ **When selecting [IP Fax (SIP)] as the address type**

The following items appear:

- Address Type
- Recipient (Fax Number)
- Name
- Index
- Starting Rate
- Resolution
- Cover Page
- Maximum Image Size
- Delay Start
- Remote Folder
- F Code
- Relay Broadcast
- Billing - Day Time
- Billing - Night Time
- Billing - Midnight

■ **When selecting [Internet Fax] as the address type**

The following items appear:

- Address Type
- E-mail Address
- Name
- Index
- S/MIME Certificate
- Starting Rate
- Resolution
- Maximum Image Size
- Internet Fax Profile

### Address Type

Allows you to change an address type.

### E-mail Address

Enter an e-mail address with up to 128 single-byte characters.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Name

Enter a recipient name with up to 18 single-byte characters.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Index

You can register a single alphanumeric index character for use as a keyword when listing the registered recipients in alphabetical order.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Surname

Enter a recipient surname with up to 32 single-byte characters.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Given Name

Enter a recipient given name with up to 32 single-byte characters.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Custom Item 1

The attribute name set as [Attribute Name of Custom Item 1] is shown as the item name.

By factory default, the item name is set to "Telephone Number". You can input any information as an auxiliary item. Up to 20 single-byte characters are allowed. This item is suitable for information represented by a shorter character string, such as telephone number and employee number.

For more information on the item name, refer to "Attribute Name of Custom Items 1, 2, and 3" (P.205).

### Custom Item 2

The attribute name set as [Attribute Name of Custom Item 2] is shown as the item name.

By factory default, the item name is set to "Office". You can input any information as an auxiliary item. Up to 40 single-byte characters can be used. This item is suitable for information represented by a longer character string, such as company name and department name.

For more information on the item name, refer to "Attribute Name of Custom Items 1, 2, and 3" (P.205).

### Custom Item 3

The attribute name set as [Attribute Name of Custom Item 3] is shown as the item name.

By factory default, the item name is set to "Department". You can input any information as an auxiliary item. Up to 60 single-byte characters can be used. This item is suitable for information represented by a much longer character string, such as company division name and company address.

For more information on the item name, refer to "Attribute Name of Custom Items 1, 2, and 3" (P.205).

### S/MIME Certificate

Allows you to link an S/MIME certificate. The S/MIME certificate must be registered in advance.

To link a certificate, select [Attach/Change Link] and select a certificate in a screen displayed. To remove a link, select [Remove Certificate].

**Important**
- If a certificate linked to an S/MIME certificate in the Address Book is deleted by some reasons such as hard disk initialization and the deletion of the certificate, the certificate linked to the S/MIME certificate will be invalid. Even if you re-register the S/MIME certificate, you have to manually link it again.

**Note**
- If many certificates are registered on the machine, it may take a long time to link a certificate.

For more information on the certificate, refer to "Encryption and Digital Signature Settings" (P.367).

### Transfer Protocol

Set the transfer protocol. You can select either [FTP] or [SMB].

### Server Name/IP address

Enter a name or an IP address of a forwarding destination server.

### Shared Name (SMB Only)

Enter the shared name set for the SMB folder.

**Important** • If the "/" mark is used at the top of a shared name, a job flow cannot read the shared name correctly. Do not use the "/" mark at the top of a shared name.

### Save in

Enter the directory for storing files. When SMB is selected, use a UNC format.

- Transferring via FTP

  For example: aaa/bbb

  When you save files in the bbb directory under the aaa directory in the root directory.

- Transferring via SMB

  For example: aaa\bbb

  When you save files in the bbb directory under the aaa directory in a specified volume.

### User Name

Set the user name when a user name is required to be input by the forwarding destination server.

When [FTP] is selected for [Transfer Protocol], up to 97 characters are allowed.

When [SMB] is selected for [Transfer Protocol], use one of the following formats:

- For Active Directory:

  User name@Domain name (User name: up to 32 characters / Domain name: up to 64 characters)

  For example: fuji@example.com ("fuji" is a user name and "example.com" is a domain name)

- For Windows NT domains:

  Domain name\User name (Domain name: up to 64 characters / User name: up to 32 characters)

  For example: example\fuji ("example" is a domain name and "fuji" is a user name)

- For workgroups:

  Local user (up to 32 characters)

  For example: Fuji-Taro

### Password

Set a password when the forwarding destination server prompts a password entry. You can enter up to 32 single-byte characters for a password.

### Port Number

Set the forwarding destination port number. Specify a number from 1 to 65535.

### Fax Number

Enter a fax number with up to 128 digits.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Index

You can register a single alphanumeric index character for use as a keyword to search with the Address Book.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Starting Rate

Set a communications mode. You can select either [G3 Auto] or [Forced 4800 bps]. When the destination is specified by a speed dial number with the communications mode set, you cannot change the communications mode in the [Fax/Internet Fax] screen.

### Resolution

Set image quality for transmission.

Select from [Panel] (image quality selected on the control panel), [Standard (200x100 dpi)], [Fine (200 dpi)], [Superfine (400 dpi)], and [Superfine (600 dpi)].



### Cover Page

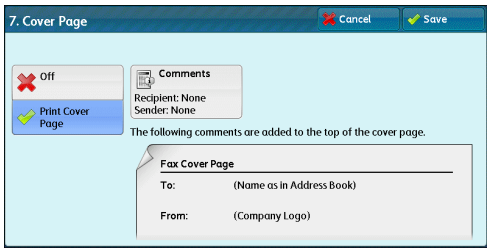
Select whether or not to send a fax or an Internet fax with a cover note attached. If attached, specify comments on the sender and a recipient to be printed in the cover pages.

Comments must be registered in advance.

For information on comment registration, refer to "Add Fax Comment" (P.269).

1 Select [Print Cover Page].

2 Select [Comments].

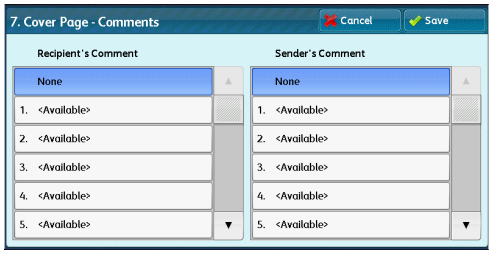



3 Select any comment from the list of comments displayed under [Recipient's Comment] and [Sender's Comment].

**Note** • Select [▲] to display the previous screen or [▼] to display the next screen.

4 Select [Save]. The image of the Fax Cover Page is displayed.

5 Select [Save].




### Maximum Image Size

Select the maximum image size from [A3], [B4], or [A4] to match the recipient's paper size or available profile.

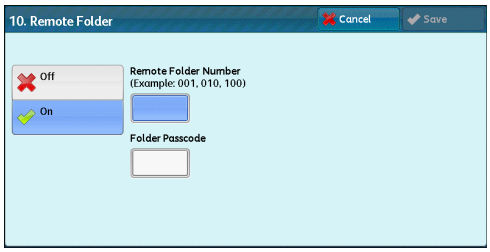
### Delay Start

Set whether or not to use a delayed start transmission.

If the machine's system clock is set to the 24-hour display, [AM] and [PM] do not appear. For information on the system clock, refer to "Time" (P.144).

## Remote Folder

Select whether or not to send a fax or an Internet fax to a recipient's folder. To use folder communications, you must obtain the recipient's folder number and passcode in advance.




1. Select [On].
2. Enter a recipient's folder number with the numeric keypad.
3. If a passcode is set, enter the passcode with the numeric keypad.

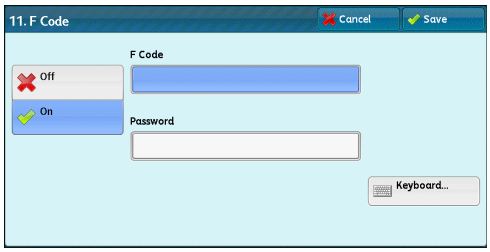
**Note** • If no passcode is set, leave the text boxes blank and select [Save].

## F Code

Select whether or not to use F code communications.

F Code is the transmission procedure set by the Communications and Information Network Association of Japan and is the T.30 (communication protocol) method for using sub-addresses that are standardized by the ITU-T.

For F code (sub address) and password, you can use up to 20 digits 0 to 9, *, and #.




1. Select [On].
2. Enter the F code with the numeric keypad.

**Note** • The F code consists of "0" + folder number. For example, if the folder number is 123, the F code will be "0123".

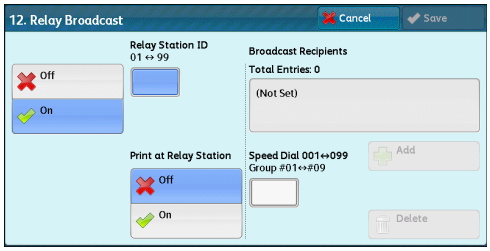
3. Enter the password as required with the numeric keypad, and then select [Save].

**Note** • You can enter up to 20 digits for the password.

## Relay Broadcast

Set the instruction given to a relay station, which is used when the machine is a base station and the registered speed dial is a relay station for relay broadcast.

When selecting [On], set [Relay Station ID], [Print at Relay Station], and [Broadcast Recipients].




1. Select [On].
2. Enter a 2-digit relay station ID with the numeric keypad.

**Note** • The relay station ID is the address number for the base station (the machine) already registered on the relay station.

3. Select [Speed Dial 001<->099].
4. Enter a speed dial number of broadcast destination (001 to 099) or group number (#01 to #09) registered on the relay station with the numeric keypad, and then select [Add].

**Note** • If there are more than one broadcast destinations, repeat step 4.

5. To print a document also at the relay station, under select [On] for [Print at Relay Station].
6. Select [Save].

### Billing - Day Time, Billing - Night Time, Billing - Midnight

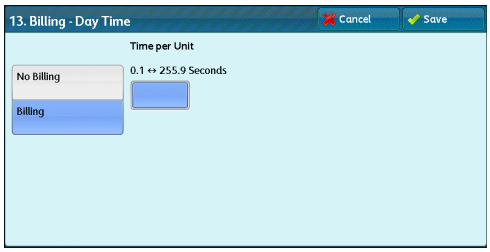
Set the connection time for one unit charge in each of the time bands (daytime/night/midnight).

You can set a value from 0.1 to 255.9 seconds in 0.1 second increments.

This item is displayed when [Accounting] > [Accounting Type] is set to [Local Accounting] and [Fax/Internet Fax Service] is set to [Enable Accounting] under [Auditron Mode]. For information on how to enable the feature, refer to "Auditron Mode" (P.275).

The information registered can be confirmed by printing a Billing Data List. For information about how to print, refer to "Billing Data List" (P.111).

1. Select one of [Billing - Day Time], [Billing - Night Time], and [Billing - Midnight].
2. Select [Billing].
3. Enter the time for one unit charge from 0.1 to 255.9 seconds in 0.1 second increments with the numeric keypad.
4. Select [Save].






### Internet Fax Profile

Set the format of the Internet fax profile.

A profile is specified to restrict attribute information such as image resolution and paper size for transmissions between Internet Fax-enabled machines.

#### ■ TIFF-S

The Internet fax standard profile. For documents larger than A4, the size is automatically reduced to A4 when transmission.

#### ■ TIFF-F

Select this profile when you specify [Superfine] for [Resolution] or when you send A3 or B4 documents.

#### ■ TIFF-J

Select this profile for sending documents in JBIG.

### When the [Delete Entry] Button is Selected

Selecting this button deletes all the information registered for the address selected. To delete all information registered, select [Delete].

**Important** • Deleted information cannot be restored.

## Create Fax Group Recipients

You can register addresses for broadcast transmission as a group. Each group can include up to 20 address numbers. The maximum number of groups that can be registered is 50.

Note that recipients to be added to a group must be registered in the speed dials on the Address Book.

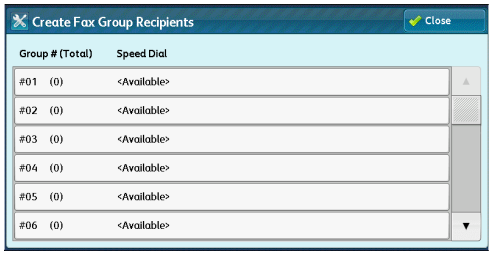
**Note**
- Even when the speed dial number of fax recipients (address book entries) are included in a group, the machine does not send faxes to the recipients if their address types are set to [E-mail] or [Server].
- You cannot include a group in another group.

- You can use wildcards for specifying the numbers in the last one or two digits as shown in the following example:
  - 001*:Specifies the 10 addresses with address numbers 010 to 019.
  - ****:Specifies all address numbers.

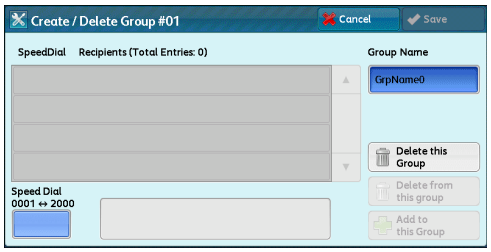
1 Select [Create Fax Group Recipients].

2 Select a group number to register.

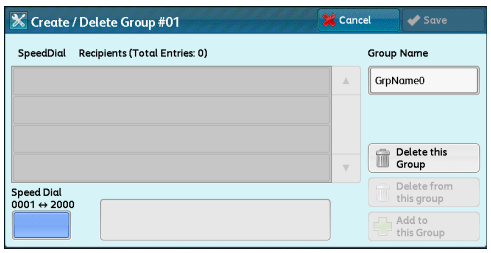
**Note**
- Select [▲] to display the previous screen or [▼] to display the next screen.




3 Select [Group Name] and enter a group name to register, and then select [Save].




4 Enter a speed dial number (four digits) to register with the numeric keypad, and then select [Add to this Group].




5 Repeat step 4 to register the address numbers.

6 Select [Save].

### ■ Delete this Group

Deletes all information registered on a group.

### ■ Delete from this group

Deletes a registered address. Select the speed dial or enter the speed dial number to delete with the numeric keypad, and then select [Delete from this group].

## Add Fax Comment

You can register comments to be printed on cover sheets. A maximum of 50 comments can be registered, each of which can be up to 36 single-byte characters.

For information about how to enter characters, refer to "Entering Text" (P.33).

## Paper Tray Attributes

Set a paper size and a paper type load in each tray.

For more information, refer to "Paper Tray Attributes" (P.151).

# Accounting

In [Accounting], you can register the users that will use the machine, and set the operation settings of the Accounting feature.

For more information about this feature, refer to "Authentication and Accounting Features" (P.383).

The following shows the reference section for each setting.

Create/View User Accounts ..... 270
View Accounts ..... 273
Reset User Accounts ..... 274
System Administrator's Meter (Copy Jobs) ..... 275
Accounting Type ..... 275
Accounting Login Screen Settings ..... 276
Fax Billing Data ..... 277
Accounting/Billing Device Settings ..... 277

*1* On the [Tools] screen, select [Accounting].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

*2* Select an item to set or change.



## Create/View User Accounts

To enable the Accounting feature, register user IDs and user names to authenticate registered users.

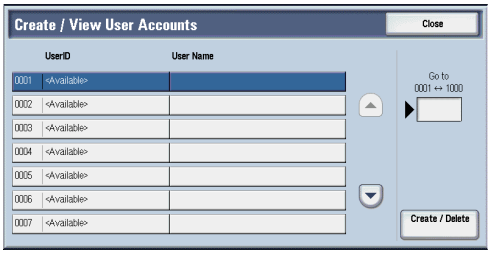
You can set a limit on the number of pages for each user of the machine. You can also check the cumulative number of pages for each user registered. Up to 1,000 user data can be registered. The settings described here are identical with [Create/View User Accounts] under [Authentication/Security Settings].

**Important** • Before registering users, refer to "Accounting Type" (P.275) and set the Accounting Type you use.

**Note** • This item does not appear when [Network Accounting] is selected in [Accounting Type] (P.275).

*1* Select [Create/View User Accounts].

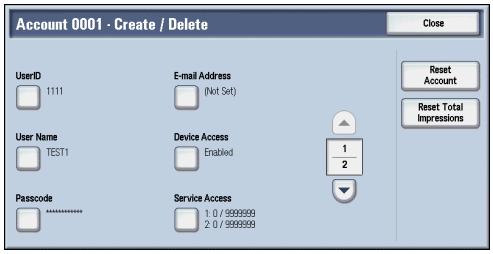
*2* Select a [User ID] for which you want to register a user, and then select [Create/Delete].




**Note**
- A 4-digit number displayed on the left of each User ID is a user control number.
- Selecting a line displayed as [<Available>] displays a screen to enter User ID. Enter a User ID, and then select [Save].
- Select [▲] to display the previous screen or [▼] to display the next screen.
- Entering a 4-digit User ID number with the numeric keypad displays the specified number at the top of the column.

3 Select any item, and set it.

4 Select [Close].




### User ID

Enter a user ID to use the machine. Up to 32 single-byte characters are allowed.

### User Name

Set a user name. Up to 32 single-byte characters are allowed.

For information about how to enter characters, refer to "Entering Text" (P.33).

### Passcode

Set a passcode. Setting a passcode is strongly recommended for security. Set a passcode from 4 to 12 digits.

**Note** • When [Passcode Entry for Control Panel Login] is set to [On], a passcode entry is required upon user authentication.

For information on how to change your passcode later, refer to "Changing Passcode" (P.418).

### E-mail Address

Enter an e-mail address with up to 128 characters. The address set here will be set as [From] under [E-mail].

For information about how to enter characters, refer to "Entering Text" (P.33).

### Device Access

Set whether to allow the machine use.

■ **Enabled**

Allows the machine use. When the smart card reader is connected, you can select the settings for each Login Type.

■ **Disabled**

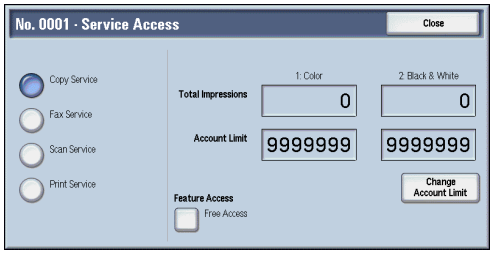
Prohibits the machine use.

### Service Access

You can place restrictions on the use and the maximum number of allowed pages for each of the Copy, Fax, Scan, and Print features.

1 Select [Service Access].

*2* Select a feature to restrict.




*3* To set account limits, select [Change Account Limit], and then enter the maximum number of pages with the numeric keypad.

■ **Feature Access**

Set access restrictions on features.

- Free Access

  The feature is not restricted.

- No Access to Copy/Fax/Scan/Print Service

  Allows you to restrict the use of the Copy, Fax, Scan, or Print service.

■ **Change Account Limit**

Set the maximum number of pages for copying, scanning, or printing.

You can specify a number from 1 to 9,999,999 (7 digits) sheets in 1 page increments.

- The following limits can be placed on the Copy service for each user:
  Permission to use: [Free Access], [Black & White Only], [Color Only], or [No Access to Copy Service]
  Maximum number of color pages allowed: 1 to 9,999,999
  Maximum number of black-and-white pages allowed: 1 to 9,999,999
- The following limits can be placed on the Fax service for each user:
  Permission to use: [Free Access] or [No Access to Fax Service]
- The following limits can be placed on the Scan service for each user:
  Permission to use: [Free Access], [Black & White Only], [Color Only], or [No Access to Scan Service]
  Maximum number of color pages allowed: 1 to 9,999,999
  Maximum number of black-and-white pages allowed: 1 to 9,999,999
- The following limits can be placed on the Print service for each user:
  Permission to use: [Free Access], [Black & White Only], or [No Access to Print Service]
  Maximum number of color pages allowed: 1 to 9,999,999
  Maximum number of black-and-white pages allowed: 1 to 9,999,999

## User Role

■ **User Role**

Allows you to select a user role for a user.

- User

  No special authority is given to this user role.

- System Administrator

  The same authority as a system administrator is given except for the following operation:

  - Operate folders
  - Operate job flow sheets

- Change the passcode of the system administrator

• Account Administrator

The following authorities are given:

- Create, delete, change (except for passcode), and view (unavailable depending on some settings) user information
- Create, delete, change, and view accounting
- Change an Alternative Name for Account ID or Mask Account ID
- Print an Auditron Report for each user

■ **Add This User to Authorization Group**

Allows you to select an authorization group for a user.

### Reset Account

Deletes all registered information for a selected user.

■ **Reset**

Deletes the registered user data. Once deleted, the data cannot be restored.

**Important** • All job flow sheets, folders, and files within folders belonging to the user are deleted. If the user is owner of a large amount of material (when a large quantity of files is left remaining within a folder for example), the deletion will take a considerable time.

■ **Cancel**

Cancels the deletion of the user data.

### Reset Total Impressions

Resets the current cumulative number of pages for a selected user, returning it to zero.

■ **Reset**

Resets the current cumulative number of pages for users. Once reset, the previous count cannot be restored.

■ **Cancel**

Cancels resetting the cumulative number of pages.

## View Accounts

Selecting [Xerox Standard Accounting] on the [Accounting Type] screen allows you to check the following for each registered user or group: (1) the maximum number of times that the account can be used for each service, and (2) how many times the account has been used for each service.

**Note** • You can register users and groups on CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

1. Click [View Accounts].
2. Select [User Account] or [Group Account]. If you select [User Account], select also the User ID to check.
3. Click [Account Details].

## Reset User Accounts

You can delete all registered information for all registered users in a single operation, or reset the auditron data. It is also available to print contents for confirmation before resetting. The settings described here are identical with [Reset User Accounts] under [Authentication] of [Authentication/Security Settings].

**Note** • This item does not appear when [Network Accounting] or [Xerox Standard Accounting] is selected in [Accounting Type].

### ■ All User Accounts

Deletes all information registered for each user. It also deletes all data including the maximum number of pages, cumulative number of pages, and printer auditron data.

**Important** • All job flow sheets, folders, and documents within folders belonging to the user are deleted. If the user is owner of a large amount of material (when a large quantity of files is left remaining within a folder for example), the deletion will take a considerable time.

### ■ All Feature Access Settings

Resets the feature access limit for all users.

### ■ All Account Limits

Resets the maximum number of pages for all users to the default (9,999,999 pages).

### ■ Total Impressions

Resets all accounting data for all users including the system administrator. The number of pages is also reset to 0.

### ■ All Authorization Groups

Delinks users from authorization groups, and links those users to the default authorization group.

### ■ Meter (Print Jobs)

Resets all printer auditron, and deletes automatically registered job owner names. The number of pages printed is also reset to 0.

**Note** • [Meter (Print Jobs)] is displayed when [Disable Accounting] is selected for [Print Service] in the [Auditron Mode] screen under [Accounting Type].

### ■ Print the Meter Report

Prints a meter report, which is helpful when you check counters before you reset or delete them.

**Note** • [Meter (Print Jobs)] is displayed when [Disable Accounting] is selected for [Print Service] in the [Auditron Mode] screen under [Accounting Type].

### ■ Print the Auditron Report

Prints a report including contents registered information to reset or a report including contents administration data to reset.

The report is available for confirmation before resetting.

### ■ Reset

Deletes or resets the data for the selected item.

## System Administrator's Meter (Copy Jobs)

You can check or reset the total impression copied using the System Administration mode on the screen.
The total impressions are counted up to 9,999,999 pages.

**Note** • This item does not appear when [Network Accounting] is selected in [Accounting Type].

## Accounting Type

You can select whether or not to use the Accounting feature.

### Accounting Disabled

Does not perform accounting.

### Local Accounting

Performs accounting.

### Network Accounting

Performs accounting based on the user information managed on a remote service. User information is registered on the remote service.

**Note** • When [Network Accounting] is selected, users are prompted to enter their Account ID on the [Login] screen that is displayed when attempting to use services required for accounting.

For more information on Network Accounting, refer to "Types of Account Administration" (P.389).

### Xerox Standard Accounting

Accounting is carried out based on the user information and account information pre-registered on the machine.

### Auditron Mode

Allows you to set whether or not to enable the Auditron feature for the following services:

- Copy
- Fax/Internet Fax
- Store to Folder
- E-mail
- Network Scanning
- Scan to PC
- Store to USB
- Store & Send Link
- Store to WSD
- Media Print - Text
- Media Print - Photos
- Print

**Note** • The services displayed on the screen vary depending on the machine configuration.
• When [Enable Accounting] is selected for a service, [ ] is displayed on the button of the applicable service on the [Services Home] screen. Also, [ : Requires Login] is displayed at the lower left of the [Services Home] screen. [ ] and [ : Requires Login] are not displayed after authentication.
• Print jobs may be canceled depending on the settings in "Receive Control" (P.286).

### Verify User Details

Allows you to set whether or not to verify user information.
Selecting [Yes] also allows you to select [For printer/Direct Fax Jobs].

### Customize User Prompts

Allows you to set the type of user information used for authentication.

**Note** • Account ID is used for accounting.

- Display User ID & Account ID Prompts

  Prompts users to enter both their user ID and Account ID.

- Display User ID Prompt Only

  Prompts users to enter their user ID only.

- Display Account ID Prompt Only

  Prompts users to enter their Account ID only.

- Display No Prompts

  Does not prompt users to enter their user ID or Account ID.

## Accounting Login Screen Settings

You can configure Accounting settings.

### Alternative Name for User ID

If required, you can change the indication "UserID" on the [Login] screen that appears when the <Log In/Out> button on the control panel or the login information area on the touch screen is pressed to another name such as “User Name” or “Number”. The alias can be set to 1 to 15 single-byte characters.

**Note** • The name changed is also printed in a report or a list.



### Mask User ID (***)

You can set how an entered user ID is shown on the screen. Use this feature to enhance security as required.

■ **Show**

As you enter the user ID, the characters are echoed on the screen in the normal way.

■ **Hide**

As you enter the user ID, the character string is hidden as a row of asterisks (*****).

### Alternative Name for Account ID

If required, you can change the indication “Account ID” on the [Login] screen that appears when the <Log In/Out> button on the control panel or the login information area on the touch screen is pressed to another name such as “Account Name” or “Number”. The alias can be set to 1 to 15 single-byte characters.

**Note** • This item is displayed when [Network Accounting] is selected in [Accounting Type].
• The name changed is also printed in a report or a list.

### Mask Account ID (***)

You can set how an entered Account ID is shown on the screen. Use this feature to enhance security as required.

**Note** • This item is displayed when [Network Accounting] is selected in [Accounting Type].

■ **Show**

As you enter the Account ID, the characters are echoed on the screen in the normal way.

■ **Hide**

As you enter the Account ID, the character string is hidden as a row of asterisks (*****).

### Store User Details

You can set the destination to save authentication information. Select [NVM] or [Hard Disk].

**Note**
- This item is displayed when [Network Accounting] is selected in [Accounting Type].
- NVM stands for nonvolatile memory and the data on it is stable after the machine is turned off.

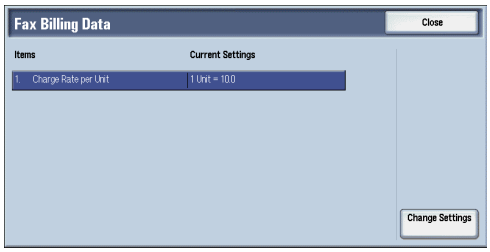
## Fax Billing Data

You can configure fax billing settings.

**Important**
- To register the billing data, enable the Auditron feature for fax/Internet fax under Accounting in advance. For details on how to enable the Auditron feature, refer to "Auditron Mode" (P.275).

**Note**
- Set the connection time for one unit charge in each of the time bands (daytime/night/midnight) in [Billing]. For more information on how to set [Billing], refer to "Billing - Day Time, Billing - Night Time, Billing - Midnight" (P.268).
- The registered details can be confirmed by printing the Billing Data List. For information on how to print, refer to "Billing Data List" (P.111).

*1* Select [Fax Billing Data].




*2* Select [Charge Rate per Unit].

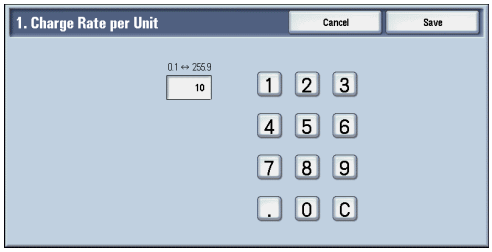
■ **Charge Rate per Unit**

This is a communication charge per unit. You can set a value from 0.1 to 255.9 seconds in 0.1 second increments.

*3* Select [Change Settings].

*4* Enter an amount with the keyboard displayed on the screen or the numeric keypad.

*5* Select [Save].




## Accounting/Billing Device Settings

You can configure accounting or billing device settings.

**Important**
- When an accounting or billing device is connected to the machine, be sure to set a password and that users other than the system administrator do not disconnect the device by mistake.
- The features described in this section may not appear for some models. Optional components or related products provided by Fuji Xerox are required to use the features. For more information, contact our Customer Support Center.

### Connect with Accounting/Billing Device

Allows you to select whether or not to use the connected accounting or billing device from [None] or [Connected].

**Note**
- While a device for maintenance is connected, you cannot change the setting.

### Accounting/Billing Device

Select the type of the accounting/billing device connected to the machine.

**Important** • If a device connected does not match the device selected in [Accounting/Billing Device], an error occurs. Jobs related to the accounting/billing device cannot be performed until the error is resolved. For information on how to resolve the error, refer to "Error Code" (P.468).

### Track Print Jobs

The feature is effective for the Print service.

Select whether or not to track billing information for the print jobs. Select from [No Tracking] and [Track with Accounting/Billing Device].

This feature is available for all accounting/billing devices.

### Track Scan/Fax Jobs

The feature is effective for the Scan, Fax, Internet Fax, and Server Fax services.

Select whether or not to track billing information for the scan, fax, Internet fax, and server fax jobs. Select from [No Tracking] and [Track with Accounting/Billing Device].

This feature is available for accounting/billing devices other than Coin Kit and Dispenser.

### Interrupt Mode

The feature is effective for the Copy service.

Select whether or not to enable the Interrupt mode. Select from [Disabled] and [Enabled].

This feature is available for accounting/billing devices other than Card Activated - Cumulative and Smart Card Reader.



### Job with Insufficient Credit

The feature is effective for the Copy, Print, and Scan services.

Select the operation of the machine when the amount remaining in the accounting/billing device becomes insufficient. Select from [Delete Job Immediately] and [Hold Job].

This feature is available for accounting/billing devices other than Card Activated - Cumulative and Smart Card Reader.

### Charge Print Jobs

The feature is effective for the Print service.

Select how the print job performed is charged. Select from [Charge by Card Number] and [Do not Charge by Card Number].

This feature is available for Card Activated - Cumulative and Card Activated - Subtractive.

### Track with Cumulative Device

The feature is effective for the Copy and Print services.

Select the timing that the amount for copy or print job is charged. Select from [Track with Accounting Device] and [High Speed Printing].

This feature is available for Card Activated - Cumulative.

### Scan Ahead for Copy Job

The feature is effective for the Copy service.

Select whether or not to enable the Scan Ahead feature for copy jobs. Select from [Disabled] and [Enabled].

This feature is available for Card Activated - Cumulative, Card Activated - Subtractive, CoinKit, Dispenser, and Smart Card Reader.

**Important** • Some of the products listed above may not be available for this feature depending on the types and settings. For information on the products available for this feature and on how to change the settings, contact our Customer Support Center.

# Authentication/Security Settings

In [Authentication/Security Settings], you can configure the registration and authentication of a user and security settings.

For more information about the feature, refer to "Authentication and Accounting Features" (P.383).

The following shows the reference section for each setting.

System Administrator Settings ..... 279
Authentication ..... 280
Allow User to Disable Active Settings ..... 287
Job Status Default ..... 288
Overwrite Hard Disk ..... 288

1 On the [Tools] screen, select [Authentication/Security Settings].

For the method of displaying the [Tools] screen, refer to "System Settings Procedure" (P.126).

2 Select an item to set or change.



## System Administrator Settings

In [System Administrator Settings], you can set the system administrator ID and passcode.

We recommend setting the system administrator ID and passcode to prevent unauthorized setting changes and ensure security.

### System Administrator's Login ID

Set the system administrator's user ID. Enter the ID from 1 to 32 single-byte characters.

**Note** • The default of the system administrator's user ID is "11111".

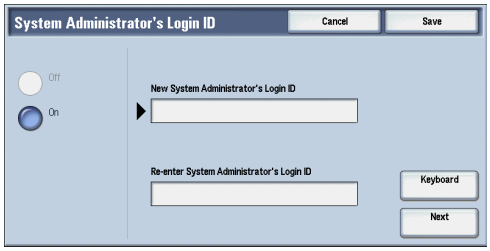
1 Select [System Administrator's Login ID].

2 Select [On].

3 Select [Keyboard].

4 Enter the system administrator's ID with up to 32 characters, and then select [Save].

5 Repeat steps 3 and 4 to re-enter the same system administrator's ID in [Re-enter System Administrator's Login ID].




6 Select [Save].

7 A confirmation window appears. Select [Yes] to confirm your entry.

### System Administrator's Passcode

Set the passcode for the System Administrator.

Setting a passcode is strongly recommended to enhance security.

**Note** • The default of the system administrator's passcode is "x-admin".

The system administrator's passcode set here is used when [Passcode Entry for Control Panel Login] is set to [On] under [Authentication/Security Settings] > [Passcode Policy].

Set the passcode after setting the system administrator's user ID. You can set the passcode from 4 to 12 characters.

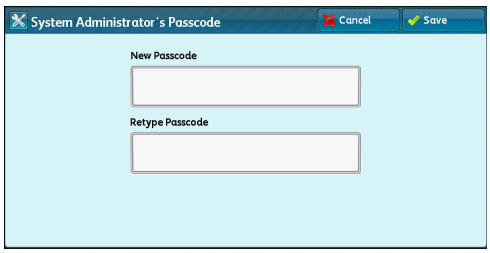
For more information about [Passcode Entry for Control Panel Login], refer to "Passcode Policy" (P.285).

1 Select [System Administrator's Passcode].

2 Select [New Passcode].

3 Enter a new passcode (4 to 12 digits) using the keyboard displayed, and then select [Save].

**Note** • If no passcode is set, leave the text boxes blank and select [Save].




4 Select [Retype Passcode], enter the same passcode, and then select [Save].

5 Select [Save].

6 A confirmation window appears. Select [Yes] to confirm your entry.

## Authentication

In [Authentication], you can set the following items.

The following shows the reference section for each setting.

Login Type ..... 280
Access Control ..... 280
Create/View User Accounts ..... 282
Reset User Accounts ..... 282
Create Authorization Groups ..... 282
User Details Setup ..... 283
Maximum Login Attempts by System Administrator ..... 285
Passcode Policy ..... 285
Charge/Private Print Settings ..... 285
Receive Control ..... 286

### Login Type

Allows you to select a type of authentication.

#### ■ No Login Required

Does not use the Authentication feature.

#### ■ Login to Local Accounts

Authenticates users based on the user information registered on the machine.

**Note** • When [Login to Local Accounts] is selected, the machine enters the Login mode and [Login] is displayed at the lower left of the [Services Home] screen.

#### ■ Login to Remote Accounts

Authenticates users based on the user information registered on a remote authentication server.

**Note** • When [Login to Remote Accounts] is selected, the machine enters the Login mode and [Login] is displayed at the lower left of the [Services Home] screen.

### Access Control

Allows you to restrict access to the machine or each service. Once the access control is enabled, user authentication is required to use the machine or the services.

**Important** • When a guest user is permitted to use the machine, access restriction for each service cannot be specified for the guest user. If you want to restrict a guest user to use the machine, refer to "Guest User" (P.284).

### ■ Device Access

Allows you to restrict buttons operation on the control panel of the machine.

Select [Unlocked] or [Locked].

When a user is authenticated using remote authentication with Kerberos, LDAP, or SMB authentication system and the access control is enabled, the user can operate the buttons on the control panel, which are determined based on the access permission information obtained from the LDAP server.

**Important** • When the access control is enabled, set [Save remote accounts in this machine] to [Disabled] in [User Details Setup] because the access permission information of the control panel obtained via remote authentication is not saved on the machine. For information on the setting, refer to "Save remote accounts in this machine" (P.285).

### ■ Service Access

Allows you to restrict access to each of the following services.

**Note** • When [Locked (Show Icon)] is selected for a service, [] is displayed on the button of the applicable service on the [Services Home] screen. Also, [: Requires Login] is displayed at the lower left of the [Services Home] screen. [] and [: Requires Login] are not displayed after authentication.

• When [Locked (Hide Icon)] is selected for a service, the applicable service is not displayed on the [Services Home] screen. The services is displayed after authentication.

When a user is authenticated using remote authentication with Kerberos, LDAP, or SMB authentication system and the access control is enabled, the user can access services on the control panel of the machine, which are determined based on the access permission information obtained from the LDAP server.

**Important** • When the access control is enabled, set [Save remote accounts in this machine] to [Disabled] in [User Details Setup] because the access permission information of the control panel obtained via remote authentication is not saved on the machine. For information on the setting, refer to "Save remote accounts in this machine" (P.285).

For more information on how to set the login type, refer to "Login Type" (P.280).

- Copy

  Restricts access to the Copy service on the machine.

  If a stored programming contains steps to use the Copy service, the use of the store programming is also restricted.

- Fax/Internet Fax

  Restricts access to the Fax/IP Fax (SIP)/Internet Fax/Direct Fax service on the machine.

  If a stored programming contains steps to use the Fax/IP Fax (SIP)/Internet Fax service, the use of the store programming is also restricted.

- Scan

  Restricts access to the E-mail, Store to Folder, Scan to PC, Store to USB, Store & Send Link, Store to WSD, and Network Scanning services and features on the machine.

  If a stored programming contains steps to use the Scan services, the use of the store programming is also restricted.

- Media Print - Text

  Restricts access to the Media Print - Text service on the machine.

- Media Print - Photos

  Restricts access to the Media Print - Photos service on the machine.

- Send from Folder

  Restricts access to the Send from Folder service on the machine.

- Stored Programming

  Restricts access to the Stored Programming service on the machine.

- Job Flow Sheets

  Restricts access to the Job Flow Sheets service on the machine.

- Print

  Restricts users to print jobs stored on the machine, such as the Secure Print and Sample Set jobs.

  This feature also restricts the submission of print jobs from a computer via a network.

  To use the Authentication feature, authentication information such as a user ID and passcode needs to be entered in a print driver.

  If authentication fails, the print data sent to the machine is saved in the machine or deleted according to the Charge Print settings.

For information on how to set the login type, refer to "Login Type" (P.280).

■ **Feature Access**

Set [Color Copying].

When a user is authenticated using remote authentication with Kerberos, LDAP, or SMB authentication system and the access control is enabled, the user can access features on the control panel of the machine, which are determined based on the access permission information obtained from the LDAP server.

**Important** • When the access control is enabled, set [Save remote accounts in this machine] to [Disabled] in [User Details Setup] because the access permission information of the control panel obtained via remote authentication is not saved on the machine. For information on the setting, refer to "Save remote accounts in this machine" (P.285).



### Create/View User Accounts

To enable the Accounting feature, register user IDs and user names to authenticate registered users.

You can set a limit on the number of pages for each user of the machine. You can also check the cumulative number of pages for each user registered. Up to 1,000 user data can be registered. The settings described here are identical with [Create/View User Accounts] under [Accounting].

Refer to "Create/View User Accounts" (P.282).

### Reset User Accounts

You can delete all registered information for all registered users in a single operation, or reset the auditron data. It is also available to print contents for confirmation before resetting. The settings described here are identical with [Reset User Accounts] under [Accounting].

Refer to "Reset User Accounts" (P.282).

### Create Authorization Groups

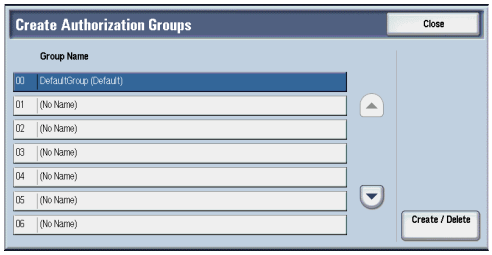
System administrators can give login users authority to use some features that are restricted for login users. The login users can be divided into different authorization groups.

**Note** • Up to 20 groups can be registered.

***1*** Select [Create Authorization Groups].

2 Select [Group Name], and then select [Create/Delete].

3 Select and set any item.




### ■ Group Name

Enter a group name with up to 32 single-byte characters.

### ■ Restrict Recipient Selection Method

Select whether or not to remove restriction when a transmission to a recipient who is not registered on the Address Book is restricted for the Fax/Internet Fax or Scan feature.

### ■ Restrict User to Edit Address Book

Select whether or not to remove restriction when the edit of the Address Book is restricted.

### ■ Allow User to Disable Active Settings

Select whether or not to permit the group members to temporarily disable the forcible printing features, such as the Force Watermark, Print Universal Unique ID, and Force Annotation features, and to allow the machine to process a job.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.

## User Details Setup

Set the information required when carrying out authentication.

### ■ Alternative Name for User ID

If required, you can change the indication "UserID" on the [Login] screen that appears when the <Log In/Out> button on the control panel is pressed to another name such as “User Name” or “Number”. The alias can be set to 1 to 15 single-byte characters.

**Note** • The name changed is also printed in a report or a list.

### ■ Mask User ID (***)

You can set how an entered user ID is shown on the screen. Use this feature to enhance security as required.

When you select [Show], the characters you enter are echoed on the screen in the normal way as you enter the user ID. When you select [Hide], the characters you enter is hidden as a row of asterisks (*****) as you enter the user ID.

### ■ Failed Access Log

Set the failure count to detect unauthorized access. An error is logged if authentication fails the number of times specified here within a predetermined time (10 minutes).

### ■ Logout Confirmation Screen

Set whether or not to display a logout confirmation screen every time a user session ends.

### ■ User ID for Login

Set whether or not to make the user ID entry field on the user login screen case-sensitive.

When you select [Case Sensitive], authentication is performed using the User ID as registered (including upper and lower cases). When you select [Non-Case Sensitive],

authentication is performed with case ignored even if the User ID has both upper and lower cases.

**Important**
- Do not change the setting while a file is stored for the Private Charge Print. Otherwise, you may encounter problems, such as being unable to print. Change the setting after the machine prints all the files stored.
- Do not select [Case Sensitive] when the machine stores User IDs such as "ABC" and "abc" which are regarded as the same ID under the setting. If you select [Case Sensitive], it may cause the problem and those IDs may not be displayed.
  Before you select the setting, correct those User IDs to distinguish them.

### ■ When Smart Card Reader is Connected

Set whether or not to enable user ID authentication when the smart card reader is connected. When [Smart Card Login] is selected, user ID authentication cannot be used. When [Smart Card or Control Panel Login] is selected, both smart card authentication and user ID authentication can be used.

### ■ Account Auto Setup for Card Login

Set whether or not to register new user information when an unregistered user holds a card over the smart card reader.

When [Disabled] is selected, the machine does not register the user. When [Enabled] is selected, the machine registers the user automatically.

**Note**
- When [Enabled] is selected, [User Name], [Service Access], and [Add User To Authorization Group] will be displayed.
- Set the user name by selecting [User Name].
- When [Service Access] is selected, [Copy], [Fax], [Scan], and [Print] will be displayed. You can set [Feature Access] and [Change Account Limit] for each item.
- When [Add User To Authorization Group] is selected, you can select a user role and an authorization group for the user.
- When [Passcode Entry for Smart Card Login] under [Tools] > [Authentication/Security Settings] > [Authentication] > [Passcode Policy] is set to [On], you need to enter the passcode twice for the auto assign.

### ■ Guest User

Set whether or not to permit a guest user when [Login to Remote Accounts] is selected. Set the guest user passcode from 4 to 12 digits.

**Important**
- Access restriction for each service cannot be specified for the guest user.

### ■ Smart Card Link Mode

Set whether or not to require a passcode for smart card authentication when [Login to Remote Accounts] is selected.

### ■ Smart Card Certificate Verification

Set whether or not to verify the smart cart certificate when a user uses the smart card.

When [Enabled] is selected, the owner of the smart card is verified not only by PIN code verification but by certification verification of the smart card and private key match. In this case, the upper level CA certificate of the smart card certification must be registered on the machine.

When [Disabled] is selected, the owner of the smart card is verified by PIN code verification.

### ■ Smart Card Logout Timing

Select the logout method for smart card authentication when a contactless smart card is used for authentication.

When [Log Out when Card is Removed] is selected, you can logout from the machine by removing the smart card from the smart card reader. When [Log Out from Control Panel] is selected, you can logout by operating the touch screen or control panel.

■ **Save remote accounts in this machine**

Set whether or not to save user information used for remote authentication in the machine. When you select [Enabled] and perform remote authentication, user information is saved in the machine. The user can be authenticated using the information saved in the machine even when the remote authentication server is off.

**Note** • This setting applies only to a user who is authenticated by smart cards.

■ **Delete Remote Accounts**

Select whether or not to delete the user information saved in the machine for remote authentication. Select from [Do Not Delete], [Weekly], and [Monthly].

For [Weekly], you can set the day and time. For [Monthly], set the date and time.

**Note** • This setting applies only to a user who is authenticated by smart cards.

## Maximum Login Attempts by System Administrator

This feature protects the settings from being changed by someone impersonating your system administrator. If authentication for a system administrator's ID fails more than specified times continuously, access is denied.

You can specify a login attempt count from 1 to 10.

**Note** • The failure count is reset when the machine is restarted.
• To cancel the access rejection state, restart the machine by switching off and on the power.

## Passcode Policy

■ **Passcode Entry for Control Panel Login**

You can set whether a passcode is required when the system administrator or a user uses the machine. Selecting [On] enables [System Administrator's Passcode] setting and [Passcode] setting for [Create/View User Accounts].

Selecting [Off] does not require the passcode, even if a passcode is set in the above settings.

**Important** • The setting of [Passcode Entry for Control Panel Login] is used for authentication on the machine. A passcode must always be entered when accessing from remote devices using CentreWare Internet Services or the like, regardless of the use of passcode setting. Depending on authentication procedures, a passcode may be required for other processes as well.

**Note** • The system administrator's passcode is also required when you change settings from CentreWare Internet Services.

■ **Passcode Entry for Smart Card Login**

You can set whether a passcode is required when the system administrator or a user uses the machine.

■ **Minimum Passcode Length**

Set this item when you specify the minimum number of digits allowed for a passcode.

Set a value from 4 to 12 in 1 digit increments.

**Note** • This is only applicable to login users (not applicable to the system administrator and guests).
• Registered users can be authenticated with a passcode less than the minimum number of digits.

## Charge/Private Print Settings

You can set how received print jobs should be handled.

You can directly print jobs and temporarily store print jobs to Charge Print or Private Charge Print for stored files.

The Charge Print feature prints the print jobs of authenticated users. But, using this feature, you can also temporarily store print jobs and print them later by operating the machine. If

[Save as Charge Print Job] is selected, print jobs received are saved by a user ID for storage set in a print driver.

The Private Charge Print feature stores jobs to the machine, using the login User ID at print instruction. You can print the jobs later by operating the machine. Only the files of the login user are displayed on the touch screen, therefore, it can help ensure privacy protection as well as prevent output from being left in the tray.

**Note** • For more information on the Charge Print and Private Charge Print features, refer to "10 Job Status" > "Printing and Deleting Stored Jobs" and "11 Computer Operations" > "Print" in the User Guide.

To use Charge Print or Private Charge Print, [Receive Control] must be set. For more information, refer to "Receive Control" (P.286).

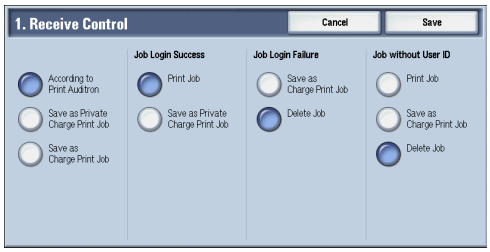
## Receive Control

You can set how received print jobs should be handled.

For information about printing from a print driver, refer to "11 Computer Operations" in the User Guide.

For information about printing or deleting the print job saved, refer to "10 Job Status" > "Printing and Deleting Stored Jobs" > "Private Charge Print" in the User Guide, and about deleting a Private Charge Print job with an invalid User ID, refer to "Deleting a Private Charge Print Job with an Invalid User ID" (P.98).

1. Select [Receive Control], and then select [Change Settings].
2. Select any item.
3. According to the selected item, set the processing to apply to jobs.




4. Select [Save] after the setting is completed.

### ■ According to Print Auditron

Specifies how print jobs should be handled when the Authentication and Accounting features are enabled and [Print] under [Service Access] is set to [Locked].

**Note** • When the Authentication and Accounting features are disabled and [Print] under [Service Access] is set to [Unlocked], the settings specified in the print driver are applied.

When [According to Print Auditron] is selected, [Job Login Success], [Job Login Failure], and [Job without User ID] are displayed.

- Job Login Success

  Set the processing to apply to successfully authenticated jobs.

  - To print jobs, select [Print Job].
  - To save jobs as Private Charge Print, select [Save as Private Charge Print Job].

**Note** • When [Save as Private Charge Print Job] is selected, the Secure Print, Sample Set, Store in Remote Folder, and Delayed Print settings specified in the print driver will be ignored.

- Job Login Failure

  Set the processing to apply to jobs authentication failed (whose information such as the user ID and passcode has been incorrectly registered on the print driver).

  - To save jobs as Private Charge Print, select [Save as Charge Print Job].
  - To delete jobs, select [Delete Job].

- Job without User ID

Set the processing to apply to jobs with no authentication user ID attached (such as print jobs sent from CentreWare Internet Services or e-mail print).

- To print jobs, select [Print Job].
- To save jobs as Charge Print, select [Save as Charge Print Job].
- To delete jobs, select [Delete Job].

**Note** • [Job without User ID] is automatically changed to [Print Job] on the machine when you select as follows on CentreWare Internet Services: [Properties] > [Security] > [Authentication Configuration] > [Non-account Print]. When [Job without User ID] is set to [Save as Charge Print Job] or [Delete Job], the [Non-account Print] check box on CentreWare Internet Services is deselected automatically.

### ■ Save as Private Charge Print Job

Regardless of whether the Authentication feature is being used or not, all jobs that have a user ID are saved as Private Charge Print. Jobs without user IDs are handled depending on the setting in [Job without User ID].

**Important** • When [Save as Private Charge Print Job] is selected, all the print jobs that have User IDs are saved regardless of whether or not being successfully authenticated. To minimize the unnecessary print jobs, specify an expiration date, so that they can be automatically deleted after a specified period of time. Or the system administrator can manually delete them. For details on how to specify an expiration date, refer to "Stored File Settings" (P.246). For details on how to delete the print jobs manually, refer to "Deleting a Private Charge Print Job with an Invalid User ID" (P.98).

**Note** • When [Save as Private Charge Print Job] is selected, the Secure Print, Sample Set, Store in Remote Folder, and Delayed Print settings specified in the print driver will be ignored.

When [Save as Private Charge Print Job] is selected, [Job without User ID] is displayed.

- Job without User ID

  Set how to process the e-mail print jobs with no user ID attached.

  - To print jobs, select [Print Job].
  - To save jobs as Charge Print, select [Save as Charge Print Job].
  - To delete jobs, select [Delete Job].

**Note** • [Job without User ID] is automatically changed to [Print Job] on the machine when you select as follows on CentreWare Internet Services: [Properties] > [Security] > [Authentication Configuration] > [Non-account Print]. When [Job without User ID] is set to [Save as Charge Print Job] or [Delete Job], the [Non-account Print] check box on CentreWare Internet Services is deselected automatically.

### ■ Save as Charge Print Job

Regardless of whether the Authentication feature is being used or not, all received jobs are saved as Charge Print.

**Important** • When using [Save as Charge Print Job], all the print jobs are saved regardless of whether or not being successfully authenticated. To minimize the unnecessary print jobs, specify an expiration date, so that they can be automatically deleted after a specified period of time. Or the system administrator can manually delete them. For details on how to specify an expiration date, refer to "Stored File Settings" (P.246). For details on how to delete the print jobs manually, refer to "10 Job Status" > "Printing and Deleting Stored Jobs" > "Charge Print" in the User Guide.

**Note** • When [Save as Charge Print Job] is selected, the Secure Print, Sample Set, Store in Remote Folder, and Delayed Print settings specified in the print driver will be ignored.

## Allow User to Disable Active Settings

Use this feature when you want use active settings for most jobs but not for specific jobs.

You can temporarily disable active settings such as Force Watermark, Print Universal Unique ID, and Force Annotation features that have been enabled.

This feature is applicable to Copy, Print from Folder, Print Stored File, Media Print - Text, and Media Print - Photos jobs when [Enable Active Settings] is selected (for jobs such as Fax, Client Print, and Report, you cannot disable active settings).

This option is displayed when [Enable Active Settings] is selected for [Allow User to Disable Active Settings] for the authorization group where the login user belongs.

**Note**
- If this setting is set to [Enable Active Settings] while a job is in progress, the setting is not effective for the job.
- You can disable active settings even when you select a file in a folder using the Job Flow feature and manually execute a job.
- Users with system administrator role can configure this feature regardless of authorization group.
- The Watermark feature specified by user using TrustMarkingBasic (purchase separately) or copy are not disabled.

For more information about Force Watermark, refer to "Watermark" (P.160).

For more information about Print Universal Unique ID, refer to "Print Universal Unique ID" (P.164).

For settings of authorization group, refer to "Authentication and Accounting Features" (P.383).

## Job Status Default

You can hide active jobs, completed jobs, and job logs from unauthenticated users or non-job owners, to protect privacy and prevent leakage of confidential information.

**Note**
- If you set to hide job details, you cannot stop or delete jobs you instructed. Therefore, you cannot cancel jobs in the case of operational error of copies or wrong transmission of faxes.



### Active Jobs View

Select whether or not to hide active jobs from local users.

### Completed Jobs View

Select from [All Job Viewing at All Times], [Require Login to View Jobs], and [No Job Viewing].

#### ■ Access To

This feature is displayed when [Require Login to View Jobs] is selected.

Select either [All Jobs] or [Jobs Run By Login User Only].

#### ■ Hide Job Details

This feature is displayed when [Allow Job Viewing at All Times] or [Require Login to View Jobs] is selected.

Select either [No] or [Yes].

## Overwrite Hard Disk

Select whether or not to conduct hard disk overwriting.

When copy, fax, scan, or print processing is completed, the data is deleted from the hard disk and the area on which the deleted data was stored is automatically overwritten with blank data. This feature prevents unauthorized retrieval or restoration of the data recorded on the hard disk. It also applies to copy document and other information stored temporarily by the system.

The following option can be configured.

**Note**
- To perform the Overwrite Hard Disk feature, an optional component is required. For more information, contact our Customer Support Center.

## Number of Overwrites

You can select the number of overwrites either once or three times.

**Important**
- If the machine is turned off during the overwriting, unfinished files may remain on the hard disk. The overwriting will resume if you turn the machine on again with the unfinished files remaining on the hard disk.
- Overwriting once erases the data, but overwriting three times makes it even more definite that the data cannot be restored. It does, however, take longer.
- During overwriting, normal operations may be slowed down.

**Note**
- An optional component is required to use this feature. For more information, contact our Customer Support Center.

For more information on how to check the status during overwriting, refer to "Overwrite Hard Disk" (P.115).

### ■ Prerequisite for Using Data Security Feature

The system administrator must follow the instructions below:

- To protect the data deleted from or stored on the hard disk, the following settings are required:
  - Number of Overwrites: [1 Overwrite] or [3 Overwrites]
  - Data Encryption: [On]: an encryption key of 12 digits
  - Service Representative Restricted Operation: [Yes]
- Change the system administrator's factory default passcode (x-admin). Register a new passcode of 7 characters or more (maximum 12 characters). Be careful not to register a passcode that can be easily assumed and not to store the registered passcode on a location that is easily accessible to other persons.

**Important**
- If the system administrator's user ID and passcode are forgotten, the machine configuration will not be able to recover in case of malfunction.

- Set [Passcode Entry for Control Panel Login] to [On].
- Set [Maximum Login Attempts by System Administrator] to 5 times.
- Note that the hard disk security will not be warranted if you do not correctly follow the above setting instructions.

For more information on how to set data encryption, refer to "Data Encryption" (P.171).

For more information on how to set service representative restricted operation, refer to "Service Rep. Restricted Operation" (P.172).

For more information on how to set [Passcode Entry for Control Panel Login], refer to "Passcode Policy" (P.285).

For more information on how to set the system administrator's user ID, refer to "System Administrator's Login ID" (P.279).

The manager (of the organization that this machine is used for) must follow the instructions below:

- Assign an appropriate person as a system administrator and manage and train the person properly.
- When turning off the machine, make sure no operation is running. Train the users to turn off the machine after an active operation completes, if any.
- Note that the Data Security Feature is used to protect deleted document data from being recovered; it does not protect files stored in folders in the hard disk.
- Install an anti-bugging device on the internal network that the machine with the Data Security Feature is located on, and perform the network settings properly to protect the machine from interceptions.
- To block unauthorized access, install a firewall device between the external network and the internal network that the machine is located on.

- Set the passcode and encryption key according to the following rules:
  - Do not use easily assured character string
  - Use both characters and numerics

  For more information on encryption key, refer to "Encryption Key for Confidential Data" (P.172).

# 6 CentreWare Internet Services Settings

This chapter describes how to set up CentreWare Internet Services.


- Installation of CentreWare Internet Services ..... 292
- Starting CentreWare Internet Services ..... 294
- Configuring Machine Settings Using CentreWare Internet Services ..... 295

# Installation of CentreWare Internet Services

CentreWare Internet Services provides services such as displaying the status of the machine and jobs, and altering configurations using a web browser in a TCP/IP environment.

## Preparations

Prepare a computer supporting the TCP/IP protocol to use CentreWare Internet Services.

CentreWare Internet Services supports the following browsers:

**■ For Windows 7**

- Microsoft Internet Explorer 8.0

**■ For Windows Vista**

- Microsoft Internet Explorer 7.0

**■ For Windows XP**

- Mozilla Firefox 3.0
- Microsoft Internet Explorer 6.0 Service Pack 3

**■ For Mac OS X 10.6**

- Safari 4
- Mozilla Firefox 3.0

**■ For Mac OS X 10.5**

- Mozilla Firefox 3.0

**■ For Mac OS X 10.4**

- Mozilla Firefox 3.0
- Safari 1.3

**■ For Mac OS X 10.3.9**

- Mozilla Firefox 3.0

Refer to "CentreWare Internet Services Problems" (P.460) when any troubles occur during the configuration.

## Configuration on the Machine

The following describes the configuration procedure for using CentreWare Internet Services on the machine.

*1* Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and then select [Enter].

**Note** • The default user ID is "11111".

- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.
4) Select [System Settings].

***2*** Enable the Internet Services (HTTP) port on the machine.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [Internet Services (HTTP)], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set an IP address.
If an IP address is already set, you can skip this step. For an environment with DHCP or BOOTP, configure the method for obtaining the address. If an IP address cannot be obtained automatically or manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen appears.

***5*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***6*** After the machine reboots, you can print out a configuration report to confirm that the port for CentreWare Internet Services is enabled and TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

***7*** Start CentreWare Internet Services to confirm whether the service is available or not.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

# Starting CentreWare Internet Services

To use CentreWare Internet Services, perform the following procedure on your computer.

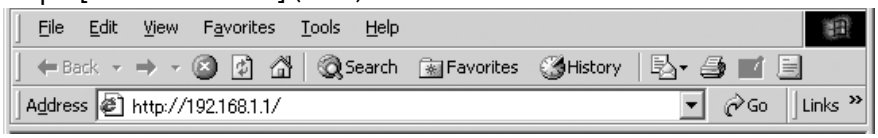
When Login Type is selected on the machine, authentication is required to access the machine via a web browser.

1 Start a web browser.

2 Enter the machine's IP address or the Internet address in the address box on the web browser, and press the <Enter> key.

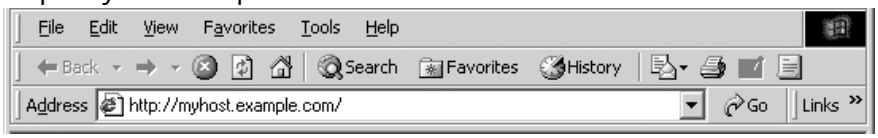
- Example of the IP address entry

  http://192.168.1.1/ (IPv4)
  http://[2001:DB8::1234] (IPv6)




- Example of the Internet address entry (when the machine's Internet address is myhost.example.com)

  http://myhost.example.com/




**Note**

- If your network uses DNS (Domain Name System) and the machine's host name is registered on the domain name server, you can access the machine using the Internet address combining the host name and the domain name. For example, if the host name is "myhost", and the domain name is "example.com" then the Internet address is "myhost.example.com".
- When specifying a port number, add ":" and the port number after the Internet address.
- If using the Authentication feature on the machine, enter a user ID and passcode in the [User Name] and [Password] fields. If you are not sure about the user ID and passcode, consult your system administrator.
  The features you can operate vary depending on the system administrator's authority that was given to a user.
- If communications are encrypted; when the [Enabled] check box is selected under [Security] > [SSL/TLS Settings] > [HTTP-SSL/TLS Communication] on the [Properties] tab, you must specify an address that starts with "https" instead of "http" to access CentreWare Internet Services.
  Example of the IP address entry
  https://192.168.1.1/ (IPv4)
  https://[2001:DB8::1234] (IPv6)
  Example of the Internet address entry
  https://myhost.example.com/

If CentreWare Internet Services is not displayed, refer to "CentreWare Internet Services Problems" (P.460).

# Configuring Machine Settings Using CentreWare Internet Services

CentreWare Internet Services enables you to change various settings on the machine from a computer.

**Note**
- Confirm that the port in use is enabled in [Properties] tab > [Connectivity] > [Port Settings] of CentreWare Internet Services when an item that you want to set is not displayed.
- If you change a setting from CentreWare Internet Services while the control panel is being used, the change does not take effect until you manually reboot the machine. If [Auto Clear] is set to [On], the changed items are displayed on the control panel after the machine reboots. For information about Auto Clear, refer to "Auto Clear" (P.145).
- You may be prompted to enter your user name and passcode when you attempt to change settings on CentreWare Internet Services. In that case, enter the system administrator's user ID and passcode into the [User Name] and [Password] fields. The default user ID is "11111" and passcode is "x-admin".

You can configure the following settings with CentreWare Internet Services:

**Note**
- For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.
- To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

| Item | How to Select | Overview/Reference |
|---|---|---|
| Usage Counters | Select from [Status] tab > [Counters] | Displays the total number of pages printed for each service. |
| Total Runtime | Select from [Status] tab | Displays the cumulative time of runtime (printing or scanning), standby time, Sleep mode time, warm-up time, and power-off time of the machine by minutes. |
| Job Templates | Select from [Scan] tab | Allows you to create, edit, copy, or delete job templates. |
| Folder | | Refer to "Create Folder" (P.250). |
| Job Flow Sheets | | Refer to "Create Job Flow Sheet" (P.252) |
| Add New Name | Select from [Address Book] tab | Refer to "Add Address Book Entry" (P.261). |

| Item | How to Select | Overview/Reference |
|---|---|---|
| Job Management | Select from [Properties] tab > [General Setup] | Allows you to configure the delete method of jobs. |
| Paper Tray Attributes | | Refer to "Changing the Paper Settings" (P.56). |
| Paper Settings | | Refer to "Changing the Paper Settings" (P.56). |
| Energy Saver Settings | | Refer to "Changing the Interval for Entering Energy Saver Mode" (P.22). |
| Stored Job Settings | | Refer to "Stored File Settings" (P.246). |
| Memory Settings | | Refer to "Allocate Memory" (P.212). |
| Web Browser Setup | | Refer to "Web Browser Setup" (P.248). |
| Internet Services Settings | | Allows you to configure the auto refresh interval and the display language of the CentreWare Internet Services settings. |
| Pool Server Settings | | Leave the default settings unchanged because a pool server is not available for the machine.<br>Refer to "Job Flow Service Settings" (P.244). |
| Cloning | | Allows you to save the settings of the machine in a file, and copy the file to the other machine of the same model but not to the other models. |
| Notify Job Completion by E-mail | Select from [Properties] tab > [General Setup] > [Alert Notification] | Refer to "Notify Job Completion by E-mail" (P.164). |
| E-mail Notification for Machine Status | | Allows you to configure the recipient of the notification and a status of which to be notified. |
| Port Settings | Select from [Properties] tab > [Connectivity] | Refer to "Port Settings" (P.185). |
| Physical Connections | | Refer to "Port Settings" (P.185). |
| Protocols | | Refer to "Protocol Settings" (P.190). |
| Language Emulations | Select from [Properties] tab > [Services] > [Printing] | Refer to "Print Mode" (P.115). |

| Item | How to Select | Overview/Reference |
|---|---|---|
| E-mail | Select from [Properties] tab > [Services] | Refer to "E-mail/Internet Fax Service Settings" (P.239). |
| Internet Fax | | Refer to "E-mail/Internet Fax Service Settings" (P.239). |
| Fax | | Refer to "Fax Service Settings" (P.226). |
| Scan to PC | | Refer to "Configuration of Scan to PC" (P.330). |
| Scan to Home | | Refer to "Configuration of Scan to Home" (P.336). |
| Network Scanning | | Refer to "Configuration of Network Scanning (Job Template Scanning)" (P.334). |
| Store & Send Link | | Refer to "Configuration of Store & Send Link" (P.342). |
| Store to USB | | Refer to "Configuration of Store to USB" (P.333). |
| Custom Services | | Allows you to configure the Validation Options settings. Sends the user name with the validation request if the user is authenticated on the machine. |
| Media Print | | Allows you to enable and disable the Media Print - Text and Media Print - Photos services. |
| USB | | Allows you to enable and disable Store to USB, Media Print - Text and Media Print - Photos settings |
| EP Service | | Allows you to configure the EP system with an active Internet connection. For details about EP Service, contact our Customer Support Center. |
| Accounting | Select from [Properties] tab | Refer to "Accounting" (P.270). |
| Authentication Configuration | Select from [Properties] tab > [Security] | Refer to "Authentication" (P.280). |
| User Details Setup | | Refer to "User Details Setup" (P.283). |
| Create Authorization Groups | | Refer to "Create Authorization Groups" (P.282). |
| Remote Authentication Servers | | Refer to "Remote Authentication/Directory Service" (P.201). |
| IP Filtering | | Allows you to configure the IPs to permit access, for IPv4 and IPv6 respectively. |
| Unbounded Port | | Allows you to set unbounded port numbers. |
| Audit Log | | Allows you to enable the Audit Log feature that logs the operation on the machine, and retrieve the audit log. |
| Machine Digital Certificate Management | | Allows you to create a self-signed certificate and import a certificate to the machine. |

| Item | How to Select | Overview/Reference |
|---|---|---|
| IPSec | Select from [Properties] tab > [Security] | Refer to "Configuration of Encryption using IPSec" (P.372). |
| Certificate Management | | Displays the certificates registered on the machine. Also allows you to select, delete, and export of the certificate. |
| Certificate Revocation Retrieval Settings | | Refer to "Certificate Revocation Retrieval Settings" (P.210). |
| IEEE 802.1x | | Refer to "IEEE 802.1x Settings" (P.210). |
| SSL/TLS Settings | | Refer to "SSL/TLS Settings" (P.206). |
| S/MIME Settings | | Refer to "S/MIME Settings" (P.207). |
| PDF/DocuWorks/XPS Signature Settings | | Refer to "PDF/DocuWorks/XPS Signature Settings" (P.208). |
| Watermark | | Refer to "Watermark" (P.160). |
| Force Annotation | | Refer to "Force Annotation" (P.162). |
| Job Status Default | | Allows you to configure the display/hide settings for completed and active jobs. |
| Service Representative Restricted Operation | | Allows you to restrict the operation of service representatives. Prevents the machine from being altered by someone impersonating our service representative. |
| System Administrator Settings | | Refer to "System Administrator Settings" (P.279). |
| IC Card Settings | | Allows you to configure the smart card settings and backup the settings. |

# 7 Printer Environment Settings

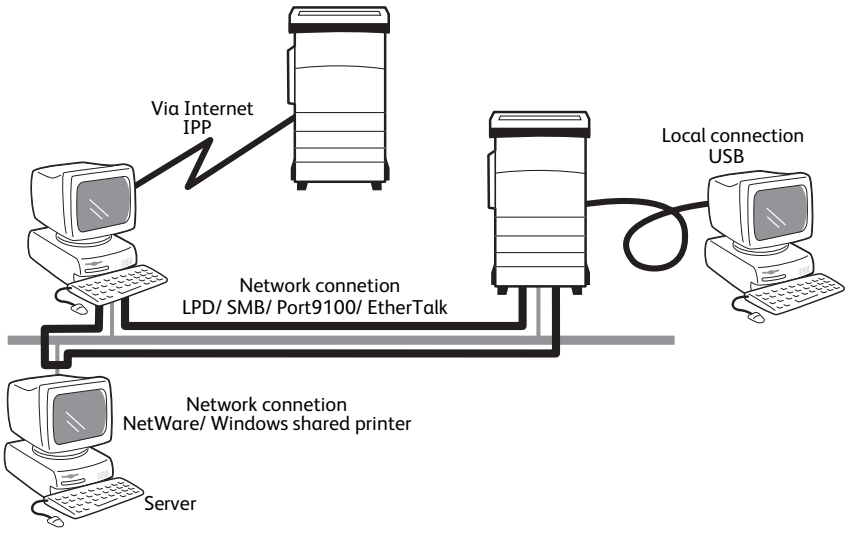
This chapter describes the settings to use the Print feature on the machine.


- Print Overview ..... 300
- Installation When Using USB Port ..... 303
- Installation When Using TCP/IP (LPD/Port 9100) ..... 305
- Installation When Using NetWare ..... 308
- Installation When Using Microsoft Network (SMB) ..... 311
- Installation When Using Internet Printing Protocol (IPP) ..... 313
- Installation When Using EtherTalk ..... 315

# Print Overview

This machine can be set up as a local printer by directly connecting the machine to a computer using a USB interface cable. Similarly, it can be set up as a network printer by connecting the machine to a network.

Enable the necessary port using the control panel or CentreWare Internet Services.




**Note**
- The print drivers are contained in the Driver CD Kit. For information on the driver installation procedures, refer to the manual contained in the Driver CD Kit.
- You can download the latest print driver from our web site.



## Using the Machine as a Local Printer

### ■ USB

Use a USB interface cable to directly connect the machine to a computer.

For more information on how to set up the machine using USB connection, refer to "Installation When Using USB Port" (P.303).

## Using the Machine as a Network Printer

To set up the machine as a network printer, the following protocols are available to connect the machine.

### ■ LPD

Use LPD when direct communication between the machine and a computer via TCP/IP is available.

For more information on how to set up the machine using LPD, refer to "Installation When Using TCP/IP (LPD/Port 9100)" (P.305).

### ■ NetWare

The machine supports the PServer mode using Netware directory service and bindery service. The PServer mode enables the machine to function as a printer server, and to retrieve print jobs in the print queue to output. The printer created for the machine consumes one user license of the file server.

**Note**
- The machine does not support Remote Printer (RPrinter) mode.

- You can use the machine as a printer in a NDPS environment by using a Novell NDPS Gateway. To use the machine as a printer in a NDPS environment, you need to have the machine operating in a NetWare print environment beforehand, or enable LPD in advance and set it as a gateway destination in a Novell NDPS Gateway setup. Attributes, however, that can be set or obtained by NDPS are not supported.

- Supported interfaces
  - 100BASE-TX
  - 10BASE-T
- Supported frame types
  - Ethernet II specification
  - IEEE802.3 specification
  - IEEE802.3 / IEEE802.2 specification
  - IEEE802.3 / IEEE802.2 / SNAP specification

**Note**
- The machine sends out packets of each frame type on the network, and will initialize for the same frame type as that of the first reply packet received. The frame type can also be fixed. If, however, there are multiple protocols running on the same network, use Ethernet II specification.
- Some network equipment, such as hubs, may not be compatible with the automatic frame type detection. If a data link indicator corresponding to the port of the network equipment connected with the machine is not lit up, change the frame type settings of the machine accordingly with that of the file server. Use CentreWare Internet Services to change these settings.

For more information on how to set up the machine using NetWare, refer to "Installation When Using NetWare" (P.308).

### ■ SMB

Use SMB to print using Microsoft Network.

For more information on how to set up the machine using SMB, refer to "Installation When Using Microsoft Network (SMB)" (P.311).

### ■ IPP

Use IPP to print via the Internet.

For more information on how to set up the machine using IPP, refer to "Installation When Using Internet Printing Protocol (IPP)" (P.313).

### ■ Port 9100

Use Port9100 when the machine uses Port9100.

For more information on how to set up the machine using Port 9100, refer to "Installation When Using TCP/IP (LPD/Port 9100)" (P.305).

### ■ EtherTalk

Use EtherTalk when you print from a Macintosh computer.

**Note**
- The Adobe PostScript 3 Kit (optional) is required.

For more information on how to set up the machine using EtherTalk, refer to "Installation When Using EtherTalk" (P.315).

## Supported Operating Systems

| Connection method | | Local connection | Network connection | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Port | | USB 2.0*1 | LPD | NetWare | | SMB | | IPP | Port 9100 | WSD*2 | Ether Talk | Bonjour |
| Protocol | | - | TCP/IP | TCP/IP | IPX/SPX | Net BEUI | TCP/IP | TCP/IP | TCP/IP | WSD | Apple Talk | Bonjour |
| OS | Windows 2000 | O | O | O | O | O | O | O | O | | | |
| | Windows XP | O | O | O | O | | O | O | O | | | |
| | Windows Server 2003 | O | O | O | O | | O | O | O | | | |
| | Windows Server 2008 | O | O | O | O | | O | O | O | | | |
| | Windows Vista | O | O | O | O | | O | O | O | O | | |
| | Windows 7 | O | O | | | | O | O | O | O | | |
| | UNIX | | O*3 | | | | | | | | | |
| | Mac OS | O*4 | O*4 | | | | | *5 | O*6 | | O*7 | O*8 |

O : Available
Blank : Not available

*1 : A USB 2.0 port is required on a computer to connect.
*2 : WSD stands for Web Services on Devices.
*3 : The Adobe PostScript 3 Kit (optional) and a Unix filter are required to print PostScript data.
*4 : Supports Mac OS 8.6/9.2.2 English, and Mac OS X 10.3.9 - 10.4.11/10.5/10.6/10.7 English. The Adobe PostScript 3 Kit (optional) is required to use these ports. However, for Mac OS X 10.5 English or later, you can use these ports without the Adobe PostScript 3 Kit (optional) if you install the print driver for Max OS X contained in the Driver CD Kit.
*5 : Supports Mac OS X v10.7 Lion.
*6 : Supports Mac OS X 10.6/10.7 English. You can use the port without the Adobe PostScript 3 Kit (optional) if you install the print driver for Max OS X contained in the Driver CD Kit.
*7 : The Adobe PostScript 3 Kit (optional) is required. The machine does not support Mac OS X v10.7 Lion English.
*8 : Supports Mac OS 10.3.9 - 10.4.11/10.5/10.6/10.7 English. The Adobe PostScript 3 Kit (optional) is required to use this port. However, for Mac OS X 10.4.11 English or later, you can use the port without the Adobe PostScript 3 Kit (optional).

**Note** • The print driver supplied with the Adobe PostScript 3 Kit (optional) supports only English operating systems.

For information on network environments, refer to the manual contained in the Driver CD Kit.

# Installation When Using USB Port

This section describes how to install the machine using a USB interface.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 303
Step 2 Configuration on the Machine ..... 303
Step 3 Configuration on the Computer ..... 304
CentreWare Internet Services Setting Items ..... 304

## Step 1 Preparations

The following items are required to connect the machine to a computer via a USB interface.

- USB cable
- The Driver CD Kit (provided with the machine)
- The Adobe PostScript 3 Kit (optional) - this is required only when using a Macintosh computer

**Note**
- For Mac OS 9.2.2 English, and Mac OS X 10.3.9 - 10.4.11 English, Adobe PostScript 3 Kit (optional) is required. For Mac OS X 10.5/10.6/10.7 English, you can use EtherTalk without the Adobe PostScript 3 Kit (optional) if you install the print driver for Mac OS X contained in the CD-ROM provided with the driver.

## Step 2 Configuration on the Machine

The following describes the configuration procedures to use a USB interface on the machine.

**Note**
- To print binary data using a USB interface, set [Adobe Communication Protocol] to [RAW]. For more information, refer to "USB" (P.185).
- You can configure the settings using CentreWare Internet Services. For items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.304).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the USB port on the machine.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [USB], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].

3 Configure [Print Mode] or [Auto Eject Time] as necessary.

For information on the setting items, refer to "USB" (P.185).

4 Select [Close] repeatedly until the [Tools] screen is displayed.

5 Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

6 Print a configuration report to confirm that the USB port is enabled.

For information on how to print a configuration report, refer to "Printer Reports" (P.107).

## Step 3 Configuration on the Computer

To print from the machine, you need to install a print driver on your computer.

For information on the supported operating systems, refer to "Supported Operating Systems" (P.302).

For information on the driver installation procedures, refer to the manual contained in the Driver CD Kit.

**Note** • For Mac OS 9.2.2 English, and Mac OS X 10.3.9 - 10.4.11 English, Adobe PostScript 3 Kit (optional) is required. For Mac OS X 10.5/10.6/10.7 English, you can use USB without the Adobe PostScript 3 Kit (optional) if you install the print driver for Mac OS X contained in the CD-ROM provided with the driver.

• For information on the installation procedures of Adobe PostScript 3 Kit (optional), refer to the manual contained in the CD-ROM provided with the Adobe PostScript 3 Kit (optional).

## CentreWare Internet Services Setting Items

You can configure the following setting items using CentreWare Internet Services:

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

- Receiving buffer size for the USB interface ([Properties] > [General Setup] > [Memory Settings] > [USB])
- Port Settings
- Bi-directional Communication
- Auto Eject Time
- Adobe Communication Protocol

**Note** • The Adobe Communication Protocol can be configured when the Adobe PostScript 3 Kit (optional) is installed.

- PostScript Wait Timeout

**Note** • The PostScript Wait Timeout can be configured when the Adobe PostScript 3 Kit (optional) is installed.

# Installation When Using TCP/IP (LPD/Port 9100)

This section describes how to install the machine using TCP/IP.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 305
Step 2 Configuration on the Machine ..... 305
Step 3 Configuration on the Computer ..... 306
CentreWare Internet Services Setting Items ..... 307

## Step 1 Preparations

The following items are required to use the machine via TCP/IP (LPD/Port 9100).

- TCP/IP network environment
- The Driver CD Kit (provided with the machine)
- The Adobe PostScript 3 Kit (optional) - this is required only when using a Macintosh computer

**Note**
- For Mac OS 9.2.2 English, and Mac OS X 10.3.9 - 10.4.11/10.5/10.6/10.7 English, the Adobe PostScript 3 Kit (optional) is required to use the LPD port. However, for Mac OS X 10.5/10.6/10.7 English, you can use the LPD port without the Adobe PostScript 3 Kit (optional) if you install the print driver for Max OS X contained in the CD-ROM provided with the driver.
- For Mac OS X 10.6/10.7, you can use the Port9100 port without the Adobe PostScript 3 Kit (optional) if you install the print driver for Max OS X.

## Step 2 Configuration on the Machine

The following describes the configuration procedures to use TCP/IP (LPD/Port 9100) on the machine. Enable the LPD Port or the Port 9100 port, and then configure TCP/IP settings.

**Note**
- You can configure the settings using CentreWare Internet Services or the Driver CD Kit. For information on how to configure the setting using the Driver CD Kit, refer to the manual contained in the Driver CD Kit.

For the items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.307).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the LPD port or Port 9100 port as appropriate.
In this example, the LPD port is enabled.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [LPD], and then select [Change Settings].

4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set an IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. The configuration of an IP address, a subnet mask, and a gateway address is not required.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** If the operating system on the client is Mac OS X 10.3.9 or later, enable the Bonjour port, and the Discovery feature that automatically detects printers on the IP network can be enabled.

**Note**
- The Adobe PostScript 3 Kit (optional) is required to use the port. However, for Mac OS X 10.4.11 or later, you can use the port without the Adobe PostScript 3 Kit (optional).
- To print from a printer detected by Bonjour, the LPD port must be enabled in advance.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [Bonjour], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].

***5*** Select [Close] repeatedly until the [Tools] screen is displayed.

***6*** Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***7*** Print a configuration report to confirm that the LPD port is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

***8*** Configure other LPD or Port 9100 settings as necessary.

For information on how to set up the LPD port or Port 9100, refer to "CentreWare Internet Services Setting Items" (P.307).

## Step 3 Configuration on the Computer

To print from the machine, you need to install a print driver on your computer.

For information on the supported operating systems, refer to "Supported Operating Systems" (P.302).

For information on the driver installation procedures, refer to the manual contained in the Driver CD Kit.

You can print via TCP/IP (LPD) from a Macintosh computer for Mac OS X 10.5/10.6/10.7.

For information on the installation procedures of the print driver for Mac OS X, refer to the manual contained in the CD-ROM provided with the driver.

For information on the installation procedures of Adobe PostScript 3 Kit (optional), refer to the manual contained in the CD-ROM provided with the Adobe PostScript 3 Kit (optional).

## CentreWare Internet Services Setting Items

You can configure the following setting items using CentreWare Internet Services:

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

- Spool Destination for Jobs
  ([Properties] > [General Setup] > [Memory Settings] > [LPD])

**Note** • The spool destination can be configured when the LPD port is enabled.

- Receiving buffer size for Port 9100
  ([Properties] > [General Setup] > [Memory Settings] > [Port 9100])
- Port Settings
- IP Mode
- Host Name
- IPv4
  - IP Address Resolution
  - Port Settings
  - IP Address
  - Subnet Mask
  - Gateway Address
- IPv6
  - Enable Manual Address
  - IP Address
  - Link-Local Address
  - Gateway Address
- Domain Name
- DNS Configuration
  - IPv4
  - IPv6
- DHCP/DDNS
- WINS Server
- Port Number
- TBCP Filter

**Note** • The TBCP filter can be configured when the Adobe PostScript 3 Kit (optional) is installed.

- Connection Time-Out
- Maximum Number of Sessions

**Note** • The Maximum Number of Sessions can be configured when the LPD port is enabled.

- TCP-MSS Mode
- IPv4 Subnet Mask when TCP-MSS Mode is enabled
- IP Filtering
  - IPv4 Filtering
  - IPv6 Filtering

# Installation When Using NetWare

This section describes how to install the machine using Netware.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 308
Step 2 Configuration on the Machine ..... 308
Step 3 Configuration on the Computer ..... 310
CentreWare Internet Services Setting Items ..... 310

## Step 1 Preparations

The following items are required to set up the machine to use NetWare.

- NetWare server
- TCP/IP or IPX/SPX network environment
- The Driver CD Kit (provided with the machine)

## Step 2 Configuration on the Machine

The following describes the configuration procedures to use NetWare on the machine.

**Note**
- You can configure the settings using CentreWare Internet Services or the Driver CD Kit. For information on how to configure the setting using the Driver CD Kit, refer to the manual contained in the Driver CD Kit.

For the items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.310).

### Using IPX/SPX

*1* Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

*2* Enable the NetWare port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [NetWare], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].

*3* Select [Close] repeatedly until the [Tools] screen is displayed.

*4* Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***5*** Print a configuration report to confirm that the NetWare port is enabled, and confirm the NetWare device name and the network address.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

***6*** Configure the machine using the Driver CD Kit.

For information on the settings, refer to the manual contained in the Driver CD Kit.

### Using an LPD Port in NDPS

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the LPD port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [LPD], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set an IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. The configuration of an IP address, a subnet mask, and a gateway address is not required.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

***5*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***6*** Print a configuration report to confirm that the LPD port is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

Configure other LPD settings as necessary. For information on the LPD settings, refer to "Installation When Using TCP/IP (LPD/Port 9100)" (P.305).

***7*** Configure the machine using the Driver CD Kit.

For information on the settings, refer to the manual contained in the Driver CD Kit.

## Step 3 Configuration on the Computer

To print from the machine, you need to install a print driver on your computer.

For information on the supported operating systems, refer to "Supported Operating Systems" (P.302).

For information on the driver installation procedures, refer to the manual contained in the Driver CD Kit.

## CentreWare Internet Services Setting Items

You can configure the following setting items using CentreWare Internet Services:

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

- Receiving buffer size for the NetWare interface ([Properties] > [General Setup] > [Memory Settings] > [NetWare])
- Port Settings
- Transport Protocol (IPX/SPX) Frame Type
- Queue Poll Interval
- Printer Server Name
- Password
- Active Mode
- Number of Searches
- TBCP Filter

**Note** • The TBCP filter can be configured when the Adobe PostScript 3 Kit (optional) is installed.

- File Server Name

**Note** • The File Server Name can be configured when the operation mode is in Bindery Service.

- NDS Tree/NDS Context

**Note** • The DNS Tree/NDS Context can be configured only when the operation mode is in Bindery Service.

- SLP
  - Version
  - Active Discovery
  - Use SLP for Name Resolution
  - Scope
  - SLP Server

# Installation When Using Microsoft Network (SMB)

This section describes how to install the machine using Microsoft Network (SMB).

The following shows the reference section for each procedure.

Step 1 Preparations ..... 311
Step 2 Configuration on the Machine ..... 311
Step 3 Configuration on the Computer ..... 312
CentreWare Internet Services Setting Items ..... 312

## Step 1 Preparations

The following items are required to set up the machine to use Microsoft Network (SMB).

- NetWare server
- TCP/IP or NetBEUI network environment
- The Driver CD Kit (provided with the machine)

## Step 2 Configuration on the Machine

The following describes the configuration procedures to use Microsoft Networks (SMB) on the machine. Enable the LPD Port, and then configure TCP/IP settings.

**Note**
- You can configure the settings using CentreWare Internet Services or the Driver CD Kit. For information on how to configure the setting using the Driver CD Kit, refer to the manual contained in the Driver CD Kit.

For the items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.312).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools].

***2*** Enable the SMB port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [SMB], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set an IP address and the other addresses.

Skip this step if an IP address is already set.

If DHCP or BOOTP is available in your environment, configure the method for obtaining the

address. The configuration of an IP address, a subnet mask, and a gateway address is not required.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

4 Select [Close] repeatedly until the [Tools] screen is displayed.

5 Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

6 Print a configuration report to confirm that the SMB port is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

**Note** • If NetBEUI protocol is used as the transport protocol, select [NetBEUI] on the [Port Settings] screen for SMB in CentreWare Internet Services.

7 Configure the other SMB settings as necessary.

For information on the SMB settings, refer to "CentreWare Internet Services Setting Items" (P.312).

## Step 3 Configuration on the Computer

To print from the machine, you need to install a print driver on your computer.

For information on the supported operating systems, refer to "Supported Operating Systems" (P.302).

For information on the driver installation procedures, refer to the manual contained in the Driver CD Kit.

## CentreWare Internet Services Setting Items

You can configure the following setting items using CentreWare Internet Services:

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

- Spool Destination for Jobs
  ([Properties] > [General Setup] > [Memory Settings] > [SMB])
- Port Settings
- Transport Protocol
- Maximum Connections
- Workgroup
- Server Name
- TBCP Filter

**Note** • The TBCP filter can be configured when the Adobe PostScript 3 Kit (optional) is installed.

- Unicode Support
- Auto Master Mode
- Password Encryption
- Obtain WINS Server Address Automatically
- Primary Server IP Address & Port
- Secondary Server IP Address & Port

# Installation When Using Internet Printing Protocol (IPP)

This section describes how to install the machine using Internet Printing Protocol (IPP).

The following shows the reference section for each procedure.

Step 1 Preparations ..... 313
Step 2 Configuration on the Machine ..... 313
Step 3 Configuration on the Computer ..... 314
CentreWare Internet Services Setting Items ..... 314

**Note** • If the size of print data sent via IPP is larger than the value set in the proxy server, the machine cannot receive the data. In this case, set a larger value in the proxy server or change your browser setting not to use the proxy server.

## Step 1 Preparations

The following items are required to set up the machine to use Internet Printing Protocol (IPP).

- TCP/IP network environment
- The Driver CD Kit (provided with the machine)

## Step 2 Configuration on the Machine

The following describes the configuration procedures to use Internet Printing Protocol (IPP) on the machine. Enable the IPP port, and then configure TCP/IP settings.

**Note** • You can configure the settings using CentreWare Internet Services or the Driver CD Kit. For information on how to configure the setting using the Driver CD Kit, refer to the manual contained in the Driver CD Kit.

For the items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.314).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the IPP port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [IPP], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

3 Set an IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. The configuration of an IP address, a subnet mask, and a gateway address is not required.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

4 Select [Close] repeatedly until the [Tools] screen is displayed.

5 Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

6 Print a configuration report to confirm that the IPP port is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

7 Configure other IPP settings as necessary.

Refer to "CentreWare Internet Services Setting Items" (P.314).

## Step 3 Configuration on the Computer

To print from the machine, you need to install a print driver on your computer.

For information on the supported operating systems, refer to "Supported Operating Systems" (P.302).

For information on the driver installation procedures, refer to the manual contained in the Driver CD Kit.

## CentreWare Internet Services Setting Items

You can configure the following setting items using CentreWare Internet Services:

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

- Spool Destination for Jobs
  ([Properties] > [General Setup] > [Memory Settings] > [IPP])
- Port Settings
- Add Port Number
- TBCP Filter

**Note** • The TBCP filter can be configured when the Adobe PostScript 3 Kit (optional) is installed.

- Administrator Mode
- DNS
- Connection Time-Out

# Installation When Using EtherTalk

This section describes how to install the machine using EtherTalk.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 315
Step 2 Configuration on the Machine ..... 315
Step 3 Configuration on the Computer ..... 316
CentreWare Internet Services Setting Items ..... 316

## Step 1 Preparations

The following items are required to set up the machine to use the EtherTalk interface.

- EtherTalk network environment
- The Adobe PostScript 3 Kit (optional)

## Step 2 Configuration on the Machine

The following describes the configuration procedures to use EtherTalk on the machine.

**Note**
- EtherTalk can be configured when the Adobe PostScript 3 Kit (optional) is installed.
- You can configure the settings using CentreWare Internet Services. For the items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.316).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the EtherTalk port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [EtherTalk], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].

***3*** Select [Close] repeatedly until the [Tools] screen is displayed.

***4*** Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***5*** Print a configuration report to confirm that the EtherTalk port is enabled.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

*6* Configure other EtherTalk settings as necessary.

For information on the EtherTalk settings, refer to "CentreWare Internet Services Setting Items" (P.316).

## Step 3 Configuration on the Computer

To print from the machine, you need to install a print driver on your computer.

For information on the supported operating systems, refer to "Supported Operating Systems" (P.302).

For information on the installation procedures of the Adobe PostScript 3 Kit (optional), refer to the manual contained in the CD-ROM provided with the Adobe PostScript 3 Kit (optional).

## CentreWare Internet Services Setting Items

You can configure the following setting items using CentreWare Internet Services:

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

- Receiving buffer size for the AppleTalk interface ([Properties] > [General Setup] > [Memory Settings] > [EtherTalk])
- Port Settings
- Printer Name
- Zone Name

# 8 E-mail Environment Settings

This chapter describes the settings to use various services via e-mail on the machine.

**Note** • This feature does not appear for some models. For such models, an optional component is required. For more information, contact our Customer Support Center.


- E-mail Overview ..... 318
- Preparations ..... 320
- Installation Procedures ..... 322

# E-mail Overview

The machine can send and receive e-mails.

The following services and features are available using e-mail:

- E-mail
- Store & Send Link
- Internet Fax Service
- Print E-mail
- E-mail Notification (Status notifications such as consumables)
- Job Completion Notice

**Note** • This feature does not appear for some models. An optional component is required to use this feature. For more information, contact our Customer Support Center.

### ■ E-mail

Scanned documents can be converted into electronic form and transmitted via e-mail.

### ■ Store & Send Link

The machine can convert a document, scanned by a user authenticated by the machine into electronic form, store it in the hard disk, and send a URL that indicates the location of the document.

### ■ Internet Fax Service

Unlike the normal fax transmissions via telephone lines, faxed data is transmitted via a corporate intranet or the Internet as an e-mail attachment.

The message body of e-mail is processed according to the settings in [Incoming Internet Fax Print Options] of CentreWare Internet Services.

### ■ Print E-mail

You can send and transfer e-mails with files attached from computers. File formats that can be attached to the e-mails are TIFF, PDF, JPEG (JFIF), XDW (DocuWorks documents), XBD (DocuWorks binders), and XPS.

The message body of e-mail is processed according to the settings in [Incoming E-mail Print Options] of CentreWare Internet Services.

### ■ E-mail Notification (Status notifications such as consumables)

The machine can notify the status information such as consumable status, parts status, and paper tray status that is set in [E-mail Notification for Machine Status] of CentreWare Internet Services to a specified recipient. By receiving the statuses of consumables periodically or when they need to be replaced soon, you can properly determine when to replace the toner and drum cartridges.

It is recommended that you register the address of the system administrator or a shared address as the recipient of the e-mail.

### ■ Job Completion Notice

The following methods can be used to notify the completion of the jobs. Register the address of the network administrator or a shared address as necessary.

- Notify the Completion of Jobs by E-mail

  When a computer submitted a print job or a Direct Fax job to the machine, its completion can be notified by e-mail. For more information, refer to the help of the print driver.

- Notify Job Completion by E-mail

  You can receive the result of the jobs performed by e-mail. For more information, refer to "Notify Job Completion by E-mail" (P.164).

- E-mail Notification

  You can receive an e-mail notification when a file is saved in a folder or a job flow ends. For more information, refer to "E-mail Notification" (P.260).

# Preparations

The following items must be set to use the E-mail feature.

For more information on the preparations to use the Internet Fax feature, refer to "Preparations" (P.356).

### ■ Configuration on the Machine

| Item | Description | E-mail | Store & Send Link | Print E-mail | | E-mail Notification | Job Completion Notice |
|---|---|---|---|---|---|---|---|
| | | | | via SMTP | via POP3 | | |
| TCP/IP address | The TCP/IP address for the machine.<br>E-mails are sent via TCP/IP. | O | O | O | O | O | O |
| Subnet mask | Required when the network is divided into subnets. | △ | △ | △ | △ | △ | △ |
| Gateway address | Required when multiple networks are connected by gateways. | △ | △ | △ | △ | △ | △ |
| Machine e-mail address | Set the E-mail address of the machine. | O | O | O | O | O | O |
| DNS server address | Required when the addresses for a POP3 server and a SMTP server are set with a domain name format instead of their IP addresses. You can also acquire this from DHCP. | △ | △ | △ | △ | △ | △ |
| SMTP server address | The machine uses a SMTP server to send e-mails. The SMTP server can also be used for receiving e-mails. | O | O | O | △ | O | O |
| SMTP AUTH login name and password | If an SMTP server requires authentication, specify an authentication user name. Also specify a password as required. | △ | △ | △ | △ | △ | △ |
| POP3 server | Set the POP3 server address. | △ | △ | - | O | △ | △ |
| POP login name and password | Set the POP receiving user name.<br>Also specify a password as required. | △ | △ | - | O | △ | △ |
| S/MIME settings | Set the S/MIME information. | △ | X | △ | △ | X | X |

O :Required to be set
△ :Set as required
- :required to be set
X :Not supported

**Note** • To transmit e-mails encrypted by S/MIME or with digital signatures attached, a certificate must be ready in advance. For more information on a certificate, refer to "Configuration of E-mail Encryption/Digital Signature" (P.375).

### ■ Configuration on the Server

**Note** • Information on server settings, contact your System Administrator.

| Item | Description | E-mail | Store & Send Link | Print E-mail | | E-mail Notification | Job Completion Notice |
|---|---|---|---|---|---|---|---|
| | | | | via SMTP | via POP3 | | |
| Machine e-mail address | When using the E-mail feature on the machine, an e-mail account of the machine must be registered on a mail server in advance. | O | O | O | O | O | O |
| Host name | Set the host name and domain name of the machine along with the TCP/IP address for the machine on the DNS server. | △ | △ | △ | △ | △ | △ |
| Domain name | | △ | △ | △ | △ | △ | △ |

O :Required to be set
△ :Set as required

# Installation Procedures

This section describes how to configure the machine to use the E-mail service.

The following shows the reference section for each procedure.

Step 1 Enabling Port and Setting up TCP/IP ..... 322
Step 2 Configuring E-mail Environment ..... 323
CentreWare Internet Services Setting Items ..... 324

## Step 1 Enabling Port and Setting up TCP/IP

Enable the E-mail port, and set the IP address.

**Note**
- You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "CentreWare Internet Services Settings" (P.291).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable ports to use for the E-mail feature.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [Send E-mail], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close].
7) Select [Enabled] on the [Receive E-mail - Port Status] screen under [Receive E-mail] as described above to use the Print E-mail feature.
8) Select [Enabled] on the [E-mail Notification - Port Status] screen under [E-mail Notification Service] as described above to use the E-mail Notification or the Job Completion Notification feature.
9) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set an IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. If an IP address cannot be obtained automatically or manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

***5*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***6*** Print a configuration report to confirm that the ports are enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 2 Configuring E-mail Environment

The following describes the configuration procedures to use the E-mail features.

You can configure the settings using CentreWare Internet Services. For the items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.324).

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Set up the e-mail address of the machine.

1) Select [Connectivity & Network Setup].
2) Select [Machine's E-mail Address/Host Name], and then configure items.

For information on how to set an e-mail address, refer to "Machine's E-mail Address/Host Name" (P.193).

3) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set up the protocol to receive e-mails.

1) Select [Connectivity & Network Setup].
2) Select [Other Settings].
3) Select [Protocol to Receive E-mail], and then select [Change Settings].
4) Select either [SMTP] or [POP3] as appropriate for your environment.
5) Select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***4*** Configure the server settings for receiving e-mails.

1) Select [Connectivity & Network Setup].
2) Select [Outgoing/Incoming E-mail Settings].

■ **When [SMTP] is selected for [Protocol to Receive E-mail]**

Configure the SMTP server.

For information on how to configure the SMTP server, refer to "SMTP Server Settings" (P.200).

■ **When [POP3] is selected for [Protocol to Receive E-mail]**

Configure the POP3 server.

For information on how to configure the POP3 server, refer to "POP3 Server Settings" (P.200).

5 Configure the server settings for sending e-mails.

**Note** • To send e-mails, SMTP server settings are required. When [POP3] is selected in [Protocol to Receive E-mail], configure the SMTP server in [Outgoing/Incoming E-mail Settings].

For information on how to configure the e-mail transmission, refer to "SMTP Server Settings" (P.200).

6 Select [Close] repeatedly until the [Tools] screen is displayed.

7 Configure the domain filtering for receiving e-mails as necessary.

For information on how to configure the domain filtering, refer to "Domain Filtering" (P.211).

8 Set up the S/MIME information.

1) Select [Connectivity & Network Setup].
2) Select [Security Settings].
3) Select [S/MIME Settings], and then set the items.

For more information on how to configure S/MIME, refer to "S/MIME Settings" (P.207).

9 Select [Close] repeatedly until the [Tools] screen is displayed.

10 Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

11 Print a configuration report to confirm that the settings of each item.

For information on how to print a configuration report, refer to "Print Reports" (P.105).



## CentreWare Internet Services Setting Items

You can configure the following setting items using CentreWare Internet Services:

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

- Machine's E-mail Address
- Setup E-mail Notification
- Port Settings
- SMTP Server Settings
- POP3 Server Settings
- Receiving Protocol
- Domain Filtering
- S/MIME Settings

# 9 Scanner Environment Settings

This chapter describes the settings to use the Scan services on the machine.

**Note** • This feature does not appear for some models. For such models, an optional component is required. For more information, contact our Customer Support Center.


- Scan Service Overview ..... 326
- Configuration of Store to Folder ..... 328
- Configuration of Scan to PC ..... 330
- Configuration of Store to USB ..... 333
- Configuration of Network Scanning (Job Template Scanning) ..... 334
- Configuration of Scan to Home ..... 336
- Configuration of Job Flow Sheets ..... 340
- Configuration of Store & Send Link ..... 342
- Configuration of Store to WSD ..... 344

# Scan Service Overview

The machine is equipped with scanning capabilities.

The following scan services are available on the machine:

- E-mail
- Store to Folder
- Scan to PC
- Network Scanning (Job Template Scanning)
- Store to USB
- Job Flow Scanning
- Scan to Home
- Store & Send Link
- Store to WSD

### ■ E-mail

Scanned documents can be converted into electronic data and sent via e-mail.

For information on e-mail environment settings, refer to "E-mail Environment Settings" (P.317).

### ■ Store to Folder

You can scan a document you want to retrieve as electronic data, and store it in a folder. The document can be accessed later from any computers on the network.

For information on the Store to Folder service, refer to "Configuration of Store to Folder" (P.328).

### ■ Scan to PC

When the machine is connected to a network, you can store the scanned data on network computers using the FTP or SMB protocol.

You can scan a document you want to retrieve as electronic data, and store it on a computer connected to a network.

For information on the Scan to PC service, refer to "Configuration of Scan to PC" (P.330).

### ■ Network Scanning (Job Template Scanning)

A file defined with scanning conditions is called a job template. You can apply a job template to a document scanned on the machine. The scanned document is saved on the machine as a file and sent automatically to the computer (server).

For information on how to configure a job template, refer to "Configuration of Network Scanning (Job Template Scanning)" (P.334).

### ■ Store to USB

You can store the scanned data to a USB memory device when you insert the USB 2.0 memory device into the USB memory slot of the control panel of the machine. You can also select data stored in the USB memory device and print the data directly.

For information on the Store to USB service settings, refer to "Configuration of Store to USB" (P.333).

### ■ Job Flow Scanning

Using EasyOperator, you can scan a document with a job flow process from a computer on a network.

For information on how to configure job flow scanning, refer to "Configuration of Job Flow Sheets" (P.340).

### ■ Scan to Home

When you select [Login to Remote Accounts] for [Login Type] and select [Enabled] for [Scan to Home] using CentreWare Internet Services, you can forward scanned documents to different recipients that corresponds to the login user.

For more information on configuration procedures, refer to "Configuration of Scan to Home" (P.336).

### ■ Store & Send Link

The machine can convert a scanned document into electronic form, store it in the hard disk, and send a URL that indicates the location of the document.

**Note** • To use the Store & Send Link feature, you need to configure the authentication settings.

For information on the Store & Send Link service, refer to "Configuration of Store & Send Link" (P.342).

### ■ Store to WSD

You can remotely scan the document and store the image by operating on the computer. Using the control panel of the machine, you can also select a destination computer on a network to store the scanned data.

For more information on the Store to WSD service, refer to "Configuration of Store to WSD" (P.344).

# Configuration of Store to Folder

This section describes configuration procedures to use the Store to Folder service on the machine.

The following shows the reference section for each procedure.

Step 1 Enabling Port and Setting up TCP/IP ..... 328
Step 2 Registering a Folder ..... 329
Step 3 Configuring a Computer ..... 329

## Step 1 Enabling Port and Setting up TCP/IP

Using Network Scanner Utility3 (Scan Driver and Stored File Manager 3), which supports WebDAV protocol, and EasyOperator (application) provided by Fuji Xerox, enable the SNMP, SOAP, and WebDAV ports and set up an IP address.

EasyOperator allows you to retrieve files stored in a folder of the machine without a scan driver.

**Note**
- You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the ports.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [SNMP], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close].
7) Select [SOAP], and then select [Change Settings].
8) Select [Port Status], and then select [Change Settings].
9) Select [Enabled], and then select [Save].
10) Select [Close].
11) Select [WebDAV], and then select [Change Settings].
12) Select [Port Status], and then select [Change Settings].
13) Select [Enabled], and then select [Save].
14) Select [Close] repeatedly until the [Tools] screen is displayed.

3 Set an IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. If an IP address cannot be obtained automatically or manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

4 Select [Close] repeatedly until the [Tools] screen is displayed.

5 Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

6 Print a configuration report to confirm that the WebDAV port is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 2 Registering a Folder

Register a folder to store scanned data.

For information on registering a folder, refer to "Create Folder" (P.250).

## Step 3 Configuring a Computer

To use Network Scanner Utility3, install Network Scanner Utility3 on a computer.

Network Scanner Utility3 is included in the Driver CD Kit provided with the machine. For information on how to install the Network Scanner Utility3, refer to the manual contained in the Driver CD Kit.

For information on the usage of the Network Scanner Utility3, refer to "11 Computer Operations" in the User Guide.

To use EasyOperator, install EasyOperator on a computer.

EasyOperator is included in the Driver CD Kit provided with the machine.

# Configuration of Scan to PC

This section describes how to configure the machine to use the Scan to PC service.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 330
Step 2 Enabling Port and Setting up TCP/IP ..... 331
Step 3 Configuration on the Computer ..... 332

## Step 1 Preparations

The following items are required to use the Scan to PC feature.

### ■ Using FTP

To transfer data via FTP, one of the following FTP servers and an account to the FTP server (login name and password) are required.

- Microsoft Windows Server 2003, Microsoft Windows Server 2008, Microsoft Windows Server 2008 R2, Microsoft Windows Vista, or Microsoft Windows 7

  FTP service of Microsoft Internet Information Server 6.0

- Microsoft Windows 2000 Server, Microsoft Windows 2000 Professional, or Microsoft Windows XP

  FTP service of Microsoft Internet Information Server 3.0 or later

- Mac OS X

  FTP service of Mac OS X 10.2.X/10.3.8/10.3.9/10.4.2/10.4.4/10.4.8/10.4.9/10.4.10/10.4.11/10.5/10.6/10.7

- Novell NetWare

  FTP service of NetWare 5.11 or 5.12

For information on how to configure the FTP service, refer to the manual provided with the software.

For information on how to configure the settings on Mac OS X v10.7 Lion, consult the official website of Apple Inc.

### ■ Using SMB

To transfer data via SMB, your computer must run on one of the following operating systems that includes folder sharing.

For Mac OS X, a shared user account is required on the Mac OS X.

- Microsoft Windows 2000
- Microsoft Windows Server 2003
- Microsoft Windows Server 2008
- Microsoft Windows Server 2008 R2
- Microsoft Windows XP
- Microsoft Windows Vista
- Microsoft Windows 7
- Mac OS X 10.2.x/10.3.x/10.4.x/10.5/10.6

**Note** • If you use Mac OS X v10.7 Lion, contact our Customer Support Center and ask if your operating system is supported.

## Step 2 Enabling Port and Setting up TCP/IP

To use Scan to PC service, enable the port (SMB or FTP client) and set the IP address. The following describes the configuration procedures on the machine.

**Note** • You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the port.

■ **Using SMB**

Enable the SMB port.
1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [SMB], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

■ **Using FTP**

Enable the FTP port.
1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [FTP Client], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set the IP address of the machine and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. If an IP address cannot be obtained automatically or manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

***5*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

*6* Print a configuration report to confirm that the SMB port or FTP client is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 3 Configuration on the Computer

Create a destination folder on your computer.

- Using FTP

  Create a destination folder on the server where you login and set write rights on the folder.

- Using SMB

  Create a shared folder on your computer and set the write rights on the shared folder.

**Note** • To use SMB on Mac OS X, set [Windows Sharing] to [On] in the [Service] tab of [Sharing] under [System Preferences].

# Configuration of Store to USB

This section describes how to configure the machine to use the Store to USB service.

The following shows the reference section for each procedure.

Step 1 Available USB Memory Devices ..... 333
CentreWare Internet Services Setting Items ..... 333

## Step 1 Available USB Memory Devices

The Store to USB service allows you to directly save the scanned data to a USB 2.0 memory device which is inserted into the USB memory slot on the control panel of the machine.

- USB 2.0 memory devices
- USB memory devices with the capacity of up to 128 GB
- USB memory devices that support FAT12, FAT16, FAT32, or VFAT (long name)

**Note** • USB memory devices that are encrypted with software cannot be used with the machine.

## CentreWare Internet Services Setting Items

You can enable/disable the Store to USB service using CentreWare Internet Services. When you disable the service, the Store to USB button is not displayed on the [Services Home] screen, and you cannot use the service.

The Store to USB service is set to enabled by factory default.

For details on the setting items, click [Help] at the upper right corner of CentreWare Internet Services screen to see help.

**Important** • the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

# Configuration of Network Scanning (Job Template Scanning)

This section describes how to configure the machine to use the Network Scanning service.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 334
Step 2 Enabling Ports and Setting up TCP/IP ..... 334
Step 3 Configuring the SNMP Port ..... 335
Step 4 Configuration on the Computer ..... 335

## Step 1 Preparations

The following environment is required to use the Network Scanning feature on the machine.

- To use SMB forwarding, your computer must run on one of the following operating systems that supports folder sharing.
  - Microsoft Windows NT 4.0
  - Microsoft Windows 2000
  - Microsoft Windows Server 2003
  - Microsoft Windows Server 2008
  - Microsoft Windows Server 2008 R2
  - Microsoft Windows XP
  - Microsoft Windows Vista
  - Microsoft Windows 7

## Step 2 Enabling Ports and Setting up TCP/IP

To use Network Scanning service, enable the port and set the IP address. The following describes the configuration procedures on the machine.

**Note** • You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the SNMP port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [SNMP], and then select [Change Settings].
4) Select [Port Status], and select [Change Settings].

5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Port Settings] screen is displayed.
7) Enable [Port Status] on the [SMB] or [FTP Client] screen, and enable [Internet Services (HTTP)] on the [Internet Services - Port Status] screen as described above.
8) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set the IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the addresses. If an IP address cannot be obtained automatically or manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

***5*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***6*** Print a configuration report to confirm that the ports are enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 3 Configuring the SNMP Port

Configure the transport protocol for the SNMP port using CentreWare Internet Services.

***1*** Start CentreWare Internet Services.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

***2*** Configure the transport protocol for the SNMP port.

1) Click the [Properties] tab.
2) Click [Connectivity].
3) Click [Port Settings].
4) Select the [UDP] check box under [SNMP].
5) Click [Apply].
6) Enter the system administrator's user ID and passcode into [User Name] and [Password] respectively, and click [OK].

**Note** • The default user ID is "11111" and the default passcode is "x-admin".

7) The right frame of the web browser changes to the machine reboot display.
8) Click [Reboot Machine]. The machine reboots and the settings are enabled.

## Step 4 Configuration on the Computer

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

# Configuration of Scan to Home

This section describes how to configure the machine to use the Scan to Home service.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 336
Step 2 Enabling SMB Port and Setting up TCP/IP ..... 336
Step 3 Configuring Remote Authentication ..... 337
Step 4 Configuring Scan to Home ..... 338
Step 5 Configuration on the Computer ..... 339

## Step 1 Preparations

The Scan to Home service allows you to forward scanned files to recipients which vary depending on a login user when [Login to Remote Accounts] is selected for [Login Type].

The following items are required to use the Scan to Home feature.

### ■ Remote Authentication System

To use the Scan to Home service, a remote authentication system is required.

For more information about a remote authentication system, refer to "Authentication System" (P.201).

### ■ Destination Computer

The following operation system must be installed on a destination computer.

For Mac OS X, a sharing user account is required on the Mac OS X.

- Microsoft Windows 2000
- Microsoft Windows Server 2003
- Microsoft Windows Server 2008
- Microsoft Windows Server 2008 R2
- Microsoft Windows XP
- Microsoft Windows Vista
- Microsoft Windows 7
- Mac OS X 10.2.x/10.3.x/10.4.x/10.5/10.6

**Note** • If you use Mac OS X v10.7 Lion, contact our Customer Support Center and ask if your operating system is supported.

## Step 2 Enabling SMB Port and Setting up TCP/IP

To use Scan to Home service, enable the SMB port and set the IP address. The following describes the configuration procedures on the machine.

**Note** • You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the SMB port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [SMB], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set the IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. If an IP address cannot be obtained automatically or manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

***5*** Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***6*** Print a configuration report to confirm that the SMB port is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 3 Configuring Remote Authentication

Set the Login Type to Login to Remote Accounts.

**Note**
- You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Set the Login Type to Login to Remote Accounts.

1) Select [Authentication/Security Settings].

2) Select [Authentication].
3) Select [Login Type].
4) Select [Login to Remote Accounts], and then select [Save].
5) Select [Close].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Configure a remote authentication server to use.

You can select from [Kerberos (Windows 2000)], [Kerberos (Solaris)], [LDAP], and [SMB].

For information on the remote authentication server settings, refer to "Authentication System Setup" (P.201).

1) Select [System Settings].
2) Select [Connectivity & Network Setup].
3) Select [Remote Authentication/Directory Service].
4) Select [Authentication System Setup].
5) Select [Authentication System], and then select [Change Settings].
6) Select the remote authentication system to use, and then select [Save].
7) Select [Close].

**Note**
- If an authentication setting is not configured on a remote authentication server selected, configure settings under [Remote Authentication/Directory Service]. For [LDAP Server/Directory Service Settings], a configuration is required regardless of a remote authentication server selected.
  - For information on Kerberos Server Settings, refer to "Kerberos Server Settings" (P.201).
  - For information on LDAP Server/Directory Service Settings, refer to "LDAP Server/Directory Service Settings" (P.202).
  - For information on SMB Server Settings, refer to "SMB Server Settings" (P.206).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

***5*** Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***6*** Print a configuration report to confirm that the SMB port is enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 4 Configuring Scan to Home

Configure the Scan to Home settings using CentreWare Internet Services.

***1*** Start CentreWare Internet Services.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

***2*** Enable the feature of the Scan to Home.

1) Click the [Properties] tab.
2) Click [Services].
3) Click [Scan to Home].
4) Click [General].
5) Select the [Enabled] check box under [Status].
6) Click [Friendly Name] and enter the description of the job template with up to 127 single-byte characters as necessary, and the click [Apply].

7) Click [Template Name] and set the job template name with up to 24 single-byte characters as necessary, and then click [Apply].
The name specified here is displayed in the list of the job templates for the Scan to Home service. When a job template name is not specified, the template name is displayed as "@S2HOME".

***3*** Specify the storage location (directory).

■ **Transferring files to a directory specified by a login user using LDAP (directory service) information**

1) Select the [LDAP Query] check box for [Determine Home Directory].

The folder specified for [homeDirectory] of a user profile which is registered with the LDAP (user information management) server is defined as a storage location by default.

**Note**
- To change a storage location, select [LDAP Mapping for Home Directory] and enter the property name, which a storage location is set, in [Home], and then select [Apply].
- The [LDAP User Mappings] screen which is displayed by clicking [LDAP Mapping for Home Directory] is identical with the screen displayed by selecting [Properties] > [Connectivity] > [Protocols] > [LDAP] > [LDAP User Mappings].

■ **Transferring files to a directory specified by CentreWare Internet Services without using LDAP (directory service) information**

1) Select the [No LDAP Query] check box for [Determine Home Directory].
2) Enter a directory name of the storage location in [Network Home Path].
Specify a folder name using UNC format (for example: \\server name\shared name\folder name\folder name2).

***4*** To specify a subdirectory under the directory specified in step 3, perform the following procedure:

1) Select [Automatically Create Subdirectory] check box, and enter a subdirectory name in [Subdirectory] to specify a subdirectory.
2) When you use the login user name as a subdirectory name, select [Append User Name to Path] check box.
3) If you select the [Append User Name to Path] check box, selecting the [Automatically Create "User Name" directory if one does not exist] check box creates a subdirectory with a user name automatically when the user name directory does not exist.
4) When you select both the [Automatically Create Subdirectory] and [Append User Name to Path] check boxes, specify which directory, subdirectory or subdirectory with a user name, becomes a subdirectory in [Directory Structure].

***5*** To add a domain name to a login user name, select the [Enabled] check box for [Use Domain for Authenticated User].

***6*** Click [Apply].

## Step 5 Configuration on the Computer

Create a destination folder on your computer and set it as a shared folder, and then set write rights on the folder.

**Note**
- To use SMB on Mac OS X, set [Windows Sharing] to [On] in the [Service] tab of [Sharing] under [System Preferences].

# Configuration of Job Flow Sheets

This section describes how to configure the machine to use the Job Flow Sheets service.

The following shows the reference section for each procedure.

Step 1 Enabling Ports and Setting up TCP/IP ..... 340
Step 2 Configuring the SNMP Port ..... 341
Step 3 Configuration on the Computer ..... 341

## Step 1 Enabling Ports and Setting up TCP/IP

To use the Job Flow Sheets service, enable the SOAP, SNMP, and Internet Services (HTTP) ports, and set an IP address and other addresses. The following describes the configuration procedures on the machine.

**Note** • You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "CentreWare Internet Services Settings" (P.291).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the SOAP port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [SOAP], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Port Settings] screen is displayed.

***3*** Enable the SNMP port.

1) Select [SNMP], and then select [Change Settings].
2) Select [Port Status], and select [Change Settings].
3) Select [Enabled], and then select [Save].
4) Select [Close] repeatedly until the [Port Settings] screen is displayed.
5) Enable the Internet Services (HTTP) port as described above.
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***4*** Set an IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the addresses. If an IP address cannot be obtained automatically or manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

5 Select [Close] repeatedly until the [Tools] screen is displayed.

6 Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

7 Print a configuration report to confirm that the SOAP, SNMP, and Internet Services (HTTP) ports are enabled and that TCP/IP is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 2 Configuring the SNMP Port

Configure the transport protocol for the SNMP port using CentreWare Internet Services.

1 Start CentreWare Internet Services.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

2 Configure the transport protocol for the SNMP port.

1) Click the [Properties] tab.
2) Click [Connectivity].
3) Click [Port Settings].
4) Select the [UDP] check box under [SNMP].
5) Click [Apply].
6) The right frame of the web browser changes to the machine reboot display.
7) Click [Reboot Machine]. The machine reboots and the settings are enabled.

## Step 3 Configuration on the Computer

Create job flows using EasyOperator or Device Setup Tool to use for scanned documents.

**Note** • EasyOperator is included in the Driver CD Kit. Device Setup Tool is included in ApeosWare Management Suite, which you can download from our web site. For information on creating job flows, refer to the manual contained in the Driver CD Kit.

# Configuration of Store & Send Link

This section describes how to configure the machine to use the Store & Send Link service.

**Important** • When a user is notified by e-mail of a URL location to retrieve scanned data, the e-mail message is not encrypted, which enables the user to retrieve the data without password authentication. Thus, in case the URL information is leaked on the e-mail transmission path due to any attempts, other parties to whom the information is leaked cannot be tracked. To prevent others from viewing scanned data, select [PDF] or [DocuWorks] in [File Format] and set a password in [PDF Security] or [DocuWorks Security] before scanning a document.

**Note** • To use the Store & Send Link service, the configuration for authentication is required.

The following shows the reference section for each procedure.

Step 1 Configuring E-mail ..... 342
Step 2 Enabling Authentication ..... 342
Step 3 Other Settings ..... 342
CentreWare Internet Services Setting Items ..... 342

## Step 1 Configuring E-mail

Configure the e-mail settings on the machine.

For information on how to configure e-mail settings, refer to "E-mail Environment Settings" (P.317).

## Step 2 Enabling Authentication

Configure the authentication settings on the machine.

For information on how to configure e-mail settings, refer to "Configuration for Authentication" (P.408).

## Step 3 Other Settings

Configure the following items if necessary.

- URL File Expiration
- Generation of URL Link
- Store & Send Link - Maximum File Size
- Print Login Name on PDF Files

For information about URL File Expiration, refer to "URL File Expiration" (P.225).
For information about Generation of URL Link, refer to "Generation of URL Link" (P.225).
For information about Store & Send Link - Maximum File Size, refer to "Store & Send Link - Maximum File Size" (P.225).
For information about Print Login Name on PDF Files, refer to "Print Login Name on PDF Files" (P.225).

## CentreWare Internet Services Setting Items

You can configure the following items using CentreWare Internet Services:

- URL File Expiration
- Generation of URL Link
- Maximum File Size
- Subject

- Message
- Attachment
- Device Information
- Signature

For details on the setting items, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

# Configuration of Store to WSD

This section describes how to configure the machine to use the Store to WSD service.

The following shows the reference section for each procedure.

Step 1 Preparations ..... 334
Step 2 Enabling Ports and Setting up TCP/IP ..... 334
Step 3 Configuring the SNMP Port ..... 335
Step 4 Configuration on the Computer ..... 335

## Step 1 Preparations

The following environment is required to use the Store to WSD feature on the machine.

- One of the following operating systems must be installed on a destination computer.
  - Microsoft Windows 7
  - Microsoft Windows Vista Service Pack 2

## Step 2 Enabling Port

To use Store to WSD service, enable the WSD Scan port. The following describes the configuration procedures on the machine.

**Note** • You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the SNMP port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [WSD], and then select [Change Settings].
4) Select [WSD Scan - Port Status], and select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Select [Close] repeatedly until the [Tools] screen is displayed.

***4*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

5 Print a configuration report to confirm that the WSD port is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 4 Configuration on the Computer

Confirm that the machine name is displayed on the computer as a network device.

On Windows Vista, click [Control Panel] > [Hardware and Sound] > [Scanners and Cameras] (On Windows 7, click [Control Panel] > [Devices and Printers]), and confirm the machine name on the screen.

It is convenient to configure the settings such as the color format, file type, and resolution in [Scan Profiles] and save them in advance.

For more information, refer to Windows Help.

**Note**

- On Windows Vista Home Basic or Home Premium, scanning with [Windows Fax and Scan] is not supported. Use other features such as [From scanner or camera] in [Microsoft Paint] for scanning.

# 10 Using the IP Fax (SIP)

This chapter describes the settings to use the services via IP fax (SIP) on the machine.

**Note** • This feature does not appear for some models. An optional component is required. For more information, contact our Customer Support Center.


- IP Fax (SIP) Overview....348
- Preparations....348
- Installation Procedures....349

# IP Fax (SIP) Overview

IP Fax (SIP) is a fax feature that sends and receives document data via the IP network of a corporation (the intranet). The IP Fax (SIP) complies with ITU-T Resolution T.38. Because the IP Fax (SIP) uses the existing IP network for communications, you can reduce the telecommunications costs compared to a conventional G3 fax machine that uses the public telephone line.

**Note**
- The communication between IP Fax (SIP) machines is available only between the machines that support the IP Fax (SIP) feature (except for Able 1407). An "IP Fax (SIP) machine" in this guide refers to the IP Fax (SIP) -enabled machine manufactured by Fuji Xerox.

# Preparations

This section describes the prerequisites to use the IP fax (SIP) feature on the machine.

## System Requirements for the Machine

- IP Fax (SIP) Kit
- The machine is connected to the intranet.

The following equipment can also be used but not required.

- SIP server
- VoIP gateway (to communicate with a G3 fax machine connected to the public phone line)

**Note**
- For more information about the SIP server and VoIP gateway, contact your system administrator.
- Another optional component is required to use the IP Fax (SIP) feature for some models.

## Settings by System Configuration

To use the IP Fax (SIP) feature, configure the following settings.

| Settings / Systems | Enabling port and setting up TCP/IP | Configuring SIP User ID | Configuring Fax environment | Configuring SIP server | Registering VoIP gateway |
|---|---|---|---|---|---|
| IP Fax (SIP) machine only | O | O | O | X | X |
| SIP server only | O | O | O | O | X |
| VoIP gateway only | O | O | O | X | O |
| SIP server and VoIP gateway | O | O | O | O | O |

O :Required
X :Not supported

# Installation Procedures

This section describes the configuration procedures to use the IP Fax (SIP) feature on the machine.

The following shows the reference section for each procedure.

Step 1 Enabling Port and Setting up TCP/IP ..... 349
Step 2 Configuring the SIP User Name ..... 350
Step 3 Configuring Fax Environment ..... 350
Step 4 Configuring the SIP Server ..... 351
Step 5 Registering the VoIP Gateway ..... 352

## Step 1 Enabling Port and Setting up TCP/IP

To use the IP Fax (SIP) feature on the machine, enable the port and set the IP addresses. The following shows the configuration procedures on the machine.

You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable the SIP port.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [SIP], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set an IP address and the other addresses.

Skip this step if an IP address is already set.

If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. If an IP address cannot be obtained automatically, or if manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

***5*** Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***6*** Print a configuration report to confirm that the port is enabled and TCP/IP setting is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 2 Configuring the SIP User Name

This section describes the configuration procedures of the SIP user name on the machine.

You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Set SIP User ID.

1) Select [Connectivity & Network Setup].
2) Select [SIP settings].
3) Select [SIP User ID (Sign-in Name)], and then select [Change Settings].
4) Enter a SIP User ID and select [Save].

For information on SIP User ID, refer to "SIP Settings" (P.196).

***3*** Select [Close] repeatedly until the [Tools] screen is displayed.

***4*** Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***5*** Print a configuration report to confirm that the port is enabled and TCP/IP setting is set up correctly.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 3 Configuring Fax Environment

This section describes the configuration procedures of the Fax feature related to IP fax (SIP) on the machine.

You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

**2** Set items displayed on the [Fax/Internet Fax] screen.

1) Select [Fax Service Settings].
2) Select [Screen Defaults].
3) Configure the required settings, and then select [Save].

For information on the screen default, refer to "Screen Defaults" (P.226).

**3** Set the default settings of the Fax feature.

1) Select [Fax Defaults].
2) Configure the required settings, and then select [Save].

For information on the fax default, refer to "Fax Defaults" (P.227).

**4** Configure the settings related to fax control.

1) Select [Fax Control].
2) Configure the required settings, and then select [Save].

For information on the fax control, refer to "Fax Control" (P.228).

**5** Configure the local terminal information.

1) Select [Local Terminal Information].
2) Configure the required settings, and then select [Save].

For information on the local terminal information, refer to "Local Terminal Information" (P.234).

**6** Select [Close] repeatedly until the [Tools] screen is displayed

**7** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

**8** Print a configuration report to confirm the fax settings.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 4 Configuring the SIP Server

This section describes the configuration procedures to set the IP address, login user name, and password of a SIP server to go through.

Configure a SIP server when you use the IP fax (SIP) feature via a SIP server.

You can configure the settings using CentreWare Internet Services. For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

**1** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

**2** Configure SIP server settings.

For more information on SIP server settings, refer to "SIP Settings" (P.196).

1) Select [Connectivity & Network Setup].
2) Select [SIP settings].

3) Select [Enable SIP Server], and then select [Change Settings].
4) Select [Yes], and then select [Save].
5) Select [SIP Server IP Address Resolution], and then select [Change Settings].
6) Select a method to obtain SIP server IP address, and then select [Save].
7) Select [SIP Proxy Server Setup], and then select [Change Settings].
8) Set the IP address, port number, login user name, login password, and server type.

**Note** • The settings of port number, login user name, login password, and server type are required even when [SIP Server IP Address Resolution] is set to [DHCP] or [DHCP v6].

9) Select [SIP Registrar Server Setup], and then select [Change Settings].
10) Set the IP address, port number, login user name, login password, and server type.

**Note** • The settings of the port number, login user name, login password, and server type are required even when [SIP Server IP Address Resolution] is set to [DHCP] or [DHCP v6].

11) Select [Close].

***3*** Select [Close] repeatedly until the [Tools] screen is displayed.

***4*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***5*** Print a configuration report to confirm the SIP server settings.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 5 Registering the VoIP Gateway

This section describes the configuration procedures to register a VoIP gateway to go through.

Configure a VoIP gateway when you transmit IP fax (SIP) to a G3 fax machine that is connected to the public phone line.

You can configure up to 50 VoIP gateways.

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Configure VoIP gateway settings.

For more information on VoIP gateway registration, refer to "VoIP Gateway Setup" (P.199).

1) Select [Connectivity & Network Setup].
2) Select [SIP settings].
3) Select [VoIP Gateway Setup], and then select [Change Settings].
4) Select a VoIP gateway to register, and then select [Change Settings].
5) Select [ID], and then select [Change Settings].
6) Specify an ID, and then select [Save].

7) Select [Gateway Address], and then select [Change Settings].
8) Specify the IP address of the VoIP gateway, and then select [Save].
9) Select [Save].
10) To configure another VoIP gateway, repeat steps 4 to 9.
11) Select [Close].

***3*** Select [Close] repeatedly until the [Tools] screen is displayed.

***4*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***5*** Print a configuration report to confirm that the VoIP gateway settings.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

# 11 Using the Internet Fax Service

This chapter describes the settings to use services via the Internet Fax on the machine.

**Note**
- This feature does not appear for some models. For such models, an optional component is required to use this feature. For more information, contact our Customer Support Center.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- Preparations ..... 356
- Installation Procedures ..... 358

# Internet Fax Overview

When the Fax feature is available, the machine can transmit scanned data as an e-mail attachment using a corporate intranet or the Internet, unlike conventional fax machines which use public phone lines. Also, the machine can receive e-mails transmitted from the Internet Fax-enabled machines.

For details of the Internet Fax, refer to "4 Fax" > "About Internet Fax" in the User Guide.

# Preparations

This section describes the prerequisites to use the Internet Fax on the machine.

## System Requirements for the Machine

- The machine is connected to a network via TCP/IP.
- The environment is prepared for e-mail transmissions.

## E-Mail Environment

To use the Internet Fax feature, configure the following settings for your e-mail environment.

| Item | Description | Internet Fax | | Internet Fax Direct* |
|---|---|---|---|---|
| | | via SMTP | via POP3 | via SMTP |
| TCP/IP address | TCP/IP address of the machine.<br>TCP/IP protocol is used for e-mail transmissions. | O | O | O |
| Subnet mask | The subnet mask is required when a network is divided into subnetworks. | △ | △ | △ |
| Gateway address | The gateway address is required when multiple networks are used via gateways. | △ | △ | △ |
| The machine's e-mail address | Set the machine's e-mail address. | O | O | O |
| DNS server address | The address is required when the address of POP3 or SMTP server is set not using an IP address but a domain name. The address can be obtained by DHCP. | △ | △ | △ |
| SMTP server address | SMTP server is used for sending e-mails from the machine. The SMTP server can also be used for receiving e-mails. | O | O | X |
| SMTP AUTH login name, password | When a certification-required SMTP server is used, configure a user name for authentication. Set the password as necessary. | △ | △ | X |
| POP3 server | Set the POP3 server address. | X | O | X |
| POP user name | Configure the user name for POP receiving. Set the password as necessary. | X | O | X |
| S/MIME settings | Configure S/MIME. | △ | △ | △ |

O :Required
△ :Set as required
X :Not supported

* : When you use the Internet Fax Direct feature, set [Tools] > [Fax Service Settings] > [Internet Fax Control] > [Internet Fax Path] to [Direct (P2P)].

**Note**
- To transmit e-mails encrypted by S/MIME or with digital signatures attached, a certificate must be ready in advance. For more information on a certificate, refer to "Configuration of E-mail Encryption/Digital Signature" (P.375).

# Installation Procedures

This section describes the configuration procedures to use the Internet Fax feature on the machine.

The following shows the reference section for each procedure.

Step 1 Enabling Port and Setting up TCP/IP ..... 358
Step 2 Configuring E-mail Environment ..... 359
Step 3 Testing the Internet Fax ..... 360

## Step 1 Enabling Port and Setting up TCP/IP

To use the Internet Fax feature on the machine, enable the ports for the E-mail feature, and set the IP address. The following shows the configuration procedures on the machine.

**Note** • You can configure the settings using CentreWare Internet Services.

For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

***1*** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

***2*** Enable ports to use for the E-mail feature.

1) Select [Connectivity & Network Setup].
2) Select [Port Settings].
3) Select [Receive E-mail], and then select [Change Settings].
4) Select [Port Status], and then select [Change Settings].
5) Select [Enabled], and then select [Save].
6) Select [Close].
7) Select [Enabled] for [Send E-mail - Port Status] on the [Send E-mail] screen as described above.
8) Select [Close] repeatedly until the [Tools] screen is displayed.

***3*** Set an IP address and the other addresses.
Skip this step if an IP address is already set.
If DHCP or BOOTP is available in your environment, configure the method for obtaining the address. If an IP address cannot be obtained automatically, or if manual configuration is preferred, confirm the settings of an IP address, a subnet mask, and a gateway address.

For information on how to set an IP address, refer to "Protocol Settings" (P.190).

***4*** Select [Close] repeatedly until the [Tools] screen is displayed.

**5** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

**6** Print a configuration report to confirm that the ports are enabled and that TCP/IP is set up correctly.

For information on how to print a Configuration Report, refer to "Print Reports" (P.105).

## Step 2 Configuring E-mail Environment

The following describes the configuration procedures to use the E-mail features.

You can configure the settings using CentreWare Internet Services. For the items that can be configured using CentreWare Internet Services, refer to "CentreWare Internet Services Setting Items" (P.324).

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

**1** Display the [Tools] screen.

1) Press the <Log In/Out> button.
2) Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3) Select [Tools] on the [Services Home] screen.

**2** Set up the e-mail address of the machine.

1) Select [Connectivity & Network Setup].
2) Select [Machine's E-mail Address/Host Name], and then set the items.

For information on how to set an e-mail address, refer to "Machine's E-mail Address/Host Name" (P.193).

3) Select [Close] repeatedly until the [Tools] screen is displayed.

**3** Set up the protocol to receive e-mails.

1) Select [Connectivity & Network Setup].
2) Select [Other Settings].
3) Select [Protocol to Receive E-mail], and then select [Change Settings].
4) Select either [SMTP] or [POP3] as appropriate for your environment.
5) Select [Save].
6) Select [Close] repeatedly until the [Tools] screen is displayed.

**4** Configure the server settings for receiving e-mails.

1) Select [Connectivity & Network Setup].
2) Select [Outgoing/Incoming E-mail Settings].

■ **When [SMTP] is selected for [Protocol to Receive E-mail]**

Configure the SMTP server.

For information on how to configure the SMTP server, refer to "SMTP Server Settings" (P.200).

3) Select [Close].

■ **When [POP3] is selected for [Protocol to Receive E-mail]**

Configure the POP3 server.

For information on how to configure the POP3 server, refer to "POP3 Server Settings" (P.200).

***5*** Configure the server settings for sending e-mails.

**Note** • To send e-mails, SMTP server settings are required. When [POP3] is selected in [Protocol to Receive E-mail], configure the SMTP server in [Outgoing/Incoming E-mail Settings].

For information on how to configure the e-mail transmission, refer to "SMTP Server Settings" (P.200).

***6*** Configure the domain filtering for sending and receiving e-mails as necessary.

For information on how to configure the domain filtering, refer to "Domain Filtering" (P.211).

***7*** Set up the S/MIME information.

1) Select [Connectivity & Network Setup].

2) Select [Security Settings].

3) Select [S/MIME Settings], and then set the items.

For more information on how to configure S/MIME settings, refer to "S/MIME Settings" (P.207).

***8*** Select [Close] repeatedly until the [Tools] screen is displayed.

***9*** Select [Close].

**Note** • Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.

***10*** After the machine reboots, you can print a configuration report to confirm that the settings of each item.

For information on how to print a configuration report, refer to "Print Reports" (P.105).

## Step 3 Testing the Internet Fax

Test the Internet fax transmission from the machine.

***1*** Select [Fax/Internet Fax] on the [Services Home] screen to display the [Fax/Internet Fax] screen.

***2*** Select [Internet Fax] from the drop-down menu.

***3*** Enter a destination address.

***4*** Press the <Start> button to transmit.

***5*** Check whether the computer received the e-mail.

If the computer cannot receive the e-mail, refer to "Problem Solving" (P.419).

# 12 Using the Server Fax Service

This chapter describes how to use the Server Fax service on the machine.

**Note**
- This feature does not appear for some models. For such models, an optional component is required. For more information, contact our Customer Support Center.


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- Preparations ..... 362
- Installation Procedure ..... 363

# Server Fax Overview

If your machine supports the Scan feature, installing the Server Fax Kit (optional) allows you to use the Fax feature of a Server Fax server.

With the Server Fax feature, you can transfer image data received by the machine to the Server Fax server, and can transfer image data received by the Server Fax server to the machine via a network based on the settings you made.

**Important** • While the Fax Server feature is enabled, the Fax feature is detected as "not installed" even if the Fax Kit 2 is installed on the machine. During that time, therefore, fax transmission and reception are disabled and printed reports show that the machine does not support the Fax feature.

**Note** • The Server Fax service cannot be used together with a fax, the IP Fax, or the Internet Fax service.

# Preparations

The following describes the conditions necessary to use Server Fax on the machine.

## System Requirements for the Machine

- Scanner Kit needs to be installed on the machine.
- Server Fax Kit needs to be installed on the machine.
- The machine needs to be connected to a network and needs to support TCP/IP communication.
- Server Fax server needs to be installed on the network.

# Installation Procedure

## Installation Overview

This section describes the configuration procedure to use the Server Fax feature on the machine.

The following shows the reference section for the configuration procedures.

Step 1 Fax Settings .....363
Step 2 Setting the Server Fax Feature.....364

## Step 1 Fax Settings

If your machine does not support the Fax feature and supports the Server Fax feature only, the Server Fax feature will be enabled automatically.
If your machine supports both the Fax and Server Fax features, manually switch to the Server Fax feature.

The following procedure explains how to switch to the Server Fax feature on CentreWare Internet Services.

For information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

**Note** • You can switch to the Server Fax feature also on the machine's Control Panel.

1. Start a web browser.
2. Enter the machine's IP address or the Internet address into the address box on the browser, and then click [Enter].
   - Example of the IP address entry

     http://192.168.1.1/ (IPv4)

     http://[2001:DB8::1234] (IPv6)
   - Example of the Internet address entry

     http://myhost.example.com/

   **Note** • When specifying a port number, add ":" and the port number to the end of the Internet address.
3. Click the [Properties] tab.
4. Click [Services] to display the items in the folder.
5. Click [Fax] to display the items in the folder.
6. Click [Fax Settings].
7. On the [Fax Settings] screen, select [Scan to Fax Server] under [Fax Service].
8. Set the values as the machine's setting values.
   1) Click [Apply].
   2) The right frame on the web browser will change to the machine reboot display.
   3) Click [Reboot Machine]. The machine reboots and the setting values are enabled.

## Step 2 Setting the Server Fax Feature

Enable the Server Fax feature and set the file destination. The following procedure explains how to set them on CentreWare Internet Services.

For more information on how to use CentreWare Internet Services, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).

1. Start a web browser.
2. Enter the machine's IP address or the Internet address to the address box on the browser, and then click [Enter].
   - Example of the IP address entry

     http://192.168.1.1/ (IPv4)

     http://[2001:DB8::1234] (IPv6)
   - Example of the Internet address entry

     http://myhost.example.com/

   **Note** • When specifying a port number, add ":" and the port number to the end of the Internet address.
3. Click the [Properties] tab.
4. Click [Services] to display the items in the folder.
5. Click [Fax] to display the items in the folder.
6. On the tree in the left frame, click [Defaults].
7. On the [General] screen, set [Scan File Transfer Report] under [Fax].
8. Set Optional Information under [Job Log].
9. Click [Apply] to enable the settings.
10. On the tree in the left frame, click [Fax Repository Setup].
11. On the [Fax Repository Setup] screen, set the items under [Fax Destination].
12. Select a protocol.

    **Note** • When [FTP] or [SMB] is selected, faxes will be sent to the destination specified under [File Destination]. When [SMTP] is selected, faxes will be sent to the destination specified in the E-mail settings.

    For more information on this setting, refer to the help of CentreWare Internet Services.

    **Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

**■ When [FTP] or [SMB] is selected**

Set the repository server that is to be used for the Server Fax feature.

- IP Address/Host Name and Port (If the port number is blank, the default port number (FTP:21 or SMB:139) will be used.)
- Share (SMB only)
- Document Path
- Login Name
- Password
- Retype Password

■ **When [SMTP] is selected**

The SMTP server settings are the same as the E-mail settings.

For more information on the SMTP server settings, refer to "Step 2 Configuring E-mail Environment" (P.323).

The following settings are additionally required for the SMTP server.

- Domain Name
- E-mail Address Display Format

***13*** Click [Apply] to enable the settings.

For more information on how to print a configuration report, refer to "Print Reports" (P.105).

# 13 Encryption and Digital Signature Settings

This chapter describes the settings to use the Encryption feature and the Digital Signature feature on the machine.


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- Configuration of HTTP Communications Encryption....370
- Configuration of Encryption using IPSec....372
- Configuration of E-mail Encryption/Digital Signature....375
- Configuration of PDF/DocuWorks/XPS Signature....379

# Encryption and Digital Signature Overview

## Types of Certificate

To use the Encryption feature and the Signature feature on the machine, a certificate is required.

The following two types of device certificate can be used on the machine:

- A self-signed certificate created by CentreWare Internet Services (The valid period can be specified from1 to 9999 days.)
- A certificate issued by another CA

When you use a certificate issued by another CA, import the certificate using CentreWare Internet Services.

For more information on how to import a certificate, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

| Types of Certificate / Types of Encryption | Self-Signed Certificate | Certificate Issued by Another CA |
|---|---|---|
| Encrypting HTTP communications from a client to the machine (SSL/TLS server) | O | O |
| Encrypting HTTP communications from the machine to a remote server (SSL/TLS client) | X | O |
| Encryption using IPSec | X | △* |
| E-mail encryption/digital signature | X | O |
| PDF signature/DocuWorks signature/ XPS signature | O | O |

O :Available
X :Not available
△ :Set as necessary

* : Available when [IKE Authentication Method] is set to [Authenticate by Digital Signature].



## Encryption Features for Communication

The data sent between the machine and computers on a network can be encrypted.

### ■ Encrypting HTTP Communications from a Client to the Machine (SSL/TLS Server)

The SOAP, Internet Services (HTTP), IPP, and WebDAV ports use the HTTP server of the machine.

The SSL/TLS protocol is used to encrypt the HTTP communications between a client and the machine.

To encrypt communications, either one of the device certificate is required: a self-signed certificate or a certificate issued by another CA.

**Note** • By encrypting HTTP communications, communications data can be encrypted at the time of printing using IPP (SSL encrypted communications).

### ■ Encrypting HTTP Communications from the Machine to a Remote Server (SSL/TLS Client)

The SSL/TLS protocol is used to encrypt the HTTP communications between a remote server and the machine.

No certificate is required in general. However, if a remote server is set to require an SSL client certificate, you can use a certificate issued by another CA.

When verification of server certificates is enabled to verify the SSL/TLS certificate of a remote server, import a certificate issued by another CA using CentreWare Internet Services to the machine.

### ■ Encryption using IPSec

IPSec enables IP-level (not application-level) encrypted communications with remote devices.

A device certificate is not required for encrypted communications using preshared key.

If you select [Authenticate by Digital Signature] for [IKE Authentication Method], a certificate issued by another CA is required.

If you select [Authenticate by Preshared Key], no device certificate is required.

**Note** • If the certificate for IPSec contains the V3 extension (keyUsage), "digitalSignature" bit must be asserted.

For information on IKE authentication methods, refer to "IKE Authentication Method" (P.209).

To verify the certificate of the remote device, you must register a root certificate created by a CA of the remote device on the machine.

**Note** • To use certificates that have already been created, import them with CentreWare Internet Services.

### ■ E-mail Encryption/Digital Signature

S/MIME is used for E-mail Encryption/Digital Signature. To use S/MIME on the machine, S/MIME certificates are used.

For an S/MIME certificate, you can use a certificate issued by another CA.

The personal certificates or the device certificates of destinations are required for encrypted communications.

**Note** • If the certificate for S/MIME contains an "email Address" or a V3 extension (keyUsage), "digitalSignature" and "keyEncipherment" must be asserted. If the certificate contains v3 extension (extendedKeyUsage), "emailProtection" must be set.

## Encryption and Digital-Signature Features for Scan Files

### ■ Encrypting PDF/DocuWorks Documents

PDF and DocuWorks documents can be encrypted and protected by a password.

For information on how to encrypt PDF and DocuWorks documents, refer to "5 Scan" > "E-mail" > "File Format (Selecting a File Format for Output Data)" in the User Guide.

### ■ Encryption/Digital Signature of PDF/DocuWorks/XPS Documents

Digital signatures are available for PDF, DocuWorks, and XPS documents.

To use the digital signature, a device certificate is required.

For a device certificate, you can use any registered certificates.

# Configuration of HTTP Communications Encryption

This section describes the settings to encrypt HTTP communications.

The following shows the reference section for each procedure.

Step1 Configuration on the Machine ..... 370
Step2 Configuration on the Computer ..... 371

## Installation Overview

To encrypt HTTP communications, configure the machine and your computer as follows:

### ■ Configuration on the Machine

Configure a certificate on the machine. No certificate is registered on the machine by factory default. Configure certificates for a SSL server as needed.

- Configuring certificates by CentreWare Internet Services

  The following two methods are available depending on types of certificates.

  - Create a self-signed certificate on the machine, and then enable HTTPS.
  - Enable HTTPS, and then import a certificate issued by another CA to the machine.

### ■ Configuration on the Computer

To encrypt communications between a web browser and the machine, enter an address beginning with "https" instead of "http" into the address box of the web browser.

## Step1 Configuration on the Machine

Configure a certificate on the machine. No certificate is registered to the machine by factory default. Configure certificates for a SSL server as needed.

The following describes the procedures to set up a certificate by CentreWare Internet Services.

### Setting up a Certificate using CentreWare Internet Services

To set up a certificate using CentreWare Internet Services, you can have the machine create a self-signed certificate for SSL server or can import any registered certificate (issued by another CA) to the machine.

For information on how to import a registered certificate, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important**
- To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.
- When performing SSL communications using a self-signed certificate created on the machine, or a certificate with which the character code is encoded with UTF-8, you will not be able to connect with SSL if Internet Explorer is used with Mac OS X v10.2 or later.
  This is because the operating system cannot recognize the character code (UTF-8) of the certificate. Use Netscape 7 in the above-mentioned OS environments.
- You cannot import a certificate that has been already registered in [Local Device] or [Others]. Delete the registered certificate before importing.

***1*** Start CentreWare Internet Services.

For more information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

*2* Create a certificate.

1) Click the [Properties] tab.
2) Click [Security] to display the items in the folder.
3) Click [Machine Digital Certificate Management].
4) Click the [Create New Self Signed Certificate] button.
5) Set [Digital Signature Algorithm] as necessary.
6) Set [Public Key Size] as necessary.
7) Set [Issuer] as necessary.
8) Set [Days of Validity] as necessary.
9) Click [Apply].
10) Refresh the web browser.

*3* Set up the SSL/TLS information.

1) Click [Security] to display the items in the folder.
2) Click [SSL/TLS Settings].
3) Select the [Enabled] check box for [HTTP - SSL/TLS Communication].
4) Set up [HTTP - SSL/TLS Communication Port Number].

**Note** • Do not use the numbers of any other ports.

5) Click [Apply].
6) When the right frame of the web browser changes to the machine reboot display, click [Reboot Machine]. The machine reboots and the settings are enabled.

## Step2 Configuration on the Computer

To encrypt communications between a web browser and the machine, enter an address beginning with "https" instead of "http" in the address box of the web browser.

- Example of IP address entry:

  https://192.168.1.1/ (IPv4)
  https://[2001:DB8::1234]/ (IPv6)

- Example of Internet address entry:

  https://myhost.example.com/

When encrypting IPP communications (Internet printing) and adding a printer from [Add Printer], enter an address beginning with "https" instead of "http" as the URL of the printer.

For information on the settings, refer to the manual contained in the Driver CD Kit.

# Configuration of Encryption using IPSec

This section describes how to encrypt communications using IPSec.

When the IKE authentication method is set to [Authenticate by Preshared Key], skip step 1 "Import and Configuration of a Certificate" and go to step 2 "Configuration on the Machine (Configuration of IPSec)".

For IKE authentication methods, refer to "IKE Authentication Method" (P.209).

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Step2 Configuration on the Machine (Configuration of IPSec) ..... 373
Step3 Configuration on the Computer ..... 374

## Installation Overview

To encrypt communications using IPSec, configure the machine and your computer as follows:

### ■ Configuration on the Machine

When [IKE Authentication Method] is set to [Authenticate by Digital Signature], configure a certificate on the machine. No certificate is registered on the machine by factory default. After importing a certificate, configure IPSec.

Configure the following setting to set up a certificate on the machine.

- Configuring certificates by CentreWare Internet Services
  - Enable HTTPS, and then import a certificate issued by another CA to the machine.

**Note** • If a certificate to be imported as an IPSec certificate contains V3 extension "KeyUsage", "digitalSignature" bit must be asserted.

### ■ Configuration on the Computer

Configure the following settings to encrypt communications between a computer and the machine.

- Create an IP security policy
- Assign the IP security policy

## Step1 Import and Configuration of a Certificate

The following describes configuration procedures to set up a certificate with CentreWare Internet Services.

To configure a certificate using CentreWare Internet Services, configure the encryption settings for HTTP communications, and then import a certificate issued by another CA to use it for the IPSec certificate.

**Note** • You cannot use a self-signed certificate created with CentreWare Internet Services for IPSec.
• The machine supports to import RSA public key (up to 4096 bit).

For details on how to configure the encryption settings for HTTP communication, refer to "Configuration of HTTP Communications Encryption" (P.370).

***1*** Start CentreWare Internet Services.

For more information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

**2** Import a certificate.

**Important** • You cannot import a certificate that has been already registered in [Local Device] or [Others]. Delete the registered certificate before importing.
• If the certificate to be imported contains the V3 extension "keyUsage", "digitalSignature" must be asserted.

1) Click the [Properties] tab.
2) Click [Security] to display the items in the folder.
3) Click [Machine Digital Certificate Management].
4) Click [Upload Signed Certificate].
5) Enter [Password].
6) Enter [Retype Password].
7) Enter a file name you want to import or select a file to import from a dialog box displayed by clicking the [Browse] button, and then select [Save].
8) Click the [Import] button.
9) Refresh the web browser.

**3** Configure the certificate.

1) Click [Security].
2) Click [Certificate Management].
3) Select [Local Device] for [Category] and [IPSec] for [Certificate Purpose], and then click the [Display the list] button.
4) Select the check box next to the certificate to set.
5) Click the [Certificate Details] button.
6) Click the [Use this certificate] button.
7) Click [Reboot Machine]. The machine reboots and the settings are enabled.

## Step2 Configuration on the Machine (Configuration of IPSec)

The following describes configuration procedures to set up IPSec on the machine.

**1** Press the <Log In/Out> button.

**2** Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

**3** Select [Tools] on the [Services Home] screen.

**4** Select [Connectivity & Network Setup].

**5** Select [Security Settings].

**6** Select [IPSec Settings].

**7** Configure the required settings.

For details on the settings, refer to "IPSec Settings" (P.209).

*8* Select [Close].

## Step3 Configuration on the Computer

The following describes the configuration procedures on the computer.

Configure the following settings on the computer.

- Create an IP security policy
- Assign the IP security policy

For details on the settings, refer to the help of the computer.

# Configuration of E-mail Encryption/Digital Signature

This section describes how to encrypt e-mails and how to attach a digital signature to e-mails.

The following shows the reference section for each procedure.

Step1 Configuration on the Machine.....375
Step2 Configuration on Sender and Recipient.....377

## Installation Overview

To encrypt e-mails and attach a digital signature, configure the machine and your computer as follows:

**Note**
- To encrypt e-mails and attach a digital signature to e-mails between the machine and a computer, a personal or device certificate for S/MIME of a recipient and the device certificate of the machine must be set on the computer. Configure the following settings to the certificates:
  - "e-mail address"
  - If the certificate contains V3 extension "keyUsage", "digitalSignature" and "keyEncipherment" must be asserted.
  - If the certificate contains V3 extension "extendedKeyUsage", "emailProtection" must be set.
- Up to 100 addresses can be encrypted with S/MIME.

### ■ Configuration on the Machine

Configure a certificate on the machine. No certificate is registered on the machine by factory default.

Configure the following settings to set up a certificate on the machine.

- Configuring certificates by CentreWare Internet Services
  - Set up HTTPS communications encryption settings, and then configure a certificate on the machine.

### ■ Configuration on Sender and Recipient

To transmit e-mails encrypted by S/MIME and with digital signatures attached, register the required certificate on equipment of a sender and a recipient.

## Step1 Configuration on the Machine

This section describes configuration procedures to set up a certificate with CentreWare Internet Services.

**Note**
- You cannot use a self-signed certificate created with CentreWare Internet Services for S/MIME.
- The machine supports to import RSA public key (up to 4096 bit).

### Setting up a Certificate using CentreWare Internet Services

To configure a certificate using CentreWare Internet Services, configure the encryption settings for HTTP communications, and then import a certificate issued by another CA to enable S/MIME.

For details on how to configure the encryption settings for HTTP communication, refer to "Configuration of HTTP Communications Encryption" (P.370).

*1* Start CentreWare Internet Services.

For more information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

***2*** Import a certificate.

**Important** • You cannot import a certificate that has been already registered in [Local Device] or [Others]. Delete the registered certificate before importing.

1) Click the [Properties] tab.
2) Confirm that [Machine's E-mail Address] of [Description] is entered.
3) Click [Security] to display the items in the folder.
4) Click [Machine Digital Certificate Management].
5) Click [Upload Signed Certificate].
6) Enter [Password].
7) Enter [Retype Password].
8) Enter a file name you want to import or select a file to import from a dialog box displayed by clicking the [Browse] button, and then select [Save].
9) Click the [Import] button.
10) Refresh the web browser.

***3*** Configure the certificate.

1) Click [Security] to display the items in the folder.
2) Click [Certificate Management].
3) Select [Local Device] for [Category] and [S/MIME] for [Certificate Purpose], and then click the [Display the list] button.
4) Select the check box next to the certificate to set.
5) Click the [Certificate Details] button.
6) Click the [Use this certificate] button.
7) Click [Reboot Machine]. The machine reboots and the settings are enabled.
8) Refresh the web browser.

***4*** Enable [S/MIME Communication].

1) Click [Security] to display the items in the folder.
2) Click [SSL/TLS Settings].
3) Select the [Enabled] check box for [S/MIME Communication].
4) Click [Apply].
5) When the right frame on the web browser changes to the machine reboot display, click [Reboot Machine]. The machine reboots and the settings are enabled.

***5*** Configure the settings for S/MIME.

1) Refresh the web browser.
2) Click [Security] to display the items in the folder.
3) Click [S/MIME Settings] and configure the following settings.

- Message Digest Algorithm

  Select a message digest algorithm from [SHA1], [MD5], or [SHA256].

- Message Encryption Method

  Select an encryption method for the e-mail message body from [3DES], [RC2-40], [RC2-64], [RC2-128], [AES-128], [AES-192], or [AES-256] when you send an e-mail from the machine.

- Certificate Auto Store

  Select whether to automatically store the certificate when receiving an e-mail with an S/MIME certificate attached from an address registered in the Address Book.

- Receive Untrusted E-mail

  Set whether or not to receive untrusted e-mails such as an e-mail with expired certificate attached or no certificate attached.

- Digital Signature - Outgoing E-mail

  Set whether to always attach a digital signature to an outgoing e-mail or to select a digital signature when sending e-mail from the machine.

- Receive Untrusted Internet Fax

  Set whether or not to receive untrusted Internet faxes such as an e-mail with expired certificate attached or with no certificate attached.

- Digital Signature - Outgoing Internet Fax

  Set whether to always attach a digital signature to an outgoing Internet fax or to select a digital signature when sending Internet fax from the machine.

4) Click [Apply].

## Step2 Configuration on Sender and Recipient

To transmit e-mails encrypted or with digital signature attached, a device certificate and a personal certificate must be registered with each machine.

This section describes certificates required for destination and source, and registration procedures.

**Note** • Required certificates include a trusted root certificate authority and all intermediate certificate authorities that are registered in the path of a certificate to use.

### ■ When source is the machine and destination is a computer

The personal certificate of a computer must be registered on the machine. And the device certificate of the machine must be registered on a computer.

To register the computer's personal certificate, use CentreWare Internet Services.

There are two methods to register the machine's device certificate to a computer:

- Send an e-mail with S/MIME digital signature to a computer from the machine and register it to the certificate store of an e-mail application in the computer.

  To send an e-mail with S/MIME digital signature, select [Always add signature] or [Select during send] for [Digital Signature - Outgoing E-mail] under [Tools] > [System Settings] > [Connectivity & Network Setup] > [Security Settings] > [S/MIME Settings] in advance.

- Export the certificate of the machine to a computer using CentreWare Internet Services, and register it to the certificate store of an e-mail application in the computer.

For information on how to import and export a certificate using CentreWare Internet Services, refer to "Importing/exporting a certificate using CentreWare Internet Services" (P.378) or the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to register a certificate to the certificate store of an e-mail application, refer to the manual of your e-mail software.

### ■ When source is the machine and destination is another multifunctional machine

The device certificate of another multifunctional machine must be registered on the machine. And the device certificate of the machine must be registered on another multifunctional machine.

To register the device certificate of another multifunctional machine, start CentreWare Internet Services of another multifunctional machine from a computer and export the certificate to the computer. And then, start CentreWare Internet Services of the machine and import the certificate.

To register the device certificate of the machine, perform the same procedure as described above.

For information on how to import and export a certificate using CentreWare Internet Services, refer to "Importing/exporting a certificate using CentreWare Internet Services" (P.378) or the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

### ■ When source is a computer and destination is the machine

The device certificate of the machine must be registered on a computer. The registration of the personal certificate of a computer to the machine is not required.

There are two methods to register the machine's device certificate to a computer:

- Send an e-mail with S/MIME digital signature to a computer from the machine (or another multifunctional machine) and register it to the certificate store of an e-mail application in the computer.

  To send an e-mail with S/MIME digital signature, select [Always add signature] or [Select during send] for [Digital Signature - Outgoing E-mail] under [Tools] > [System Settings] > [Connectivity & Network Setup] > [Security Settings] > [S/MIME Settings] in advance.

- Export the certificate of the machine to a computer using CentreWare Internet Services, and register it to the certificate store of an e-mail application in the computer.

For information on how to import and export a certificate using CentreWare Internet Services, refer to "Importing/exporting a certificate using CentreWare Internet Services" (P.378) or the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

For information on how to register a certificate to the certificate store of e-mail software, refer to the manual of your e-mail application.

The following e-mail applications can transmit e-mails between the machine and a computer:

- Windows XP: MS Outlook Express 6
- Windows Vista, Windows 7: MS Outlook 2007, MS Outlook 2010
- Mac OS X: Mail 2.1.1

### ■ Importing/exporting a certificate using CentreWare Internet Services

To import a certificate, select the [Properties] tab > [Security] > [Machine Digital Certificate Management] > [Upload Signed Certificate].

To export a certificate, select the [Properties] tab > [Security] > [Certificate Management] and select a certificate to export, and then click the [Export this certificate] button.

For information on how to import and export a certificate, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

# Configuration of PDF/DocuWorks/XPS Signature

This section describes the settings to send scanned documents in PDF, DocuWorks, or XPS format with a digital signature (PDF, DocuWorks, or XPS) attached.

The following shows the reference section for each procedure.

Step1 Configuration on the Machine.....379
Step2 Configuration on the Computer.....381

## Installation Overview

To attach a signature (PDF signature/DocuWorks signature/XPS signature) to a scanned document to send as a PDF, DocuWorks, or XPS document, configure the machine and your computer as follows:

### ■ Configuration on the Machine

Configure a certificate on the machine. No certificate is registered on the machine by factory default.

Configure the following setting to set up a certificate on the machine.

- Configuring certificates by CentreWare Internet Services
  - Set up HTTPS communications encryption settings, and then configure a certificate on the machine.

### ■ Configuration on the Computer

- Sending a DocuWorks security certificate file from the machine to a computer

  You must register a personal certificate as the destination on the machine, and then register the certificate on the Address Book. When you register a personal certificate on the machine, include the root certificate in the personal certificate.

For information on how to import a certificate, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

- Sending a PDF, DocuWorks, or XPS signature file from the machine to a computer

  Make sure that the root certificate of the certificate to be used for the scan file signature of the machine is registered on the recipient's computer.

## Step1 Configuration on the Machine

This section describes configuration procedures to set up a certificate with CentreWare Internet Services.

### Setting up a Certificate using CentreWare Internet Services

To configure a certificate using CentreWare Internet Services, configure the encryption settings for HTTP communications, and then import a certificate issued by another CA to enable S/MIME.

For details on how to configure the encryption settings for HTTP communication, refer to "Configuration of HTTP Communications Encryption" (P.370).

*1* Start CentreWare Internet Services.

For more information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

***2*** Import a certificate.

**Important** • You cannot import a certificate that has been already registered in [Local Device] or [Others]. Delete the registered certificate before importing.

1) Click the [Properties] tab.
2) Click [Security] to display the items in the folder.
3) Click [Machine Digital Certificate Management].
4) Click [Upload Signed Certificate].
5) Enter [Password].
6) Enter [Retype Password]
7) Enter a file name you want to import or select a file to import from a dialog box displayed by clicking the [Browse] button, and then select [Save].
8) Click the [Import] button.
9) Refresh the web browser.

***3*** Configure the certificate.

1) Click [Security].
2) Click [Certificate Management].
3) Select [Local Device] for [Category] and [Scan File] for [Certificate Purpose], and then click the [Display the list] button.
4) Select the check box next to the certificate to set.
5) Click the [Certificate Details] button.
6) Click the [Use this certificate] button.
7) Click [Reboot Machine]. The machine reboots and the settings are enabled.

***4*** Configure the settings for PDF Signature/DocuWorks Signature/XPS Signature.

1) Refresh the web browser.
2) Click [Security] to display the items in the folder.
3) Click [PDF/DocuWorks/XPS Security Settings] and configure the following settings.

- DocuWorks Signature

  Select the setting for DocuWorks signature from [Do not add signature], [Always add signature], or [Select during send].

- PDF Signature

  Select the setting for PDF signature from [Do not add signature], [Always add visible signature], [Always add invisible signature], or [Select during send].

- PDF Signature Hash Algorithm

  Select the setting for PDF Signature Hash Algorithm from [SHA-1] or [SHA-256].

- XPS Signature

  Select the setting for XPS signature from [Do not add signature], [Always add signature], or [Select during send].

4) Click [Apply].

## Step2 Configuration on the Computer

- Sending a DocuWorks security certificate file from the machine to a computer

  You must register a personal certificate as the destination on the machine, and then register the certificate on the Address Book. When you register a personal certificate on the machine, include the root certificate in the personal certificate.

For information on how to register (import) a certificate, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

- Sending a PDF, DocuWorks, or XPS signature file from the machine to a computer

  Make sure that the root certificate of the certificate to be used for the scan file signature of the machine is registered on the recipient's computer.

# 14 Authentication and Accounting Features

The machine provides the Authentication feature to restrict the availability of services for each feature and the Accounting feature to manage the use of each feature based on the Login Type selected.

This chapter describes the settings to restrict the availability of services and to manage account usage on the machine.


- Overview of Authentication and Accounting Feature ..... 384
- Authentication ..... 386
- Services Controlled by Authentication ..... 391
- Authentication for Job Flow Sheets and Folders ..... 397
- Jobs Manageable by Account Administration ..... 405
- Configuration for Authentication ..... 408
- Configuration for IC Card Reader (Optional) ..... 413
- Configuration for Account Administration ..... 415
- User Authentication Operations ..... 417

# Overview of Authentication and Accounting Feature

This section overviews the Authentication feature and the Accounting feature.

The following shows the reference section for each feature.

Overview of Authentication Feature ..... 384
Overview of Accounting Feature ..... 385

## Overview of Authentication Feature

### ■ Types of Users

The users include the System Administrator, Login User, Unregistered User, and Local User.

For more information about the feature, refer to "User Types Managed by Authentication Feature" (P.386).

### ■ User Role/Authorization Group

Allows you to assign a user role and an authorization group to each user.

When you assign [System Administrator] in [User Role] to a user, for example, the user has almost the same privileges as the System Administrator.

For more information about the feature, refer to "User Roles and Authorization Groups" (P.386).

### ■ Types of Authentication

The machine supports two authentication types: [Login to Local Accounts] that authenticates users based on the user information registered on the machine, and [Login to Remote Accounts] that authenticates users based on the user information registered on a remote server.

For more information about the feature, refer to "Types of Authentication" (P.387).

**Note** • The available remote servers are LDAP, Kerberos, and SMB servers.

### ■ Access Control

Allows you to prohibit the operation of the control panel buttons.

For more information, refer to "Device Access" (P.281).

Allows you to configure whether to restrict the availability per service such as Copy, Fax, and Scan.

For more information about the feature, refer to "Service Access" (P.281).

Allows you to restrict users from making color copies, or from printing or retrieving files stored in folders per user.

For more information about the feature, refer to "Feature Access" (P.282).

### ■ Account Limit for Each User

- Allows you to restrict access to each service and to set the maximum number of pages allowed for the service per user.

For more information about the feature, refer to "Services Controlled by Authentication" (P.391).

- Allows you restrict creating/editing/using job flow sheets and folders per user.

For more information about the feature, refer to "Authentication for Job Flow Sheets and Folders" (P.397).

## Overview of Accounting Feature

### ■ Accounting Type

The machine supports three types of account administration: Local Accounting, Network Accounting, and Xerox Standard Accounting.

For more information, refer to "Types of Account Administration" (P.389).

### ■ Available Combinations of Login and Accounting Types

You can select the Login and Accounting Types individually, but some combinations are not available.

For more information, refer to "Authentication and Accounting Relationship" (P.390).

# Authentication

This section describes the Authentication feature used with the machine.

User Types Managed by Authentication Feature ..... 386
User Roles and Authorization Groups ..... 386
Types of Authentication ..... 387
Types of Account Administration ..... 389
Authentication and Accounting Relationship ..... 390

## User Types Managed by Authentication Feature

The following describes the types of users that can be managed with the Authentication feature.

User information can be registered on the machine.

### Types of User

Users are classified into the following four types. The Authentication feature restricts operations according to the user type.

**■ System Administrator**

The System Administrator can register and change system settings to adapt to the environment to be used.

A system administrator uses a specific user ID called a system administrator's user ID.

To login as the system administrator, enter the system administrator's user ID in the user ID entry field on the screen.

**■ Login User**

A Login User is a user registered on the machine or a remote server.

To use restricted services, enter the user ID and passcode on the screen.

**Note** • Users who are assigned as [System Administrator] in [User Role] have almost the same privileges as the system administrator. For more information, refer to "User Roles and Authorization Groups" (P.386).

**■ Unregistered User**

Unregistered User is a user not registered on the machine.
An unregistered user cannot use restricted services.

**■ Local User**

A user who does not login to the machine is called a Local User.

## User Roles and Authorization Groups

You can select a user role and an authorization group for each user when registering a user on the machine.

**Important** • When the Login Type is [Login to Local Accounts] and the Accounting Type is [Network Accounting], an authorization group cannot be assigned to a user. Therefore, the features configured for the authorization group, such as the feature to temporarily disable forcible printing, are not available.

### User Roles

The following three user roles are available:

■ **User**

No special authority is given to this user role.

■ **System Administrator**

The same authority as a system administrator is given except for the following operations:

- Operate folders
- Operate job flows sheets
- Change the passcode of the system administrator

■ **Account Administrator**

The following authorities are given:

- Create, delete, change (except for passcode), and view (unavailable depending on some settings) user information
- Create, delete, change, and view accounting
- Change Alternative Name for Account ID or Mask Account ID
- Print an Auditron Report for each user

### Authorization Groups

The following four settings can be configured for each authorization group.

For details on authorization groups, refer to "Create Authorization Groups" (P.282).

■ **Restrict Recipient Selection Method**

Allows you to set whether or not to permit the group members to specify recipients when [Restrict Recipient Selection Method] is set to [Only From Address Book].

For details on the Restrict Recipient Selection Method setting, refer to "Restrict Recipient Selection Method" (P.173).

■ **Restrict User to Edit Address Book**

Allows you to set whether or not to permit the group members to edit the Address Book in the machine when editing the Address Book is prohibited.

For details on the Restrict User to Edit Address Book setting, refer to "Restrict User to Edit Address Book" (P.173).

■ **Allow User to Disable Active Settings**

Allows you to set whether or not to permit the group members to disable active settings, such as Force Watermark and Print Universal Unique ID, and perform a job. This setting enables users belonging to an authorization group to disable active settings from [Tools] on the [Services Home] screen.

For details on the Watermark and UUID settings, refer to "Watermark" (P.160) and "Print Universal Unique ID" (P.164).

For information on how to temporarily disable active settings, refer to "Allow User to Disable Active Settings" (P.287)

## Types of Authentication

The following describes the types of authentication (Login Type) available on the machine.

The following three authentication methods are available.

### User ID Authentication

This authentication method requires users to enter their user IDs and passcodes with the numeric keypad or the touch screen of the machine.

Authentication is performed using user information registered on the machine or a remote server.

The following two types of authentication methods are available according to the registration condition of user information.

### ■ Login to Local Accounts

Login to Local Accounts uses the user information registered on the machine to manage authentication.

A print job directly sent to the machine from a computer can be received on the machine after being authenticated through cross-checking process whereby the authentication information configured on the client's driver with the information registered on the machine.

For information on driver settings, refer to the help of the driver.

### ■ Login to Remote Accounts

Authentication is performed for a remote server. User information is not registered on the machine.

Login to Remote Accounts uses the user information registered on a remote authentication server (LDAP, Kerberos, or SMB server) to perform authentication.

When the access control is enabled and a user is authenticated using remote authentication with Kerberos, LDAP, or SMB authentication system, the user can access services, features, and buttons on the control panel, which are determined based on the access permission information obtained from the LDAP server.

**Important**
- When a user is authenticated by a remote authentication server, the authenticated user can access the services through the control panel based on the permission information obtained from the remote server.
- When you change Login Type to or from [Login to Remote Account], user information, private folders, and Personal Sheets registered on the machine will be deleted.
- When you register user information on a remote authentication server, use up to 32 single-byte characters for a user ID and up to 128 single-byte characters for a password. Note, however, that up to 32 single-byte characters are allowed for an SMB authentication password.
- When the access control is enabled, set [Save remote accounts in this machine] to [Disabled] in [User Details Setup] because the access permission information of the control panel obtained via remote authentication is not saved on the machine. For information on the setting, refer to "Save remote accounts in this machine" (P.285).

**Note**
- The user information used for Login to Remote Accounts can be stored on the machine. For more information, refer to "Save remote accounts in this machine" (P.285) and "Delete Remote Accounts" (P.285).

## Smart Card Authentication

Authentication is performed using the smart card (IC Card Reader (optional)).

For more information on how to perform authentication using the IC Card Reader, refer to "Configuration for IC Card Reader (Optional)" (P.413).

**Note**
- Set whether or not to enable user ID authentication when the smart card reader is connected. For more information, refer to "When Smart Card Reader is Connected" (P.284).

## Combined Use of Smart Card Authentication and User ID Authentication

Authentication is performed using the user ID of the card pre-registered on the machine or the remote server.

**Note**
- The user ID of the card for IC Card Reader has already been registered in the card.
- When remote authentication is used, the registration of the user ID on the machine is not required.

## Types of Account Administration

The following describes the types of account administration (Accounting Type) available on the machine.

**Note** • Some Accounting Types may be grayed out and not selectable depending on the Login Type selected. For more information, refer to "Authentication and Accounting Relationship" (P.390).

The Account Administration feature is classified into the following four types:

### ■ Local Accounting

Local Accounting performs account administration on the machine.

In Local Accounting, account administration is performed using the login users' information registered on the machine. Also, accounting information is counted using various counters automatically created for each user. To print auditron reports for each user, you must be authenticated as the system administrator, a user with the System Administrator user role, or a user with the Account Administrator user role.

For information on the types of jobs that can be monitored with account administration, refer to "Jobs Manageable by Account Administration" (P.405).

For information on how to print reports, refer to "Print Reports" (P.105).

### ■ Network Accounting

Network Accounting performs account administration using user information managed by a remote service.

In Network Accounting, the remote server collects job data stored on the machine and counts up the numbers of pages processed for each user.

User information managed by the remote service is sent to be registered on the machine. When the user information on the remote service is updated, the updated information must be sent from the remote service to the machine.

Remote services supported by the machine include Device Setup Tool (free software).

### ■ Accounting using Authentication Server

Account administration is performed using a remote authentication server.

In this accounting, the remote server collects job data stored on the machine and counts up the numbers of pages processed for each user.

The authentication server manages the user's authorization information and obtains accounting information from a remote server.

### ■ Xerox Standard Accounting

Account administration is performed using the user information and account information registered on the machine. Also, accounting information is counted using various counters automatically created for each user. Auditron reports are created in CSV format using CentreWare Internet Services.

For information on driver settings, refer to the help of the driver.

For information on the user information settings, account information settings, and how to create a report, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

• When setting the user information or account information for another machine, we recommend that you use the Cloning feature of CentreWare Internet Services.

## Authentication and Accounting Relationship

You can individually select Login and Accounting Types, and can combine them as described in the following table.

| | | Accounting Types | | | | |
|---|---|---|---|---|---|---|
| | | **Accounting Disabled** | **Local Accounting** | **Network Accounting** | **Authenti-cation Server** | **Xerox Standard Accounting** |
| Login Types | No Login Required | O*1 | X | O | X | O |
| | Login to Local Accounts | X | O*1 | O | X | O |
| | Login to Remote Accounts | O*2 | X | X | X | X |

O :Available
X :Not available

*1 :Default
*2 :When [Login Type] is [Login to Remote Accounts], [Accounting Type] is automatically set to [Accounting Disabled]. Accounting, however, can be performed with ApeosWare Accounting Service.

# Services Controlled by Authentication

This section describes the features that are controlled by the Authentication feature.

The restricted features vary depending on how the machine is used.

For information on the folder and job flow sheet restrictions when the Authentication feature is enabled, refer to "Authentication for Job Flow Sheets and Folders" (P.397).

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Services Restricted by User ID Authentication ..... 391
Services Restricted by the Combined Use of Smart Card Authentication and User ID Authentication ..... 394

## Overview

The services can be controlled as follows.

Some restrictions can be set for each user, and other restrictions can be set for the machine as a whole.

For information on the restrictions that can be set for each user, refer to "Service Access" (P.271), and for information on the restrictions that can be set for the machine as a whole, refer to "Service Access" (P.281).

## Services Restricted by User ID Authentication

For User ID Authentication, the services restricted by authentication and account administration differ depending on the combination of the Authentication and Accounting modes.

### When [Login Type] is [Login to Local Accounts] and [Accounting Type] is [Local Accounting]

The following services are controlled.

| Services | Authentication*1 | Restrictions per user | | Per-user Usage Count |
|---|---|---|---|---|
| | User ID | Feature restrictions*2 | Account Limit*3 | |
| Copy | O | O | O | O |
| Print | O | O | O | O |
| Charge Print, Private Charge Print | O | O | O | O |
| Scan | O | O | O | O |
| Fax, Internet Fax | O | O | - | O |
| Direct Fax | O | | - | O |
| Report/List | - | - | - | - |

O : Available
- : Not available

*1 : This column shows whether authentication is required for each service. "O" indicates that authentication is required.
*2 : You can select features available for each user. For more information, refer to "Service Access" (P.271).
*3 : This feature stops machine operation when the number of pages specified in the account limit is processed. For more information, refer to "Service Access" (P.271).

### When [Login Type] is [Login to Local Accounts] and [Accounting Type] is [Network Accounting]

The following services are controlled.

For features supported by ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately), refer to the manuals provided with the software.

| Services | Authentication*1 | Restrictions per user | | Per-user Usage Count |
|---|---|---|---|---|
| | User ID | Feature restrictions*2 | Account Limit*3 | |
| Copy | O | O | - | - |
| Print | O | O | - | - |
| Charge Print, Private Charge Print | O | O | - | - |
| Scan | O | O | - | - |
| Fax, Internet Fax | O | O | - | - |
| Direct Fax | O | | - | - |
| Report/List | - | - | - | - |

O : Available
- : Not available

*1 : This column shows whether authentication is required for each service. "O" indicates that authentication is required.
*2 : You can select features available for each user. The settings can be configured with the remote service.
*3 : This feature stops machine operation when the number of pages specified in the account limit is processed. The settings can be configured with the remote service.

### When [Login Type] is [Login to Remote Accounts]

When the remote authentication is used, the account administration information can be managed with ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately).

For information on ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately), refer to the manuals provided with the software.

The following services are controlled.

| Services | Authentication*1 | Restrictions per user | | Per-user Usage Count |
|---|---|---|---|---|
| | User ID | Feature restrictions | Account Limit | |
| Copy | O | O | - | - |
| Print | O*2 | O | - | - |
| Charge Print, Private Charge Print | O | O | - | - |
| Scan | O | O | - | - |
| Fax, Internet Fax | O | O | - | - |
| Direct Fax | -*3 | - | - | - |
| Report/List | - | - | - | - |

O :Available
- :Not available

*1 : This column shows whether authentication is required for each service. "O" indicates that authentication is required.
*2 : When [Login Type] is set to [Login to Remote Accounts], the Print feature cannot be restricted. To restrict print operations, use the Charge Print or Private Charge Print feature.
*3 : When [Login Type] is [Login to Remote Accounts], the Direct Fax feature cannot be restricted. To disable the Direct Fax feature, refer to "Direct Fax" (P.233).

**Important** • Note the following conditions when you use ApeosWare Log Management or ApeosWare Accounting Service to perform account administration per user:
• When users are registered in multiple domains, each user ID must be unique.
• Before a user sends a job from a computer (print and fax), the user needs to log in from the computer to the remote server to have the server confirm the user ID.

## When [Login Type] is [Login to Local Accounts] and [Accounting Type] is [Xerox Standard Accounting]

The following services are controlled.

| Services | Authentication*1 | Restrictions per user | | Per-user Usage Count |
|---|---|---|---|---|
| | User ID | Feature restrictions*2 | Account Limit*3 | |
| Copy | O | O | O | O |
| Print | O | O | O | O |
| Charge Print, Private Charge Print | O | O | O | O |
| Scan | O | O | O | O |
| Fax, Internet Fax | O | O | O | O |
| Direct Fax | O | | O | O |
| Report/List | - | - | - | - |

O :Available
- :Not available

*1 : This column shows whether authentication is required for each service. "O" indicates that authentication is required.
*2 : You can select features available for each user. For more information, refer to the help of CentreWare Internet Services.
*3 : This feature stops machine operation when the number of pages specified in the account limit is processed. For more information, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

## Services Restricted by the Combined Use of Smart Card Authentication and User ID Authentication

For the combined use of Smart Card Authentication and User ID Authentication, the services restricted by authentication and account administration differ depending on the combination of the Authentication (local machine authentication or remote authentication) and Accounting modes.

### When [Login Type] is [Login to Local Accounts] and [Accounting Type] is [Local Accounting]

The following services are controlled.

| Services | Authentication*1 | | Restrictions per user | | Per-user Usage Count |
|---|---|---|---|---|---|
| | User ID | Card*2 | Feature restrictions*3 | Account Limit*4 | |
| Copy | -*5 | O | O | O | O |
| Print*4 | O | -*5 | O | O | O |
| Charge Print, Private Charge Print | -*5 | O | O | O | O |
| Scan | -*5 | O | O | O | O |
| Fax, Internet Fax | - | O | O | - | O |
| Direct Fax | O | - | O | - | O |
| Report/List | - | O*6 | - | - | - |

O :Available
- :Not available

*1 : This column shows whether authentication is required for each service. "O" indicates that authentication is required.
*2 : The user ID of the card is checked against the user ID registered on the machine when IC Card Reader (optional) is used.
*3 : You can select features available for each user. For more information, refer to "Service Access" (P.271).
*4 : This feature stops machine operation when the number of pages specified in the account limit is processed. For more information, refer to "Service Access" (P.271).
*5 : Report and List can be printed using a smart card not registered on the machine.
*6 : When you set [When Smart Card Reader is Connected] under [Tools] > [Authentication/Security Settings] > [Authentication] > [User Details Setup] to [Smart Card or Control Panel Login], authentication is required. For more information, refer to "When Smart Card Reader is Connected" (P.284).

## When [Login Type] is [Login to Local Accounts] and [Accounting Type] is [Network Accounting]

The following services are controlled.

For features supported by ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately), refer to the manuals provided with the software.

| Services | Authentication*1 | | Restrictions per user | | Per-user Usage Count |
|---|---|---|---|---|---|
| | User ID | Card*2 | Feature restrictions*3 | Account Limit*4 | |
| Copy | -*5 | O | O | - | - |
| Print | O | -*5 | O | - | - |
| Charge Print, Private Charge Print | -*5 | O | O | - | - |
| Scan | -*5 | O | O | - | - |
| Fax, Internet Fax | - | O | O | - | - |
| Direct Fax | O | - | O | - | - |
| Report/List | - | O*6 | - | - | - |

O :Available
- :Not available

*1 : This column shows whether authentication is required for each service. "O" indicates that authentication is required.
*2 : The user ID of the card is checked against the user ID registered on the machine when IC Card Reader (optional) is used.
*3 : You can select features available for each user. The settings can be configured with the remote service.
*4 : This feature stops machine operation when the number of pages specified in the account limit is processed. The settings can be configured with the remote service.
*5 : Report and List can be printed using a smart card not registered on the machine.
*6 : When you set [When Smart Card Reader is Connected] under [Tools] > [Authentication/Security Settings] > [Authentication] > [User Details Setup] to [Smart Card or Control Panel Login], authentication is required. For more information, refer to "When Smart Card Reader is Connected" (P.284).

For more information on Network Accounting, refer to "Network Accounting" (P.389).

## When [Login Type] is [Login to Remote Accounts]

The account administration information can be managed with ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately).

For information on ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately), refer to the manuals provided with the software.

When IC Card Reader (optional) is used, authentication in combination with remote authentication is available.

The following services are controlled.

**Note**
- Only IC Card Reader (optional) can be connected as an authentication device for remote authentication. Remote authentication cannot be performed with other devices than IC Card Reader.
- To use IC Card Reader (optional) in combination with remote authentication, an optional component is required. For more information, contact our Customer Support Center.

| Services | Authentication*1 | | Restrictions per user | | Per-user Usage Count |
|---|---|---|---|---|---|
| | User ID | Card | Feature restrictions | Account Limit | |
| Copy | O | O | O | - | - |
| Print | -*2 | O*3 | O | - | - |
| Charge Print, Private Charge Print | O | O*4 | O | - | - |
| Scan | O | O | O | - | - |
| Fax, Internet Fax | - | O | O | - | - |
| Direct Fax | -*5 | - | - | - | - |
| Report/List | - | O | - | - | - |

O : Available
- : Not available

*1 : This column shows whether authentication is required for each service. "O" indicates that authentication is required.
*2 : When [Login Type] is set to [Login to Remote Accounts], the Print feature cannot be restricted. To restrict print operations, use the Charge Print or Private Charge Print feature.
*3 : When you hold your card over IC Card Reader, the machine automatically prints the print job being paused. We recommend that you use Charge Print or Private Charge Print to avoid unintended printing.
*4 : The user ID of the card is checked against the user ID registered on the machine.
*5 : When [Login Type] is [Login to Remote Accounts], the Direct Fax feature cannot be restricted. To disable the Direct Fax feature, refer to "Direct Fax" (P.233).

**Important**
- Note the following conditions when you use ApeosWare Log Management or ApeosWare Accounting Service to perform account administration per user:
- When users are registered in multiple domains, each user ID must be unique.
- Before a user sends a print job from a computer, the user needs to log in from the computer to the remote server to have the server confirm the user ID.

**Note**
- Authentication is not performed when [Verify User Details] is set to [No] under [Tools] > [Accounting] > [Accounting Type] > [Network Accounting].

# Authentication for Job Flow Sheets and Folders

This section describes the restrictions of job flows, folders, and job flow sheets and folder links when the Authentication feature is enabled.

Overview ..... 397
When the Authentication Feature is Disabled ..... 399
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## Overview

### Job Flow Sheet Types and Overview

Job flow sheets that you can create on the machine targets the documents stored in folders. You can create job flow sheets that can handle documents in folders and scanned documents using EasyOperator or Device Setup Tool from a computer on a network.

**Note** • For information on job flow sheets that you can create on the machine, refer to "6 Send from Folder" > "Configuring/Starting Job Flow" in the User Guide. EasyOperator is included in the Driver CD Kit. Device Setup Tool is included in ApeosWare Management Suite, which you can download from our web site.

You can create job flow sheets for folder operations on the machine. Job flow sheets for scanner operations can be created on a computer connected to a network using software such as EasyOperator.

The job flow sheets created on the computer cannot be edited or copied on the machine.

The following four types of job flow sheets are available for the machine:

#### ■ General Shared Job Flow Sheets

This is a job flow sheet created on the [Create Job Flow Sheet] screen by a local user when the Authentication feature is disabled.

When the Authentication feature is disabled, this type of job flow sheet can be shared and its settings can be changed by any machine user.

When the Authentication feature is enabled, this type of job flow sheet can be operated only by the system administrator.

#### ■ Folder Job Flow Sheets

This is a job flow sheet created by a local user or the system administrator on the [Create Folder] or [Send from Folder] screen when the Authentication feature is disabled.

The owner of the job flow sheet is the "folder" from which it was created. For example, the owner of a job flow sheet created in Folder 001 will be "Folder 001", and the job flow sheet can be used only in Folder 001.

Any users who have access to the folder upon the job flow sheet creation can use the job flow and change its settings.

This job flow sheet can be used by any machine user when the Authentication feature is disabled. When the Authentication feature is enabled, this job flow sheet can be operated only by the system administrator.

#### ■ Personal Job Flow Sheets

This is a job flow sheet created by a login user when the Authentication feature is enabled.

When the Authentication feature is enabled, this type of job flow sheet is available for the login user who created the job flow sheet and for the system administrator.

### ■ Administrator Shared Job Flow Sheets

This is a job flow sheet created by the system administrator.

When the Authentication feature is disabled, any machine user can use this type of job flow sheet.

When the Authentication feature is enabled, any login user can use the job flow sheet.

Only the system administrator, however, can change its settings.

To create administrator shared job flow sheets, you must press the <Log In/Out> button and operate the machine as the system administrator.

The available operations for job flow sheets vary depending on whether the Authentication feature is enabled or disabled.

| Job Flow Sheet Types | When Authentication is Disabled | | | When Authentication is Enabled | | |
|---|---|---|---|---|---|---|
| | Create | Edit/ Delete | Use* | Create | Edit/ Delete | Use* |
| General Shared Job Flow Sheet | O | O | O | X | X | △ |
| Folder Job Flow Sheet | | | | | | |
| Personal Job Flow Sheet | X | X | △ | O | O | O |
| Administrator Shared Job Flow Sheet | △ | △ | O | △ | △ | O |

O : Available
X : Not available
△ : Available to the System Administrator only

* : Viewing, copying, selecting, and executing job flow sheets

## Types of Folders and Overview

The following three types of folders can be used with the machine:

### ■ General Shared Folder

This is a folder created by a local user when the Authentication feature is not enabled.

When the Authentication feature is not enabled, this folder is shared and its settings can be changed by any user.

When the Authentication feature is enabled, this folder can be operated only by the system administrator.

### ■ Personal Folder

This is a folder created by a login user when the Authentication feature is enabled.

The login user who created it and the system administrator can use it.

When the Authentication feature is not enabled, this folder can be operated only by the system administrator.

The methods you can use folders differ depending on whether the Authentication feature is enabled.

### ■ Administrator Shared Folder

This is a folder created by the system administrator.

When the Authentication feature is not enabled, this folder can be shared by all users. When the Authentication feature is enabled, this folder can be shared by all login users.

Only the system administrator, however, can change the settings.

To create an administrator shared folder, you must press the <Log In/Out> button and operate the machine as the system administrator.

The available operations for folders vary depending on whether the Authentication feature is enabled or disabled.

| Types of Folders | When Authentication is Disabled | | | When Authentication is Enabled | | |
|---|---|---|---|---|---|---|
| | Create | Edit/ Delete | Use* | Create | Edit/ Delete | Use* |
| General Shared Folder | O | O | O | X | △ | △ |
| Personal Folder | X | X | △ | O | O | O |
| Administrator Shared Folder | △ | △ | O | △ | △ | O |

O :Available
X :Not available
△ :Available to the System Administrator only

* : Viewing folders, viewing, deleting, registering, and outputting files, and viewing and starting job flow sheets

### Linking Job Flow Sheets to Folders

The methods to link job flow sheets to folders vary depending on whether the Authentication feature is enabled.

The types of job flow sheets and folders to be linked vary depending on whether the Authentication feature is enabled or disabled.

| Folder / Job Flow | When Authentication is Disabled | | | When Authentication is Enabled | | |
|---|---|---|---|---|---|---|
| | General shared | Personal | Admin shared | General shared | Personal | Admin shared |
| Folder | O | △ | △ | △ | △ | △ |
| General shared | O | △ | △ | △ | △ | △ |
| Personal | △ | △ | △ | △ | O | △ |
| Admin shared | △ | △ | △ | △ | O | △ |

O :Available
△ :Available to the System Administrator only

## When the Authentication Feature is Disabled

### Available Job Flow Sheet Operations

If you change the authentication setting from "enabled" to "disabled", delete all existing personal job flow sheets, and create general shared and folder job flow sheets.

When the Authentication feature is disabled, the relationships between users and job flows are as follows.

The available job flow sheet operations differ between the job flow sheets created on the [Create Folder] under [Setup] or [Send from Folder] screens and those created on the [Create Job Flow Sheet] screen under [Setup].

### ■ [Create Folder] screen / [Send from Folder] screen

The following table describes the operations that can be performed on the [Create Folder] screen under [Setup] or on the [Send from Folder] screen.

| Job Flow operation | General Users | | | | System Administrators | | | |
|---|---|---|---|---|---|---|---|---|
| | General shared | Folder | Admin shared | Personal | General shared | Folder | Admin shared | Personal |
| Create/Register | - | O | - | - | - | - | O | - |
| Display | O | O | O | - | O | O | O | O |
| Edit | O | O | - | - | O | O | O | O |
| Copy * | O | O | O | - | O | O | O | O |
| Delete | O | O | - | - | O | O | O | O |
| Select/Run | O | O | O | - | O | O | O | O |
| Link to folder | O | O | O | - | O | O | O | O |

O :Available
- :Not available

* : The owner of a copied job flow sheet is the user who copied the document.

**Important**
- A job flow sheet created on the [Create Folder] screen under [Setup] or on the [Send from Folder] screen can be edited, copied, deleted, or selected/run only from the folder where the job flow sheet was created. The applicable users are all users who can use the folders.
- If job flow sheets, which are no longer available for use as a result of a change in the Login Type, are linked to folders, they cannot be edited or copied, but still can be used. If you cancel the links, however, the job flow sheets will no longer be displayed and will be unavailable.

### ■ [Create Job Flow Sheet] under [Setup]

The following table describes the operations that can be performed on the [Create Job Flow Sheet] screen under [Setup].

| Job Flow operation | General Users | | | | System Administrators | | | |
|---|---|---|---|---|---|---|---|---|
| | General shared | Folder | Admin shared | Personal | General shared | Folder | Admin shared | Personal |
| Create/Register | O | - | - | - | - | - | O | - |
| Display | O | - | O | - | O | O | O | O |
| Edit | O | - | - | - | O | O | O | O |
| Copy * | O | - | O | - | O | O | O | O |
| Delete | O | - | - | - | O | O | O | O |
| Select/Run | O | - | O | - | O | O | O | O |

O :Available
- :Not available

* : The owner of a copied job flow sheet is the user who copied the document.

## Available Folder Operations

If you change the Authentication feature from "enabled" to "disabled", delete all existing personal folders, and create general shared folders.

When the Authentication feature is disabled, the relationships between users and folders are as follows.

| Folder operation | | General Users | | | System Administrators | | |
|---|---|---|---|---|---|---|---|
| | | General shared | Admin shared | Personal | General shared | Admin shared | Personal |
| Create/Register | | O | - | - | - | O | - |
| Display | | O | O | - | O | O | O |
| Delete | | O | - | - | O | O | O |
| Change Settings | | O | - | - | O | O | O |
| Display File | | O | O | - | O | O | O |
| Delete File | | O | O | - | O | O | O |
| Register File * | | O | O | - | O | O | O |
| Output File * | | O | O | - | O | O | O |
| Job Flow Sheet | Display | O | O | - | O | O | O |
| | Link | O | - | - | O | O | O |
| | Auto Start | O | O | - | O | O | O |
| | Manual Run | O | O | - | O | O | O |

O :Available
- :Not available

* : The following operations are not authenticated:
- Document retrieval using Network Scanner Utility3.

**Important** • If job flow sheets, which are no longer available for use as a result of a change in the Login Type, are linked to folders, they cannot be edited or copied, but still can be used. If you cancel the links, however, the job flow sheets will no longer be displayed and will be unavailable.

## Linking Job Flow Sheets and Folders

If job flow sheets, which are no longer available for use as a result of a change in the Login Type, are linked to folders, they cannot be edited or copied, but still can be used. If you cancel the links, however, the job flow sheets will no longer be displayed and will be unavailable.

When the Authentication feature is disabled, the relationships between users and folders are as follows.

| Folder / Job Flow | General Users | | | System Administrators | | |
|---|---|---|---|---|---|---|
| | General shared | Admin shared | Personal | General shared | Admin shared | Personal |
| Folder | O | - | - | O | O | O |
| General shared | O | - | - | O | O | O |
| Admin shared | O | - | - | O | O | O |
| Personal | - | - | - | O | O | O |

O :Available
- :Not available

## When the Authentication Feature is Enabled

### Available Job Flow Sheet Operations

If you change the authentication setting from "disabled" to "enabled", delete all existing general shared and folder job flow sheets, and create personal job flow sheets.

When the Authentication feature is enabled, the relationships between users and job flows are as follows.

The same operations can be used on [Create Folder] under the [Setup] and [Create Job Flow Sheet] screens.

For information on the Authentication feature, refer to "Overview of Authentication Feature" (P.384).

**■ When [Login to Local Accounts] is selected, when [Verify User Details] is set to [Yes] in [Network Accounting] and [Customize User Prompts] is set to [Display User ID & Account ID Prompts] or [Display User ID Prompt Only], or when authenticated as a user other than a guest user in [Login to Remote Accounts]**

**Important** • If authenticated as a guest user in [Login to Remote Accounts], you are treated as an unregistered user (local user) and cannot operate job flow sheets.

| Job flow operation | Unregistered Users (Local Users) | | | | Local Users | | | | | System Administrators | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | General shared | Folder | Admin shared | Personal | General shared | Folder | Admin shared | Personal (owner) | Personal (Non-owner) | General shared | Folder | Admin shared | Personal |
| Create/ Register | - | - | - | - | - | - | - | O | - | - | - | O | - |
| Display | - | - | - | - | - | - | O | O | - | O | O | O | O |
| Edit | - | - | - | - | - | - | - | O | - | O | O | O | O |
| Copy * | - | - | - | - | - | - | O | O | - | O | O | O | O |
| Delete | - | - | - | - | - | - | - | O | - | O | O | O | O |
| Select/Run | - | - | - | - | - | - | O | O | - | O | O | O | O |
| Link to Folder | - | - | - | - | - | - | O | O | - | O | O | O | O |

O :Available
- :Not available

* : The owner of a copied job flow sheet is the user who copied the document.

### Available Folder Operations

If you change the authentication setting from "disabled" to "enabled", delete all existing general shared folders, and create personal folders.

When the Authentication feature is enabled, the relationships between users and job flows are as follows.

For information on the Authentication feature, refer to "Overview of Authentication Feature" (P.384).

### ■ When [Login to Local Accounts] is selected, when [Verify User Details] is set to [Yes] in [Network Accounting] and [Customize User Prompts] is set to [Display User ID & Account ID Prompts] or [Display User ID Prompt Only], or when authenticated as a user other than a guest user in [Login to Remote Accounts]

**Important** • If authenticated as a guest user in [Login to Remote Accounts], you are treated as an unregistered user (local user) and cannot operate folders.

| Folder operation | | Unregistered Users (Local Users) | | | Login Users | | | | System Administrators | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | General shared | Admin shared | Personal | General shared | Admin shared | Personal (Owner) | Personal (Non-owner) | General shared | Admin shared | Personal |
| Create/Register | | - | - | - | - | - | O | - | - | O | - |
| Display | | - | O*1 | - | - | O | O | - | O | O | O |
| Delete | | - | - | - | - | - | O | - | O | O | O |
| Change Settings | | - | - | - | - | - | O | - | O | O | O |
| Display File | | - | O*1 | - | - | O | O | - | O | O | O |
| Delete File | | - | O*1 | - | - | O | O | - | O | O | O |
| Register File | | - | O*1 | - | - | O | O | - | O | O | O |
| Output File | | - | O*1 | - | - | O | O | - | O | O | O |
| Job Flow Sheet | Display | - | -*2 | - | - | O | O | - | O | O | O |
| | Link | - | - | - | - | - | O | - | O | O | O |
| | Auto Start | - | -*2 | - | - | O | O | - | O | O | O |
| | Manual Run | - | -*2 | - | - | O | O | - | O | O | O |

O : Available
- : Not available

*1 : Available only when the folder operations are permitted in the Authentication feature settings of the System Administration mode.

*2 : You can perform display, auto run, and manual run operations for job flow sheets linked to folders.

**Important** • If job flow sheets, which are no longer available for use as a result of a change in the Login Type, are linked to folders, they cannot be edited or copied, but still can be used. If you cancel the links, however, the job flow sheets will no longer be displayed and will be unavailable.

## Linking Job Flow Sheets and Folders

When the Authentication feature is enabled, the relationships between users and folders are as follows.

For information on the Authentication feature, refer to "Overview of Authentication Feature" (P.384).

### ■ When [Login to Local Accounts] is selected, when [Verify User Details] is set to [Yes] in [Network Accounting] and [Customize User Prompts] is set to [Display User ID & Account ID Prompts] or [Display User ID Prompt Only], or when authenticated as a user other than a guest user in [Login to Remote Accounts]

**Important** • If authenticated as a guest user in [Login to Remote Accounts], you are treated as an unregistered user (local user) and cannot operate job flow sheets or folders.

| Folder / Job Flow | Unregistered Users (Local Users) | | | Login Users | | | | System Administrators | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | General shared | Admin shared | Personal | General shared | Admin shared | Personal (Owner) | Personal (Non-owner) | General shared | Admin shared | Personal |
| General shared | - | - | - | - | - | - | - | O | O | O |
| Admin shared | - | - | - | - | - | O | - | O | O | O |
| Personal (Owner) | - | - | - | - | - | O | - | O | O | O |
| Personal (Non-owner) | - | - | - | - | - | - | - | O | O | O |

O :Available
- :Not available

# Jobs Manageable by Account Administration

This section describes the information that can be managed for the jobs for each service.

## Print

You can manage the following print job information using the Accounting feature:

| Services (Jobs) | | Authentication | Target User | Managed Items |
|---|---|---|---|---|
| Normal Print | Machine's print driver | Required | Login user | Pages/sheets |
| | Other than machine's print driver | -*1 | Unregistered user | Pages/sheets |
| Secure Print | Store Files | Required | - | - |
| | Print Files | Not required*2 | Login user | Pages/sheets |
| Sample Set | Store Files, Print first set | Required | Login user | Pages/sheets |
| | Print remaining sets | Not required*2 | Login user | Pages/sheets |
| Print Stored File | Store Files | Required | - | - |
| | Print Files | Required/ Not required*3 | Login user | Pages/sheets |
| Delayed Print | Store Files | Required | - | - |
| | Print Files | Not required*2 | Login user | Pages/sheets |
| Charge Print | Store Files | Not required | - | - |
| | Print Files | Required | Login user | Pages/sheets |
| Private Charge Print | Store Files | Required/ Not required*4 | - | - |
| | Print Files | Required | Login user | Pages/sheets |
| Print E-mail | | -*1 | Unregistered user | Pages/sheets |

*1 : Printing is available only when [Non-account Print] is set to [Enabled] in CentreWare Internet Services.
*2 : Authentication is not required for printing because each print job has been authenticated when received by the machine.
*3 : Depends on the [Send from Folder] setting under "Feature Access" (P.282) in the System Administration mode.
*4 : Depends on the "Receive Control" (P.286) setting in the System Administration mode.

## Scan

You can manage the following scan job information using the Accounting feature:

| Corresponding Service | Authentication | Target User | Managed Items |
|---|---|---|---|
| E-mail | Required | Login user | Scanned pages, mail transmission pages |
| Store to Folder | Required | Login user | Scanned pages |
| Scan to PC | Required | Login user | Scanned pages, file transfer pages |
| Store & Send Link | Required | Login user | Scanned pages |
| Network Scanning | Required | Login user | Scanned pages, file transfer pages |
| Store to USB | Required | Login user | Scanned pages |

## Fax

You can manage the following fax job information using the Accounting feature:

| Services (Jobs) | | Authentication | Target User | Managed Items |
|---|---|---|---|---|
| Send as Fax | Automatic Send | Required | Login user | Transmissions/pages, charging units |
| | Manual Send (Call-in, Call-out) | Required | Login user | Transmissions/pages, charging units |
| Receive Fax/Print Fax | Automatic Reception/Print | Not required | Fax reception | Receptions/pages, charging units, printed pages/number of sheets |
| | Manual Reception/Print (Call-in, Call-out) | Required | Fax reception | Receptions/pages, charging units, printed pages/number of sheets |
| Store Fax - Local Folder | Automatic Reception to Folder | Not required | Fax reception | Receptions/pages, charging units |
| | Print Folder-received Fax | Required* | Login user | Printed pages/number of sheets |
| Fax Polling | Storing for Polling (Folders, Polling Folders) | Required* | - | - |
| | Automatic Send (to Folder) | Not required | Unregistered user | Transmissions/pages |
| | Automatic Reception/Print | Required | Login user | Polls/pages, charging units, printed pages/number of sheets |
| | Polling File Sample Printout (Folders, Polling Folders) | Required* | Login user | Pages/number of sheets |
| Fax Relay Broadcast | Relay Broadcasting, Printing | Not required | Relay Broadcast | Transmissions/pages, charging units, printed pages/number of sheets |
| Direct Fax transmission | | Required | Login user | Transmissions/pages, charging units |
| Send as Internet Fax | | Required | Login user | Transmissions/pages |
| Receive Internet Fax/Print Internet Fax | Automatic Reception/Print | Not required | Internet Fax Received | Receptions/pages, printed pages/ number of sheets |
| | Automatic Reception to Folder | Not required | Internet Fax Received | Receptions/pages |
| | Print Folder-received Fax | Required* | Login user | Pages/number of sheets |
| Receive Internet Fax/ Internet Fax Transfer | Automatic Transmission (Transfer) | Not required | Internet Fax reception/fax forwarding | Transmissions/pages, charging units |

* : When you select [Unlocked] for [Print Files from Folder] under [Tools] > [Authentication/Security Settings] > [Authentication] > [Access Control] > [Feature Access], authentication is not required to access folders shared by system administrators, and the machine prints jobs as unregistered user.

- Restriction on Using the Accounting feature on Fax Jobs:
  Note the following conditions when you use the Accounting feature on fax jobs.
  - Sending files from different user accounts to the same destination is not counted as a batch send.
  - The number of charging units is calculated using the machine's built-in timer. Therefore, the communications charges calculated from the number of charging units may slightly differ from the charges invoiced by the telecommunications company.

- When fax-received pages are split for printing, the number of pages counted will be those received, not those printed.
- The number of charging units is not counted for the following communications:
  - When dialing a fax number using the numeric keypad or the On-hook/Off-hook feature.
  - When using an address number in which the billing data is not registered.
  - When a phone conversation took place, including the one before a transmission.

- Billing for Fax Jobs
  Fax jobs are not billed for the following communications:
  - When dialing a fax number using the numeric keypad or the On-hook/Off-hook feature.
  - When using an address number in which the billing data is not registered.
  - Manual Receive, Manual Send, or Manual Polling is used.
  - When a phone conversation took place, including the one before a transmission.

# Configuration for Authentication

This section describes the settings to use the Authentication feature on the machine.

The following shows the reference section for each procedure.

Enabling Authentication ..... 408
Changing the Default Authorization Group Settings ..... 411
Creating an Authorization Group ..... 411

## Installation Overview

To use the Authentication feature, configure the following settings.

**Important** • If job flow sheets, which are no longer available for use because of a change in the Login Type, are linked to folders, they cannot be edited or copied, but still can be used. If you cancel the links, however, the job flow sheets will no longer be displayed and will be unavailable.

### ■ Login to Local Accounts

Specify the Login Type and access control, and then create a user.

### ■ Login to Remote Accounts

Specify the Login Type, access control, and remote authentication server.

Change the default authorization group settings and add an authorization group, as necessary.

## Enabling Authentication

This section describes the procedures for [Login to Local Accounts] and [Login to Remote Accounts] respectively.

### When [Login to Local Accounts] is Selected

Perform the following procedures to use local authentication.

1. Press the <Log In/Out> button.
2. Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

   **Note** • The default user ID is "11111".
   • The default passcode is "x-admin".
3. Select [Tools] on the [Services Home] screen.
4. Select [Authentication/Security Settings].
5. Select [Authentication].
6. Select [Login Type].
7. Select [Login to Local Accounts], and then select [Save].

   For more information on the authentication method, refer to "Login Type" (P.280).

8 Select [Access Control].

9 Select [Service Access].

10 Select [Unlocked] for the required services to permit users unlimited access, and then select [Save].

11 After you finish settings for each feature, select [Close].

12 To disable button operations on the control panel, select [Device Access] and select [Locked], and then select [Save] and then [Close].

13 Select [Passcode Entry for Control Panel Login] under [Passcode Policy].
Select [On] to prompt users to enter their passcode, or select [Off] if the passcode entry is not required, and then select [Save] and then [Close].

14 Select [Create/View User Accounts].

15 Select a user displayed as [<Available>], and then select [Create/Delete].

16 Enter a User Name and select [Save].

17 Select [Service Access].

18 Configure the [Service Access] and [Feature Access] settings for each service, and then select [Close].

19 If necessary, select a user role and an authorization group for the user under [User Role] and [Add This User To Authorization Group] respectively, and then select [Save].

20 Select [Close] repeatedly until the [Tools] screen is displayed.

21 Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.
- The machine enters the Login mode, and [Login] is displayed at the lower left of the [Services Home] screen.
- When [Locked (Show Icon)] is selected for a service under [Service Access], [ ] is displayed on the button of the applicable service on the [Services Home] screen. Also, [ : Requires Login] is displayed at the lower left of the [Services Home] screen. [ ] and [ : Requires Login] are not displayed after authentication.
- When [Locked (Hide Icon)] is selected for a service under [Service Access] the applicable service is not displayed on the [Services Home] screen. The services is displayed after authentication.

### When [Login to Remote Accounts] is Selected

Perform the following procedures to use remote authentication.

1 Press the <Log In/Out> button.

2 Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note**
- The default user ID is "11111".
- The default passcode is "x-admin".

3 Select [Tools] on the [Services Home] screen.

4 Select [Authentication/Security Settings].

5 Select [Authentication].

6 Select [Login Type].

7 Select [Login to Remote Accounts], and then select [Save].

For more information on the authentication method, refer to "Login Type" (P.280).

8 Select [Yes].

9 Select [Access Control].

10 Select [Service Access].

11 Select [Unlocked] for the required services to permit users unlimited access, and then select [Save].

12 Select [Close] repeatedly until the [Tools] screen is displayed.

13 Select [System Settings].

14 Select [Connectivity & Network Setup].

15 Select [Remote Authentication/Directory Service].

16 Select [Authentication System Setup] > [Authentication System], and then select a remote authentication server.

For more information, refer to "Remote Authentication/Directory Service" (P.201).

**Note** • The available options are [Kerberos (Windows 2000), [Kerberos (Solaris)], [LDAP], and [SMB].

17 Configure the settings for the remote authentication server.

For more information on the Authentication feature, refer to "Kerberos Server Settings" (P.201), "LDAP Server/Directory Service Settings" (P.202), and "SMB Server Settings" (P.206).

18 Select [Close] repeatedly until the [Tools] screen is displayed.

19 Select [Close].

**Note**
- Rebooting the machine may be required depending on the settings. When a message displayed on the screen, follow the message and reboot the machine.
- The machine enters the Login mode, and [Login] is displayed at the lower left of the [Services Home] screen.
- When [Locked (Show Icon)] is selected for a service under [Service Access], [🔒] is displayed on the button of the applicable service on the [Services Home] screen. Also, [🔒: Requires Login] is displayed at the lower left of the [Services Home] screen. [🔒] and [🔒: Requires Login] are not displayed after authentication.
- When [Locked (Hide Icon)] is selected for a service under [Service Access] the applicable service is not displayed on the [Services Home] screen. The services is displayed after authentication.

### ■ When an LDAP server is used as a remote authentication server

Set the user authorization on the LDAP server using the following steps.

1 Start CentreWare Internet Services.

2 Click the [Properties] tab.

3 Click [Connectivity] > [Protocols] > [LDAP] > [LDAP Authorization Access].

4 Set attributes in [System Administrator Access] and [Accounting Administrator Access].

Setting example:
System Administrator Access: CN=SA,CN=Users,DC=secEQ,DC=local
Accounting Administrator Access: CN=AA,CN=Users,DC=secEQ,DC=local

5 Click [Apply].

## Changing the Default Authorization Group Settings

Perform the following procedures to change the settings of the default authentication group.

The settings changed here will be used as the default value of the authorization group for a created user.

1. Press the <Log In/Out> button.
2. Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

   **Note**
   - The default user ID is "11111".
   - The default passcode is "x-admin".
3. Select [Tools] on the [Services Home] screen.
4. Select [Authentication/Security Settings].
5. Select [Authentication].
6. Select [Create Authorization Groups].
7. Select a group displayed as [DefaultGroup (Default)], and then select [Create/Delete].
8. Set each item.

   For more information on the change of the authorization group, refer to "Create Authorization Groups" (P.282).
9. Select [Close] repeatedly until the [Tools] screen is displayed.
10. Select [Close].

## Creating an Authorization Group

Perform the following procedures to add authorization groups, if necessary.

1. Press the <Log In/Out> button.
2. Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

   **Note**
   - The default user ID is "11111".
   - The default passcode is "x-admin".
3. Select [Tools] on the [Services Home] screen.
4. Select [Authentication/Security Settings].
5. Select [Authentication].
6. Select [Create Authorization Groups].
7. Select a group displayed as [(No Name)], and then select [Create/Delete].
8. Enter a group name into [Group Name].

9 Set the other items.

For more information on the authorization group settings, refer to "Create Authorization Groups" (P.282).

10 Select [Close] repeatedly until the [Tools] screen is displayed.

11 Select [Close].

# Configuration for IC Card Reader (Optional)

You can use a smart card for authentication by comparing the information registered on the smart card and the user information on the machine. You can also restrict the machine use and perform accounting of the jobs using the information registered on the smart card.

This section describes the supported smart cards and how to register a smart card to use at the machine.

**Note** • An optional component is required to use this feature. For more information, contact our Customer Support Center.

The following shows the reference section for card information and each procedure.

Step 1 Preparations ..... 413
Step 2 Logout Method Using the Smart Card ..... 413
Step 3 Registering Smart Card Information ..... 414

## Step 1 Preparations

Two types of IC Card Reader are supported by the machine. Each IC Card Reader supports following smart card types.

### ■ When using DENSO PR-450UDM

- MIFARE? (Type A)
  - Fuji Xerox IC Card (Type A)
  - Other MIFARE compatible smart cards*
- eLWISE/ELWISE (Type B)
  - eLWISE
  - ELWISE
- FeliCa?
  - Fuji Xerox IC Card
  - IC Card compatible with SSFC version 1.0 format
  - Other FeliCa compatible smart cards*

* : The embedded IC Card Reader of the machine may not support some smart cards.

### ■ When using TWN3 Version HIDPROX

- HID-PROX*

* : The embedded IC Card Reader of the machine may not support some smart cards.

**Note** • When you confirm which IC Card Reader you use, contact our Customer Support Center.

## Step 2 Logout Method Using the Smart Card

Perform the following steps to set how to logout authentication using the smart card.

1. Press the <Log In/Out> button.
2. Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

**Note** • The default user ID is "11111".
• The default passcode is "x-admin".

3 Select [Tools] on the [Services Home] screen.

4 Select [Authentication/Security Settings].

5 Select [Authentication].

6 Select [User Details Setup].

7 Select [Smart Card Logout Timing], and then select [Change Settings].

8 Select the authentication logout method, and then select [Save].

9 Select [Close].

## Step 3 Registering Smart Card Information

The system administrator can register smart cards using CentreWare Internet Services.

**Note** • The information used for authentication can also be set from CentreWare Internet Services. For more information, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

1 Start CentreWare Internet Services.

For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).

2 Click the [Properties] tab.

3 Click [Securities], and then click [Smart Card Settings].

4 Select the smart card to use.

1) Click [Edit] next to the smart card.
2) Select the [Enabled] check box, and then set the priority.
3) Click [Apply].

**Note** • You can select multiple smart cards, but the card detection time increases in proportion to the number of cards selected. We recommend that you select the required cards only.

5 Register the smart card that you selected the [Enabled] check box for.

1) Click [Edit] next to the smart card.
2) Configure required settings.
3) Click [Apply].

6 To encrypt the smart card information, click the [Encrypt] button in [Encryption Settings].

**Important** • Once you encrypt the smart card information, you cannot view or edit the information later. Also, when you click the [Decrypt] button, the information is reset to the default. You should backup the smart card information before encryption.

You can backup the smart card setting using [Cloning]. For more information, refer to the help of CentreWare Internet Services.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

# Configuration for Account Administration

This section describes the settings to use the Accounting feature on the machine.

The following shows the reference section for each procedure.

Step 1 Selecting an Accounting Type.....415
Step 2 Registering User Information.....415

## Step 1 Selecting an Accounting Type

The following describes the configuration procedures to use the Accounting feature.

**Note** • For information on relationships between the Authentication and Accounting modes, refer to "Authentication and Accounting Relationship" (P.390).

1. Press the <Log In/Out> button.
2. Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

   **Note** • The default user ID is "11111".
   • The default passcode is "x-admin".
3. Select [Tools] on the [Services Home] screen.
4. Select [Accounting].
5. Select [Accounting Type].
6. Select an accounting type, and then select [Save].

   **Note** • You can select the accounting type from [Local Accounting], [Network Accounting], and [Xerox Standard Accounting].

   For information on the accounting types, refer to "Accounting Type" (P.275).
7. Select [Close] repeatedly until the [Tools] screen is displayed.
8. Select [Close].

## Step 2 Registering User Information

1. Press the <Log In/Out> button.
2. Enter the system administrator's user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the system administrator's passcode, and select [Enter].

   **Note** • The default user ID is "11111".
   • The default passcode is "x-admin".
3. Select [Tools] on the [Services Home] screen.
4. Select [Accounting].

5 Select [Create/View User Accounts].

6 Select [<Available>], and then select [Create/Delete].

7 Enter a User ID and select [Save].

8 Select [Service Access].

9 Configure the [Service Access] and [Feature Access] settings for each service, and then select [Save].

For more information on the service access, refer to "Service Access" (P.271).

10 If necessary, select a user role and an authorization group for the user under [User Role], and then select [Save].

**Note** • [User Role] is displayed only when [Login Type] is set to [Login to Local Accounts].

For more information on the user role, refer to "User Role" (P.272).

11 Select [Close] repeatedly until the [Tools] screen is displayed.

12 Select [Close].

# User Authentication Operations

The machine has the Authentication feature to restrict the services available.

This section describes the authentication method to use the restricted services.

The following shows the reference section for each procedure.

Authenticating Login Users ....417
Changing Passcode....418

## Authenticating Login Users

There are two methods to authenticate login users: using the operator panel of the machine and touching the smart card to the built-in IC Card Reader. To authenticate the login users using the operator panel, the user must enter the user ID.

In addition, the passcode entry is also required when [Passcode Entry for Control Panel Login] is set to [On] under [Authentication/Security Settings] > [Authentication] > [Passcode Policy].

For more information on the passcode policy, refer to "Passcode Policy" (P.285).

For more information on user registration from the touch screen, refer to "Create/View User Accounts" (P.270).

**Note** • An optional component is required to use this feature. For more information, contact our Customer Support Center.

### Log In/Log Out from the Operator Panel

#### ■ User Authentication

1. Press the <Log In/Out> button or the login information field on the touch screen.
2. Enter the user ID with the numeric keypad or the keyboard displayed on the screen, and select [Enter].

   When a passcode is required, select [Next] and enter the passcode, and select [Enter].

**Important** • Finish user authentication before you cancel the Interrupt mode.

**Note** • When you select the service restricted, the [Log In] screen may appear. Enter the user ID and/or the passcode to use the service.
• When the user is authenticated, the <Log In/Out> button is lit.

#### ■ Logging Out of User Authentication

1. Press the <Log In/Out> button.

**Note** • You can also log out by pressing the login information field on the touch screen, and then select [Logout].
• When the user is logged out, the <Log In/Out> button light goes out.

### Log In/Log Out by Touching the IC Card Reader (Optional)

#### ■ User Authentication

1. Touch the smart card to the IC Card Reader.

**Important** • Be sure to touch the smart card to the IC Card Reader.
• A passcode may be required depending on the settings. If you enter the wrong passcode, press the <Log In/Out> button to exit the Authentication mode. Then, touch the smart card to the IC Card Reader again.

### ■ Logging Out of User Authentication

The logging out method vary depending on the Smart Card Logout Timing setting.
For more information, refer to "Smart Card Logout Timing" (P.284).

- When you select [Log Out when Card is Removed], the user is authenticated while the smart card is being touched to the IC Card Reader.
- When you select [Log Out from Control Panel], the user can log out by using the same log out method as using the operator panel.

## Changing Passcode

You can change the passcode to use for user authentication. Change the passcode by following the steps in this section.

### Changing Passcode by User

When a user is authenticated, the user can change his/her own passcode.

1. Select [Setup] on the [Services Home] screen.
2. Select [User Details Setup].
3. Select [Change Passcode].
4. Enter the current passcode, and then select [Next].
5. Select [New Passcode] and enter a new passcode, and then select [Save].
6. Select [Retype Passcode] and re-enter the new passcode, and then select [Save].
7. Select [Close].

### Setting/Changing Passcode by System Administrator

The system administrator can set or change passcodes using CentreWare Internet Services.
For more information on setting or changing passcodes from the touch screen, refer to "Create/View User Accounts" (P.270).

1. Start a Web browser.

   For information on how to start CentreWare Internet Services, refer to "Starting CentreWare Internet Services" (P.294).
2. Click the [Properties] tab.
3. Click [Security], and then click [Authentication Configuration].
4. Click [Next].
5. Enter the account number of the user to set or change in [Account Number], and then click [Edit].
6. Enter a new passcode in [Password].
7. Re-enter the new passcode in [Retype Password].
8. Click [Apply].

# 15 Problem Solving

This chapter describes solutions to various problems you may have with the machine.


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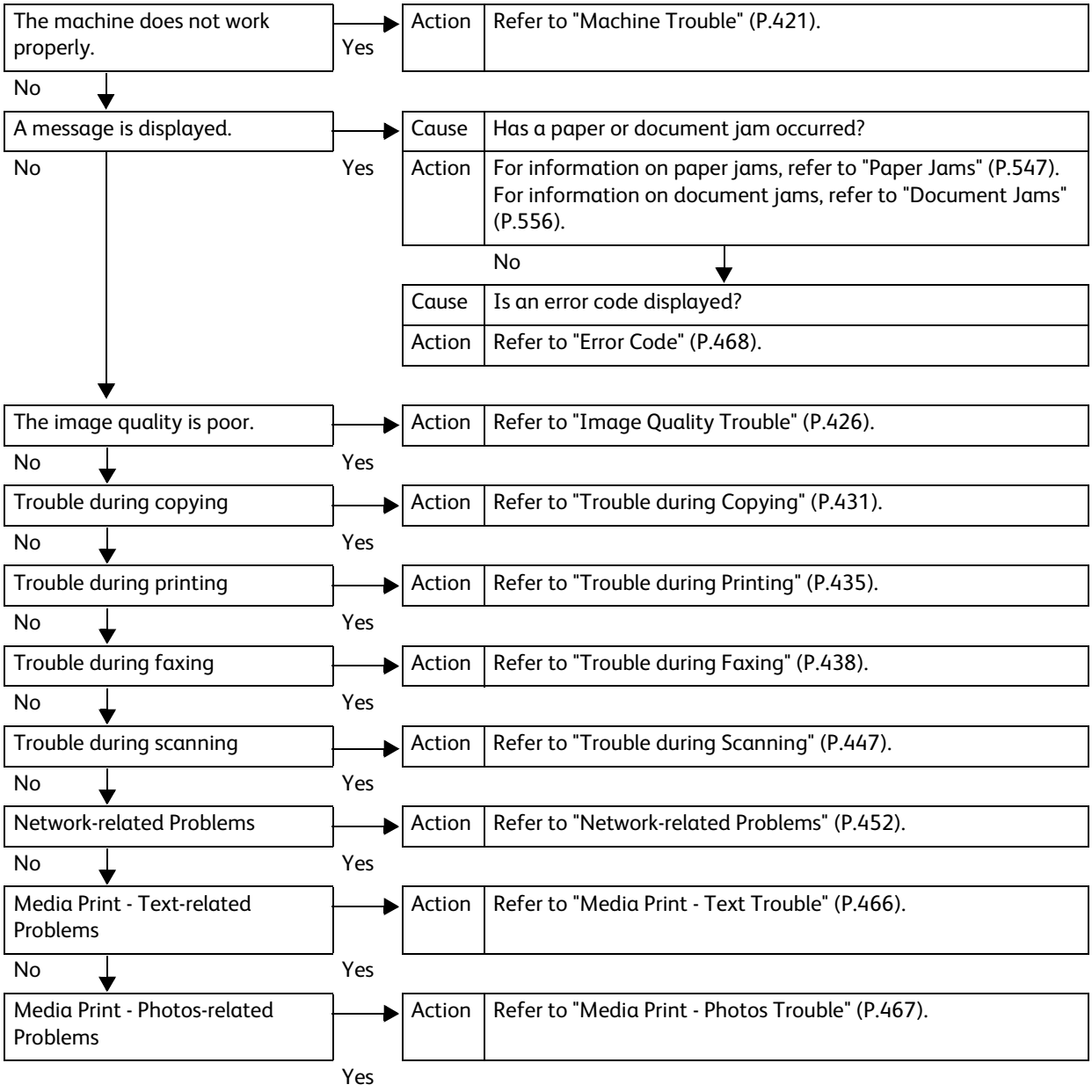
# Troubleshooting

This section describes troubles that may occur with the machine and their solutions.

Follow the troubleshooting procedure below to solve the problems.




If the error is not resolved even after following the above procedure, contact our Customer Support Center.

When the EP system is available and a check or maintenance is required, the machine sends a check or maintenance request to our Customer Support Center. A service representative visits you as required. Requesting a check or maintenance should be performed by a system administrator.

**Note**
- The EP system may not be available in some regions. For more information, contact our Customer Support Center.

For more information on the check or maintenance procedure of the EP system via the Internet, refer to "EP Diagnostic Request/Repair Request" (P.158) and "Check EP Connection" (P.159).

For more information on the EP system, refer to "EP System" (P.667).

# Machine Trouble

Before you conclude that the machine is defective, check the machine status again.

| Symptom | Cause | Remedy |
|---|---|---|
| The machine is not powered on. | Is the main power and power switched on? | Switch the main power switch and power on.<br>Refer to "2 Product Overview" in the User Guide. |
| | Is the power cord plugged into the power outlet? | Switch the main power switch and power off, and then firmly plug the power cord into the connector of the machine and power outlet. Then switch the main power and power on.<br>Refer to "2 Product Overview" in the User Guide. |
| | Is the power cord disconnected from the machine? | |
| | Does the AC outlet supply power properly? | Connect another appliance to the outlet to verify the power supply.<br>Refer to "1 Before Using the Machine" in the User Guide. |
| The <Error> indicator is blinking. | The system of the machine or the components installed may have a trouble. | Switch the main power and power off and then on. If the error still is not resolved, contact our Customer Support Center. |
| The <Error> indicator is lit. | Is paper or a document jammed? | Remove the jammed paper or document.<br>If paper is jammed, refer to "Paper Jams" (P.547), and a document is jammed, refer to "Document Jams" (P.556). |
| | Is the front cover or top cover open? | Solve the problem by following the message displayed. |
| | Is a message displayed on the touch screen prompting you to replace the consumables? | Replace the consumables indicated in the message.<br>Refer to "Replacing Consumables" (P.60). |
| | Is a message displayed in the upper part of the touch screen? | Check the message and solve the problem. If an error code such as "016-450" is displayed, check the error code list and solve the problem.<br>Refer to "Error Code" (P.468). |
| The touch screen is too dark. | Is the <Energy Saver> button lit? | The machine is in the Energy Saver mode. Press the <Energy Saver> button on the control panel to exit the Energy Saver mode.<br>Refer to "2 Product Overview" in the User Guide. |
| | Is the screen brightness too low? | Adjust the screen brightness on the [Screen Brightness] screen.<br>Refer to "Adjusting Screen Brightness" (P.32). |

| Symptom | Cause | Remedy |
|---|---|---|
| Unable to print, or unable to copy. | Is a message displayed on the touch screen? | Follow the instructions displayed to resolve the problem. |
| | Is the message "Machine Cooling in Progress" displayed on the touch screen? | The machine is in the Cooling mode to lower its internal temperature because the temperature rises too high. The machine may enter this mode if the ambient temperature becomes high.<br>The message on the touch screen disappears after the machine has cooled down. Wait until the message disappears.<br>If the room temperature is high, lower the temperature because it may take longer time for the machine to cool down.<br>For more information, contact our Customer Support Center. |
| | Is the memory capacity insufficient? | Perform one of the following:<br>• Set [Image Quality] to [Standard] in the print driver, or try printing again by setting [Print Page Mode] to [On].<br>• Set the status of the unused ports to [Disabled].<br>• Add memory by installing add-on memory. |
| | Is the print mode [Off-line]? | Press the <Machine Status> button to check the [Print Mode] on the [Machine Status] screen. If [Print Mode] is set to [Off-line], select [On-line]. |
| | Is the print driver in the offline mode? | Open the printer icon, and then deselect the offline mode from the Printer menu. |
| | Is the power cord disconnected from the machine? | Switch the main power and power off, and then firmly plug the power cord into the connector of the machine and power outlet. Then switch the main power and power on.<br>Refer to "2 Product Overview" > "Power Source" in the User Guide. |
| It takes longer time before the machine starts copying or printing. | Check if any of the following apply:<br>• The machine is switched on after it has not been used for long hours.<br>• You have instructed the machine to deliver outputs immediately after the machine exits the Sleep mode.<br>• You have instructed the machine to deliver many documents. | Due to the image quality adjustment, it may take loner time for the machine to warm up or to start delivering outputs.<br>This may also occur depending on changes of the installation environment. |

| Symptom | Cause | Remedy |
|---|---|---|
| The <Data> indicator does not light even though you instructed the machine to print. | Is the interface cable connected? | Check the interface cable connection.<br>Refer to "Interface Cables" (P.19). |
| | Is the computer's environment correctly set? | Check the computer environment such as print driver settings. |
| | Is the required port status set to [Enabled]? | Check the status of the port to use, and then set the port status to [Enabled].<br>Refer to "Port Settings" (P.185). |
| Paper is not fed from Tray 5. | Is the specified size paper loaded in the tray? | Follow the instructions displayed to load paper of correct size, and then try again.<br>Refer to "Loading Paper in Tray 5" (P.52). |
| Unsatisfactory print quality. | A probable cause is an image defect. | Resolve the problem by referring to "Image Quality Trouble".<br>Refer to "Image Quality Trouble" (P.426). |
| Unable to print text correctly. (Text is garbled.) | Non-standard fonts are used for printing. | Check the application or print driver settings. If PostScript (optional) is being used, download the required fonts. |
| Unable to insert or remove a paper tray. | Did you open a cover or turn the machine off during printing? | Do not forcibly insert or remove the paper tray. Switch off the power. In a few seconds, switch on the power. When the machine is ready to receive data, insert or remove the paper tray. |
| Unable to copy with the specified size. | Is the document glass or the document cover dirty? | Clean the document glass and the document cover.<br>Refer to "Cleaning the Document Cover and Document Glass" (P.90). |
| | Is the document a transparent type such as a transparency film? | Place the document on the document glass, and place a white sheet on top of the document when copying. |
| | Is the document in the correct position? | Load the document correctly.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | Is the document loaded correctly? | |
| | Are the document guides on the document feeder set in the correct positions? | Adjust the document guide positions.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | Is the document folded? | Unfold and correctly load the document.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | Is the document a non-standard size? | Specify the document size.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |

| Symptom | Cause | Remedy |
|---|---|---|
| Paper is often jammed or wrinkled. | Is the paper loaded correctly in the tray? | Load the paper correctly.<br>Refer to "Loading Paper" (P.50). |
| | Is the paper tray inserted correctly? | Firmly push in the paper tray until it stops to insert it correctly.<br>Refer to "Loading Paper" (P.50). |
| | Is the paper damp? | Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | Is the paper curled? | Turn over the paper in the tray, or replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | Are the paper and paper tray settings correct? | Correctly set the paper and paper trays to correspond to the paper.<br>Refer to "Changing the Paper Settings" (P.56). |
| | Are any torn pieces of paper remaining or is there a foreign object in the machine? | Open the cover of the machine or slide out the paper tray to remove the torn pieces or the foreign object.<br>Refer to "Paper Jams" (P.547) or "Loading Paper" (P.50). |
| | Is non-standard paper loaded in the tray? | Replace with paper that meets machine specifications.<br>Refer to "Paper Types" (P.36) or "Loading Paper" (P.50). |
| | Is paper exceeding the maximum fill line in the tray? | Load paper in the paper tray so that it does not exceed the maximum fill line.<br>Refer to "Loading Paper" (P.50). |
| | Are the paper guides set correctly? | Load the paper correctly, and align the paper guides to the paper.<br>Refer to "Loading Paper" (P.50) or "Changing the Paper Size" (P.54). |
| | Is the image nearly the same size as the paper? | Increase the edge erase widths.<br>For more information, refer to "3 Copy" in the User Guide when you copying, or to the help of the print driver when printing. |
| | Is the paper finely cut out? | Some types of paper may not be cut out finely. Load the paper after fanning it well. |
| A document is not fed into the document feeder. | Is the document small? | The minimum size of the document that can be loaded on the document feeder is 88.9 x 98.4 mm.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| An error message appears after paper is loaded in Tray 5 and the <Start> button is pressed. | Check the positions of the paper guides of Tray 5. | Adjust the paper guides to the correct positions.<br>Refer to "Loading Paper in Tray 5" (P.52). |

| Symptom | Cause | Remedy |
|---|---|---|
| Documents are often jammed. | Are suitable types of documents being used? | Correctly load documents suitable for the document feeder.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | Are you trying to use irregular shaped documents, business cards, transparencies, or thin documents? | |
| | Are you trying to use documents with sticky tags, paper clips or adhesive tape? | Remove sticky tags, paper clips or adhesive tape from the document before copying. |
| | Are the document guides set in the correct positions? | Adjust the document guide positions.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | Is a piece of torn paper remaining in the document feeder? | Open the document feeder cover and check inside.<br>Refer to "Document Jams" (P.556). |
| | Is the [Mixed Size Originals] setting set to [Off] when you copy originals of different sizes? | Set [Mixed Size Originals] to [On].<br>Refer to "3 Copy" > "Layout Adjustment" > "Mixed Size Originals (Scanning Different Size Documents Simultaneously)" in the User Guide. |
| | Is an A5 document loaded in landscape orientation (🗋) on the document feeder when [Mixed Size Originals] is set to [On]? | Load the A5 document in portrait orientation (🗋). |
| An edge of the document is folded. | Is the document curled? | Flatten the curl and load the document again. |
| Cannot copy in color. | Is [Output Color] set to [Black & White]? | Set [Output Color] to [Color].<br>Refer to "3 Copy" > "Copy" > "Output Color (Selecting the Color for Copying)" in the User Guide. |
| | Is a message displayed on the touch screen prompting you to replace the toner cartridge? | Replace the toner cartridge of the color indicated in the message.<br>Refer to "Replacing Toner Cartridges" (P.62). |
| | Is a message displayed on the touch screen prompting you to replace the drum cartridge? | Replace the drum cartridge indicated in the message.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |
| Cannot staple properly | Is staple jam occurred in the staple cartridge? | Remove the staple jammed in the cartridge.<br>Refer to "Stapler Faults" (P.558). |
| | Is the print driver set correctly? | Check the [Staple] setting in [Print Setup] in the print driver when you send a print job from the computer. |

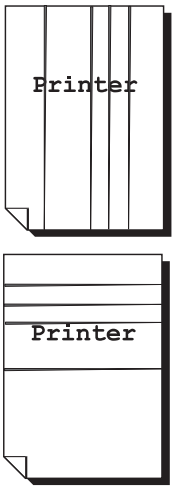
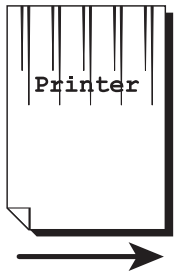
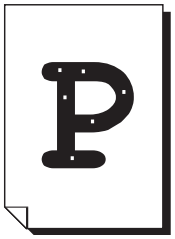
# Image Quality Trouble

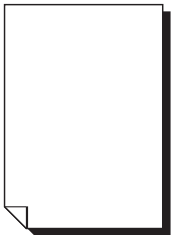
If the image quality of printed documents is poor, identify the symptom in the following table to perform the remedy.

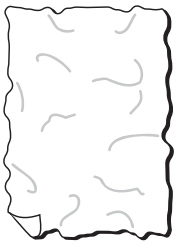
If image quality does not improve even after performing the remedy, contact our Customer Support Center.

| Symptom | Cause | Remedy |
|---|---|---|
| The copy is dirty. | Is the document glass or the document cover dirty? | Clean the document glass and the document cover.<br>Refer to "Cleaning the Document Cover and Document Glass" (P.90). |
| | Is the document a transparent type such as a transparency film? | If the document is transparent, dirt on the document cover will be copied. Place a white sheet of paper on top of the document when copying. |
| | Is the document colored, rough, or a blueprint? | Adjust the copy density or image quality.<br>Refer to "3 Copy" > "Image Quality" in the User Guide. |
| | Is the document glossy printing paper? | Glossy printing paper easily sticks to the document glass, and shadows are sometimes copied, soiling the image. Place a transparency film under the document when copying. |
| The copy has black lines. | Is the constant velocity transport glass on the document feeder dirty? | Clean the constant velocity transport glass.<br>Refer to "Cleaning the White Chute and Constant Velocity Transport Glass" (P.91). |
| The copy is too dark. | Is the copy density set to [Darken]? | Adjust the copy density.<br>Refer to "3 Copy" > "Image Quality" in the User Guide. |
| The copy is too light. | Is the document faint? | |
| | Is the copy density set to [Lighten]? | |
| The copy is slightly misaligned. | Are the paper edges aligned and the leading edge adjusted to the tray corners? | Align the paper edges, adjust them to the tray's top corners, and reload the paper.<br>Refer to "Loading Paper" (P.50). |
| The copy is misaligned or skewed. | Is the document loaded correctly? | Load the document correctly.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | Is the paper loaded correctly in the tray? | Load the paper correctly.<br>Refer to "Loading Paper" (P.50). |
| | Are the paper guides of Tray 5 correctly aligned to the paper? | Load the paper correctly and align the document guides to the document edges.<br>Refer to "Loading Paper in Tray 5" (P.52). |
| | Are the document guides on the document feeder set in the correct positions? | Load the document correctly, and align the document guides to the document edges.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | Is the paper tray inserted correctly? | Firmly push in the tray until it stops to insert it properly.<br>Refer to "Loading Paper" (P.50). |

| Symptom | Cause | Remedy |
|---|---|---|
| Part of the image is missing on the copy. | Is the paper damp? | If the paper is damp, the copy image may be partially missing or unclear. Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | Is folded or wrinkled paper included in the tray? | Remove the unsuitable paper or replace all of the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | Is the document pasted or folded? | The pasted or folded section may not be laying flat on the document glass. Place a stack of white sheets on top of the document to flatten the document against the document glass. |
| The copy has a stripe pattern. | Is the enlargement ratio too large? | Vertical stripes may be printed on the copies depending on the ratio. Adjust the ratio to eliminate the stripes.<br>Refer to "3 Copy" > "Copy" > "Reduce/Enlarge (Making Enlarged/Reduced Copies)" in the User Guide. |
| Color shift of color copies is poor, resulting in unsatisfactory image quality. | Is the color calibration incorrect? | Execute auto calibration.<br>Refer to "Executing Calibration" (P.93). |
| | Is the machine set where it is exposed to direct sunlight? | If the document glass is exposed to strong light when you turn the machine on or cancel the Energy Saver mode, color shift may occur. Close the document cover and turn the machine on, and when the machine becomes ready to copy or print, turn the machine off and then on one more time. |
| Printing is faint. (smudged, unclear)<br> | The paper is damp. | Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | The drum cartridge has deteriorated or is damaged. | Replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |
| | There is no toner left in the toner cartridge. | Replace the toner cartridge with a new one.<br>Refer to "Replacing Toner Cartridges" (P.62). |
| Black dots are printed.<br> | The drum cartridge has deteriorated or is damaged. | Replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |

| Symptom | Cause | Remedy |
|---|---|---|
| Black or colored lines are printed.<br>  | The drum cartridge has deteriorated or is damaged. | Replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |
| | The constant velocity transport glass on the document feeder is dirty. | Clean the constant velocity transport glass.<br>Refer to "Cleaning the White Chute and Constant Velocity Transport Glass" (P.91). |
| Dirt appears at equal intervals.<br>  | The paper path is dirty. | Print a few pages to remove the dirt. |
| | The drum cartridge has deteriorated or is damaged. | Replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |
| White dots appear in black filled areas.<br>  | The paper is unsuitable. | Load suitable paper.<br>Refer to "Loading Paper" (P.50). |
| | The drum cartridge has deteriorated or is damaged. | Replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |

| Symptom | Cause | Remedy |
|---|---|---|
| Printed toner smudges when rubbed with your finger.<br>Toner is not fused.<br>The paper is soiled with toner.<br> | The paper is damp. | Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | The paper is unsuitable. | Load suitable paper.<br>Refer to "Loading Paper" (P.50). |
| The entire paper area is printed black.<br> | The drum cartridge has deteriorated or is damaged. | Replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |
| | High-voltage power supply may have malfunctioned. | Contact our Customer Support Center. |
| Nothing is printed.<br>  | Two or more sheets of paper are being fed simultaneously (double-feed). | Fan the paper well and load it again.<br>Refer to "Loading Paper" (P.50). |
| | No toner remains in the toner cartridge. | Replace the toner cartridge with a new one.<br>Refer to "Replacing Toner Cartridges" (P.62). |
| | Power supply or high-voltage power supply may have malfunctioned. | Contact our Customer Support Center. |
| White areas or white or colored stripes appear.<br> | The machine interior (laser scanners) may be soiled. | Clean the machine interior.<br>Refer to "Cleaning the Interior (Laser Scanners)" (P.88). |
| | The paper is damp. | Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | The paper is unsuitable. | Load suitable paper.<br>Refer to "Loading Paper" (P.50). |

| Symptom | Cause | Remedy |
|---|---|---|
| The entire output is faint.<br> | When Tray 5 is used, the size and type of the loaded paper are different from the settings on the print driver. | Load paper of the correct type and size into Tray 5.<br>Refer to "Loading Paper in Tray 5" (P.52). |
| | Two or more sheets may be fed simultaneously. | Fan the paper well and load it again.<br>Refer to "Loading Paper" (P.50). |
| Paper becomes wrinkled.<br>  | The paper is unsuitable.<br>Paper has been added to the paper loaded.<br>The paper is damp. | Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| Text is blurred.<br> | The paper is unsuitable.<br>Paper has been added to the paper loaded.<br>The paper is damp. | Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| White or color patches appear vertically.<br> | The drum cartridge has deteriorated or is damaged. | Replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67). |
| | No toner remains in the toner cartridge. | Replace the toner cartridge with a new one.<br>Refer to "Replacing Toner Cartridges" (P.62). |
| | The machine interior (laser scanners) may be soiled. | Clean the interior.<br>Refer to "Cleaning the Interior (Laser Scanners)" (P.88). |
| Text or images are printed at an angle.<br> | The paper guides in the paper tray are not set in the correct positions. | Adjust the horizontal and vertical paper guides to the correct positions.<br>Refer to "Loading Paper" (P.50). |

# Trouble during Copying

This section describes how to resolve copy problems.

## Unable to Copy

If you cannot copy a document, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| The document is not correctly fed from the document feeder. | The document is too small. | The minimum size of the document that can be loaded on the document feeder is 88.9 x 98.4 mm.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | The document type is unsuitable. | The document feeder does not feed irregular sized documents, business cards, transparencies, or thin documents.<br>In addition, the document feeder does not feed documents with sticky tags, paper clips, or adhesive tape.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | The document guides are set in incorrect positions. | Adjust the document guides to the document.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | A piece of torn paper remains in the document feeder | Open the document feeder cover, and remove the piece.<br>Refer to "Document Jams" (P.556). |
| | Documents of mixed sizes are loaded. | When loading documents of mixed sizes, be sure to set [Mixed Size Originals] to [On]. Otherwise, a paper jam will occur.<br>Refer to "3 Copy" > "Layout Adjustment" > "Mixed Size Originals (Scanning Different Size Documents Simultaneously)" in the User Guide. |

## The Copy Result is Not What was Expected

If the copy result is not what was expected, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| The copy is dirty. | The document glass or the document cover is soiled. | Clean the document glass or the document cover.<br>Refer to "Cleaning the Document Cover and Document Glass" (P.90). |
| | The document is a transparent type such as a transparency film. | If the document is transparent, dirt on the document cover may be copied. Place a white sheet of paper on top of the document when copying. |
| | The document is colored, rough, or a blueprint. | The paper's background color is copied. Adjust the copy density or image quality, or specify [Suppress Background]. |
| | The document is glossy printing paper. | Glossy printing paper easily sticks to the document glass, and shadows are sometimes copied, soiling the image. Place a transparency film under the document when copying. |
| The copy is too dark or light. | The copy density is set to [Darken] or [Lighten]. | Adjust the copy density.<br>Refer to "3 Copy" > "Image Quality" in the User Guide. |
| | The document density is too light. | Adjust the copy density.<br>Refer to "3 Copy" in the User Guide. |
| | The setting for [Original Type] is inappropriate for the document. | Copy black text. If the printout is too light, select [Text] for [Original Type].<br>Refer to "3 Copy" > "Image Quality" in the User Guide. |
| The color of the document and of the copy differ. | Is the color calibration incorrect? | Execute auto calibration.<br>Refer to "Executing Calibration" (P.93). |
| | The document type selected is not suitable. | Set the suitable value for [Original Type].<br>Refer to "3 Copy" > "Image Quality" > "Original Type (Selecting the Document Type)" in the User Guide. |
| | The image quality selected is unsuitable for the document. | Copy black text. If the printout is too light, select [Text] for [Original Type].<br>Refer to "3 Copy" > "Image Quality" in the User Guide. |
| The copy is slightly misaligned. | Paper is misaligned in the tray. | Align the paper edges, and adjust them to the tray's top corners to reload the paper.<br>Refer to "Loading Paper" (P.50). |

| Symptom | Cause | Remedy |
|---|---|---|
| Part of the image is missing on the copy. | The paper is damp. | If the paper is damp, the copy image may be partially missing or unclear. Replace the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | Folded or wrinkled paper is included in the tray. | Remove the unsuitable paper or replace all of the paper with new one.<br>Refer to "Loading Paper" (P.50). |
| | The document is pasted or folded. | The pasted or folded section may not be laying flat on the document glass. Place a stack of white sheets on top of the document to flatten the document against the document glass. |
| The copy has a stripe pattern. | The document enlargement ratio is too large. | Vertical stripes may be printed on the copies depending on the ratio. Adjust the ratio to eliminate the stripes.<br>Refer to "3 Copy" > "Copy" > "Reduce/Enlarge (Making Enlarged/Reduced Copies)" in the User Guide. |
| The copy is misaligned or skewed. | The document is not loaded correctly. | Load the document correctly.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | The document guides on the document feeder are not set in the correct positions. | Load the document correctly, and align the document guides to the document.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | The paper tray is not inserted correctly. | Firmly push in the tray until it stops to set it properly.<br>Refer to "Loading Paper" (P.50). |
| | The paper guides in Tray 5 are not set in the correct positions. | Load the document correctly, and align the paper guides to the document edges.<br>Refer to "Loading Paper in Tray 5" (P.52). |

| Symptom | Cause | Remedy |
|---|---|---|
| Unable to copy with the specified size. | The document glass or the document cover is dirty. | Clean the document glass or the document cover.<br>Refer to "Cleaning the Document Cover and Document Glass" (P.90). |
| | The document is a transparent type such as a transparency film. | Place a white sheet of paper on top of the document when copying. |
| | The document is misaligned. | Load the document correctly.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | The document guides on the document feeder are not set in the correct positions. | Load the document correctly, and align the document guides to the document.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | The document is a non-standard size. | Specify the document size, and then copy.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| | The document is folded. | Flatten the curl and load the document again.<br>Refer to "3 Copy" > "Copying Procedure" in the User Guide. |
| Unable to copy in color. | [Output Color] is set to [Black & White]. | Set [Output Color] to [Auto Detect] or [Color].<br>Refer to "3 Copy" > "Copy" > "Output Color (Selecting the Color for Copying)" in the User Guide. |
| The document edges are missing on the copy. | The document is larger than the printable area. | Adjust [Reduce/Enlarge] to copy the document smaller. |
| Outputs are not stapled. | The Finisher is not attached. | The Finisher is required to staple. Install the Finisher, or change the print option settings to cancel stapling. |
| | The number of pages to be stapled exceeds the maximum number for stapling. | You cannot staple more than 50 pages. Reduce the number of pages to 50 or fewer. |

# Trouble during Printing

This section describes how to resolve print problems.

## Unable to Print

If you cannot print a document, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| Data remains in the printer icon. | The machine is not powered on. | Switch the main power and power on. |
| | The network cable is disconnected from the computer. | Connect the network cable to the computer. |
| | The network cable is disconnected from the machine. | Connect the network cable to the machine.<br>Refer to "Interface Cables" (P.19). |
| | The print mode is [Off-line] on the machine. | Press the <Machine Status> button to check the [Print Mode] on the [Machine Status] screen. If [Print Mode] is set to [Off-line], select [On-line]. |
| | Is the print driver in the offline mode? | Open the printer icon, and then deselect the offline mode from the Printer menu. |
| | An error occurred in the machine. | Check the error details and take an appropriate action. |
| | The IP address or SMB network path is not correctly set. | Set the correct IP address or SMB network path.<br>Refer to "Printer Environment Settings" (P.299). |
| | The network between the computer and machine is abnormal. | Check with your network administrator. |
| | The port is not enabled. | Enable the port.<br>Refer to "Port Settings" (P.185). |
| | The hard disk space of the machine is insufficient. | Delete unnecessary data such as stored documents (Charge Print, Private Charge Print, and Secure Print) in folders to increase free space. |
| | The machine is connected to multiple computers. | Wait for a while, and then try printing again. |
| The data has been sent to the machine. | The machine is out of paper. | Load paper in the machine. |
| | No paper is loaded for the specified paper size. | Load paper of the size specified.<br>Refer to "Loading Paper" (P.50). |
| | Printing is interrupted by a copy operation. | Cancel the interrupting operation. |
| | An error occurred in the machine. | Check the error details and take an appropriate action. |

## The Print Result is Not What was Expected

If the print result is not what was expected, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| Cannot print in color. | [Output Color] is set to [Black and White]. | Set [Output Color] to [Auto Detect] or [Color]. |
| Outputs are not stapled. | The Finisher is not installed. | The Finisher is required to staple. Install the Finisher, or change the print option settings to cancel stapling. |
| | The number of pages to be stapled exceeds the maximum number for stapling. | You cannot staple more than 50 pages. Reduce the number of pages to 50 or fewer. |
| The 2-sided printing is not available. | The print page buffer is insufficient. | Add memory. |
| The document is printed on a different paper size than specified. | The document size is different from the paper size loaded in the specified tray. | Change the size of paper in the tray, or change the print option to specify a tray that contains the correct sized paper. |
| The image on the document edges is missing on the output. | The image is larger than the printable area. | Expand the printable area of the machine, or reduce the image size on the printout. |
| The printed font differs from the font specified on the computer. | Font replacement is set on the print driver. | Check the font replacement table. |
| The printout is not offset. | The machine does not offer the Offset feature. | To output offset, the Exit Kit (Exit2 + OCT2) or the Finisher is required. |
| Printing is slow. | [High Resolution] is selected for [Image Quality]. | When image data, such as photos, is printed with the high resolution, the print speed becomes slow. Select [Standard] for [Image Quality]. |
| The specified print options are not enabled. | The print driver for another model is used. | Install the print driver for the model. |
| | The required optional kit is not installed on the machine. | Check the optional components installed on the machine, and set [Installable Options] under [Configuration] in the print driver again. |
| The document edges are missing on the printout. | The image is larger than the printable area. | Expand the printable area of the machine, or reduce the image size on the printout. |

| Symptom | Cause | Remedy |
|---|---|---|
| The output color differs between Secure Print and Print Stored File. | This is because the print path is different. The output color of Print Stored File is reproduced by the presence or absence of dots, as with copying or faxing. On the other hand, the output color of Secure Print is reproduced using density by default, as with printing. | To closer match the color of Secure Print and files in folder, select [On] in [Image Options] > [Print Page Mode] on the [Advanced] tab of the print driver settings. |
| The print color differs from before. | The color calibration is incorrect. | Execute auto calibration.<br>Refer to "Executing Calibration" (P.93). |
| Black lines are printed. | A print driver for another machine is used. | Install the print driver for your machine. |

# Trouble during Faxing

This section describes how to resolve fax problems.

**Note**
- For troubles during Internet faxing, refer to "E-mail Features Problems" (P.461).
- The Fax features are not available for some models. An optional component is required. For more information, contact our Customer Support Center.

## Sending Problems

If you cannot send a fax, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| A Transmission Report - Job Undelivered is output. | The fax was not sent because of an error. | Check the Transmission Results in the Transmission Report - Job Undelivered. If an error code is displayed, refer to "Error Code" (P.468). |
| Unable to communicate (general fax) | The phone line is not connected correctly. | The machine is equipped with connectors to which to connect phone lines.<br>Communication is enabled only when the phone line is connected to the correct connector.<br>When the cable connection is correct, the On-hook feature allows you to call via general lines. |
| | The phone dialing method is not available. | Specify the same dialing method as the one (Tone/10pps) subscribed for the machine. |
| | An error occurred with the phone line. | Use a telephone near the machine to check whether you can make a phone call. If the phone call is disabled, the problem is in the phone line, not in the machine. |
| | The destination machine is abnormal. | The data cannot be sent if the machine of the recipient is turned off, is set to "manual" receiving mode, or does not support G3 reception.<br>Call the recipient to confirm the machine condition. |
| | An incorrect fax number is used. | Check the fax number and try sending again. |
| | The number is not for fax number. | If no peep sound is heard from the receiver when you call the number, the number is not for a fax number. |
| | You forgot the external access number. | When calling from an extension line, the external access number is required.<br>When dialing, dial the external access number such as "0", and then dial the fax number.<br>When the switchboard is changed and you cannot send faxes, try the external access number "0*" instead of "0". |

| Symptom | Cause | Remedy |
|---|---|---|
| Unable to communicate (general fax) | When calling from an abbreviated telephone number, an external access number is appended. | When calling from an abbreviated telephone number to an external line, an external access number such as "0" may be registered for the abbreviated telephone number. Confirm the telephone number of the receiver on the Transmission Report - Job Undelivered. |
| | You are using a feature such as the Polling feature that is not supported by the destination fax. | Confirm whether the destination fax supports the feature. |
| | The Authentication/ Accounting feature is being used and the fax is being sent directly from the computer. | When the Authentication/Accounting feature is used and you send a fax directly from the computer, you must set the user ID and passcode registered on the machine to the fax driver.<br>For details on the Authentication/Accounting feature, refer to "Authentication and Accounting Features" (P.383). For details on how to directly send a fax from the computer, refer to "11 Computer Operations" > "Sending Fax" in the User Guide. |
| Unable to communicate (IP fax (SIP)) | The IP address is incorrect. | Set a correct IP address, subnet mask, and gateway address on the machine. |
| | The SIP user name is incorrect. | Set a correct SIP user name in the machine. |
| | The correct IP address of a SIP server is not set in the machine. | Set a correct IP address of the SIP server on the machine. |
| | The specified SIP server in a network is not active. | Consult your network administrator on the SIP server condition. |
| | Registration of the machine information to a SIP server failed. | Turn the machine off and then on. |
| | The IP fax (SIP) machine of the recipient is abnormal. | The data cannot be sent if the IP fax (SIP) machine of the recipient is turned off. Call the recipient to confirm the machine condition. |
| | The method for specifying the recipient is incorrect. | Specify the following recipient information:<br>• Neither a SIP server nor a VoIP gateway is used<br>Specify "SIP user name@IP address" in [Recipient].<br>• Only a SIP server is used<br>Specify [SIP user name] or [telephone number] in [Recipient].<br>• Only VoIP gateway is used<br>Specify [telephone number] in [Recipient].<br>• Both SIP server and VoIP gateway are used<br>Specify [SIP user name] or [telephone number] in [Recipient]. |

| Symptom | Cause | Remedy |
|---|---|---|
| Unable to communicate (IP fax (SIP)) | You are using a feature such as the polling feature that is not supported by the destination fax. | Confirm whether the destination fax supports the feature. |
| | The Authentication/ Accounting feature is being used and the fax is being sent directly from the computer. | When the Authentication/Accounting feature is used and you send a fax directly from the computer, you must set the user ID and passcode registered on the machine to the fax driver.<br>For details on the Authentication/Accounting feature, refer to "Authentication and Accounting Features" (P.383). For details on how to directly send a fax from the computer, refer to "11 Computer Operations" > "Sending Fax" in the User Guide. |
| | IP fax (SIP) is being received. | The number of simultaneous connections for IP fax (SIP) is one. The machine cannot send and receive an IP fax (SIP) at the same time. Wait until the receiving completes, and then try sending again. |
| | The network relay device such as a switch, router, and firewall cannot go through the port of the machine. | Enable the port for IP fax (SIP) of the network relay device. |
| | The IP filter setting of the machine is incorrect. | Add the IP address of the SIP server to the permitted IP address of the machine in the environment where the SIP server is used. Set [IP Filtering] under [Properties] tab > [Security] using CentreWare Internet Services. |
| | The Ethernet cable has been unplugged for more than one minute. | When Register recovery on the SIP server is completed, the registration succeeds. No measure is required. |
| Unable to communicate (IP fax (SIP) via VoIP gateway) | The registration of VoIP is incorrect. | Register the correct VoIP gateway on the machine. |
| | The specified VoIP gateway in a network is not active. | Consult your network administrator on the VoIP gateway condition. |
| | The settings on the VoIP gateway are incorrect. | Consult your network administrator on the VoIP gateway settings. |
| | The destination G3 fax machine is abnormal. | The data cannot be sent if the G3 fax machine of the recipient is turned off.<br>Call the recipient to confirm the machine condition. |

| Symptom | Cause | Remedy |
|---|---|---|
| IP fax (SIP) transmission takes long time. | The priority of the IP packet, which is sent from the machine, on the network relay device (such as a switch and router) is low because the QoS setting of the machine is invalid. | Increase the value for [Prioritize T.38 IP Packets] according to your network environment.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199) |
| | A large amount of communication data loss occurs because the queue (buffer) assigned to each QoS of the network relay device (such as a switch and router) is low. | Set an appropriate parameter on the network relay device for your network environment. |
| | A large amount of communication data loss occurs because the communication rates (10M/ 100M/1000M) differ on two sides of the network relay device (such as a switch and router). | Use the same communication speed within the network. |
| | A large amount of communication data loss occurs because the communication parameters (such as input gain, output attenuation, echo setting) of the VoIP gateway are inappropriate for the network environment. | Set appropriate communication parameters on the VoIP gateway for your environment. |
| | IP fax (SIP) machine is connected to the data network where the telephone and data networks are operated separately. | Configure the QoS setting for the entire network environment and control traffic.<br>Set [Prioritize T.38 IP Packets] for QoS of the machine.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199). |
| Communications other than IP fax (SIP) become slow while IP fax (SIP) transmission is executed. | The priority of IP packet, which is sent from the machine, on the network relay device (such as a switch and router) becomes higher than necessary because the QoS setting of the machine is invalid. Or, large amounts of buffer space is occupied. | Decrease the value for [Prioritize T.38 IP Packets] according to your network environment.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199). |
| | IP fax (SIP) machine is connected to the telephone network where the telephone and data networks are operated separately. | Configure QoS setting for the entire network environment and control traffic.<br>Set [Prioritize T.38 IP Packets] for QoS of the machine.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199). |

| Symptom | Cause | Remedy |
|---|---|---|
| The image quality is poor. | The document glass is dirty. | Clean the document glass.<br>Refer to "Cleaning the Document Cover and Document Glass" (P.90). |
| | The fax density is inappropriate. | Adjust the fax density.<br>Refer to "4 Fax" > "Fax/Internet Fax" in the User Guide. |
| | The sender's machine has a problem. | Confirm with the sender.<br>**Note** • Image quality may be affected by a problem of the sender's machine, not just by a problem of the machine. |

## Receiving Problems

If you cannot receive a fax, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| Unable to communicate (general fax) | The phone line is not connected correctly. | The machine is equipped with connectors to which to connect phone lines. Communication is enabled only when the phone line is connected to the correct connector. When the cable connection is correct, the On-hook feature allows you to call via general lines. |
| | An error occurred with the phone line. | Use a telephone near the machine to check whether you can make a phone call. If the phone call is disabled, the problem is in the phone line, not in the machine. |
| | The machine is turned off. | The machine cannot receive a fax when turned off. Switch the main power and power on. |
| | No paper is set. | Load paper in the machine to receive faxes. |
| | Paper is jammed. | Follow the instructions displayed on the control panel to remove the jammed paper.<br>Refer to "Paper Jams" (P.547). |
| | The machine is in the System Administration mode. | The machine cannot receive a fax in the System Administration mode. Exit the System Administration mode. |
| | A machine password has been set. | When a machine password has been set, the machine accepts only data or polling fax sent with the correct machine password in F code. |
| | The machine is in manual receive mode. | Receive the fax manually, or set [Fax Receiving Mode] to [Auto Receive].<br>Refer to "Fax Receiving Mode" (P.118). |
| | The machine is in manual send mode. | To use Fax information service, set the reception mode to [Manual Send] on the on-hook screen, enter an information code, and press the <Start> button. |
| | The document is not correctly loaded on the sender's machine. | Check with the sender.<br>**Note** • Image quality may be affected by a problem of the sender's machine, not just by a problem of the machine. |

| Symptom | Cause | Remedy |
|---|---|---|
| Unable to communicate (IP fax (SIP)) | The IP address is incorrect. | Set a correct IP address, subnet mask, and gateway address on the machine. |
| | The correct IP address of a SIP server is not set in the machine. | Set a correct IP address of the SIP server in the machine. |
| | The specified SIP server in a network is not active. | Consult your network administrator on the SIP server condition. |
| | Registration of the machine information to a SIP server failed. | Turn the machine off and then on. |
| | The machine is turned off. | The machine cannot receive a fax when turned off. Turn the machine on. |
| | The machine is in the System Administration mode. | The machine cannot receive a fax in the System Administration mode. Exit the System Administration mode. |
| | A wrong machine password has been set. | When a machine password has been set, the machine accepts only data or polling fax sent with the correct machine password in F code. |
| | IP fax (SIP) is being sent. | The number of simultaneous connection for IP fax (SIP) is one. The machine cannot send and receive an IP fax (SIP) at the same time. Wait until the sending completes, and then ask the sender to send again. |
| | The network relay device such as a switch, router, and firewall cannot go through the port of the machine. | Enable the port for IP fax (SIP) of the network relay device. |
| | The IP filter setting of the machine is incorrect. | Add the IP address of the SIP server to the permitted IP address of the machine in the environment where the SIP server is used. Set [IP Filtering] under [Properties] tab > [Security] using CentreWare Internet Services. |
| | The Ethernet cable has been unplugged for more than one minute. | When Register recovery on the SIP server is completed, the registration succeeds. No measure is required. |
| Unable to communicate (IP fax (SIP) via a VoIP gateway) | The registration of VoIP is incorrect. | Register the correct VoIP gateway on the machine. |
| | The specified VoIP gateway in a network is not active. | Consult your network administrator on the VoIP gateway condition. |
| | The settings on the VoIP gateway are incorrect. | Consult your network administrator on the VoIP gateway settings. |

| Symptom | Cause | Remedy |
|---|---|---|
| IP fax (SIP) transmission takes long time. | The priority of the IP packet, which is sent from the machine, on the network relay device (such as a switch and router) is low because the QoS setting of the machine is invalid. | Increase the value for [Prioritize T.38 IP Packets] according to your network environment.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199) |
| | A large amount of communication data loss occurs because the queue (buffer) assigned to each QoS of the network relay device (such as a switch and router) is low. | Set an appropriate parameter on the network relay device for your network environment. |
| | A large amount of communication data loss occurs because the communication rates (10M/ 100M/1000M) differ on two sides of the network relay device (such as a switch and router). | Use the same communication speed within the network. |
| | A large amount of communication data loss occurs because the communication parameters (such as input gain, output attenuation, echo setting) of the VoIP gateway are inappropriate for the network environment. | Set appropriate communication parameters on the VoIP gateway for your environment. |
| | IP fax (SIP) machine is connected to the data network where the telephone and data networks are operated separately. | Configure the QoS setting for the entire network environment and control traffic.<br>Set [Prioritize T.38 IP Packets] for QoS of the machine.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199) |
| Communications other than IP fax (SIP) become slow while IP fax (SIP) transmission is executed. | The priority of IP packet, which is sent from the machine, on the network relay device (such as a switch and router) becomes higher than necessary because the QoS setting of the machine is invalid.<br>Or, large amounts of buffer space is occupied. | Decrease the value for [Prioritize T.38 IP Packets] according to your network environment.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199) |
| | IP fax (SIP) machine is connected to the telephone network where the telephone and data networks are operated separately | Configure QoS setting for the entire network environment and control traffic.<br>Set [Prioritize T.38 IP Packets] for QoS of the machine.<br>For more information on [Prioritize T.38 IP Packets], refer to "Prioritize T.38 IP Packets" (P.199) |

<table>
<tr><th>Symptom</th><th>Cause</th><th>Remedy</th></tr>
<tr><td rowspan="3">The image quality is poor.</td><td>The drum cartridge is damaged.</td><td>Copy a document. If the image quality is poor, replace the drum cartridge with a new one.<br>Refer to "Replacing Drum Cartridges R1, R2, R3, or R4" (P.67).</td></tr>
<tr><td>The document glass of the sender's machine is dirty.</td><td>Check with the sender.<br>Note • Image quality may be affected by a problem of the sender's machine, not just by a problem of the machine.</td></tr>
<tr><td>The resolution setting on the sender's machine is too low.</td><td>Check with the sender.<br>Note • Image quality may be affected by a problem of the sender's machine, not just by a problem of the machine.</td></tr>
<tr><td>The one-page document is received split into multiple pages.</td><td>When scanned on the sender's machine, the document was enlarged for some reason.</td><td>You can set the machine to process such a document by using the Auto Reduce on Receipt feature and a border limit value for page splitting. According to the setting combination specified, the received document is printed as follows:<br><table><tr><th>Auto Reduce on Receipt / Page Split Border Limit</th><th>Auto Reduce on Receipt ON</th><th>Auto Reduce on Receipt OFF</th></tr><tr><td>Within border limit</td><td>Automatically reduces image size and prints it on one page.</td><td>Trims the portion exceeding standard size and then prints.</td></tr><tr><td>Exceeding border limit</td><td>Splits data at equal ratio and prints.</td><td>-</td></tr></table>Refer to "Border Limit" (P.230), or "Auto Reduce On Receipt" (P.231).</td></tr>
<tr><td>Although the Folder Selector feature is set, however, the received document is printed, and cannot be stored in the folder.</td><td>An unregistered folder is specified on the Folder Selector feature.</td><td>When using the Folder Selector feature, specify a registered folder. If an unregistered folder is selected, the received document cannot be stored in the folder, and will be automatically printed.<br>For information on how to register the folder, refer to "Create Folder" (P.250). For information on the setting of the Folder Selector, refer to "Fax Received Options" (P.233).</td></tr>
</table>

# Trouble during Scanning

This section describes how to resolve scan problems.

**Note** • The Scan features are not available for some models. An optional component is required. For more information, contact our Customer Support Center.

## Unable to Scan with the Machine

If you cannot scan with the machine, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| The document is not correctly fed from the document feeder. | The document is too small. | The minimum size of the document that can be loaded on the document feeder is 88.9 x 98.4 mm.<br>Refer to "5 Scan" > "Scanning Procedure" in the User Guide. |
| | The document type is unsuitable. | The document feeder does not feed irregular sized documents, business cards, transparencies, or thin documents.<br>In addition, the document feeder does not feed documents with sticky tags, paper clips, or adhesive tape.<br>Refer to "5 Scan" > "Scanning Procedure" in the User Guide. |
| | The document guides are set in incorrect positions. | Adjust the document guides to the document.<br>Refer to "5 Scan" > "Scanning Procedure" in the User Guide. |
| | A piece of torn paper remains in the document feeder. | Open the document feeder cover, and remove the piece.<br>Refer to "Document Jams" (P.556). |
| | Documents of mixed sizes are loaded. | When loading documents of mixed sizes, be sure to set [Mixed Size Originals] to [On]. Otherwise, a paper jam will occur.<br>Refer to "5 Scan" > "Layout Adjustment" in the User Guide. |

## Unable to Import Scanned Documents to the Computer

If you cannot import scanned documents to the computer, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| Unable to find the scanner. | The machine is not turned on. | Switch the main power and power on. |
| | The network cable is disconnected from the computer. | Connect the network cable to the computer. |
| | The network cable is disconnected from the machine. | Connect the network cable to the machine.<br>Refer to "Interface Cables" (P.19). |
| | The network between the computer and machine is abnormal. | Check with your network administrator. |
| Unable to open a folder. | The folder is unregistered. | Register the folder.<br>Refer to "Create Folder" (P.250). |
| | The folder passcode has been forgotten. | The passcode cannot be retrieved. Set the passcode to [Off], and then set the passcode again.<br>Refer to "Create Folder" (P.250). |
| Unable to import data from the scanner because of a TWAIN transmission error. | The scan driver is not installed. | Install the scan driver. |
| Operation terminates during scanning. | The file size is too large. | Lower the resolution, and import again.<br>Refer to "5 Scan" > "Layout Adjustment" in the User Guide. |

## Unable to Send a Scanned Document over the Network (FTP/SMB)

If you cannot send a scanned document over the network, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| A Transmission Report - Job Undelivered is output. | Unable to transmit because of the error. | Check the Transmission Results in the Transmission Report - Job Undelivered. If an error code is displayed, refer to "Error Code" (P.468). |
| Unable to send data over the network. | The server is not correctly specified. | Correctly specify the server. |
| | The save destination is not correctly specified. | Correctly specify the save destination. |
| | When SMB is selected, the shared name is not correctly specified. | Correctly specify the shared name. |
| | When SMB (UNC Format) is selected, the save destination is not correctly specified. | Correctly specify the save destination. |
| | The login name is not entered correctly. | Correctly enter the login name. |
| | The password is not correctly entered. | Correctly enter the password. |
| | The time set on the machine does not agree with that of Windows, when SMB transmission is performed to Windows Server 2003 or Windows Server 2008. | Synchronize the time settings of the machine and Windows. |
| | On Windows Server 2003, Windows Server 2008, or Windows XP, users who do not set a password cannot use SMB transmission. | Follow the steps below to change the settings of network access:<br>1. Start Windows, and select [Control Panel] > [Administrative Tools] > [Local Security Policy].<br>2. Select [Security Settings] > [Local Policies] > [Security Options].<br>3. Change [Account: Limit local account use of blank passwords to console logon only] to [Disabled]. |
| | Is the root of the DFS name space (\\Domain name\Shared name) specified with more than three characters. | Specify a DFS name space with a root comprised of less than four characters. |

## Unable to Send E-mail

If you cannot send a scanned document using the E-mail feature, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| A Transmission Report - Job Undelivered is output. | Unable to transmit because of an error. | Check the Transmission Results in the Transmission Report - Job Undelivered. If the error code is displayed, refer to "Error Code" (P.468). |
| Unable to send e-mail. | The mail address is incorrect. | Enter the correct mail address. |
| | The data size exceeded the maximum e-mail size. | Change the maximum e-mail size, or lower the resolution.<br>Refer to "Maximum Total Data Size" (P.240), or "5 Scan" > "Layout Adjustment" in the User Guide. |

## The Image is not What was Expected

If the image is not what was expected, identify the symptom in the following table to perform the remedy.

| Symptom | Cause | Remedy |
|---|---|---|
| The image is dirty. | The document glass or the document cover is soiled. | Clean the document glass or the document cover.<br>Refer to "Cleaning the Document Cover and Document Glass" (P.90). |
| | The document is a transparent type such as a transparency film. | If the document is transparent, dirt on the document cover may be copied on the image. Place a white sheet of paper on top of the document when scanning. |
| | The document is colored, rough, or a blueprint. | Adjust the copy density or image quality when scanning. |
| | The document is glossy printing paper. | Glossy printing paper easily sticks to the document glass, and shadows are sometimes scanned, soiling the image. Place a transparency film under the document when scanning. |
| The image is too dark, or too light. | The scan density is set to [Darken] or [Lighten]. | Adjust the scan density.<br>Refer to "5 Scan" > "Advanced Settings" in the User Guide. |
| | The setting for [Original Type] is inappropriate for the document. | Select an image quality appropriate for the document.<br>Refer to "5 Scan" > "Advanced Settings" in the User Guide. |
| Part of the image is missing. | The document is pasted or folded. | The pasted or folded section may not be laying flat on the document glass. Place a stack of white sheets on top of the document to flatten the document against the document glass. |

| Symptom | Cause | Remedy |
|---|---|---|
| The image is not the desired size. | The document glass or the document cover is dirty. | Clean the document glass or the document cover.<br>Refer to "Cleaning the Document Cover and Document Glass" (P.90). |
| | The document is a transparent type such as a transparency film. | Place a white sheet of paper on top of the document when scanning. |
| | The document is misaligned. | Load the document correctly.<br>Refer to "5 Scan" > "Scanning Procedure" in the User Guide. |
| | The document guides on the document feeder are not set in the correct positions. | Load the document correctly, and align the document guides to the document.<br>Refer to "5 Scan" > "Scanning Procedure" in the User Guide. |
| | The document is a non-standard size. | Specify the document size.<br>Refer to "5 Scan" > "Scanning Procedure" in the User Guide. |
| | The document is folded. | Flatten the curl and load the document again.<br>Refer to "5 Scan" > "Scanning Procedure" in the User Guide. |
| The image is not scanned in color. | [Color Scanning] is set to [Black & White], or [Grayscale]. | Set [Color Scanning] to [Color].<br>Refer to "5 Scan" > "E-mail" in the User Guide. |
| The image is coarse. | The resolution is too low. | Set the resolution higher.<br>Refer to "5 Scan" > "Layout Adjustment" in the User Guide. |
| | Image is saved with high compression. | Select a lower compression ratio in [Quality/File Size].<br>Refer to "5 Scan" > "E-mail Options/Filing Options" in the User Guide. |
| Black-and-white gradation is not reproduced properly. | [Black & White] is selected for [Color Scanning]. | Set [Color Scanning] to [Grayscale].<br>Refer to "5 Scan" > "E-mail" in the User Guide. |

# Network-related Problems

This section describes how to resolve network related problems.

## When using SMB

When SMB is used, identify the symptom in the following table to perform the remedy.

### When you cannot communicate with the machine

| Cause | Check point | Remedy |
|---|---|---|
| The computer and the machine are using different protocols. | Although [Search for Other Computers] ([Start] > [Search] > [Other Computers]) on the computer is displaying the machine, [Network Computer] does not display the machine. | Configure the machine and each computer to use the same SMB operational protocol. |
| The machine belongs to different network (subnet). | Although [Search for Other Computers] ([Start] > [Search] > [Other Computers]) on the computer is displaying the machine, [Network Computer] does not display the machine. | If the machine and the computers are set to different networks, consult your network administrator. |
| The host name specified for the machine is already in use. | Print out Configuration Report to confirm whether “Repetitive Host Name” is printed in the SMB status information. | Use CentreWare Internet Services to change the host name to a unique name, or restore the machine settings to the default settings. |

### When you cannot communicate with the machine or other SMB machines

| Cause | Check point | Remedy |
|---|---|---|
| If [Auto Master Mode] of SMB is set to [On], the number of machines whose information can be stored is limited. The number depends on the network environment. | The machine or other SMB machines cannot be searched from the Network Computers icon. | Confirm the setting of [Auto Master Mode] of SMB. If the setting is enabled, change it to [Off]. |

### When you cannot print

| Cause | Check point | Remedy |
|---|---|---|
| The machine is processing a print job from a different computer.<br>(When [SMB (Spool)] is set to [Off]) | Confirm whether the machine is processing a print job. (A write error dialog is displayed to indicate that there is no room to store your print job.) | Wait until the machine completes processing the print job, or change the machine setting to [Spool] mode. |

| Cause | Check point | Remedy |
|---|---|---|
| The connections to the machine exceeded the maximum number allowed. | Confirm whether the machine is processing simultaneous requests (print requests, status queries, etc.) from multiple computers. (A write error dialog is displayed to indicate that no more remote computers can be connected.) | Wait for a while and try printing again. |

### When you cannot delete documents from the [Print] window

| Cause | Check point | Remedy |
|---|---|---|
| You are trying to delete all print data displayed in the [Print] window. (Only the system administrator is allowed to delete all data.) | Confirm whether you are trying to delete the print data from the [Print] menu. ([Cancel All Documents] menu.) | Select the print data to delete, and delete from the [Document] menu in the [Print] window. (Select [Cancel].) |
| The print data has a different owner. | Confirm whether the name displayed as the owner for the selected print data and the user's login name to Windows are the same. | Login to Windows using the name displayed as the owner of the print data, and then delete the print data. |

### Others

| Symptom | Remedy |
|---|---|
| The message "Unknown document name" is displayed for the job name in the job history instead of the correct job name. | Change the setting of the SMB receiving buffer to [Hard Disk Spool] or [Memory Spool]. |

## When using NetWare

The possible causes, check points, and remedies for problems when using NetWare are as follows:

### When you cannot print

| Cause | Check point | Remedy |
|---|---|---|
| Network equipment, such as hubs, does not support automatic frame type detection. | Confirm whether the data link indicator of the network equipment port to which the machine is connected is lit. Confirm whether the frame types used by the file servers on the network are standardized. | Specify the frame type set on the connected file server as the frame type for the machine. |
| A problem occurred on the network between the computer and the machine. | Use NWADMIN on the computer to confirm whether the machine object can be browsed.* | Replace the faulty network cable connected between the computer and the machine. |
| Job sender (user or group name) is not specified in [User] for the print queue. | Use NWADMIN from a computer to confirm whether the print queue object's [User] information lists the job sender (user or group name).* | Re-send the print data to the print queue for which the job sender (user or group name) is registered as the [User]. |
| | | Use NWADMIN from a computer to register job sender (user or group name) to [User] of [Print Queue].* |
| Job transmission to the print queue is prohibited. | Use PCONSOLE to confirm whether [User can register to the queue] is set to [Yes] under [Current Queue Status] of [Print Queue]. | Use PCONSOLE to set the item to [Yes]. |
| | Use NWADMIN on the computer to confirm whether the operator flag is being confirmed with [Recognition] of the print queue.* | Use NWADMIN on a computer to confirm whether each item of the operator flag is being confirmed with [Recognition] of the print queue.* |
| Job sender (user or group name) is not specified in the user setting for the print server. | Use NWADMIN from a computer to confirm that the print server's [User] information lists the job sender (user or group name).* | Re-send the print data to the print queue whose [User] of [Print Server Information] includes the job sender (user or group name). |
| | | Use NWADMIN from a computer to register job sender (user or group name) to [User] information of the print server.* |
| The print queue where the user has transmitted the print data, is not assigned to the machine. | Use NWADMIN from a computer to check the print queue's [Assignment] whether the machine is assigned in the printer list serviced by the print queue.* | Re-send the print data to the print queue which is assigned to the machine.* |
| | | Use NWADMIN from a computer to add the print queue to the machine.* |

| Cause | Check point | Remedy |
|---|---|---|
| Print data format and the print environment settings on the computer do not match. | - | If the computer is running on Windows, set it not to output <Ctrl>-D. |
| The number of print queues set for the machine exceeds the maximum number allowed. | Use NWADMIN from a computer to check on the print queue list of [Assignment] for the machine whether the desired print queue is assigned.* | Re-send the print data to the print queue which is assigned to the machine.* |
| The slave file server is not configured. ([Bindery Service] mode) | Use PCONSOLE from a computer to confirm whether the slave file server is registered to [Service NetWare Server] on the print server indicated by [Print Server Information].* | Use PCONSOLE from computer to register the slave file server and reflect the configured settings.* |
| Printer type do not match | Use PCONSOLE from a computer to confirm whether the printer type is set to parallel, the port is set to LPT1, and the location is set to automatic mode (local), under [Print Server Information] > [Printer] > [Printer xxx Environment Configuration].* | Use PCONSOLE from computer to set the printer type to parallel, the port to LPT1, and the location to automatic mode (local), and then reflect the configured settings. |
| The slave file server configuration is mismatched. ([Bindery Service] mode) | Use PCONSOLE from a computer to confirm whether the printer type is set to [Defined Elsewhere] under [Print Server Information] > [Printer] > [Printer xxx Environment Settings].* | If the printer type is not set to [Defined Elsewhere], change it to [Defined Elsewhere], and then reflect the configured settings.* |
| The form number on the print data and the form number set to the printer do not match. | Use NWADMIN on a computer to select the machine and confirm whether the start number of the form in the environment settings matches the number in the print data.* | Use NWADMIN from a computer to match the [Start Form] number in the machine's environment settings to the number in the print data.* |
| The level settings for the IPX checksum do not match. | Use the set command from the console screen on the file server to confirm whether the IPX checksum is set to level 2. | Enter the following command from the console screen on the file server to set the IPX checksum to either level 0 or level 1.<br>set Enable IPX Checksum=x (x = 0 or 1) |
| The level settings for the NCP packet signature do not match. | Use the set command from the console screen on the file server to confirm whether the NCP packet signature is set to level 3. | Enter the following command from the console screen on the file server to set the NCP packet signature to either level 0, 1, or 2, and restart the file server. set NCP Packet Signature Option=x (x = 0, 1, or 2) |

| Cause | Check point | Remedy |
|---|---|---|
| The default device name is incorrect. | Print the Configuration Report to confirm the last 6 digits (3 bytes) of the Ethernet address. | Set the device name using the correct Ethernet address. |
| | | Set a device name differing from the default name. |
| The directory tree name is not configured. | Print Configuration Report to confirm whether the tree name is specified. | Set the tree name. |
| The context is not set. | Print Configuration Report to confirm whether the context is specified. | Set the context. |
| Connected to a different printer object. | Use NWADMIN from a computer to confirm, on the layout information of the print server, whether the correct object is assigned.* | Use the Driver CD Kit from a computer to correctly set the file server name/tree name/ context/active mode. |
| | | Use CentreWare Internet Services from a computer to correctly set the file server name/tree name/context/ active mode. |
| The NetWare port on the machine is not activated. | Print Configuration Report to confirm whether the NetWare port is activated. | Select the [Enabled] check box of [NetWare] to activate the port. |
| The file server is down. | Search for the file server on [Network Neighborhood]. | Start the file server. |
| There is another device on the network with an identical device name. | Turn off the machine and use NWADMIN from a computer to confirm whether the status of the relevant printer object is “Standby”. | Use the Driver CD Kit from a computer to set a different device name. |
| The NetWare port is not activated. | Print Configuration Report to confirm whether the network number is “0000000” (NetWare server is down), if using IPX/SPX. If using TCP/IP, confirm whether the IP address is “0.0.0.0” (static address unspecified, or the DHCP server is down). | In the case of IPX/SPX, start the NetWare server. In the case of TCP/IP, either set a static IP address or start the DHCP server. |

* : For more information on configuration and operations, refer to NetWare Online Documentation.

### When "Switch the machine off" is displayed

| Cause | Check point | Remedy |
|---|---|---|
| A NetWare problem occurred. | - | Restart the machine. Wait until the screen completely goes out to switch on the machine power. |

### When print result is not what was expected

| Cause | Check point | Remedy |
|---|---|---|
| The printer language of the print data and the printer language configured on the machine are different. | Confirm the printer language on the machine. | Match the printer language of the print data and the printer language configured on the machine. |

### When no notification is received

The possible causes, check points, and remedies when a computer that instructed a print job does not receive notification are as follows:

**■ When the printing problems are not notified**

| Cause | Check point | Remedy |
|---|---|---|
| The user is not listed on the print server notification recipient list. | Use PCONSOLE on the computer to confirm whether the job user or user's group is registered under [Print Server Information] > [Printer] > [Printer xxx Environment Settings] > [Notify]. | Add the name of the job user or the name of the user's group to [Notify]. |

**■ When the completion of the job is not notified**

| Cause | Check point | Remedy |
|---|---|---|
| The [Notify] option was not specified when the computer transmitted the print data. | Confirm whether the [Notify] option is specified when transmitting the print data. | Specify the [Notify] option when transmitting the print data. |
| Netware command [CASTOFF] has been executed on the computer. | - | Execute the NetWare command [CASTON] on the computer. |

## When using TCP/IP

The possible causes, check points, and remedies when using TCP/IP (LPD) are as follows:

### Windows 2000, Windows XP, Windows Vista, Windows 7, Windows Server 2003, Windows Server 2008, or Windows Server 2008 R2

**■ When you cannot print**

| Cause | Check point | Remedy |
|---|---|---|
| The IP address is incorrect. | Request your network administrator to check the machine's IP address. | Set a correct IP address on the machine. |

| Cause | Check point | Remedy |
|---|---|---|
| The volume of the print data sent in an instruction from a computer exceeded the maximum receivable volume when the LPD spool is set to memory spool. | Confirm the memory amount for the LPD spool and the volume of the print data transmitted by an instruction. | If the one file of print data exceeds the memory amount, divide the file not to exceed the amount. |
| | | If the print data is divided into multiple files and exceeds the memory amount, decrease the number of files not to exceed the amount. |
| An unrecoverable error occurred during the printing process. | Confirm whether any error messages are displayed on the control panel. | Restart the machine. Wait until the screen completely goes out to switch on the machine power. |
| The machine is not set to the transport protocol corresponding to the computer. | Confirm the transport protocol selected on the machine. | Select the transport protocol corresponding to the computer. |
| The machine is trying to process a data format that does not match the data format of the print data transmitted from a computer. | - | Set not to output Ctrl-D. |

**■ When print result is not what was expected**

| Cause | Check point | Remedy |
|---|---|---|
| Selected printer language on the machine does not match the printer language of the print data. | Confirm the selected printer language on the machine and the printer language of the print data. | Select the printer language on the machine to match the print data. |
| The computer is not using the print driver supplied with the machine (is using another company's print driver). | Confirm whether the print driver on the computer is the one supplied with the machine. | On the computer, select the print driver supplied with the machine. If the print driver is not listed for selection, install the print driver and then select it. Operation is not guaranteed if another company's print driver is used. |

## Mac OS X 10.3.9 - 10.4.11/10.5/10.6/10.7

**■ When you cannot print**

| Cause | Check point | Remedy |
|---|---|---|
| The LPD port is not activated. | Confirm whether the LPD port is activated. | When printing with a printer detected by using Bonjour, Select the [Enabled] check box of [LPD] to activate the port. |

## When using EtherTalk

The possible symptoms, causes, and remedies for problems when using EtherTalk are as follows:

| Symptom | Cause | Remedy |
|---|---|---|
| Documents are printed by a machine that is not selected. | If a machine assigned the same printer name already existed on the network, the printer names is automatically changed when starting the machine. Therefore, depending on the timing of starting the printer, the machine may be started with a different name, and documents are printed by a machine other than the one selected. | A machine that is assigned the same printer name may exist on the network. Confirm the printer name, and change the name if it is duplicated. |
| The printer cannot be browsed from clients. | If the machine is turned on before it is connected to a network, clients may not be able to identify the printer name and therefore cannot browse the printer. | Turn the machine on after connecting to the network. If the machine is turned on while disconnected from the network, turn the machine off, connect it to the network, and then turn the machine on again. |

## CentreWare Internet Services Problems

The possible symptoms and remedies for problems when using CentreWare Internet Services are as follows:

| Symptom | Remedy |
|---|---|
| Cannot connect to CentreWare Internet Services. | Is the machine working properly?<br>Check whether the machine is turned on. |
| | Is Internet Services (HTTP) port activated?<br>Print Configuration Report to confirm. |
| | Is the Internet address correctly entered?<br>Confirm the Internet address again. If the problem persists, enter an IP address to connect to CentreWare Internet Services. |
| | Is a proxy server being used?<br>Depending on the proxy server, connections may not be possible. Set the browser to [Not using proxy server] or set that particular address to [Not using a proxy server]. |
| The [Please wait] message is continuously displayed. | Wait for a while as instructed.<br>If the status does not change, click the [Refresh] button.<br>If this does not impart any effect, confirm whether the machine is operating correctly. |
| The [Refresh] button is not functioning. | Are you using a specified browser?<br>Refer to "Installation of CentreWare Internet Services" (P.292) to confirm whether your browser is supported. |
| Selecting the menu on the left frame does not update the right frame contents. | |
| The screen display is distorted. | Change the window size for the browser. |
| The latest information is not displayed. | Click the [Refresh] button. |
| Characters are not correctly displayed. | Use Western European language command. |
| Pressing [Apply] does not apply the new settings. | Are the entered values correct?<br>If a value outside of the permitted range is entered, the update will automatically be made within the range. |
| | This may occur when the control panel is being operated or the operation has just been completed.<br>When the automatic reset function is set, any setting configure with CentreWare Internet Services is not applied until setting the time set for automatic reset. Wait until then. |
| When you click [Apply], a message such as “The server has returned ineffective or unrecognizable response” or “No data” is displayed on the browser. | Is the password correct?<br>The entries for Password and Confirm Password do not match. Enter the correct password. |
| | Restart the machine. |
| Cannot delete jobs. | Wait for a while, and click [Refresh]. |

## E-mail Features Problems

The possible symptoms and remedies for problems when using E-mail Notification Service, the Print E-mail feature, the E-mail service, and Internet Fax service as follows:

| Symptom | Remedy |
|---|---|
| Cannot receive e-mail (Print E-mail, Internet Fax). | Is the e-mail address for the machine configured? |
| | Is [Receive E-mail] set to [Enabled]? |
| | Are settings such as the IP addresses for the SMTP server and POP3 server (if POP3 is selected as the incoming mail protocol) configured correctly? |
| | Are the POP3 user name and password entered correctly? |
| | Is [Domain Filtering] set?<br>Confirm whether your own domain is set to [Allow Domains], on CentreWare Internet Services. |
| | Are the SMTP server and/or POP server operating properly?<br>Consult your network administrator. |
| Cannot transmit e-mail (E-mail Notification Service Internet Fax, and E-mail). | Is the E-mail address for the machine configured? |
| | Is [E-mail Notification Service] set to [Enabled]? (For E-mail Notification Service) |
| | Is [Send E-mail] set to [Enabled]? |
| | Is the IP address for the SMTP server configured correctly? |
| | Are the settings for notification of transmission configured correctly? (for E-mail Notification Service)<br>Confirm the settings on the [Properties] tab of CentreWare Internet Services. |
| | Is the destination address entered correctly? |
| | Is the SMTP server operating properly?<br>Consult your network administrator. |

## Internet/Intranet Connection Problems

The possible causes and remedies for problems when connecting to the Internet or intranet are as follows:

### When connection to the Internet/Intranet fails

| Cause | Remedy |
|---|---|
| The Authentication feature used on the remote server is not supported by the machine. | Only Basic Authentication is supported by the machine. The machine does not support NTLM/digest.<br>For security purposes, change to the Authentication feature using SSL. |
| The remote linkage services used does not support the model or accessories of the machine. | Purchase products/models/accessories supported by the remote linkage services. |
| The IP address is incorrect. | Confirm the IP address. If the IP address is incorrect, either set a static IP address or resolve the IP address using DHCP or Autonet. |
| The IP gateway address is incorrect. | Set the correct IP gateway address when connecting to the proxy server, or to a Web server via the IP gateway. |
| The subnet mask is incorrect. | Set the correct subnet mask corresponding to your environment. |
| The DNS server address is incorrect. | Confirm the DNS server address. |
| The DNS server selected cannot resolve the address. | Select a DNS server that can resolve the address.<br>• When connecting via the proxy server<br>Set the IP address of a DNS server that can resolve the address of the proxy server.<br>• When not connecting via the proxy server<br>Set the IP address of a DNS server that can resolve the destination address. |
| The address of the address that does not use a proxy server is incorrect. | Confirm whether only addresses that do not use a proxy server are set. Even if addresses not through a proxy server are specified using the FQDN, if a server is directly accessed using its IP address, the registered server is not excluded. Set the address not to use a proxy server.<br>Likewise, even if you directly specify an address that does not use a proxy server, if a server is accessed with the FQDN, the registered server is not excluded. Set an IP address with the FQDN not to use a proxy server. |
| The desired server, or the proxy server is down. | Confirm whether the desired server or the proxy server is operating correctly. |
| The network cable is not connected, or broken. | Confirm whether the network cable is correctly connected. We recommend using a spanning-tree configuration, with which network disconnection rarely occurs. |
| Cannot communicate because of overloading of the server application. | Wait for a while and try accessing again. |
| An error occurs that is not displayed on the control panel. | Even though an error occurs during background processing, no message appears on the control panel. Display the [Job Status] screen or print the Job History Report to confirm the result. |

| Cause | Remedy |
|---|---|
| Cannot access the proxy server, firewall, or Web server as a result of access control. | The following types of access control are used. Confirm the configured access control.<br>• Address (port) restriction<br>• SSL restriction<br>• User access restriction (including access right levels)<br>• Content block<br>• Scheme restriction (cannot use HTTP etc.)<br>• Transfer data size restriction<br>• Method restriction (cannot use POST etc.)<br>• HTTP header restriction (only accepting specified browsers etc.)<br>• Time restriction (only available during a specific period of time etc.) |

### When connection to a desired Web server fails

| Cause | Remedy |
|---|---|
| The setting to use the proxy server is not configured. | In the environment using the proxy server, you must configure the machine to use the proxy server to connect to a desired Web server. Make sure that you configure the settings to use the proxy server. |
| The setting to use a proxy server is configured even though the environment does not use a proxy server. | In an environment that does not use a proxy server, such as when connecting to an intranet, do not make the settings to use the proxy server. |
| The proxy server address is incorrect. | When the settings to use a proxy server are configured, you cannot connect to a desired Web server only if the IP address of the proxy server is correct. Set the correct IP address of the proxy server. |
| When the proxy server access requires authentication, you cannot connect to the server because the user name or password is incorrect. | Set the user name and password on the machine that allow connection to the proxy server. |

## IPv4 and IPv6 Connection Problems

The possible causes and remedies for problems when using an IPv4 or IPv6 address are as follows:

### Unable to connect using an IPv4 address

| Symptom | Remedy |
|---|---|
| When 0 (zero) is prepended to the head of a value for the IPv4 address (for example: 124.249.010.033), connection fails. | Do not prepend 0 (zero) to each value of an IPv4 address. |

### Unable to connect using an IPv6 address

| Symptom | Remedy |
|---|---|
| You cannot connect to the machine with the link-local address. | When you specify the machine's link-local address, a scope ID must be appended to the address.<br>For example, when you use Internet Explorer 7 on Windows Vista to access the address "fe80::203:baff:fe48:9010", you must append the Ethernet adapter local area connection number (for example, 8) for Windows Vista to the address as follows: fe80::203:baff:fe48:9010%8 |
| The machine cannot connect to a computer running Windows OS that supports IPv6. | Assign a static IPv6 address to the computer running Windows OS that supports IPv6.<br>Then, register the IPv6 address on the machine as host address to allow communication. |
| A device outside the router cannot be searched. | When searching for a device outside the router via SMB, directly specify the address. Multicasting is supported only within a local link (FF02::1). |
| When SSL is enabled on CentreWare Internet Services, even if you specify "http://[IPv6 address]", you are not redirected to "https://[IPv6 address]". | When SSL is enabled, directly specify "https://[IPv6 address]". |

### Unable to print using an IPv6 address

| Symptom | Remedy |
|---|---|
| On an IPv6 network without a DNS server, a computer running Windows OS that supports IPv6 cannot be connected to a Windows shared printer. | Register the computer name of the machine on the "hosts" file stored on the computer running Windows OS that supports IPv6.<br>For example, register in the following file:<br>C:\Windows\system32\driver\etc\hosts |
| IPv6 communication cannot be established with NetWare. | NetWare does not support IPv6 communication. Use IPv4 for NetWare. |

### Unable to scan using an IPv6 address

| Symptom | Remedy |
|---|---|
| When the machine is configured with only a link-local address, file transfer fails. | Assign a global address to the machine. |
| When you specify the computer name on a storage destination server of the Scan to PC (SMB) service in an IPv6 environment without a DNS server, scan data cannot be transferred. | Scan data cannot be transferred with SMB if a destination server is specified using the computer name. Use the IPv6 format to specify the server. |

| Symptom | Remedy |
|---|---|
| The machine does not operate correctly if the Internet Fax direct destination is specified in IPv6 address literal format. Example: csw@[ipv6:2001:db8::1] | In IPv6 environment, use a DNS server and specify a destination using a fully qualified domain name (FQDN). |
| The machine does not operate correctly if the mail address for the E-mail service is specified in IPv6 address literal format. Example: csw@[ipv6:2001:db8::1] | In an IPv6 environment, use a DNS server and specify an e-mail address using the FQDN. |

### Other problems on IPv6 addresses

| Symptom | Remedy |
|---|---|
| Unable to search devices with IPv6 addresses in UPnP. | In an IPv6 environment, use Function Discovery of WSD. |
| In an IPv6 network with no DNS server installed, authentication fails if an SMB authentication server is specified using the computer name. | Directly specify the IPv6 address to specify the computer name of an authentication server. |
| IPv6 addresses are not correctly recorded on output job logs. | Use an IPv4 network for correct logging. |

# Media Print - Text Trouble

The possible symptoms, causes, and remedies for problems when using Media Print - Text are as follows:

| Symptom | Cause | Remedy |
|---|---|---|
| [Media Print - Text] is not displayed on the [Services Home] screen. | The optional software, USB Memory Kit, is not recognized by the machine.<br>[Media Print] in CentreWare Internet Services is not checked. Check [Media Print] in CentreWare Internet Services to enable the service. | Properly set the software options or disconnect the USB cable, and then securely insert the USB cable into the connector. |
| | [Media Print] in CentreWare Internet Services is not checked. | Check [Media Print] in CentreWare Internet Services to enable the service. |

# Media Print - Photos Trouble

The possible symptoms, causes, and remedies for problems when using Media Print - Photos are as follows:

| Symptom | Cause | Remedy |
|---|---|---|
| [Media Print - Photos] is not displayed on the [Services Home] screen. | The optional software, USB Memory Kit, is not recognized by the machine. | Properly set the software options or disconnect the USB cable, and then securely insert the USB cable into the connector. |
| A blank sheet of paper is output. | Files that cannot be printed (image files other than DCF1.0 format) are included among the files specified for printing. | Files that cannot be printed (image files other than DCF1.0 format) are not printed with index printing. Specify printing again, excluding the images not displayed for index printing.<br>**Note** • Note that editing or saving DCF 1.0-format image files on a computer makes those files' format other than DCF1.0. |

# Error Code

This section describes error codes.

An error message and error code (***-***) are displayed if printing terminated abnormally because of an error, or a malfunction occurred in the machine.

For faxing, an error code is also displayed on an Activity Report and a Transmission Report - Job Undelivered.

Refer to the error codes in the following table to resolve problems.

**Important** • If an error code is displayed, any print data remaining in the machine and information stored in the machine's memory is not secured.

If an error code is displayed that is not listed in the following table, or if you cannot resolve an error despite following the instructions described in the table, contact our Customer Support Center. The contact number is printed on the label or card attached to the machine.

| Error Code | Cause and Remedy |
|---|---|
| **003-311**<br>**003-318**<br>**003-319**<br>**003-320**<br>**003-321**<br>**003-322**<br>**003-323**<br>**003-324**<br>**003-325**<br>**003-326**<br>**003-327**<br>**003-328**<br>**003-329**<br>**003-330**<br>**003-331**<br>**003-332**<br>**003-333**<br>**003-334**<br>**003-335**<br>**003-336**<br>**003-337**<br>**003-338**<br>**003-339**<br>**003-340**<br>**003-341**<br>**003-342**<br>**003-343**<br>**003-344**<br>**003-345**<br>**003-346** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **003-700** | [Cause] Too many documents are set in the document feeder after clearing the paper jam.<br>[Remedy] Check the output, and then replace the documents that have not been copied yet. |

| Error Code | Cause and Remedy |
|---|---|
| **003-701** | [Cause] A digital code is embedded in the document to restrict duplication.<br>[Remedy] Use a document in which no digital code is embedded. |
| **003-702** | [Cause] You tried to copy sides 1 and 2 of a document simultaneously specifying different Reduce/Enlarge ratio for each side.<br>[Remedy] Specify the same Reduce/Enlarge ratio for both sides. |
| **003-703** | [Cause] The Calibration Chart is not detected correctly.<br>[Remedy] Place the Calibration Chart properly. |
| **003-704** | [Cause] An error is found in the calibration pattern read, and the machine may be out of order.<br>[Remedy] Execute the calibration again. If the error is not still resolved, contact our Customer Support Center. |
| **003-705** | [Cause] Copying is started before the machine exits the Energy Saver mode and detects the change for the tray size, when the paper size set in the tray that has been changed during the Energy Saver mode.<br>[Remedy] Cancel copying, and perform the operation for copying again. |
| **003-750** | [Cause] Unable to store any documents using the 2 Sided Book Copying feature.<br>[Remedy] Check the 2 Sided Book Copying settings.<br>Refer to "3 Copy" > "Layout Adjustment" in the User Guide. |
| **003-751** | [Cause] Unable to process the document because the specified scan area is too small.<br>[Remedy] Increase the resolution or scan area. |
| **003-752** | [Cause] A mix sized document was to be scanned at 600 dpi in Color/2 sided.<br>[Remedy] Set [Resolution] to [400dpi] or lower, and try scanning again. |
| **003-753** | [Cause] A mix sized document was to be scanned at high resolution, 2 sided.<br>[Remedy] Set [Resolution] to [200dpi], and scan the document again. |
| **003-754**<br>**003-755** | [Cause] An error occurred in the document feeder.<br>[Remedy] Execute the job again. |
| **003-756** | [Cause] The faxed document is completely blank.<br>[Remedy] Check whether the document is blank or whether the side of the document to be faxed is loaded correctly. |
| **003-757** | [Cause] A mix sized document was to be scanned at high resolution, 2 sided.<br>[Remedy] Set [Resolution] to [300dpi] or lower, and scan the document again. |
| **003-760** | [Cause] An incompatible combination of feature is specified for document scan conditions.<br>[Remedy] Confirm the selected options. |
| **003-761** | [Cause] The paper size of the tray selected for auto tray differs from the paper size of the tray selected for Auto Paper selection.<br>[Remedy] Change the paper size for the tray, or change the [Paper Type Priority] settings. |
| **003-763** | [Cause] An error occurred when reading the Calibration Chart.<br>[Remedy] Place the Calibration Chart correctly on the document glass.<br>Refer to "Executing Calibration" (P.93). |
| **003-780** | [Cause] Failed to compress the scanned document.<br>[Remedy] Reduce the resolution or the ratio for [Reduce/Enlarge] to decrease the data size, or split the data to send it separately. |

| Error Code | Cause and Remedy |
|---|---|
| **003-795** | [Cause] When enlarging/reducing a scanned document to the paper size specified, the reduction/enlargement ratio exceeds the allowed range.<br>[Remedy] Take one of the following measures:<br>• Manually enter a reduction/enlargement ratio.<br>• Change the paper size. |
| **005-210** | [Cause] An error occurred in the document feeder.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **005-275**<br>**005-280** | [Cause] An error occurred in the document feeder.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **005-500** | [Cause] An error occurred in the document feeder.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **010-311**<br>**010-319**<br>**010-320**<br>**010-328**<br>**010-329** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **010-330**<br>**010-332**<br>**010-333**<br>**010-334**<br>**010-335**<br>**010-337**<br>**010-338**<br>**010-379** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **012-210**<br>**012-211**<br>**012-212**<br>**012-213**<br>**012-221**<br>**012-223**<br>**012-224**<br>**012-231**<br>**012-243** | [Cause] Finisher malfunction<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **012-249** | [Cause] Finisher malfunction<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| 012-259<br>012-260<br>012-263<br>012-265<br>012-268<br>012-269<br>012-280<br>012-282<br>012-283<br>012-284<br>012-291<br>012-295<br>012-296 | [Cause] Finisher malfunction<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| 012-334 | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| 013-210<br>013-211<br>013-212<br>013-213<br>013-220 | [Cause] An error occurred in the Booklet Unit.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| 016-210<br>016-211<br>016-212<br>016-213<br>016-214<br>016-215<br>016-216<br>016-217<br>016-218<br>016-219 | [Cause] An error occurred in the software.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| 016-220<br>016-221<br>016-222<br>016-223<br>016-224<br>016-225<br>016-226<br>016-227<br>016-228 | [Cause] An error occurred in the document feeder.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| 016-229<br>016-230 | [Cause] An error occurred in the software.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **016-231** | [Cause] The Image Extension Kit may be damaged, or may not be installed correctly.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **016-232** | [Cause] An error occurred during initialization of the high compression board.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **016-233** | [Cause] An error occurred in the software.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **016-234**<br>**016-235**<br>**016-236**<br>**016-237**<br>**016-238**<br>**016-239** | [Cause] An error occurred in the Authentication feature of the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **016-240** | [Cause] An error occurred in the document feeder.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **016-241** | [Cause] IP FAX [SIP] Kit is not installed.<br>[Remedy] IP FAX [SIP] Kit (optional) is required. |
| **016-242** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **016-310**<br>**016-311**<br>**016-312**<br>**016-313**<br>**016-314**<br>**016-315**<br>**016-316**<br>**016-317**<br>**016-318**<br>**016-319**<br>**016-320**<br>**016-321**<br>**016-322**<br>**016-323**<br>**016-325**<br>**016-326**<br>**016-327** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **016-336**<br>**016-337**<br>**016-338**<br>**016-339**<br>**016-340**<br>**016-341**<br>**016-342** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **016-345**<br>**016-347**<br>**016-348**<br>**016-350**<br>**016-351**<br>**016-360**<br>**016-362**<br>**016-363**<br>**016-364**<br>**016-365**<br>**016-366**<br>**016-367**<br>**016-369**<br>**016-370**<br>**016-371** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **016-372**<br>**016-373**<br>**016-374**<br>**016-375**<br>**016-376**<br>**016-377**<br>**016-378**<br>**016-379**<br>**016-380**<br>**016-381**<br>**016-382** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **016-400** | [Cause] The user name and password for 802.1x authentication does not match.<br>[Remedy] Confirm and correctly enter the user name or password. If the error still is not resolved, check whether the network environment is set correctly. |
| **016-401** | [Cause] The 802.1x authentication method cannot be processed.<br>[Remedy] Set the authentication method of the machine to the same method as set for the authentication server. |
| **016-402** | [Cause] The authentication connection timed out.<br>[Remedy] Confirm the network connection and switch setting of the authentication device physically connected to the machine via a network, and check whether it is connected to the machine correctly. |

| Error Code | Cause and Remedy |
|---|---|
| **016-403** | [Cause] The root certificate did not match.<br>[Remedy] Confirm the authentication server and store the root certificate of the server certificate of the authentication server into the machine.<br>If you cannot acquire the root certificate of the server certificate, set [Server Certificate Verification] of [IEEE 802.1x Settings] to [Disabled] on the touch screen. |
| **016-404** | [Cause] An internal error occurred.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **016-405** | [Cause] An error occurred in the certificate stored in the machine.<br>[Remedy] Initialize the certificate.<br>For more information on initializing certificates, refer to "Delete All Certificates/Initialize Settings" (P.160). |
| **016-406** | [Cause] An error occurred in the SSL client certificate.<br>[Remedy] Take one of the following measures:<br>• Store an SSL client certificate in the machine to set the SSL client certificate.<br>• If an SSL client certificate cannot be set on the machine, select an option other than [EAP-TLS] in [Authentication Method]. |
| **016-407**<br>**016-408**<br>**016-409**<br>**016-410**<br>**016-411**<br>**016-412** | [Cause] After automatically obtained the IP address, the machine failed to retrieve proxy server settings from the DHCP server.<br>[Remedy] Modify the customized program and install it again. |
| **016-413** | [Cause] There is a problem with the customized program registered on the machine.<br>[Remedy] Check the followings:<br>• The default gateway setting<br>• The subnet mask setting<br>• The DNS server address settings<br>If the error still is not resolved after checking the above settings, there may be a network failure or a DNS server failure. Consult your system administrator. |
| **016-414** | [Cause] A network error occurred.<br>[Remedy] Check the followings:<br>• The LAN cable connection<br>• The IP address setting<br>• The default gateway setting<br>• The subnet mask setting<br>• The DNS server address settings<br>• The proxy server setting<br>If the error still is not resolved after checking the above settings, there may be a network failure. Consult your system administrator. |

| Error Code | Cause and Remedy |
|---|---|
| **016-417** | [Cause] Communications with the Xerox Communication server failed.<br>[Remedy] Check the followings:<br>• The IP address setting<br>• The default gateway setting<br>• The subnet mask setting<br>• The DNS server address settings<br>• The server verification feature of the destination server is disabled<br>If the error still is not resolved after checking the above settings, there may be a network failure. Consult your system administrator. |
| **016-450** | [Cause] The SMB host name already exists.<br>[Remedy] Change the host name.<br>Refer to "Host Name" (P.194). |
| **016-453** | [Cause] Updating of the IPv6 address and host name for the DNS server failed.<br>[Remedy] Check whether the IP address of the DNS server is set correctly. |
| **016-454** | [Cause] Unable to retrieve the IP address from DNS.<br>[Remedy] Confirm the DNS configuration and IP address retrieve setting.<br>Refer to "Protocol Settings" (P.190). |
| **016-455** | [Cause] Connection to the SNTP server timed out.<br>[Remedy] Confirm the network cable connection and the IP address of the SNTP server are correct.<br>Refer to "Machine Clock/Timers" (P.144). |
| **016-456** | [Cause] Received a message from the SNTP server stating that the server is not synchronized with the standard time source.<br>[Remedy] Confirm the SNTP server settings.<br>Refer to "Machine Clock/Timers" (P.144). |
| **016-500**<br>**016-501**<br>**016-502** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **016-503** | [Cause] Unable to resolve the SMTP server name when sending e-mail.<br>[Remedy] Check on CentreWare Internet Services whether the SMTP server settings are correct. Also, confirm whether the DNS server settings are correct. |
| **016-504** | [Cause] Unable to resolve the POP3 server name when sending e-mail.<br>[Remedy] Check on CentreWare Internet Services whether the POP3 server settings are correct. Also, confirm whether the DNS server settings are correct. |
| **016-505** | [Cause] Unable to log into the POP3 server when sending e-mail.<br>[Remedy] Check on CentreWare Internet Services whether the user name and password used on the POP3 server are correct. |
| **016-513** | [Cause] An error occurred in connecting to the SMTP server.<br>Probable causes are as follows:<br>1)The SMTP server or network may be overloaded.<br>2)The source port number for SMTP is incorrect.<br>[Remedy] For 1), wait for a while, and then execute the operation again.<br>For 2), confirm whether the source port number for SMTP is correct. |

| Error Code | Cause and Remedy |
|---|---|
| **016-514** | [Cause] An error occurred during processing of an XPS document.<br>[Remedy] If an error occurred while printing from a driver which supports XPS, print from the application using another print driver (PCL, etc.).<br>If an error occurred while direct printing an XPS document (such as ContentsBridge Utility, E-mail, and Media Print - Text), print using the print driver (PCL, etc.) from XPS Document Viewer. |
| **016-515** | [Cause] There was insufficient memory during processing of an XPS document.<br>[Remedy] Take one of the following measures:<br>• Set [Image Quality] to [Standard]<br>• Increase the amount of memory<br>• Print using the print driver (PCL, etc.) from XPS Document Viewer.<br>For more information on [Image Options], refer to the help of the print driver. |
| **016-516** | [Cause] The Print Ticket included in the XPS document includes an invalid description or a print setting not supported by the machine.<br>[Remedy] Check whether there is a problem with the method of using the application that sent the print job, or with the content of the print instruction.<br>If your application usage and print instruction are correct, check with the application manufacturer that sent the print job for operations of the application, not with Fuji Xerox.<br>If the error still is not resolved, contact our Customer Support Center. |
| **016-517** | [Cause] There is an error in the content described in the PostScript file.<br>[Remedy] Print with the PostScript driver. Furthermore, modify ProcessColorModel described in the PostScript file so that the color mode does not change. |
| **016-518** | [Cause] With the PostScript driver, booklet and Watermark were specified at the same time.<br>[Remedy] With the PostScript driver, specifying a combination of booklet and Watermark/UUID is not possible. Cancel one of them. |
| **016-519** | [Cause] The number of pages reached the maximum number of pages specified, and the print job is terminated.<br>[Remedy] Have your system administrator change the maximum limit of printable pages. |
| **016-520** | [Cause] An error occurred in the high compression hardware.<br>[Remedy] Execute the operation again. Also change the output file format and color mode.<br>If the problem is not resolved, switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. And then perform the above operation again.<br>If the error still is not resolved, contact our Customer Support Center. |
| **016-521** | [Cause] The IC card reader is disconnected from the machine while scanning the data with digital signature.<br>[Remedy] Switch off the machine power and connect the IC card reader, and then switch on the machine power. |
| **016-522** | [Cause] LDAP server SSL authentication error. Unable to acquire an SSL client certificate.<br>[Remedy] The LDAP server is requesting an SSL client certificate. Set an SSL client certificate on the machine. |
| **016-523** | [Cause] LDAP server SSL authentication error. The server certificate data is incorrect.<br>[Remedy] The machine cannot trust the SSL certificate of the LDAP server. Register the root certificate for the LDAP server's SSL certificate to the machine. |

| Error Code | Cause and Remedy |
|---|---|
| **016-524** | [Cause] LDAP server SSL authentication error. The server certificate will expire soon.<br>[Remedy] Change the SSL certificate of the LDAP server to a valid one. You can clear this error by selecting [Disabled] for [LDAP - SSL/TLS Communication] under [SSL/TLS Settings] on the machine; however, note that selecting this option does not ensure the validity of the LDAP server. |
| **016-525** | [Cause] LDAP server SSL authentication error. The server certificate has expired.<br>[Remedy] Change the SSL certificate of the LDAP server to a valid one. You can clear this error by selecting [Disabled] for [LDAP - SSL/TLS Communication] under [SSL/TLS Settings] on the machine; however, note that selecting this option does not ensure the validity of the LDAP server. |
| **016-526** | [Cause] LDAP server SSL authentication error. The server name does not match the certificate.<br>[Remedy] Set the same LDAP server address to the machine and to the SSL certificate of the LDAP server. You can clear this error by selecting [Disabled] for [LDAP - SSL/TLS Communication] under [SSL/TLS Settings] on the machine; however, note that selecting this option does not ensure the validity of the LDAP server. |
| **016-527** | [Cause] LDAP server SSL authentication error. This is an SSL authentication internal error.<br>[Remedy] An error occurred in the software. Contact our Customer Support Center. |
| **016-528** | [Cause] You are logged out of the smart card authentication mode while scanning the data with a digital signature.<br>[Remedy] Log in to the machine with the smart card, and then execute the operation again. |
| **016-529** | [Cause] An error occurred when connecting to the Remote Download server. There was no response from the server within the specified time (45 seconds).<br>[Remedy] Confirm the network connection. Check whether the Remote Download server is correctly set on the network. |
| **016-533** | [Cause] Kerberos server authentication protocol error<br>[Remedy] The time difference between the machine and the Kerberos server exceeded the clock skew limit value set on the Kerberos server. Check whether the clocks on the machine and Kerberos server are correctly set. Also check whether the summer time and the time zone are correctly set on the machine and Kerberos server. |
| **016-534** | [Cause] Kerberos server authentication protocol error<br>[Remedy] The domain set on the machine does not exist on the Kerberos server, or the Kerberos server address set on the machine is invalid for connection. Check whether the domain name and the server address have been correctly set on the machine. For connection to Windows 2000 or Windows 2003 Server, specify the domain name in uppercase. |
| **016-535** | [Cause] The specified file does not exist on the Remote Download server.<br>[Remedy] Confirm the file. |
| **016-536** | [Cause] An error occurred when accessing the DNS prior to connecting to the Remote Download server.<br>[Remedy] Confirm the connection with the DNS. Also check whether the Remote Download server name is registered to the DNS. |
| **016-537** | [Cause] Could not connect to the Remote Download server. The port of the destination Remote Download server is not open.<br>[Remedy] Confirm the port in the network settings. |
| **016-538** | [Cause] An error occurred when writing the remote download file to the hard disk. The file obtained from the Remote Download server could not be written to the hard disk.<br>[Remedy] Confirm the amount of available space, and delete files that are no longer required. Alternatively, replace the hard disk. |

| Error Code | Cause and Remedy |
|---|---|
| **016-539** | [Cause] Kerberos server authentication protocol error<br>[Remedy] An error occurred in the software. Contact our Customer Support Center. |
| **016-546** | [Cause] A local user tried to obtain the information of another user.<br>[Remedy] Contact our Customer Support Center. |
| **016-559** | [Cause] A remote download parameter error occurred. An invalid value is set for essential system data.<br>[Remedy] Confirm the settings for essential system data. |
| **016-562** | [Cause] Multiple entries containing the same smart card information were found in the guest database of Active Directory.<br>[Remedy] Correct the guest database entries of Active Directory so that they do not contain the same smart card information. |
| **016-563** | [Cause] The job cannot continue because there is insufficient memory for the Image Extension Kit.<br>[Remedy] Select Standard for the image quality. If the error still is not resolved, contact our Customer Support Center. |
| **016-564** | [Cause] Failed to authenticate the Remote Download server.<br>[Remedy] Confirm the login name and password to access the Remote Download server. If the error still is not resolved, contact the Customer Support Center. |
| **016-574** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because the host or server name of the FTP server could not be resolved when accessing the DNS server.<br>[Remedy] Confirm the connection to the DNS server. Check whether the FTP server name is registered correctly on the DNS server. |
| **016-575** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because the DNS server address was not registered on the machine.<br>[Remedy] Specify the correct DNS server address. Or, specify the destination FTP server by using its IP address. |
| **016-576** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because it could not connect to the FTP server.<br>[Remedy] Ensure that both the destination FTP server and the machine are available for network communications, by checking the following conditions:<br>• The IP address of the server is set correctly.<br>• The network cables are plugged in securely. |
| **016-577** | [Cause] Unable to connect to the FTP service of the destination server.<br>[Remedy] Take one of the following measures:<br>• Check whether the FTP service of the server is activated.<br>• Check whether the FTP port number of the server is correctly registered on the machine. |
| **016-578** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because of unsuccessful login to the FTP server.<br>[Remedy] Check whether the login name (user name) and password are correct. |
| **016-579** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because the scanned image could not be saved in the FTP server after connection.<br>[Remedy] Check whether the FTP server's save location is correct. |

| Error Code | Cause and Remedy |
|---|---|
| **016-580** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because the file or folder name on the FTP server could not be retrieved after connection.<br>[Remedy] Confirm the access privilege for the FTP server. |
| **016-581** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because the suffix of the name of the file or folder exceeded the limit value when the machine was connected to the server and the name of a file or folder on the server was determined.<br>[Remedy] Change the file name or forwarding destination folder of the scan server. Also try moving or deleting the files within the forwarding destination folder. |
| **016-582** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because files could not be created on the FTP server after connection.<br>[Remedy] Take one of the following measures:<br>• Check whether the specified file name can be used in the save location.<br>• Check whether enough space is available in the save location. |
| **016-583** | [Cause] Failed to create the lock directory in the FTP server while transferring data using FTP of the Scan to PC service.<br>[Remedy] Take one of the following measures:<br>• If the lock directory (*.LCK) exists in the destination, delete it manually, and then execute the operation again.<br>• Check whether the specified name is available in the save location.<br>• Confirm that the specified name is not duplicated in the save location.<br>• Check whether enough space is available in the save location. |
| **016-584** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because folders could not created on the FTP server after connection.<br>[Remedy] Take one of the following measures:<br>• Check whether the specified folder name can be used in the save location.<br>• Check whether the same folder name exists in the save location.<br>• Check whether enough space is available in the save location. |
| **016-585** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because files could not be deleted on the FTP server after connection.<br>[Remedy] Confirm the access privilege for the FTP server. |
| **016-586** | [Cause] The machine failed to delete the lock directory while transferring data using FTP of the Scan to PC service.<br>[Remedy] Take one of the following measures:<br>• Confirm the access privilege for the server.<br>• If the lock directory (*.LCK) exists in the destination, delete it manually, and then execute the operation again. |
| **016-587** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because folders could not be deleted on the FTP server after connection.<br>[Remedy] Confirm the access privilege for the FTP server. |
| **016-588** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because the data could not be written on the FTP server after connection.<br>[Remedy] Check whether enough space is available in the save location. |
| **016-589** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because the data could not be read from the FTP server after connection.<br>[Remedy] Confirm the access privilege for the FTP server. |

| Error Code | Cause and Remedy |
|---|---|
| **016-590** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because there are duplicate file names.<br>[Remedy] Set [Do Not Save] for the action for file name conflict |
| **016-591** | [Cause] The machine failed to perform the additional processing for the file name conflict using FTP of the Scan to PC service.<br>[Remedy] If [Add to Existing Folder] is set for the additional processing for file name conflict, confirm that the file format is not multi-page. |
| **016-592** | [Cause] The machine failed to access the NEXTNAME.DAT file using FTP of the Scan to PC service.<br>[Remedy] When [Add to Existing Folder] is set as the process to be executed when file names are duplicate, check the NEXTNAME.DAT file is correct. |
| **016-593** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because an internal error occurred after connection to the FTP server.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **016-594**<br>**016-595** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because a network error occurred.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **016-596** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because a network error occurred.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **016-597** | [Cause] The machine failed to transfer data using FTP of the Scan to PC service because a network error occurred.<br>[Remedy] Stop all accesses from the other devices, and then execute the operation again. If the error still is not resolved, contact our?Customer Support Center. |
| **016-598**<br>**016-599** | [Cause] The size of an e-mail page exceeds the maximum message size because of page splitting.<br>[Remedy] Take one of the following measures:<br>• Reduce the file size for [Quality/File Size].<br>• Increase the value for [Maximum Split Count].<br>For more information on [Quality/File Size], refer to "5 Scan" > "E-mail Options/Filing Options" > "Quality/File Size (Specifying an Image Compression Ratio When Scanning)" in the User Guide.For more information on [Maximum Split Count], refer to "Maximum Split Count" (P.240). |
| **016-700** | [Cause] The job was suspended because the number of the digits for the Secure Print or Charge Print passcode set on the print driver was less than the value specified in [Minimum Passcode Length for Stored Job] on the machine.<br>[Remedy] On the print driver, set the passcode string equal to or longer than the value specified in [Minimum Passcode Length for Stored Job]. |
| **016-701** | [Cause] Unable to process print data because of insufficient memory.<br>[Remedy] Stop unnecessary ports or delete unnecessary data to increase memory. |

| Error Code | Cause and Remedy |
|---|---|
| **016-702** | [Cause] Unable to process print data because of insufficient print page buffer.<br>[Remedy] Take one of the following measures:<br>• Set [Image Quality] to [Standard].<br>• Increase the print page buffer size.<br>• Add memory.<br>For more information on the [Image Quality], refer to the help of the print driver. For more information about memory, refer to "Allocate Memory" (P.212). |
| **016-703** | [Cause] The machine received e-mail which specified an invalid folder number.<br>[Remedy] For errors occurring during fax or Internet fax transmission:<br>Contact our Customer Support Center.<br>For errors occurring during e-mail/fax/Internet fax reception:<br>Take one of the following measures:<br>• Register the specified folder number, and request the sender to send the e-mail/fax/Internet fax again.<br>• Request the sender to send to an available folder.<br>If the error still is not resolved, contact our Customer Support Center. |
| **016-704** | [Cause] The folder is full, and hard disk capacity is insufficient.<br>[Remedy] Delete unnecessary files from the folder, and save the file.<br>Refer to "6 Send from Folder" > "Checking/Operating Files in a Folder" in the User Guide. |
| **016-705** | [Cause] Probable causes are as follows:<br>1)You have specified the machine for the folder registry for the scanned document. However, the Scanner Kit (optional) is not installed.<br>2)You have not used the print driver for the machine.<br>3)The machine received a Secure Print, Print Stored File, Charge Print, or Private Charge Print job with no HDD Extension Kit (optional) installed.<br>[Remedy] For 1), press the <Services Home> button, and check whether [Scan to PC] is displayed. If [Scan to PC] is displayed, and then check whether the scanned document can be stored in a folder. If unable to store it in the folder, install the Scanner Kit (optional).<br>For 2), use the print driver appropriate for the machine.<br>For 3), check whether the HDD Extension Kit (optional) is installed on the machine.<br>If the HDD Extension Kit (optional) is not installed:<br>• If you do not need to use the feature, select [Not Installed] under [Hard Disk] on the [Options] tab of the print driver.<br>• If you need to use the feature, install the HDD Extension Kit.<br>If the HDD Extension Kit (optional) is installed:<br>• Select [Installed] under [Hard Disk] on the [Options] tab of the print driver.<br>If the error still is not resolved, contact our Customer Support Center. |
| **016-706** | [Cause] The hard disk space is insufficient because the number of Secure Print users exceeded the maximum limit.<br>[Remedy] Delete unnecessary files from the machine, and delete unnecessary Secure Print users.<br>For more information on deleting users for Secure Print files, refer to "10 Job Status" > "Printing and Deleting Stored Jobs", and on folders, refer to "6 Send from Folder" > "Checking/Operating Files in a Folder" in the User Guide. |
| **016-707** | [Cause] Unable to print with the Sample Set feature because the HDD Extension Kit (optional) is not installed.<br>[Remedy] To use the Sample Set feature, the HDD Extension Kit (optional) must be installed. |

| Error Code | Cause and Remedy |
|---|---|
| **016-708** | [Cause] Unable to annotate because of insufficient hard disk space.<br>[Remedy] Delete unnecessary data from the hard disk to free up disk space. |
| **016-709** | [Cause] An error occurred during print processing.<br>[Remedy] Contact our Customer Support Center. |
| **016-710** | [Cause] Unable to register the Delayed Print document because the HDD Extension Kit (optional) is not installed.<br>[Remedy] To use the Delayed Print feature, the HDD Extension Kit (optional) must be installed. |
| **016-711** | [Cause] The upper limit for the e-mail size has been exceeded.<br>[Remedy] Take one of the following measures, and then try sending the mail again.<br>• Reduce the number of pages of the document.<br>• Lower the resolution with [Resolution].<br>• Reduce the magnification with [Reduce/Enlarge].<br>• Ask your system administrator to increase the value set for [Maximum Total Data Size].<br>• For color scanning, set [MRC High Compression] to [On] under [File Format]. |
| **016-712** | [Cause] Unable to process the document because the specified scan area is too small.<br>[Remedy] Increase the resolution or scan area. |
| **016-713** | [Cause] The passcode entered does not match the passcode set on the folder.<br>[Remedy] Enter the correct passcode. |
| **016-714** | [Cause] The specified folder does not exist.<br>[Remedy] Create a new folder or specify an existing folder. |
| **016-716** | [Cause] Unable to spool TIFF file because of insufficient hard disk space.<br>[Remedy] Delete unnecessary files and users from the machine, or install the HDD Extension Kit (optional). For information on installing the HDD Extension Kit (optional), refer to "Installing the HDD Extension Kit (Optional)" (P.663).<br>Refer to "10 Job Status" > "Printing and Deleting Stored Jobs" in the User Guide. |
| **016-717** | [Cause] Unable to create a Transmission Report - Job Undelivered or a Transmission Report because the transmission result information required for creating the report is not stored in the machine's memory.<br>[Remedy] Take one of the following measures:<br>• Execute the jobs for large size Internet fax documents (about 2GB) by splitting each document to minimize memory or HDD usage.<br>• If many scan or Internet fax documents are being processed, wait until the jobs are completed to execute a new job.<br>• After completing the job that you want to confirm in a report, do not execute 200 or more jobs before printing the report. |
| **016-718** | [Cause] Unable to process the PCL print data because of insufficient memory.<br>[Remedy] Reduce the resolution, or cancel 2 sided printing or N up feature, and then print again. |
| **016-719** | [Cause] Unable to process the PCL print data because of insufficient print page buffer.<br>[Remedy] Increase the size of the print page buffer. |
| **016-720** | [Cause] An invalid command is included in PCL print data.<br>[Remedy] Confirm the print data and try printing again. |

| Error Code | Cause and Remedy |
|---|---|
| **016-721** | [Cause] An error occurred during print processing. Probable causes are as follows:<br>1)Printing was instructed by the Auto Paper selection when [Paper Type Priority] is set to [Auto Paper Off] for all paper in the [Common Service Settings].<br>2)ESC/P-K command error<br>[Remedy] For 1), when printing by the Auto Paper selection, set one of the paper types to other than [Auto Paper Off] in [Paper Type Priority].<br>For 2), confirm the print data.<br>Refer to "Paper Type Priority" (P.153). |
| **016-722** | [Cause] The staple position specified is not supported by the machine, or the paper size specified is not supported by the finisher.<br>[Remedy] Confirm the staple position and the paper size, and try printing again. |
| **016-723** | [Cause] The punch position specified is not supported by the machine, or the paper size specified is not supported by the finisher.<br>[Remedy] Confirm the punch position and the paper size, and try printing again. |
| **016-724** | [Cause] The specified staple and punch position combination is unsupported.<br>[Remedy] Specify the staple and punch positions on the same side, and try printing again. |
| **016-725** | [Cause] A scanned document stored in a folder was to be sent by fax using the Job Flow feature, but the file in the folder could not be converted to fax data.<br>[Remedy] Do not use the Job Flow feature. Simply scan the document from the machine's [Fax] screen to send it by fax. |
| **016-726** | [Cause] Unable to automatically select a printer language because PostScript data was sent with no Adobe PostScript 3 Kit (optional) installed.<br>[Remedy] The Adobe PostScript 3 Kit (optional) must be installed. |
| **016-727** | [Cause] A print job was cancelled without storing a file into a folder because the file was determined as not containing any pages.<br>[Remedy] The file could not be stored into the folder because the machine determined the print file as not containing any pages. Disable [Skip Blank Pages] on the [Advanced] tab on the print driver, or add text to the file if the file is blank. |
| **016-728** | [Cause] An unsupported tag is included in the TIFF file.<br>[Remedy] Confirm the print data. |
| **016-729** | [Cause] Unable to print because the number of colors or the resolution of the TIFF file exceeds the allowed range.<br>[Remedy] Change the number of colors or resolution for the TIFF file, and execute the operation again. |
| **016-731** | [Cause] Unable to print TIFF data because it was interrupted.<br>[Remedy] Retry printing. |
| **016-732** | [Cause] The form specified by emulation has not been registered at the host side.<br>[Remedy] Resend the form data. |
| **016-733** | [Cause] Probable causes are as follows:<br>1)Unable to obtain the IP address (the string after "@" in the destination e-mail address) when e-mail is sent.<br>2)DNS server was unable to resolve the Internet address (the string after "@") by the DNS server when e-mail is sent.<br>[Remedy] For 1), confirm the e-mail address.<br>For 2), confirm the DNS server address. |

| Error Code | Cause and Remedy |
|---|---|
| **016-735** | [Cause] Attempted to print a Job Template List while updating the job template.<br>[Remedy] Retry printing after waiting for a while. |
| **016-738** | [Cause] Unsupported paper size was specified when specifying booklet creation with PostScript (optional).<br>[Remedy] Specify a paper size supported for booklet creation, and try printing again. |
| **016-739** | [Cause] Used an unsupported combination of document size and paper size when specifying booklet creation with PostScript (optional).<br>[Remedy] Specify a combination of document size and paper size supported for booklet creation, and try printing again. |
| **016-740** | [Cause] Used an unsupported paper tray when specifying booklet creation with PostScript (optional).<br>[Remedy] Specify a paper tray supported for booklet creation, and try printing again. |
| **016-741**<br>**016-742**<br>**016-743**<br>**016-744**<br>**016-745** | [Cause] An error occurred during the update process of the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **016-746** | [Cause] An unsupported feature is included in the received PDF.<br>[Remedy] Print using a print driver. |
| **016-747** | [Cause] The memory became insufficient when using the Repeat Image feature and the Annotations features simultaneously.<br>[Remedy] Take one of the following measures:<br>• Increase the annotation image size.<br>• Reduce the usage of Repeat Image.<br>• Increase memory. |
| **016-748** | [Cause] Unable to print because of insufficient hard disk space.<br>[Remedy] Reduce the number of print pages by dividing the print data or by printing one copy at a time when printing multiple copies. |
| **016-749** | [Cause] Probable causes are as follows:<br>For a print job:<br>1) The printer language received from the print driver is unsupported by this machine.<br>For printing of a document received by Internet Fax:<br>2) The printer language of the document received from the remote machine is unsupported by this machine.<br>[Remedy] For 1), use the machine's print driver for printing. If the error still is not resolved, contact our Customer Support Center.<br>For 2), request the sender to send Internet fax documents using a printer language supported by the machine.<br>**Note** • An optional component must be installed for some printer languages such as PostScript. For more information, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **016-750** | [Cause] The machine received a PDF, an XPS, and a printing job ticket from an application (such as ContentsBridge) that allows direct transmissions of files, but the printing job ticket data had a grammar or print instruction unsupported by the machine.<br>[Remedy] Check whether you are correctly using the application (such as ContentsBridge) and whether the print instruction was correct.<br>If your application usage and print instruction are correct, check with the application manufacturer that sent the print job for operations of the application.<br>If the error still is not resolved, have the Configuration Report, the Job History Report, and the print data with the printing job ticket ready, and contact our Customer Support Center. |
| **016-751** | [Cause] Probable causes are as follows:<br>1)During the PDF Bridge processing, a syntax or parameter error occurred, an undefined command was used, and a PDF file was damaged.<br>2)When [Print Processing Mode [408])] for the PDF Direct Print feature has been set to [PS([1])], memory is insufficient.<br>3)When [Print Processing Mode [408])] for the PDF Direct Print feature has been set to [PS([1])], a PDF file including OpenType fonts is processed.<br>[Remedy] For 1), use the print driver to print the document.<br>For 2), take one of the following measures:<br>• Use the print driver to print the document.<br>• Increase PostScript memory.<br>For 3), create a PDF file in which OpenType fonts are not included.<br>For more information on the memory, refer to "Allocate Memory" (P.212). |
| **016-752** | [Cause] Unable to process for PDF Bridge because of insufficient memory space.<br>[Remedy] Change the [Image Quality] setting from [High Resolution] to [High Quality], or from [High Quality] to [Standard]. Or, add memory. |
| **016-753** | [Cause] The password entered does not match that of the PDF file.<br>[Remedy] Set the correct password on ContentsBridge. |
| **016-755** | [Cause] Attempted to process a print-protected PDF file.<br>[Remedy] Cancel the print protection using Adobe Reader, and try printing again. |
| **016-756** | [Cause] Do not have permission to use the service.<br>[Remedy] Consult your system administrator. |
| **016-757** | [Cause] The passcode is incorrect.<br>[Remedy] Enter the correct passcode. |
| **016-758** | [Cause] The division does not have permission to use the service.<br>[Remedy] Consult your system administrator. |
| **016-759** | [Cause] The number of pages reached the maximum number of pages for this service.<br>[Remedy] Consult your system administrator. |
| **016-760** | [Cause] An error occurred during PostScript (optional) processing.<br>[Remedy] Take one of the following measures:<br>• Set [Image Quality] to [High Speed].<br>• Increase PostScript memory.<br>For more information on [Image Quality], refer to the help of the print driver. For more information on memory, refer to "Allocate Memory" (P.212). |

| Error Code | Cause and Remedy |
|---|---|
| **016-761** | [Cause] An error occurred during image processing.<br>[Remedy] Set [Image Quality] to [Standard] and execute the operation again. If the error still is not resolved, set [Print Page Mode] to [On]. |
| **016-762** | [Cause] The specified printer language is not installed on the machine.<br>[Remedy] For [USB] in [Print Mode] under [Port Settings], specify correct printer language. |
| **016-763** | [Cause] Unable to connect to the POP server.<br>[Remedy] Confirm the POP server IP address set on the machine. |
| **016-764** | [Cause] Unable to connect to the SMTP server.<br>[Remedy] Consult the SMTP server administrator. |
| **016-765** | [Cause] Unable to send the e-mail because the hard disk on the SMTP server is full.<br>[Remedy] Consult the SMTP server administrator. |
| **016-766** | [Cause] An error occurred on the SMTP server.<br>[Remedy] Consult the SMTP server administrator. |
| **016-767** | [Cause] Unable to send the e-mail because the address is not correct.<br>[Remedy] Confirm the address, and try sending again. |
| **016-768** | [Cause] Unable to connect to the SMTP server because the machine's mail address is incorrect.<br>[Remedy] Confirm the machine's mail address. |
| **016-769** | [Cause] The SMTP server does not support delivery receipts (DSN).<br>[Remedy] Send e-mail without setting delivery receipts (DSN). |
| **016-770** | [Cause] Direct Fax is restricted.<br>[Remedy] Consult your system administrator whether Direct Fax is available. If it is available, contact our Customer Support Center. |
| **016-772** | [Cause] The DNS server address is not set.<br>[Remedy] Set the DNS server address. |
| **016-774** | [Cause] Unable to process compression conversion because of insufficient hard disk space.<br>[Remedy] Delete unnecessary data from the hard disk to free up disk space. |
| **016-775** | [Cause] Unable to process image conversion because of insufficient hard disk space.<br>[Remedy] Delete unnecessary data from the hard disk to free up disk space. |
| **016-776** | [Cause] An error occurred during image conversion processing.<br>[Remedy] For errors occurring when forwarding with Store to Folder or Internet Fax: The image conversion processing for the part of the data may be completed. Retrieve each converted page from the folder using CentreWare Internet Services.<br>For more information, refer to "Configuring Machine Settings Using CentreWare Internet Services" (P.295).<br>For errors occurring after instructing encryption or signature using a certificate: Take one of the following measures:<br>• Check whether the certificate is valid.<br>• Set the correct date and time on the machine. |
| **016-777** | [Cause] A hard disk error occurred during image processing.<br>[Remedy] The hard disk may be defective. To replace the hard disk, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **016-778** | [Cause] The conversion processing of the scanned image was interrupted because of insufficient disk space.<br>[Remedy] Delete unnecessary data from the hard disk to free up disk space. |
| **016-779** | [Cause] An error occurred during scanned image conversion processing.<br>[Remedy] Retry scanning. If using large-size paper such as A3 with [Resolution] set to [600 dpi], specify [Resolution] to [400 dpi] or lower in [Layout Adjustment]. If the error still is not resolved, contact our Customer Support Center. |
| **016-780** | [Cause] A hard disk error occurred during scanned image conversion processing.<br>[Remedy] The hard disk may be defective. To replace the hard disk, contact our Customer Support Center. |
| **016-781** | [Cause] Probable causes are as follows:<br>1)The mail server cannot be found during e-mail sending (TCP/IP session establishment failed).<br>2)The machine received an SMTP server error from the mail server during e-mail sending.<br>[Remedy] 1)Take one of the following measures:<br>- Check whether the network cables are plugged in securely.<br>- Check whether the IP address is set correctly when the SMTP server name is specified by IP address.<br>2)Enter the host name of the machine using ASCII characters.<br>Available ASCII characters are follows:<br>- alphabets<br>- numerals<br>Check whether or not ASCII characters are used in [Tools] > [Connectivity & Network Setup] > [Machine's E-mail Address/Host Name]. |
| **016-786** | [Cause] When using the Scan feature, the machine could not write the file to the hard disk.<br>[Remedy] Take one of the following measures:<br>• Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power.<br>• Load paper on the paper tray as necessary.<br>• If the error occurs when sending an e-mail, take one of the following measures:<br>- Lower the resolution.<br>- Reduce the size.<br>- Reduce the number of pages, and divide the job into several e-mails to send.<br>- Send the job by setting [Color Scanning] to [Black & White]. |
| **016-788** | [Cause] Failed to retrieve a file from the Web browser.<br>[Remedy] Take one of the following measures, and then execute the operation again:<br>• Reload the browser page.<br>• Restart the browser.<br>• Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. |

| Error Code | Cause and Remedy |
|---|---|
| **016-790** | [Cause] Unable to send an e-mail with Split Send because of exceeding the maximum number of splits allowed.<br>[Remedy] Take one of the following measures:<br>• Reduce the file size for [Quality/File Size].<br>• Increase the value for [Maximum Split Count].<br>For more information on [Quality/File Size], refer to "5 Scan" > "E-mail Options/Filing Options" > "Quality/File Size (Specifying an Image Compression Ratio When Scanning)" in the User Guide.<br>For more information on [Maximum Split Count], refer to "Maximum Split Count" (P.240). |
| **016-792** | [Cause] Failed to acquire the specified job history when printing a Job Report.<br>[Remedy] The specified job history does not exist. |
| **016-794** | [Cause] Media is not inserted correctly.<br>[Remedy] Check whether the media is inserted correctly. |
| **016-795**<br>**016-796**<br>**016-797** | [Cause] An error occurred when reading the data on the media.<br>[Remedy] On a computer, confirm the content recorded on the media. |
| **016-798** | [Cause] Unable to print a document because the HDD Extension Kit (optional) is not installed.<br>[Remedy] Install the HDD Extension Kit (optional), and try printing again. |
| **016-799** | [Cause] An invalid print parameter is included in the print data of the application, or the print data and the Print Setup settings may not match.<br>[Remedy] Check the print data of the application and the Print Setup settings, and try printing again. |
| **017-700** | [Cause] ThinPrint.Engine connection timed out.<br>[Remedy] Confirm the connection to the ThinPrint.Engine. |
| **017-701** | [Cause] An error occurred while connecting to ThinPrint.Engine.<br>[Remedy] Confirm the connection to the ThinPrint.Engine. |
| **017-702** | [Cause] The data sent to ThinPrint.Engine is invalid.<br>[Remedy] Confirm the connection to the ThinPrint.Engine. |
| **017-703** | [Cause] The print data sent from ThinPrint.Engine exceeded the maximum size of the machine.<br>[Remedy] Split the job, and try printing again. |
| **017-704** | [Cause] An internal error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Send the job again. |
| **017-705**<br>**017-706**<br>**017-707**<br>**017-708** | [Cause] ThinPrint.Engine SSL authentication error.<br>[Remedy] Check the server certificate information (expiry date and address) that is registered to ThinPrint.Engine. |
| **017-709** | [Cause] An SSL communication error occurred between ThinPrint.Engine and the machine.<br>[Remedy] Check the settings of the machine. |
| **017-713** | [Cause] The SMTP server does not support STARTTLS.<br>[Remedy] Change SSL/TLS communication setting to other than [STARTTLS]. |

| Error Code | Cause and Remedy |
|---|---|
| **017-714** | [Cause] SSL connection to the SMTP server failed.<br>[Remedy] Confirm whether the SMTP server supports SSL connection. If the server supports it, check the port number of the SMTP server. If the error still is not resolved, contact our Customer Support Center. |
| **017-715** | [Cause] SMTP server SSL server authentication error. The server certificate is invalid.<br>[Remedy] Use the valid SSL server certificate of the SMTP server. You can avoid this error by setting [SMTP-SSL/TLS Communication] in [SSL/TLS Settings] to [Disabled], however the validity of the server cannot be warranted. |
| **017-716** | [Cause] SMTP server SSL server authentication error. It is before the valid period of the server certificate.<br>[Remedy] Use the valid SSL server certificate of the SMTP server. You can avoid this error by setting [SMTP-SSL/TLS Communication] in [SSL/TLS Settings] to [Disabled], however the validity of the server cannot be warranted. |
| **017-717** | [Cause] SMTP server SSL server authentication error. The server certificate expired.<br>[Remedy] Use the valid SSL server certificate of the SMTP server. You can avoid this error by setting [SMTP-SSL/TLS Communication] in [SSL/TLS Settings] to [Disabled], however the validity of the server cannot be warranted. |
| **017-718** | [Cause] SMTP server SSL server authentication error. The server name and certificate do not match.<br>[Remedy] Use the valid SSL server certificate of the SMTP server. You can avoid this error by setting [SMTP-SSL/TLS Communication] in [SSL/TLS Settings] to [Disabled], however the validity of the server cannot be warranted. |
| **017-719** | [Cause] SMTP server SSL server authentication error. SSL authentication internal error.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **017-723** | [Cause] Character strings the DocuWorks Direct Print feature does not support are used.<br>[Remedy] Print the file from DocuWorks Viewer via the PCL print driver. |
| **017-724** | [Cause] An error occurred while receiving a print job from Denshi-Pen.<br>[Remedy] Confirm whether the machine is compatible with Denshi-Pen. When it is compatible, execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **017-725** | [Cause] An error occurred while receiving a print job when the Force Annotation is enabled.<br>[Remedy] Incorrect name is set for the template of the Force Annotation. Confirm the name of the template registered in the machine. |
| **017-729** | [Cause] When the machine is used as a print job storage device, print job sending was stopped temporarily because the number of jobs in the machine exceeded the maximum receivable volume or the space for spool data was insufficient.<br>[Remedy] Take one of the following measures:<br>• Set to spool data to the hard disk from the setting of the storage destination machine.<br>• Set [IPP] under [Properties] > [General Setup] > [Memory Settings] to [Spool to Hard Disk] by CentreWare Internet Services.<br>• Wait for a while and send the job again. |

| Error Code | Cause and Remedy |
|---|---|
| **017-730** | [Cause] When the machine is used as a print job storage device, the computer failed to send a job to the machine because a network error occurred.<br>[Remedy] Confirm the followings:<br>• The network cable is connected properly.<br>• The storage destination machine is powered on.<br>• The IPP port of the storage destination machine is enabled.<br>If the error still is not resolved, contact our Customer Support Center. |
| **017-731** | [Cause] Unable to connect to the POP server.<br>[Remedy] Confirm the followings:<br>• The IP address of the POP server is set on the machine.<br>• The network cable is connected properly. |
| **017-732** | [Cause] When the machine is used as a print job storage device, the computer failed to send a job because the machine is off-line.<br>[Remedy] Press the <Machine Status> button of the storage destination machine, and set [Print Mode] to [On-line] on the [Machine Information] screen.<br>If the error still is not resolved, contact our Customer Support Center. |
| **017-733** | [Cause] When the machine is used as a print job storage device, an internal error in the software is occurred while the job sending to the machine.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **018-400** | [Cause] Although IPSec is enabled, the IPSec settings are inconsistent.<br>• Although [Authenticated by Preshared Key] is set in [IKE Authentication Method], a passcode is not set.<br>• Although [Authenticated by Digital Signature] is set in [IKE Authentication Method], an IPSec certificate is not set.<br>[Remedy] Remove the inconsistency of the IPSec settings, and enable IPSec again.<br>• When [Authenticated by Preshared Key] is set in [IKE Authentication Method], set the passcode.<br>• When [Authenticated by Digital Signature] is set in [IKE Authentication Method], set an IPSec certificate. |
| **018-401** | [Cause] The settings in [TCP/IP - IP Mode] and [SIP Server IP Address Resolution] or [IPv4 - IP Address Resolution] is inconsistent.<br>[Remedy] Take one of the following measures:<br>• When [TCP/IP - IP Mode] is [IPv4 Mode] and [IPv4 - IP Address Resolution] is [STATIC], set [SIP Server IP Address Resolution] to [STATIC].<br>• When [TCP/IP - IP Mode] is [IPv4 Mode] and [IPv4 - IP Address Resolution] is other than [STATIC], set [SIP Server IP Address Resolution] to [DHCP].<br>• When [TCP/IP - IP Mode] is [IPv6 Mode], set [SIP Server IP Address Resolution] to [STATIC] or [DHCP V6].<br>• When [SIP IP Address Resolution] is set to [STATIC] and the IP address is specified in FQDN, configure DNS server settings to resolve an address using DNS.<br>• When [TCP/IP - IP Mode] is [IPv4 Mode] and [IPv4 - IP Address Resolution] is [STATIC], set the SIP server IP address using IPv4 address or the FQDN.<br>• When [TCP/IP - IP Mode] is [IPv6 Mode], set the SIP server IP address using IPv6 address or the FQDN.<br>• The Primary SIP Registrar Server Address and Primary SIP Proxy Server Address must be entered. |

| Error Code | Cause and Remedy |
|---|---|
| **018-402** | [Cause] Failed to register the information of the machine to the SIP registrar server because of one of the following reasons:<br>• The SIP server address information could not be obtained using DHCP or DHCP v6.<br>• Communication with a SIP registrar server that is configured manually could not be established.<br>• Communication with a SIP registrar server that is obtained using DHCP or DHCP v6 could not be established.<br>• Communication with the SIP registrar server could not be established.<br>[Remedy] Take one of the following measures:<br>• When [SIP Server IP Address Resolution] is [DHCP] or [DHCP v6], confirm whether the machine and the DHCP or DHCP v6 server can communicate properly. Check whether the cable is plugged or a switch or a hub works properly.<br>• When [SIP Server IP Address Resolution] is [DHCP] or [DHCP v6], confirm whether the DHCP or DHCP v6 server is turned on. Also, confirm the setting whether a SIP server address can be allocated or not.<br>• When [SIP IP Address Resolution] is set to [STATIC], check whether the address set is correct. And when the IP address is specified in FQDN, configure DNS server settings to resolve an address using DNS.<br>• When [SIP Server IP Address Resolution] is [DHCP] or [DHCP v6], confirm whether or not the address that the DHCP or DHCP v6 server allocates is correct.<br>• Confirm whether the machine and the DHCP or DHCP v6 server can communicate properly. Check whether the cable is plugged or a switch or a hub works properly. |
| **018-403** | [Cause] Failed to register the information of the machine to the SIP registrar server because of an authentication error.<br>[Remedy] If the SIP registrar server requires authentication, set the login user name and login password in [SIP Registrar Server Setup] of the machine. |
| **018-404** | [Cause] Failed to register the information of the machine to the SIP registrar server because of other errors than authentication error.<br>[Remedy] Check whether the SIP registrar server is set to accept information registration from the machine. |
| **018-500** | [Cause] The certificate does not exist in the authentication server.<br>[Remedy] Configure the server certificate. Or, cancel authentication. |
| **018-501** | [Cause] Communications with the CA server set in the machine failed.<br>[Remedy] Check the network connection and the address of the CA server. |
| **018-502** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because computers allowed to login are restricted.<br>[Remedy] Confirm the property information for the specified user, and check whether the computers allowed to login to the server are restricted. |
| **018-503**<br>**018-504** | [Cause] Communications with the CA server set in the machine failed.<br>[Remedy] Execute the authentication operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **018-505** | [Cause] Failed to log into the destination computer while transferring data using SMB of the Scan to PC service.<br>[Remedy] Check whether the user name and password of the SMTP server registered in the machine is correct.<br>**Important** • The password cannot be confirmed. If you have forgotten the password, reset the password. Consult your system administrator for the password reset procedure.<br>• When using Windows Server 2003, be sure to match the time set on the SMB server and the machine.<br>• When the destination computer is Macintosh, you need to change the account settings of the shared folder so that file sharing with Windows users becomes available. For information about necessary accounting settings, consult your system administrator.<br>The following is an example of a procedure for Mac OS X 10.6.<br>**Note** • It is recommended that you create a dedicated account for data transfer. You can create and set the account on the dialog box that appears by selecting Apple menu > [System Preferences] and then clicking [Accounts] icon.<br>1)From Apple menu, select [System Preferences], and then click [Sharing].<br>2)Make sure that [File Sharing] check box is selected, and then click [Options].<br>3)Select [Share files and folders using SMB].<br>4)Check the user accounts to enable for file sharing. Enter the user's password, and then click [OK].<br>5)Click [Done].<br>**Note** • For information on how to change the account settings on other versions of Mac OS, consult your system administrator or the official website of Apple Inc. |
| **018-506** | [Cause] Communications with the CA server set in the machine failed.<br>[Remedy] Execute the authentication operation again. |
| **018-507** | [Cause] The authentication failed because the user name or password entered is not correct.<br>[Remedy] Enter the correct user name or password. |
| **018-508** | [Cause] A server error occurred during authentication.<br>[Remedy] Check the status of the authentication server. |

| Error Code | Cause and Remedy |
|---|---|
| **018-543** | [Cause] Probable causes are as follows:<br>1)The machine failed to transfer data using SMB of the Scan to PC service because the specified shared name does not exit.<br>2)The machine failed to transfer data using SMB of the Scan to PC service because Invalid characters are used in the specified shared name.<br>3)The machine failed to transfer data using SMB of the Scan to PC service because access privilege is not set on the specified shared name when the server is Macintosh.<br>[Remedy] 1)Confirm that the specified shared name exits in the destination PC.<br>2)Take one of the following measures:<br>- Check whether the following invalid characters are included in the shared name set in the machine: " / : \| < > ; , * ? \ [ ] + =<br>- Check whether a space character is included at the top or end of the shared name set in the machine.<br>- Check whether the shared name set in the machine is specified only by a period.<br>3)When the destination computer is Macintosh, you need to change the access privileges for the user for shared folder. For information about the settings, consult your system administrator.<br>The following is an example of a procedure for Mac OS X 10.6.<br>**Note** • It is recommended that you create a dedicated account for data transfer. You can create and set the account on the dialog box that appears by selecting Apple menu > [System Preferences] and then clicking [Accounts] icon.<br>1)From Apple menu, select [System Preferences], and then click [Sharing].<br>2)Make sure that [File Sharing] check box is selected<br>3)Select the folder being shared from folders listed in the [Shared Folders] filed.<br>4)Select [Read & Write] as the privilege option for the user listed in the [Users] field.<br>**Note** • For information on how to change the access privilege settings on other versions of Mac OS, consult your system administrator or the official website of Apple Inc. |
| **018-547** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because the number of users logging into the SMB server exceeded the limit when logging in to the SMB server.<br>[Remedy] Take one of the following measures:<br>• Confirm how many users can access the shared folder.<br>• Check whether the number of login users have exceeded the limit. |
| **018-556** | [Cause] Received the "XRXERROR" error detection code from the HTTP server.<br>[Remedy] 1)Check whether the specified drive and directory is available on the destination HTTP server for the scanned document.<br>2)Perform the same operation again. If the problem persists, contact our Customer Support Center. |
| **018-557** | [Cause] The specified file name contains invalid characters.<br>[Remedy] Modify the file name. Make sure that invalid characters are not contained in the destination file name for the scanned document. |
| **018-558** | [Cause] Received an error code from HTTP server.<br>[Remedy] 1)Check whether the specified directory exists on the destination HTTP server for the scanned document.<br>2)Check whether the specified file exists on the HTTP server. |
| **018-559** | [Cause] The same file name already exists.<br>[Do Not Save] is selected when duplicate file name exists.<br>[Remedy] Select any option other than [Do Not Save] in [File Name Conflict]. |

| Error Code | Cause and Remedy |
|---|---|
| **018-560** | [Cause] An user authentication error occurred. (Received HTTP Status 401).<br>[Remedy] Check the followings:<br>• The destination HTTP server for the scanned document is accessible by PC.<br>• Login name<br>• Login password<br>• The HTTP server name<br>• The HTTP server path name |
| **018-561** | [Cause] The hostname or the script storage location is not correct. (Received HTTP Status 404).<br>[Remedy] Check the followings:<br>• The destination HTTP server for the scanned document is accessible by PC.<br>• The HTTP server name<br>• The HTTP server path name |
| **018-562** | [Cause] A client-side error occurred. (Received HTTP Status 4xx other than 401 and 404).<br>[Remedy] Check the followings:<br>• The destination HTTP server for the scanned document is accessible by PC.<br>• The server settings |
| **018-563** | [Cause] A server-side error occurred. (Received HTTP Status 5xx).<br>[Remedy] Check the followings:<br>• The destination HTTP server for the scanned document is accessible by PC.<br>• The server settings |
| **018-564** | [Cause] DNS resolution for the specified hostname failed.<br>[Remedy] Check the followings:<br>• The destination HTTP server for the scanned document is registered on the DNS server.<br>• The machine is connected to the DNS server.<br>• The address of the DNS server is set on the machine. |
| **018-565** | [Cause] DNS resolution for the proxy server name set on the machine failed.<br>[Remedy] Check the followings:<br>• The proxy server name set on the machine is registered on the DNS server.<br>• The machine is connected to the DNS server.<br>• The address of the DNS server is set on the machine. |
| **018-566** | [Cause] Unable to connect to the HTTP server.<br>[Remedy] Check the followings:<br>• The network cable connection on the machine<br>• The destination HTTP server for the scanned document is accessible by PC. |
| **018-567** | [Cause] The followings may be the cause:<br>• The communication is disconnected while reading or writing due to some reason.<br>• Close process of the file failed due to some reason<br>[Remedy] Check whether the destination HTTP server for the scanned document is accessible by PC. |

| Error Code | Cause and Remedy |
|---|---|
| **018-568** | [Cause] An SSL/TLS connection error occurred.<br>[Remedy] Check the followings:<br>• The destination HTTP server for the scanned document is accessible by PC.<br>• SSL settings for the HTTP server is correct.<br>• The HTTP server name<br>• The HTTP server path name |
| **018-569** | [Cause] The SSL server certificate may have a problem.<br>[Remedy] 1)Check whether the destination HTTP server for the scanned document is accessible by PC.<br>2)Check whether the SSL server certificate is registered on the HTTP server.<br>3)Check whether the SSL server certificate is valid.<br>Check the followings:<br>- the certificate is unexpired<br>- the time set on the machine is correct<br>- the certificate is not on the discard list<br>4)Check the certificate path to the SSL server certificate, and import the required CA certificate.<br>5)If the SSL server certificated is not registered on the HTTP server, disable the [Verify Remote Server Certificate] setting. |
| **018-570** | [Cause] A client certificate authentication error occurred on the HTTP server.<br>[Remedy] Check the followings:<br>• The destination HTTP server for the scanned document is accessible by PC.<br>• The SSL client certificate is registered on the machine.<br>• The device certificate is correctly registered on the HTTP server. |
| **018-571** | [Cause] An internal error occurred.<br>[Remedy] Perform the same operation again. If the problem persists, contact our Customer Support Center. |
| **018-572** | [Cause] The specified context name contains invalid characters.<br>[Remedy] Check whether the specified context name is correct. |
| **018-573** | [Cause] The specified connection name contains invalid characters.<br>[Remedy] Check whether the specified connection name is correct. |
| **018-574** | [Cause] The specified volume name contains invalid characters.<br>[Remedy] Check whether the specified volume name is correct. |
| **018-575** | [Cause] The specified user name or password contains invalid characters.<br>[Remedy] Check whether the specified user name or password is correct. |
| **018-576** | [Cause] The specified path name contains invalid characters.<br>[Remedy] Check whether the specified path name is correct. |
| **018-577** | [Cause] The specified file name contains invalid characters.<br>[Remedy] Check whether the specified file name is correct. |
| **018-578** | [Cause] The specified server or tree name does not exist.<br>[Remedy] Check the followings:<br>• The network cable connection on the machine<br>• The NetWare server is accessible by PC<br>• The NetWare server or tree name<br>Run DSREPAIR at the server console on the NetWare server. |

| Error Code | Cause and Remedy |
|---|---|
| **018-579** | [Cause] The hard disk on the NetWare server may be full.<br>[Remedy] Check the followings:<br>• The NetWare server is accessible by PC<br>• The free space of the server to store data<br>Run DSREPAIR at the server console on the NetWare server. |
| **018-580** | [Cause] The specified volume name does not exist on the NetWare server.<br>[Remedy] Check the followings:<br>• The NetWare server is accessible by PC<br>• The volume name<br>Run DSREPAIR at the server console on the NetWare server. |
| **018-581** | [Cause] The specified directory path does not exist on the NetWare server.<br>[Remedy] Check the followings:<br>• The NetWare server is accessible by PC<br>• The directory path name<br>Run DSREPAIR at the server console on the NetWare server. |
| **018-582** | [Cause] The followings may be the cause:<br>• The login user does not have Open rights to the file.<br>• The login user does not have Create rights to create a file.<br>• The login user does not have Access rights to the directory.<br>• The login user does not have Read rights to the file.<br>• The login user does not have Write rights to the file.<br>• The login user does not have Delete rights of the directory or file.<br>• Made a delete request to the directories or files but all of them are read-only.<br>• Made a delete request to the directories or files but some of them are read-only.<br>[Remedy] 1)Check whether the NetWare server is accessible by PC.<br>2)Check the user has the following rights.<br>- Open rights to the file<br>- Create rights to a file<br>- Access rights to the directory<br>- Write rights to the file<br>- Read rights to the file<br>- Delete rights to the directory or file<br>3)Run DSREPAIR at the server console on the NetWare server. |
| **018-583** | [Cause] A hard disk error occurred on the NetWare server.<br>[Remedy] 1)Check the status of the HDD on the NetWare server.<br>2)Check whether the NetWare server is accessible by PC.<br>3)Run DSREPAIR at the server console on the NetWare server. |
| **018-584** | [Cause] The followings may be the cause:<br>• The communication is disconnected while reading or writing due to some reason<br>• Close process of the file failed due to some reason<br>[Remedy] 1)Check whether the NetWare server is accessible by PC.<br>2)Run DSREPAIR at the server console on the NetWare server. |

| Error Code | Cause and Remedy |
|---|---|
| **018-585** | [Cause] The followings may be the cause:<br>• The specified folder or file is in use by another user<br>• Made a delete request to the directories or files though some of them are in use by another user<br>• Made a delete request to the directories or files though all of them are in use by another user<br>[Remedy] 1)Check whether the NetWare server is accessible by PC.<br>2)Check the status of use of the other users.<br>3)Run DSREPAIR at the server console on the NetWare server. |
| **018-586** | [Cause] Login to the NetWare server was denied.<br>[Remedy] Check the followings:<br>• The NetWare server is accessible by PC<br>• Login user name<br>• Login password<br>• Volume name<br>• Server or tree name<br>• Context name<br>Run DSREPAIR at the server console on the NetWare server. |
| **018-587** | [Cause] There are duplicate file names.<br>[Do Not Save] is set as a handling method when names are duplicated for scanned files.<br>[Remedy] Set the process to be executed when file names are duplicate to other than [Do Not Save]. |
| **018-588** | [Cause] Detected an incorrect filing policy (when add was selected) after connecting to the server.<br>[Remedy] When [Rename New File] is set as the process to be executed when file names are duplicate, confirm that the file format is not multi-page. |
| **018-589** | [Cause] Failed to access the NEXTNAME.DAT file.<br>[Remedy] When [Rename New File] is set as the process to be executed when file names are duplicate, check the NEXTNAME.DAT file is correct. |
| **018-590** | [Cause] A file or folder of the same name was detected on the server.<br>[Remedy] Take one of the following measures:<br>1)Execute the operation again by not accessing the same folder or the same server from multiple machines.<br>2)If the error still is not resolved, contact our Customer Support Center. |
| **018-591** | [Cause] When the machine was connected to the server and the name of a file or folder on the server was determined, the suffix of the name of the file or folder exceeded the limit value.<br>[Remedy] Change the file name or forwarding destination folder of the scan server. Also try moving or deleting the files within the forwarding destination folder. |
| **018-592** | [Cause] Failed to delete a scan lock folder.<br>[Remedy] Take one of the following measures:<br>1)If an existing lock directory (*.LCK) remains in the forwarding destination, delete it manually, and then execute the job again.<br>2)Confirm that there is a folder with the name specified. |
| **018-593** | [Cause] Failed to create the scan lock folder.<br>[Remedy] If an existing lock directory (*.LCK) remains in the forwarding destination, delete it manually, and then execute the job again. |

| Error Code | Cause and Remedy |
|---|---|
| **018-595** | [Cause] Multiple entries containing the same smart card information were detected in the database of the LDAP server.<br>[Remedy] Correct the temporary user entries of the LDAP server so that they do not contain the same smart card information. |
| **018-596** | [Cause] An error occurred during LDAP server authentication.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **018-700** | [Cause] The network for Web Applications is being initialized.<br>[Remedy] Wait for a while, and then execute the operation again. |
| **018-701** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "1" (operations error) for Address Book query.<br>[Remedy] Check whether [LDAP Server/Directory Service Settings] under [Remote Authentication/ Directory Service] has been set correctly. Or, the server may have a problem. Consult your network administrator. |
| **018-702** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "2" (protocol error) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server settings, and execute the operation again. |
| **018-703** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "3" (time limit exceeded) for Address Book query.<br>[Remedy] Change the search conditions/start position to narrow the search range, and execute the operation again. If the error still is not resolved, consult your network administrator. |
| **018-704** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "4" (size limit exceeded) for Address Book query.<br>[Remedy] Change the search conditions/start position to narrow the search range, and execute the operation again. If the error still is not resolved, consult your network administrator. |
| **018-705** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "5" (compare false) for Address Book query.<br>[Remedy] The result may differ from the specified content. Have your network administrator confirm the LDAP server status. |
| **018-706** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "6" (compare true) for Address Book query.<br>[Remedy] The desired result has been achieved. No problem occurred. |
| **018-707** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "7" (specified authentication method not supported) for Address Book query.<br>[Remedy] The LDAP server does not support the specified authentication method. Change the authentication method. Consult your system administrator for another method. |
| **018-708** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "8" (strong authentication required) for Address Book query.<br>[Remedy] Check whether the authentication settings are correct. Consult your system administrator strengthen the authentication, and execute the operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **018-709** | [Cause] An error occurred for external access (Web Applications).<br>[Remedy] Take one of the following measures depending on the setting:<br>For IPv4 environment<br>• Check the IPv4 address of the machine.<br>• Confirm whether the network cable is connected correctly.<br>• Check the address of the DHCP server.<br>For IPv6 environment<br>• Confirm whether the global address distributed from a IPv6 router is assigned to the IPv6 address of the machine.<br>• Confirm whether the network cable is connected correctly.<br>• Confirm whether the IPv6 router is set correctly. |
| **018-710** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "10" (referral) for Address Book query.<br>[Remedy] No registered items were found in the specified retrieval range. Have your network administrator confirm the authentication settings. |
| **018-711** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "11" (admin limit exceeded) for Address Book query.<br>[Remedy] Have your network administrator confirm the operational status of the server. |
| **018-712** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "12" (unavailable extension) for Address Book query.<br>[Remedy] Have your network administrator confirm the operational status of the server. |
| **018-713** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "13" (confidentiality required) for Address Book query.<br>[Remedy] Have your network administrator confirm the operational status of the server. |
| **018-714** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "14" (SASL bind in progress) for Address Book query.<br>[Remedy] Retry after waiting for a while. If the error still is not resolved, consult your network administrator. |
| **018-715** | [Cause] Kerberos server authentication protocol error. There is no authentication method which supports both the machine authentication and Kerberos server authentication.<br>[Remedy] Take one of the following measures:<br>• Set the appropriate authentication method in the Kerveros server.<br>• Disable the FIPS140 validation mode of the machine.<br>If the error still is not resolved, contact our Customer Support Center. |
| **018-716** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "16" (no such attribute) for Address Book query.<br>[Remedy] The LDAP server has an attribute problem. Have your network administrator confirm the LDAP server status. |

| Error Code | Cause and Remedy |
|---|---|
| **018-717** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "17" (undefined type) for Address Book query.<br>[Remedy] The LDAP server has an attribute problem. Have your network administrator confirm the LDAP server status. |
| **018-718** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "18" (inappropriate matching) for Address Book query.<br>[Remedy] The LDAP server has an attribute problem. Have your network administrator confirm the LDAP server status. |
| **018-719** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "19" (constraint violation) for Address Book query.<br>[Remedy] The LDAP server has an attribute problem. Have your network administrator confirm the LDAP server status. |
| **018-720** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "20" (attribute exists) for Address Book query.<br>[Remedy] The LDAP server has an attribute problem. Have your network administrator confirm the LDAP server status. |
| **018-721** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "21" (invalid syntax) for Address Book query.<br>[Remedy] The LDAP server has an attribute problem. Have your network administrator confirm the LDAP server status. |
| **018-725** | [Cause] The user password set in the Kerberos server expired.<br>[Remedy] Extend the expiration date of the password. |
| **018-726** | [Cause] The root (or intermediate) CA certificate on the smart card is not registered on the machine.<br>[Remedy] Register the root (or intermediate) CA certificate on the smart card on the machine. |
| **018-727** | [Cause] Authentication by the Kerberos server failed.<br>[Remedy] Check the certificate on the smart card, and then update the certificate if it is invalid or revoked. Also, check whether the certificate is enabled in the server. |
| **018-728** | [Cause] Authentication by the Kerberos server failed.<br>[Remedy] Take one of the following measures:<br>• When the root CA certificate of the KDC certificate is not registered, register the root CA certificate.<br>• When the KDC certificate is revoked, update the KDC certificate of the server.<br>• Confirm that the address of the Kerberos server set in the machine and the address on the KDC certificate of the server match. |
| **018-732** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "32" (no such object) for Address Book query.<br>[Remedy] The specified e-mail address does not exist. Confirm the e-mail address you entered or the e-mail address registered on the LDAP server. |

| Error Code | Cause and Remedy |
|---|---|
| **018-733** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "33" (incorrect alias) for Address Book query.<br>[Remedy] The LDAP server has a name problem. Have your network administrator confirm the LDAP server status. |
| **018-734** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "34" (invalid DN syntax) for Address Book query.<br>[Remedy] The LDAP server has a name problem. Confirm the user name and password to cancel an incorrect password. If the error still is not resolved, have your network administrator confirm the authentication settings and status of the LDAP server. |
| **018-735** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "35" (object is leaf) for Address Book query.<br>[Remedy] The LDAP server has a name problem. Have your network administrator confirm the LDAP server status. |
| **018-736** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "36" (alias differencing problem) for Address Book query.<br>[Remedy] The LDAP server has a name problem. Have your network administrator confirm the LDAP server status. |
| **018-748** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "48" (inappropriate authentication) for Address Book query.<br>[Remedy] The LDAP server has a security problem. Have your network administrator confirm the authentication settings on the LDAP server. |
| **018-749** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "49" (invalid credentials) for Address Book query. The address search was performed with an incorrect authentication user name and password.<br>[Remedy] The LDAP server has a security problem. Confirm your authentication user name and password to cancel an incorrect login name. If the error still is not resolved, have your network administrator confirm the authentication settings on the LDAP server. |
| **018-750** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "50" (insufficient access) for Address Book query.<br>[Remedy] The LDAP server has a security problem. Have your network administrator confirm the access rights for the LDAP server. |
| **018-751** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "51" (busy) for Address Book query.<br>[Remedy] The service has a problem. Retry after waiting for a while. If the error still is not resolved, consult your network administrator. |
| **018-752** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "52" (unavailable) for Address Book query.<br>[Remedy] The LDAP server has a service problem. Retry after waiting for a while. If the error still is not resolved, consult your network administrator. |

| Error Code | Cause and Remedy |
|---|---|
| **018-753** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "53" (unwilling to perform) for Address Book query.<br>[Remedy] The LDAP server has a service problem. Retry after waiting for a while. If the error still is not resolved, consult your network administrator. |
| **018-754** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "54" (loop detected) for Address Book query.<br>[Remedy] The LDAP server has a service problem. Have your network administrator confirm the operational status of the service on the LDAP server. |
| **018-764** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "64" (naming violation) for Address Book query.<br>[Remedy] The LDAP server has an update problem. Have your network administrator confirm the LDAP server status. |
| **018-765** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "65" (object class violation) for Address Book query.<br>[Remedy] The LDAP server has an update problem. Have your network administrator confirm the LDAP server status. |
| **018-766** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "66" (not allowed on nonleaf) for Address Book query.<br>[Remedy] The LDAP server has an update problem. Have your network administrator confirm the LDAP server status. |
| **018-767** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "67" (not allowed on RDN) for Address Book query.<br>[Remedy] The LDAP server has an update problem. Have your network administrator confirm the LDAP server status. |
| **018-768** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "68" (already exists) for Address Book query.<br>[Remedy] The LDAP server has an update problem. Have your network administrator confirm the LDAP server status. |
| **018-769** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "69" (no object class modifications) for Address Book query.<br>[Remedy] The LDAP server has an update problem. Have your network administrator confirm the LDAP server status. |
| **018-770** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "70" (results too large) for Address Book query.<br>[Remedy] Change the search conditions/start position to narrow the search range, and execute the operation again. If the error still is not resolved, consult your network administrator. |
| **018-771** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "71" (affecting multiple DSAs) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |

| Error Code | Cause and Remedy |
|---|---|
| **018-780** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "80" (unknown error) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-781** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. Connection to the server cannot be established for the Address Book query.<br>[Remedy] Take one of the following measures:<br>• Confirm the network cable connection.<br>• If the network cable connection has no problem, confirm the active status of the target server.<br>• Check whether the server name has been correctly set for [LDAP Server/Directory Service Settings] under [Remote Authentication/Directory Service]. |
| **018-782** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "82" (program error or SASL authentication error) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-783** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "83" (encoding error) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-784** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "84" (decoding error) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-785** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "85" (timeout) for Address Book query.<br>[Remedy] Change the search conditions/start position to narrow the search range, and execute the operation again. If the error still is not resolved, consult your network administrator. |
| **018-786** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "86" (unknown authentication method) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-787** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "87" (search filter error) for Address Book query.<br>[Remedy] Confirm the search conditions set on Address Book. If the error still is not resolved, consult your network administrator. |
| **018-788** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "88" (user cancelled operation) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-789** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "89" (incorrect parameter) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |

| Error Code | Cause and Remedy |
|---|---|
| **018-790** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "90" (no memory) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-791** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "91" (server connection error) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-792** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "92" (unsupported feature) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-793** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "93" (no results returned) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-794** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "94" (no more results) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-795** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "95" (results remaining) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-796** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "96" (client loop detected) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **018-797** | [Cause] An LDAP server protocol error occurred as a result of the Address Book operation. The server returned RFC2251 Result Message No "97" (referral limit exceeded) for Address Book query.<br>[Remedy] Have your network administrator confirm the LDAP server status. |
| **021-210**<br>**021-211**<br>**021-212** | [Cause] An error occurred in the USB IC card reader.<br>[Remedy] Check the connection between the USB IC card reader and the machine. Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, the USB IC card reader may be defective. Connect an unbroken USB IC card reader and execute the operation again. |
| **021-213** | [Cause] There is a problem with the unit price table settings for the EP system.<br>[Remedy] The system administrator should exports the unit price table and modify it using CentreWare Internet Services. Set any number between 1 to 9999999 and import the table modified to the machine. |
| **021-214** | [Cause] An error occurred during encrypted communication between the machine and the USB memory device.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **021-215** | [Cause] The accounting/billing device connected does not match the device set on the machine.<br>[Remedy] Change the setting on the machine or connect the correct accounting/billing device, and switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. |
| **021-360**<br>**021-361** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **021-401** | [Cause] The number of authentication devices such as IC Card Reader connected exceeds the setting value.<br>[Remedy] Disconnect the authentication device connected. |
| **021-500** | [Cause] The following operation is performed when the Auditron mode for the Fax service is enabled.<br>• While a Send Fax job is processing, another job that the Auditron mode is enabled starts.<br>• While another job that the Auditron mode is enabled is processing, a Send Fax job starts.<br>[Remedy] Wait for the active job finishes, and start the next job. |
| **021-501** | [Cause] The communication with the EP system via the Internet failed.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **021-502** | [Cause] An error occurred while connecting to the EP system via the Internet. There is a problem with the address of the EP proxy server name.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **021-503** | [Cause] An error occurred while connecting to the EP system via the Internet. There is a problem with the address of the EP proxy server name.<br>[Remedy] Check the followings:<br>• LAN cable connection<br>• DNS server address setting<br>• The default gateway setting<br>• The subnet mask setting<br>If the error still is not resolved after checking the above settings, there may be a network failure or the proxy server settings may be changed or failed. Consult your system administrator.<br>If the network works normally but the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **021-504** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Check the followings:<br>• LAN cable connection<br>• DNS server address setting<br>• The default gateway setting<br>• The subnet mask setting<br>If the error still is not resolved after checking the above settings, there may be a network failure or the proxy server settings may be changed or failed. Consult your system administrator.<br>If the network works normally but the error still is not resolved, contact our Customer Support Center. |
| **021-505** | [Cause] The SSL/TLS communication with the EP server failed.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **021-506** | [Cause] The SSL Certificate for the EP server is incorrect.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **021-507** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Check the followings:<br>• The login user of the EP proxy server<br>• The password of the EP proxy server<br>If the error still is not resolved after checking the above settings, there may be a network failure or the proxy server settings may be changed or failed. Consult your system administrator.<br>If the network works normally but the error still is not resolved, contact our Customer Support Center. |
| **021-508** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Check the followings:<br>• LAN cable connection<br>• DNS server address setting<br>• The default gateway setting<br>• The subnet mask setting<br>If the error still is not resolved after checking the above settings, there may be a network failure or the proxy server settings may be changed or failed. Consult your system administrator.<br>If the network works normally but the error still is not resolved, contact our Customer Support Center. |
| **021-509** | [Cause] An error occurred while communicating with the EP server.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **021-510** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **021-511**<br>**021-512**<br>**021-513**<br>**021-514** | [Cause] The machine has already been specified with the EP server.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **021-515**<br>**021-516** | [Cause] The settings of the machine on the EP server is incorrect.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **021-517**<br>**021-518**<br>**021-519** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Wait for a while, and then execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **021-520**<br>**021-521**<br>**021-522** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Check the followings:<br>• LAN cable connection<br>• DNS server address setting<br>• The default gateway setting<br>• The subnet mask setting<br>Check the following for BB-Direct configuration:<br>• EP proxy server setting<br>If the error still is not resolved after checking the above settings, there may be a network failure or the DNS server failure. Consult your system administrator.<br>If the network works normally but the error still is not resolved, contact our Customer Support Center. |
| **021-523** | [Cause] An error occurred while communicating with the EP server.<br>[Remedy] Enable the SOAP port, switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **021-524**<br>**021-525**<br>**021-526**<br>**021-527**<br>**021-528** | [Cause] An error occurred while communicating with the EP server.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **021-529** | [Cause] The machine attempted to upgrade the software of the EP system via the Internet, but the latest software version is already installed.<br>[Remedy] Contact our Customer Support Center. |
| **021-530**<br>**021-531** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Wait for a while, and then execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **021-532**<br>**021-533**<br>**021-534**<br>**021-535** | [Cause] The machine attempted to upgrade the software of the EP system via the Internet, but the software upgrade failed.<br>[Remedy] Contact our Customer Support Center. |
| **021-536** | [Cause] The latest software version is not installed.<br>[Remedy] Reboot the machine and update the software to the latest version. (The machine automatically reboots again.) Then, execute the operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **021-700** | [Cause] The USB cable is unplugged or the USB interface may be out of order.<br>[Remedy] Confirm that the USB cable is connected and switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **021-701** | [Cause] The USB interface error occurred.<br>[Remedy] Retry after waiting for a while or confirm that the USB cable is connected and switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **021-731** | [Cause] While the EP system is available, you attempted to make color copies when the use of color is restricted.<br>[Remedy] Contact our Customer Support Center. |
| **021-732** | [Cause] The EP system is not available.<br>[Remedy] Contact our Customer Support Center. |
| **021-733** | [Cause] The EP system is not available because the use of color is restricted or the number of color pages reached the maximum.<br>[Remedy] Contact our Customer Support Center. |
| **021-750**<br>**021-751**<br>**021-770**<br>**021-771**<br>**021-772** | [Cause] An error occurred during maintenance or repair request and our Customer Support Center failed.<br>[Remedy] Check whether the phone line is connected correctly and wait for a while, and then execute the operation again.<br>If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **024-340**<br>**024-341**<br>**024-342**<br>**024-343**<br>**024-345**<br>**024-346**<br>**024-347**<br>**024-348**<br>**024-349**<br>**024-350**<br>**024-351**<br>**024-352**<br>**024-353**<br>**024-354**<br>**024-355**<br>**024-356**<br>**024-357**<br>**024-358**<br>**024-359**<br>**024-360**<br>**024-361**<br>**024-362**<br>**024-363**<br>**024-364**<br>**024-365**<br>**024-366**<br>**024-367**<br>**024-368**<br>**024-370**<br>**024-371**<br>**024-372**<br>**024-373**<br>**024-375**<br>**024-376** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **024-700** | [Cause] The memory capacity or hard disk required to use the optional feature is not installed.<br>[Remedy] Switch off the machine power, and then switch it on again after the touch screen goes out. If the error still is not resolved, contact our Customer Support Center. |
| **024-701** | [Cause] The specified paper type is not compatible with the Face Up/Down Output setting selected.<br>[Remedy] Specify a paper type that is compatible with the Face Up/Down setting. |
| **024-702** | [Cause] Paper jam occurred while [When Paper Jam Occurs] is set to [Delete Job] in [Print Service Settings].<br>[Remedy] Remove the jammed paper, and then try printing again. |
| **024-703** | [Cause] Unable to print because the number of booklet pages exceeds the maximum number allowed.<br>[Remedy] Use paper of less weight. Or, cancel the booklet creation. |

| Error Code | Cause and Remedy |
|---|---|
| **024-704** | [Cause] An error occurred while receiving a print job from Denshi-Pen.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **024-705** | [Cause] The template of the specified force annotation was not found in the machine.<br>[Remedy] Delete the document in the folder of the machine, and then select [Store to Folder] again from the print driver to store the document. |
| **024-706** | [Cause] A print job with digital codes is sent when [Force Watermark - Client Print] is set to [On].<br>[Remedy] Set [Allow User to Disable Active Settings] to [Disable Active Settings] under [Tools] > [Authentication / Security Settings]. |
| **024-742** | [Cause] Booklet printing was specified for printer properties, but the number of print pages for the job exceeded the maximum number allowed for booklet creation.<br>[Remedy] Change the printer properties setting to split the pages appropriately to create separate volumes, or to cancel the booklet creation setting. |
| **024-746** | [Cause] The specified paper type is not compatible with the specified paper size, paper tray, output tray, or 2 sided printing.<br>[Remedy] Confirm the print data. |
| **024-747** | [Cause] Incompatible print parameters are used. The combination of the specified features such as Document Size, Paper Size, Paper Tray, 2 sided printing, and Output Tray is incompatible.<br>[Remedy] Confirm the print data, and try printing again. |
| **024-748** | [Cause] The number of digits specified in [Bates Stamp - Number of Digits] screen does not match the value specified in [Starting Number].<br>[Remedy] Set [Bates Stamp - Number of Digits] to the value specified in [Starting Number] or to [Auto Assign]. |
| **024-775** | [Cause] Booklet printing was specified for printer properties, but the number of print pages for the job exceeded the maximum number allowed for booklet creation.<br>[Remedy] Change the printer properties setting to split the pages appropriately to create separate volumes, or to cancel the booklet creation setting. |
| **025-596**<br>**025-597** | [Cause] An error occurred with the hard disk.<br>[Remedy] Replace the hard disk. |
| **026-400** | [Cause] More than two devices are connected to the USB host port.<br>[Remedy] Disconnect the third or more devices so that the number of connected devices becomes two. If the error still is not resolved, switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. |
| **026-700** | [Cause] By Address Book operation, the machine received an unsupported protocol from the LDAP server.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **026-701** | [Cause] The number of queries submitted to the Address Book exceeded the machine's processing capability.<br>[Remedy] Wait for a while and execute the operation again. If the only one query is being submitted to the Address Book, the machine's software may be defective. Contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **026-702** | [Cause] The number of accesses from the LDAP server to the machine by Address Book operation exceeded the machine's processing capability.<br>[Remedy] Wait for a while and execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **026-703** | [Cause] Authentication is canceled when adding documents during faxing or scanning.<br>[Remedy] Authenticate when adding documents. |
| **026-704** | [Cause] An error occurred during processing DocuWorks documents.<br>[Remedy] Print using the print driver (PCL, etc.) from DocuWorks Viewer. |
| **026-705** | [Cause] Unable to process for DocuWorks documents because of insufficient memory space.<br>[Remedy] Change the [Image Quality] setting from [High Resolution] to [High Quality], or from [High Quality] to [Standard]. Or, add memory. If the error still is not resolved, increase memory. If the problem persists even after adding memory to the maximum capacity, print using the print driver (PCL, etc.) from DocuWorks Viewer. |
| **026-706** | [Cause] Attempted to print a DocuWorks document of which printing is prohibited.<br>[Remedy] Release the print prohibited settings using DocuWorks Viewer, and then execute the operation again. |
| **026-707** | [Cause] When processing password-protected DocuWorks documents, the password entered does not match that of the DocuWorks document.<br>[Remedy] Set the correct password on ContentsBridge. |
| **026-708** | [Cause] Exceeded the maximum limit for the scan data size that can be stored for one job with Store & Send Link.<br>[Remedy] Take one of the following measures:<br>1)Reduce the resolution (scan quality) of the scan parameters and execute the operation again.<br>2)Reduce the image with magnification of the scan parameters (such as A3 > A4) and then execute the operation again.<br>3)If [Store & Send Link - Maximum File Size] is set to a small value, increase the value. |
| **026-709** | [Cause] The capacity of the hard disk that can be used to store scan data with Store & Send Link is insufficient.<br>[Remedy] Wait around one day, and when capacity becomes available as a result of the automatic deletion of files, execute the operation again. |
| **026-710** | [Cause] The machine has received and e-mail encrypted by S/MIME, but does not support the encryption method.<br>[Remedy] Take one of the following measures:<br>• Ask the sender to send the e-mail encrypted by 3DES.<br>• Disable the FIPS140 validation mode of the machine. |
| **026-711** | [Cause] Exceeded the maximum size allowed for a multi-page file when scanning.<br>[Remedy] Take one of the following measures:<br>1)Reduce the resolution (scan quality) of the scan parameters and execute the operation again.<br>2)Reduce the number of document pages and then execute the operation again.<br>The maximum size is 2 GB for TIFF, XPS, and PDF, and 1 GB for XDW. |
| **026-712** | [Cause] An error occurred while operating from CentreWare Internet Services.<br>[Remedy] Retry after waiting for a while. |

| Error Code | Cause and Remedy |
|---|---|
| **026-718** | [Cause] Incompatible print parameters are used. The combination of the specified features such as Document Size, Paper Size, Paper Tray, 2 sided printing, and Output Tray is incompatible.<br>[Remedy] Confirm the print data, and try printing again. |
| **026-719** | [Cause] An error occurred while operating the Store to USB service.<br>[Remedy] Wait for a while and execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **026-720** | [Cause] The capacity of the USB memory device of the recipient is insufficient while performing the Store to USB service.<br>[Remedy] Confirm the amount of available space. |
| **026-721** | [Cause] An error occurred while operating the Store to USB service.<br>[Remedy] Check the following conditions:<br>• The USB memory device is inserted into the USB memory slot.<br>• The USB memory device is accessible from your computer.<br>• The unencrypted USB memory device is used. |
| **026-722** | [Cause] The USB memory device is not initialized.<br>[Remedy] Initialize the USB memory device on a computer with the following file format, and then execute the operation again.<br>• Supported file formats: FAT12, FAT16 (FAT), FAT32<br>**Note** • NTFS is not supported.<br>• A software-encrypted USB memory device is not supported.<br>If the error still is not resolved, contact our Customer Support Center. |
| **026-723** | [Cause] The machine failed to access to the medium.<br>[Remedy] 1)Check that the medium is not inserted or removed, or the other medium is not inserted, while the machine is referencing the medium.<br>2)Check that the file in the medium can be accessed via a computer. |
| **026-724**<br>**026-725** | [Cause] An error occurred while connecting to the EP system via the Internet.<br>[Remedy] Contact our Customer Support Center. |
| **026-726** | [Cause] The machine configuration information at a print job specification does not match the actual machine configuration.<br>[Remedy] Modify the machine configuration information in the print driver screen to match the actual machine configuration. |
| **026-727** | [Cause] Probable causes are as follows:<br>1)Unusable characters are included in the path name of the file location.<br>2)The length of the path name of the file location (including extension) exceeds the number of characters available.<br>[Remedy] Take one of the following measures:<br>1)Change the path name of the file location.<br>2)Set the path in the range of 1 to 255 bytes. |
| **026-730** | [Cause] The size of paper loaded in the specified tray is unknown.<br>[Remedy] Check whether the paper guides are correctly positioned in the tray, and then try again. |
| **026-736** | [Cause] An internal error occurred while sending the scanned document to the HTTP server.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **026-737** | [Cause] Unable to send the scanned document to the HTTP server because a network error occurred.<br>[Remedy] Consult your network administrator whether the network or the server have any problem. |
| **026-738** | [Cause] The machine failed to send scanned document data to the HTTP server because Web application is closed during it.<br>[Remedy] Execute the operation again. |
| **027-400** | [Cause] Communications with the machine failed.<br>[Remedy] If other messages are displayed, confirm their content. If the control panel is being operated, terminate the operation. If remote access is being executed, wait until it completes. If the error still is not resolved, switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power.<br>If the problem persists, contact our Customer Support Center. |
| **027-442** | [Cause] The IP address of IPv6 already exists.<br>[Remedy] Change the [Auto Stateless Address 1] for IPv6 on the machine, or the IP address of IPv6 on the network device, to remove the duplication of addresses. |
| **027-443** | [Cause] The IP address of IPv6 already exists.<br>[Remedy] Change the [Auto Stateless Address 2] for IPv6 on the machine, or the IP address of IPv6 on the network device, to remove the duplication of addresses. |
| **027-444** | [Cause] The IP address of IPv6 already exists.<br>[Remedy] Change the [Auto Stateless Address 3] for IPv6 on the machine, or the IP address of IPv6 on the network device, to remove the duplication of addresses. |
| **027-445** | [Cause] IP address for IPv6 set manually is incorrect.<br>[Remedy] Set the IP address correctly. |
| **027-446** | [Cause] The IP address of IPv6 set manually already exists.<br>[Remedy] Change the [Manually Configured IPv6 Address] on the machine, or the IP address of IPv6 on the network device, to remove the duplication of addresses. |
| **027-447** | [Cause] The IP address of IPv6 already exists.<br>[Remedy] Change the [Link-local Address] for IPv6 on the machine, or the IP address of IPv6 on the network device, to remove the duplication of addresses. |
| **027-452** | [Cause] IP address already exists.<br>[Remedy] Change the IP address set on the machine. |
| **027-500** | [Cause] Unable to connect to the SMTP server.<br>[Remedy] Specify the SMTP server name correctly or specify the server by using its IP address. |
| **027-501** | [Cause] An POP server error occurred.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **027-502** | [Cause] Failed to log into the POP3 server when using the POP3 protocol.<br>[Remedy] Confirm whether the user name and password used in the POP3 server are correct on CentreWare Internet Services. |
| **027-503** | [Cause] An POP server error occurred.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **027-504** | [Cause] A SMTP server error occurred.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **027-513** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because access to the SMB server was not permitted.<br>[Remedy] Consult your system administrator for settings. |
| **027-514** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because an error has been occurred between the SMB server and the DNS server.<br>[Remedy] Check the following conditions:<br>• The SMB server is connected to the DNS server.<br>• The SMB server name is registered on the DNS server. |
| **027-515** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because an error has been occurred.<br>[Remedy] Take the following measures:<br>• Set the DNS server address.<br>• Set the target SMB server address using IP address. |
| **027-516** | [Cause] Probable causes are as follows:<br>1)The SMB server of the destination computer cannot be found while transferring data using SMB of the Scan to PC service (TCP/IP session establishment failed).<br>2)The SMB server specified as the destination does not respond to the machine while transferring data using SMB of the Scan to PC service.<br>3)Failed to name resolution of the SMB server specified as destination to transfer data using SMB of the Scan to PC service.<br>[Remedy] 1)Take one of the following measures:<br>- Confirm the connection of the network cable.<br>- For communications over subnet, confirm the WINS server settings, and check whether the server address can be resolved correctly.<br>- File Sharing service (communicating via port 137 (UDP), port 138 (UDP), and port 139 (TCP)) is authorized for the Firewall settings of the destination SMB server.<br>2)Check whether the file sharing service is enabled on the destination SMB server.<br>- The file sharing service of Microsoft network is enabled.<br>If the error still is not resolved, check the following setting.<br>- NetBIOS over TCP/IP for TCP/IP is activated<br>3)Take one of the following measures:<br>- When the destination SMB server name is specified using the FQDN (example: mypc01.fuji0.co.jp), confirm that the DNS server address is set correctly in [Connectivity & Network Setup] of the machine.<br>- If the connection with the DNS server has any problem, check whether the destination server name set in the machine is registered on the DNS server. |
| **027-518** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because the specified password was incorrect.<br>When the server is Macintosh, the specified user may not have been registered as a user who is permitted to use Windows Sharing.<br>[Remedy] Confirm the password for the shared folder.<br>When the server is Macintosh, specify a user who is permitted to use Windows Sharing. |

| Error Code | Cause and Remedy |
|---|---|
| **027-519** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because the save location or file name specified for the scanned image had a problem.<br>• The save location or the file name has a problem.<br>• The specified save location does not exist on the server.<br>• Invalid characters are used in the save location or the file name.<br>• Because the specified save location has the Distributed File System (DFS) settings, it is linked to another shared folder.<br>[Remedy] Take one of the following measures:<br>• Check whether the save location is correct<br>• Check whether the specified file name can be used on the SMB server.<br>• Confirm the Distributed File System (DFS) settings with your system administrator. To confirm the settings, execute the following procedures:<br>1)Select [Start] > [Programs] > [Administrative Tools] > [Distributed File System] on the SMB server.<br>2)Select the specified save location from the left side frame of the [Distributed File System] window, and then confirm the target information displayed on the right side frame of the window.<br>3)Specify the SMB server, shared name, and save location based on the information you confirmed in step 2. |
| **027-520** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because the file name or folder name could not be retrieved.<br>[Remedy] Confirm the access privilege to the SMB server. |
| **027-521** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because the suffix of the name of the file or folder exceeded the limit value.<br>[Remedy] Change the file name or forwarding destination folder of the scan server. Or, try moving or deleting the files within the forwarding destination folder. |
| **027-522** | [Cause] During forwarding using SMB of the Scan to PC service, the scanned image file could not be created on the SMB server because of one of the following reasons:<br>• The specified file name already exists.<br>• The specified file name has already been used.<br>• The specified file name exists as a directory.<br>• Invalid characters are used in the file name.<br>[Remedy] Take one of the following measures:<br>• Check whether the specified file name can be used in the save location.<br>• Check whether the specified file name has been used by another user.<br>• Check whether the specified file name has been used for another file or folder. |
| **027-523** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because a folder could not be created on the SMB server. The specified folder already exists.<br>[Remedy] Check whether the specified name is being used for another file or folder on the SMB server. |
| **027-524** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because a folder could not be created on the SMB server. The specified folder already exists.<br>[Remedy] Check whether the specified name is being used for another file or folder on the SMB server. |

| Error Code | Cause and Remedy |
|---|---|
| **027-525** | [Cause] During forwarding using SMB of the Scan to PC service, a file could not be deleted from the SMB server because of one of the following reasons:<br>• The file does not exist.<br>• The file is opened.<br>• The specified file name is being used as a directory.<br>[Remedy] Check whether the file is not being used by another user at the specified save location. |
| **027-526** | [Cause] The machine failed to delete the lock directory on the SMB server while transferring data using SMB of the Scan to PC service.<br>[Remedy] If the lock directory (*.LCK) exists in the destination, delete it manually, and then execute the operation again. |
| **027-527** | [Cause] During forwarding using SMB of the Scan to PC service, a folder could not be deleted from the SMB server because of one of the following reasons:<br>• The file does not exist.<br>• The directory is not empty.<br>• The specified directory name does not exist.<br>[Remedy] Check whether the file is not being used by another user at the specified save location. |
| **027-528** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because no space is available at the save location on the SMB server.<br>[Remedy] Check whether the save location has free space. |
| **027-529** | [Cause] The machine failed to transfer data using SMB of the Scan to PC service because an unexpected error has been received from the SMB server, or an unexpected internal error has occurred on the machine.<br>[Remedy] Contact our Customer Support Center. |
| **027-530** | [Cause] There are duplicate file names.<br>[Do Not Save] is set as a handling method when names are duplicated for scanned files.<br>[Remedy] Set the process to be executed when file names are duplicate to other than [Do Not Save]. |
| **027-531** | [Cause] Detected an incorrect filing policy (when add was selected) after connecting to the server.<br>[Remedy] When [Rename New File] is set as the process to be executed when file names are duplicate, confirm that the file format is not multi-page. |
| **027-532** | [Cause] Failed to access the NEXTNAME.DAT file.<br>[Remedy] When [Rename New File] is set as the process to be executed when file names are duplicate, check the NEXTNAME.DAT file is correct. |
| **027-533** | [Cause] An internal error occurred.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **027-543** | [Cause] The SMB server (NetBIOS) name is invalid.<br>[Remedy] Check whether the server name of the SMB server is correct. |

| Error Code | Cause and Remedy |
|---|---|
| **027-547** | [Cause] SMB protocol error. An invalid character was detected in the specified domain name.<br>[Remedy] If the error occurred during SMB authentication:<br>Consult your network administrator for the domain name, and then set it correctly.<br>Also, check whether the domain name set on the machine is correct.<br>To confirm the settings, execute the following procedures:<br>1)Enter the System Administration mode, and select [Tools] > [Connectivity & Network Setup] > [Remote Authentication/Directory Service] > [SMB Server Settings].<br>2)Select the SMB server to confirm the domain name.<br>If the error occurred during transferring using SMB of the Scan to PC service:<br>Consult your network administrator whether the domain name specified when entering login name is correct.<br>To confirm the domain name on the server, execute the following procedures:<br>1)Select [Start] > [Programs] > [Administrative Tools] > [Active Directory Domains and Trusts] on the Active Directory domain controller.<br>2)From the left side frame of the [Active Directory Domains and Trusts] window, select [Active Directory Domains and Trusts] > [Domains]. Right-click [Domains] to select [Properties].<br>3)Select [General] tab in the domain properties window, and confirm the domain name (prior to Windows 2000). |
| **027-548** | [Cause] SMB protocol error. An invalid character was detected in the specified user name.<br>[Remedy] Have your network administrator set the user name on the server authorized characters.<br>To confirm the user name on the server, execute the following procedures:<br>1)Select [Start] > [Programs] > [Administrative Tools] > [Active Directory Users and Computers] on the Active Directory domain controller where the user information is set.<br>2)Select [Active Directory Users and Computers] > [Server] > [Domains] > [Users] from the left side frame of the [Active Directory Users and Computers] window, to display the user information.<br>3)Right-click the target user from the right side frame of the [Active Directory Domains and Trusts] window to select [Properties].<br>4)Select the [Account] tab in the [User Properties] window, and confirm the user name of [User Log On Name (Prior to Windows 2000)]. |
| **027-549** | [Cause] SMB protocol error<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **027-564** | [Cause] SMB protocol error. The SMB server was not found.<br>[Remedy] Check whether the connection between the authentication server and the machine has been established via a network.<br>For example, confirm the following conditions:<br>• Network cable connection<br>• TCP/IP settings<br>• Connection via Port 137 (UDP), Port 138 (UDP), and Port 139 (TCP) |
| **027-565** | [Cause] SMB protocol error<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **027-566** | [Cause] SMB protocol error. SMB (TCP/IP) is not active.<br>[Remedy] Confirm that SMB (TCP/IP) is active on the [Port Settings] screen of the [Properties] tab on CentreWare Internet Services. |
| **027-569** | [Cause] The SMB (TCP/IP) port is not activated.<br>[Remedy] Confirm that SMB (TCP/IP) is active on the [Port Settings] screen of the [Properties] tab on CentreWare Internet Services. |
| **027-572**<br>**027-573**<br>**027-574**<br>**027-576**<br>**027-578** | [Cause] SMB protocol error<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **027-584** | [Cause] SMB protocol error. The SMB server is in shared security mode.<br>[Remedy] The SMB server may be set on Windows 95, Windows 98, or Windows Me OS. Set the SMB server on an OS other than Windows 95, Windows 98, or Windows Me OS. |
| **027-585** | [Cause] SMB protocol error. Login is disabled at this time.<br>[Remedy] Confirm the period login permitted with your system administrator. |
| **027-586** | [Cause] SMB protocol error. The password has expired.<br>[Remedy] Obtain a valid password from your system administrator. |
| **027-587** | [Cause] SMB protocol error. The password must be changed.<br>[Remedy] Log into Windows, and change the password. Ask your system administrator to change the setting so that you do not need to change the login password next time. |
| **027-588** | [Cause] SMB protocol error. The user is invalid.<br>[Remedy] Ask your system administrator to validate the user. |
| **027-589** | [Cause] SMB protocol error. The user was locked out.<br>[Remedy] Ask your system administrator to cancel the lockout status. |
| **027-590** | [Cause] SMB protocol error. The user account has expired.<br>[Remedy] Obtain a valid user account from your system administrator. Or, ask your system administrator to extend the account expiration date. |
| **027-591** | [Cause] SMB protocol error. Users are restricted. A blank password is invalid.<br>[Remedy] Set the password for the user. |
| **027-700** | [Cause] The domain section of the recipient's e-mail address is a prohibited domain.<br>[Remedy] Specify a domain that is not prohibited for the domain section of the recipient's e-mail address. |
| **027-701** | [Cause] The network cable is disconnected from the machine.<br>[Remedy] Connect the network cable securely if the cable is disconnected. |
| **027-702** | [Cause] The specified recipient's certificate does not exist.<br>[Remedy] Register the certificate for the recipient on the machine. |
| **027-703** | [Cause] The specified recipient's certificate has expired.<br>[Remedy] Register a valid certificate for the recipient on the machine. |
| **027-704** | [Cause] The CA certificate of the specified recipient's certificate does not exist.<br>[Remedy] Confirm the path to the recipient's certificate, and register the required CA certificate on the machine. |

| Error Code | Cause and Remedy |
|---|---|
| **027-705** | [Cause] The specified recipient's certificate has been revoked.<br>[Remedy] Specify a valid certificate for the recipient. |
| **027-706** | [Cause] Unable to find the S/MIME certificate associated with the machine's e-mail address when sending e-mail.<br>[Remedy] Import the S/MIME certificate corresponding to the mail address to the machine. |
| **027-707** | [Cause] The S/MIME certificate associated with the machine's e-mail address has expired when sending e-mail.<br>[Remedy] Ask the sender to issue a new S/MIME certificate, and then import the certificate to the machine. |
| **027-708** | [Cause] The S/MIME certificate associated with the machine's e-mail address is not reliable when sending e-mail.<br>[Remedy] Import a reliable S/MIME certificate to the machine. |
| **027-709** | [Cause] The S/MIME certificate associated with the machine's e-mail address has been discarded when sending e-mail.<br>[Remedy] Import a new S/MIME certificate to the machine. |
| **027-710** | [Cause] No S/MIME certificate is attached to the received e-mail.<br>[Remedy] Ask the sender to send the e-mail with an S/MIME certificate attached. |
| **027-711** | [Cause] No S/MIME certificate could not be obtained from the received e-mail.<br>[Remedy] Import the sender's S/MIME certificate to the machine, or ask the sender to send S/MIME signature mail with an S/MIME certificate attached. |
| **027-712** | [Cause] The received S/MIME certificate has expired, or is an unreliable certificate.<br>[Remedy] Ask the sender to send the e-mail with a valid S/MIME certificate attached. |
| **027-713** | [Cause] The received e-mail has been discarded because it may have been altered on its transmission route.<br>[Remedy] Inform this error to the sender, and ask the sender to send the e-mail again. |
| **027-714** | [Cause] The received e-mail has been discarded because the address in its From field differed from the mail address in the S/MIME signature mail.<br>[Remedy] Inform the sender that the mail addresses differ, and ask the sender to send the e-mail again. |
| **027-715** | [Cause] The received S/MIME certificate has not been registered on the machine, or has not been set for use on the machine.<br>[Remedy] Import the sender's S/MIME certificate to the machine, or change settings to use the S/MIME certificate on the machine if the S/MIME certificate has already been registered. |
| **027-716** | [Cause] The received S/MIME certificate has been discarded because the certificate was unreliable.<br>[Remedy] Ask the sender to send the e-mail with a reliable S/MIME certificate attached. |
| **027-717** | [Cause] Unable to obtain SMTP server address for e-mail transmissions from the DNS server.<br>[Remedy] Check whether the DNS server is set correctly. |
| **027-720** | [Cause] Unable to find the server of an application interface destination.<br>[Remedy] Confirm the DNS server address. Or, check whether the computer on which the application (ApeosWare Flow Service) is installed has been registered on the DNS server. |
| **027-721** | [Cause] An application interface destination does not exist.<br>[Remedy] Check whether the application linked (ApeosWare Flow Service) is operating correctly. |

| Error Code | Cause and Remedy |
|---|---|
| **027-722** | [Cause] The jobs timed out during connection with an application interface destination.<br>[Remedy] Try processing the job flow again. |
| **027-723** | [Cause] Authentication at the application interface destination (ApeosWare Flow Service) failed.<br>[Remedy] Confirm the user name and password that is used when creating a job flow. |
| **027-724** | [Cause] An application interface destination (ApeosWare Flow Service) could not be accessed.<br>[Remedy] Check whether ApeosWare Flow Service is operating correctly. If it is operating correctly, confirm the log. |
| **027-725** | [Cause] A job operation failed using an application interface.<br>[Remedy] Check whether the application linked (ApeosWare Flow Service) is operating correctly. If it is operating correctly, confirm the log. If it is not operating, confirm the network environment. |
| **027-726** | [Cause] The status of the application interface destination (ApeosWare Flow Service) is unknown.<br>[Remedy] Check whether ApeosWare Flow Service is operating correctly. If it is operating correctly, confirm the log. |
| **027-727** | [Cause] A parameter is illegal during an application interface.<br>[Remedy] Try processing the job flow again. |
| **027-728** | [Cause] The number of files that are to be sent to external services exceeded the maximum number.<br>[Remedy] Reduce the number of files, and send them again. |
| **027-730** | [Cause] The number of the document pages attached to the SMTP mail exceeds the maximum number of pages allowed for the Split Send feature.<br>[Remedy] Increase the number of pages allowed for the Split Send feature, or reduce the number of the document pages. |
| **027-731** | [Cause] An error occurred in the machine.<br>[Remedy] After the scanning for Network Scanning completes, execute the operation again. |
| **027-732** | [Cause] The Network Scanning server is full, or a server disk error occurred.<br>[Remedy] Check the amount of available disk space. If the disk space is sufficient and the error still is not resolved, check the status of the disk of the server. |
| **027-733** | [Cause] The SSL setting on the Network Scanning server is disabled.<br>[Remedy] Enable the SSL setting of the Network Scanning server. |
| **027-734** | [Cause] The certificate of the server used for Network Scanning is not set correctly.<br>[Remedy] Check the followings:<br>• The Network Scanning server is accessible from your computer using HTTPS protocol.<br>• The SSL server certificate of the Network Scanning server is registered on the machine.<br>• The SSL server certificate of the Network Scanning server is correct.<br>• When the certificate is not registered on the Network Scanning server, disable the server certificate validation feature of the machine. |
| **027-735** | [Cause] The data transfer using SSL is specified, but the SSL setting of the machine is disabled.<br>[Remedy] Enable the SSL setting, or specify HTTP for the transfer protocol. |

| Error Code | Cause and Remedy |
|---|---|
| **027-736** | [Cause] The server certificate verification feature of the machine is disabled when the server certificate verification is required.<br>[Remedy] Enable the server certificate validation. Or, disable the server certificate validation for data transfer. |
| **027-737** | [Cause] An error occurred while reading data from the pool server for job templates.<br>[Remedy] Check on the directory where the job templates are stored, and confirm whether the settings including the access privilege are correct. |
| **027-739** | [Cause] A specified pool server for job templates cannot be found.<br>[Remedy] Confirm the path name of the pool server for job templates. |
| **027-740** | [Cause] Login to the pool server for job templates failed.<br>[Remedy] Confirm whether the login user name and the login password are correct. |
| **027-741** | [Cause] Unable to connect to the pool server for job templates.<br>[Remedy] Consult your network administrator for the network environment and the server configuration. |
| **027-742** | [Cause] The capacity of the hard disk is insufficient and job templates cannot be stored.<br>[Remedy] Delete unnecessary data from the hard disk to free up disk space. |
| **027-743** | [Cause] The settings of the pool server for job templates is not correct.<br>[Remedy] Confirm whether the settings of the pool server for job templates are correct. |
| **027-744** | [Cause] A problem with the domain name of the pool server for job templates.<br>[Remedy] Confirm the DNS server connection and check whether the domain name is registered on the DNS server. |
| **027-745** | [Cause] DNS server address is not registered on the machine.<br>[Remedy] Register the DNS server address on the machine or set the address of the pool server for job templates as IP address. |
| **027-746** | [Cause] The protocol setting of the pool server for job templates is not correct.<br>[Remedy] Enable a proper port. |
| **027-750** | [Cause] Attempted to execute a fax, a print, or an Internet fax transmission to the scanned document.<br>[Remedy] The Fax, Print, or Internet Fax features are unavailable for scanned documents. Set the job flow correctly. |
| **027-751** | [Cause] An error occurred during job flow processing.<br>[Remedy] Confirm the settings of the job flow. |
| **027-752** | [Cause] A mandatory entry field is blank in the job flow.<br>[Remedy] Take one of the following measures:<br>• Do not link folders to job flows that have mandatory entry fields.<br>• Set the default values to the mandatory fields of the job flow. |
| **027-753** | [Cause] 1)Attempted to execute the service while the port necessary for the job flow is either deactivated or disabled.<br>2) Attempted to execute a job flow to send e-mail using the Encryption or Digital Signature feature while S/MIME communication is disabled.<br>[Remedy] For 1), have your system administrator confirm the port status.<br>For 2), enable S/MIME communication, or modify the job flow so that e-mail is sent by not using the Encryption or Digital Signature feature. |

| Error Code | Cause and Remedy |
|---|---|
| **027-754** | [Cause] [DocuWorks Signature] or [PDF Signature] is set inconsistency in the job flow.<br>[Remedy] Check the DocuWorks and PDF signatures for both the system data settings (machine's current settings) and the executed job flow settings. If these settings differ, coordinate them. |
| **027-761** | [Cause] An on-demand print job was sent to the machine using the Web Applications feature, but the time interval from receiving the print job until starting the print processing exceeded the time limit specified on the machine.<br>[Remedy] When multiple documents are to be printed, reduce the number of documents, and then execute the operation again.<br>When on-demand printing is executed using the Web Application feature, the print processing time is limited. Consequently if many documents are to be printed or if print processing takes time, a timeout may occur before all the data are received. To resolve this problem, change the time limit value according to the document volume and type. If the error still is not resolved, contact our Customer Support Center. |
| **027-762** | [Cause] An on-demand print job is sent to the machine using the Web Applications feature, however, the specified job ticket is invalid because of one of the following causes:<br>• Abnormal change to the job ticket because of the machine software failure<br>• Abnormal change to the job ticket because of a bug on the sender's remote server<br>• Abnormal change to the job ticket because of network trouble<br>• Intentional alteration to the job ticket<br>[Remedy] Execute the print job again. If the error still is not resolved, contact our Customer Support Center. |
| **027-763** | [Cause] The machine failed to verify the user information against the remote accounting server.<br>[Remedy] Take one of the following measures:<br>• Check whether the remote accounting server is operating properly.<br>• Check whether there is no network failure.<br>• Connect the network cable securely.<br>• Confirm the settings on the machine. |
| **027-770** | [Cause] The print job has a problem.<br>[Remedy] Submit the print job again. |
| **027-771** | [Cause] The hard disk of the server connected to the machine is full.<br>[Remedy] Delete unnecessary data from the server. |
| **027-772** | [Cause] An error occurred during communication with the SMTP server.<br>[Remedy] Use ASCII characters to modify the host name that has been specified under [Tools] > [Connectivity & Network Setup] > [Machine's E-mail Address/Host Name]. If the error still is not resolved, confirm with your network administrator whether the SMTP server supports the HELO command. |
| **027-773** | [Cause] An error occurred during communication with the SMTP server.<br>[Remedy] Wait for a while, and then execute the operation again. |
| **027-774** | [Cause] The specified e-mail address contains unsupported characters.<br>[Remedy] Specify the e-mail address using only ASCII characters. |
| **027-775** | [Cause] Too many destination addresses have been specified.<br>[Remedy] Reduce the number of destination addresses. If the error still is not resolved, confirm with your network administrator whether the SMTP server supports the EHLO command. |

| Error Code | Cause and Remedy |
|---|---|
| **027-776** | [Cause] An error occurred during communication with the SMTP server.<br>[Remedy] Use ASCII characters to modify the host name that has been specified under [Tools] > [Connectivity & Network Setup] > [Machine's E-mail Address/Host Name]. If the error still is not resolved, confirm with your network administrator whether the SMTP server supports the EHLO command. |
| **027-777** | [Cause] The destination SMTP server does not support SMTP-AUTH.<br>[Remedy] Set [E-mail Send Authentication] to [Off] under [Tools] > [Connectivity & Network Setup] > [Outgoing/Incoming E-mail Settings] > [SMTP Server Settings]. |
| **027-778** | [Cause] The destination SMTP server does not support the SMTP-AUTH system set on the machine.<br>[Remedy] Confirm the authentication type supported by the SMTP server with your network administrator. The machine supports the following authentication types: PLAIN (plain text) authentication, LOGIN (BASE64) authentication, and CRAM-MD5 (challenge-response). |
| **027-779** | [Cause] Failed to authenticate the SMTP server.<br>[Remedy] Confirm the login name and password set to SMTP-AUTH. |
| **027-796** | [Cause] The received e-mail was discarded because no documents were attached to it. (The machine is set to print attached documents only.)<br>[Remedy] To print the mail body or header information also, change settings in the [Properties] screen of CentreWare Internet Services.<br>Refer to "11 Computer Operations" > "E-mail Printing" in the User Guide. |
| **027-797** | [Cause] The output destination of the received e-mail is invalid.<br>[Remedy] Specify a correct output destination, and send the e-mail again. |

| Error Code | Cause and Remedy |
|---|---|
| **033-310**<br>**033-311**<br>**033-312**<br>**033-313**<br>**033-314**<br>**033-315**<br>**033-316**<br>**033-317**<br>**033-318**<br>**033-319**<br>**033-320**<br>**033-321**<br>**033-322**<br>**033-323**<br>**033-324**<br>**033-325**<br>**033-326**<br>**033-327**<br>**033-328**<br>**033-329**<br>**033-331**<br>**033-332**<br>**033-333**<br>**033-334**<br>**033-335**<br>**033-336**<br>**033-338**<br>**033-339** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **033-500**<br>**033-501** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the recipient, and then execute the operation again. If receiving, ask the sender to send again. |
| **033-502** | [Cause] A response is not received for the fax.<br>[Remedy] Confirm the recipient, and then execute the operation again. Also, confirm the recipient's machine (memory is full, machine is being maintained, or other conditions), and execute the operation again. |
| **033-503**<br>**033-504** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. |
| **033-505** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the recipient, and then execute the operation again. If receiving, ask the sender to send again. |
| **033-506** | [Cause] Communication was terminated at the recipient's machine.<br>[Remedy] The job may have been canceled at the recipient. If the job was not canceled, check whether the other machine has a problem, and execute the operation again. |
| **033-507** | [Cause] The recipient's machine cannot receive.<br>[Remedy] Confirm the recipient's machine (memory is full, machine is being maintained, or other conditions), and execute the operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **033-508** | [Cause] No spooling documents exist at the other machine.<br>[Remedy] Ask the other party to prepare polling documents, and execute the operation again. |
| **033-509** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. If the error still is not resolved, confirm the condition of the other machine. |
| **033-510** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the condition of the line and the other machine, and execute the operation again. |
| **033-511** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the following conditions:<br>• Whether a polling document exists at the other machine<br>• Whether a document is jammed at the other machine<br>• Whether the passwords match |
| **033-512** | [Cause] The other party cannot execute Relay Broadcast.<br>[Remedy] Confirm whether the other party can execute Relay Broadcast. |
| **033-513** | [Cause] The other machine does not have the Folder feature.<br>[Remedy] Confirm whether the other machine has the Folder feature. |
| **033-514** | [Cause] An error occurred during fax transmission.<br>[Remedy] Ask the sender to send again. |
| **033-516** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the recipient, and then execute the operation again. If receiving, ask the sender to send again. |
| **033-517** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. If the error still is not resolved, confirm the condition of the other machine. |
| **033-518** | [Cause] The other machine cannot correspond to reception of SUB.<br>[Remedy] Check whether the other machine can correspond to reception of SUB, and execute the operation again. |
| **033-519** | [Cause] The other machine cannot correspond to reception of SEP.<br>[Remedy] Check whether the other machine can correspond to reception of SEP, and execute the operation again. |
| **033-520** | [Cause] The other machine cannot correspond to reception of PWD/SID.<br>[Remedy] Check whether the other machine can correspond to reception of PWD/SID, and execute the operation again. |
| **033-521** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the condition of the machine (memory is full, paper has run out, or other conditions), and execute the operation again. |
| **033-522** | [Cause] An error occurred during fax transmission.<br>[Remedy] Ask the sender to execute the operation again. |
| **033-523** | [Cause] The line (Channel 1) is not connected correctly.<br>[Remedy] Confirm the connection of the line (Channel 1) and connect it correctly, and then execute the operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **033-524** | [Cause] The line (Channel 2) is not connected correctly.<br>[Remedy] Confirm the connection of the line (Channel 2) and connect it correctly, and then execute the operation again. |
| **033-525** | [Cause] The line (Channel 3) is not connected correctly.<br>[Remedy] Confirm the connection of the line (Channel 3) and connect it correctly, and then execute the operation again. |
| **033-526** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the model of the sender's machine, and then execute the operation again. If receiving, ask the sender to send again. |
| **033-527** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the other machine has a problem, and then execute the operation again. |
| **033-528** | [Cause] An error occurred during fax transmission.<br>[Remedy] Ask the sender to send again. |
| **033-529** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm the other machine has a problem, and then execute the operation again. |
| **033-530** | [Cause] Received a procedure disabled signal.<br>[Remedy] Confirm the procedure for DTMF in the User Guide, and then execute the operation again. |
| **033-531** | [Cause] Received a command rejection signal.<br>[Remedy] Confirm the condition of the other machine (memory is full, paper has run out, or other conditions), and execute the operation again. |
| **033-532**<br>**033-533** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. If receiving, ask the sender to send again. |
| **033-534** | [Cause] The other machine does not offer a feature to print the number of document sets sent.<br>[Remedy] Do not specify multiple sets. |
| **033-535** | [Cause] An error occurred during fax transmission.<br>[Remedy] Confirm information such as the recipient and folder information, and execute the operation again. |
| **033-536**<br>**033-537** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. |
| **033-538**<br>**033-539**<br>**033-540** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **033-541** | [Cause] The recipient is not specified.<br>[Remedy] Specify the recipient correctly. |
| **033-542** | [Cause] A line was specified that is not connected.<br>[Remedy] Specify a connected line. |
| **033-543** | [Cause] The recipient (fax number) is incorrect.<br>[Remedy] Enter a correct fax number, and execute the operation again. |
| **033-544** | [Cause] The recipient's line is busy.<br>[Remedy] Wait for a while, and then execute the operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **033-545** | [Cause] The other machine may not be a facsimile.<br>[Remedy] Check whether the other machine is a facsimile. |
| **033-546** | [Cause] A dial tone was not detected.<br>[Remedy] Check whether the line is connected correctly. |
| **033-547** | [Cause] Communication was terminated by a cause such as pressing the <Stop> button.<br>[Remedy] No measure is required. |
| **033-548** | [Cause] Cannot transmit manually because a line is unavailable.<br>[Remedy] Establish communication such as by telephone, and execute the operation again. |
| **033-549** | [Cause] Cannot use the Fax service because of causes such as memory is insufficient.<br>[Remedy] Wait for a while, and execute the operation again. |
| **033-550** | [Cause] Cannot execute another job because fax communication is in progress.<br>[Remedy] Wait until the job being communicated completes, and then execute the operation again. |
| **033-551** | [Cause] You attempted to change a job immediately before fax or telephone communication completed.<br>[Remedy] Wait for a while, and execute the operation again. |
| **033-552** | [Cause] The total quantity of error lines detected with G3 exceeded the set value.<br>[Remedy] Confirm the model of the other machine, and execute the operation again. If receiving, ask the sender to send again. |
| **033-553** | [Cause] This machine does not have confidential or relay function. The F-code sent from the other machine contains an instruction for a function not supported by the machine.<br>[Remedy] If necessary, check whether the sender entered an invalid F-code. |
| **033-554** | [Cause] The password was omitted or did not match in fax communication.<br>[Remedy] No measure is required. |
| **033-555** | [Cause] The password received from the other machine did not match the password for receiving faxes on the machine.<br>[Remedy] Check whether the sender specified an incorrect machine password. |
| **033-556** | [Cause] The password sent to the other machine did not match the password for receiving faxes on the other machine.<br>[Remedy] If necessary, check whether the correct machine password has been instructed to the other machine. |
| **033-557** | [Cause] The number of services or of recipients exceeds the maximum limit.<br>[Remedy] Wait until the number of jobs awaiting transmission decreases, or reduce the number of recipients, and then send again. |
| **033-558** | [Cause] The machine is set to reject faxes without a remote ID, and a remote ID was not sent from the other machine.<br>[Remedy] Ask the sender to set a remote ID. If necessary, set the machine to receive even when a remote ID is not sent. |
| **033-559** | [Cause] The authentication ID is incorrect.<br>[Remedy] An error occurred during operation of the maintenance system by Fuji Xerox. When the communication line is available, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **033-560**<br>**033-561**<br>**033-562** | [Cause] An error occurred during remote maintenance work.<br>[Remedy] This is an error occurring during remote maintenance work by Fuji Xerox. No measure is required. |
| **033-563** | [Cause] Paper that can print faxed documents is not loaded in a tray.<br>[Remedy] Take one of the following measures:<br>• Specify the paper size.<br>• Confirm whether the paper tray is set correctly. |
| **033-564** | [Cause] The machine was turned off during communication.<br>[Remedy] Wait for a while, confirm the fax service settings and the fax number, and then send again if sending. If the error still is not resolved, contact our Customer Support Center. |
| **033-565** | [Cause] Cannot send because too many recipients are specified.<br>[Remedy] Wait until the number of jobs awaiting transmission decreases, or reduce the number of recipients, and then send again. |
| **033-566** | [Cause] Cannot send because the recipient (fax number) is not specified.<br>[Remedy] Correctly specify the recipient's fax number. |
| **033-567** | [Cause] The recipient (fax number) is incorrect.<br>[Remedy] Correctly enter the recipient's fax number, and execute the operation again. |
| **033-568** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. If receiving, ask the sender to send again. If the error still is not resolved, contact our Customer Support Center. |
| **033-569** | [Cause] Paper in the tray is not loaded in the direction that the received fax data can be printed.<br>[Remedy] Load paper in Tray 5 according to the direction displayed on the screen. |
| **033-570** | [Cause] The machine was turned off during communication.<br>[Remedy] Wait for a while, confirm the Fax service settings and the fax number, and then send again if sending. If the error still is not resolved, contact our Customer Support Center. |
| **033-571** | [Cause] Cannot use the Fax service because of causes such as memory is insufficient.<br>[Remedy] Cancel the fax data in the queue, or wait for a while, and execute the operation again. |
| **033-572** | [Cause] The data received is not printed.<br>[Remedy] No measure is required. The data will be printed after a while. |
| **033-573** | [Cause] Attempted to send an IP fax (SIP) to the recipient (domain) that transmissions are not permitted.<br>[Remedy] Take one of the following measures:<br>• Confirm the recipient and re-specify a recipient.<br>• Check the setting for Block Domains and re-specify a recipient. |
| **033-574** | [Cause] An unavailable line is specified.<br>[Remedy] Specify an available line. |
| **033-575** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. |
| **033-576** | [Cause] The recipient (fax number) is incorrect.<br>[Remedy] Enter a correct fax number, and execute the operation again. |
| **033-577** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **033-578** | [Cause] An error occurred during fax receiving.<br>[Remedy] Confirm the status of the line and the recipient machine, and then ask the sender to send again. |
| **033-580** | [Cause] No VoIP gateway is registered corresponding to the fax number entered.<br>[Remedy] Specify the VoIP gateway address corresponding to the fax number entered. |
| **033-581** | [Cause] Unable to connect to the SIP server because of an authentication error.<br>[Remedy] Confirm the settings of login user name, login password, and SIP server under [SIP Settings] > [SIP Proxy Server Setup]. |
| **033-582** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Check whether or not the recipient's machine supports IP fax (SIP). If it is IP fax-enabled device, confirm the settings on the SIP server. |
| **033-583** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Wait for a while, and execute the operation again. |
| **033-584** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Confirm the following conditions:<br>• Whether the address or fax number entered is correct<br>• Whether the network cable is connected<br>• Whether the SIP server is enabled<br>• Whether the network cable between the machine and the SIP server connected<br>• Whether the network cable between the machine and the recipient connected<br>• Whether the status of the SIP server and the recipient is available for communications |
| **033-585** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Contact our Customer Support Center. |
| **033-586** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Wait for a while, and execute the operation again. And confirm the following conditions:<br>• Whether an IP address can be obtained<br>• Whether the machine can register to the registrar server |
| **033-587** | [Cause] An error occurred during IP fax (SIP) transmission<br>[Remedy] Confirm the following conditions:<br>• Whether the network cable is connected<br>• Whether the recipient machine is on |
| **033-588** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Execute the operation again. If another job is being processed, execute the operation again. |
| **033-589** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Check whether or not the recipient's machine supports IP fax (SIP). If it is IP fax-enabled device, contact our Customer Support Center. |
| **033-590** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Confirm the following conditions:<br>• Whether the network cable is connected<br>• Whether the recipient machine is on |
| **033-591** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Execute the operation again after another processing job finishes. |

| Error Code | Cause and Remedy |
|---|---|
| **033-592** | [Cause] An error occurred during IP fax (SIP) transmission.<br>[Remedy] Confirm the following conditions:<br>• Whether the network cable is connected<br>• Whether the recipient machine is on |
| **033-593** | [Cause] An IP fax (SIP) was cancelled at the sender.<br>[Remedy] Ask the sender to send again. |
| **033-710** | [Cause] The document to be sent by polling was deleted.<br>[Remedy] Store the document again. |
| **033-712** | [Cause] Unable to process because of insufficient memory.<br>[Remedy] Delete unnecessary data. |
| **033-713** | [Cause] An error occurred during fax transmission.<br>[Remedy] Contact our Customer Support Center. |
| **033-716** | [Cause] The folder specified from the sender's machine does not exist.<br>[Remedy] Register the folder.<br>Refer to "Create Folder" (P.250). |
| **033-717** | [Cause] The folder passcode specified from the sender's machine is incorrect. Or, the machine passcode for reception is incorrect.<br>[Remedy] Inform the correct information to the sender's machine. |
| **033-718** | [Cause] Fax or polling documents do not exist in the folder specified from the sender's machine.<br>[Remedy] Store fax or polling documents into the folder as necessary. |
| **033-719** | [Cause] The document may be deleted by turning the machine off and then on.<br>[Remedy] Retry sending. |
| **033-721** | [Cause] An error occurred during fax transmission.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **033-724** | [Cause] The reception was interrupted because the image volume exceeded the upper limit.<br>[Remedy] Install the Extension System Memory to increase the maximum volume of image data. |
| **033-725** | [Cause] The hard disk is full.<br>[Remedy] Delete unnecessary data from the hard disk to free up disk space. |
| **033-726** | [Cause] The received document was printed with 1 sided printing, because 2 sided printing is not available for mixed sized documents.<br>[Remedy] No measure is required. |
| **033-728** | [Cause] The auto print formatting of the received fax document was interrupted by a manual print operation.<br>[Remedy] No measure is required. The machine will automatically start the auto print job after manual printing completes. |
| **033-731** | [Cause] The printing of the received fax document was interrupted.<br>[Remedy] The auto print processing of the received fax document was interrupted by a manual print operation. No measure is required. |

| Error Code | Cause and Remedy |
|---|---|
| **033-732** | [Cause] An error occurred while connecting to the EP system.<br>[Remedy] This is an error occurring during maintenance work by Fuji Xerox. No measure is required. |
| **033-733** | [Cause] An error occurred during fax transmission.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **033-734** | [Cause] Because a report job was instructed while preparing to print a received fax, the printing of the received fax is temporarily suspended.<br>[Remedy] No measure is required. |
| **033-735** | [Cause] An error occurred during fax transmission.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **033-736** | [Cause] The forwarding job was interrupted because the data volume exceeded the upper limit.<br>[Remedy] No measure is required. |
| **033-737** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **033-738** | [Cause] Received abnormal JBIG data.<br>[Remedy] No measure is required. |
| **033-740** | [Cause] The printing of the received fax document was interrupted.<br>[Remedy] No measure is required. |
| **033-741** | [Cause] An error occurred during fax transmission.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **033-742** | [Cause] An error occurred during fax transmission. This error may occur if the remaining capacity of the machine's memory is 10 % or less and Manual Send is used.<br>[Remedy] If this error was caused when using Manual Send, connect the line after storing the document, and then send. If the error still is not resolved, delete unnecessary data from the hard disk to free up disk space, and execute the operation again.<br>If the error persists, contact our Customer Support Center. |
| **033-743**<br>**033-744**<br>**033-745**<br>**033-746** | [Cause] An error occurred during fax transmission.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Try again. If the error still is not resolved, contact our Customer Support Center. |
| **033-747** | [Cause] The job is temporarily suspended.<br>[Remedy] No measure is required. |
| **033-749** | [Cause] The machine will automatically recover and print the document.<br>[Remedy] No measure is required. |
| **033-750** | [Cause] An error occurred during fax transmission.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. Try again. If the error still is not resolved, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **033-751** | [Cause] An activity report output occurred during the printer lockout duration. Outputting the activity report was suspended because the machine was in the Sleep mode.<br>[Remedy] No measure is required because the machine will output the report after exiting the Sleep mode. |
| **041-310** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **041-324** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **041-325**<br>**041-326**<br>**041-327**<br>**041-328** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **041-329**<br>**041-330**<br>**041-331**<br>**041-332**<br>**041-334**<br>**041-335** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **041-340**<br>**041-341**<br>**041-342**<br>**041-347** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **041-500**<br>**041-501** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **042-313**<br>**042-323**<br>**042-325**<br>**042-330**<br>**042-337** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **045-310**<br>**045-311**<br>**045-313** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **045-321**<br>**045-322**<br>**045-331**<br>**045-332**<br>**045-350**<br>**045-351**<br>**045-352** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **047-211** | [Cause] An error occurred in the Offset Stacking Unit.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **047-213** | [Cause] Detected the installation of a finisher of a different type than expected.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **047-216** | [Cause] An error occurred while detecting the finisher.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **047-320** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **061-320**<br>**061-334**<br>**061-340** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **062-277** | [Cause] A communication error occurred between the document scanning unit and the document feeder.<br>[Remedy] Contact our Customer Support Center. |
| **062-311**<br>**062-345**<br>**062-360**<br>**062-362**<br>**062-371**<br>**062-380**<br>**062-386**<br>**062-389**<br>**062-393**<br>**062-395**<br>**062-396**<br>**062-397**<br>**062-398** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **062-500** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **062-790** | [Cause] Copying of the scanned document is prohibited.<br>[Remedy] Refer to "1 Before Using the Machine" > "Legal Notice" in the User Guide. |
| **071-210** | [Cause] Tray 1 malfunction<br>[Remedy] Confirm the paper loading condition for the Tray, and then switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. You can use a tray other than Tray 1. |

| Error Code | Cause and Remedy |
|---|---|
| **071-212** | [Cause] Tray 1 malfunction<br>[Remedy] Execute the operation again. |
| **072-210** | [Cause] Tray 2 malfunction<br>[Remedy] Confirm the paper loading condition for the Tray, and then switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. You can use a tray other than Tray 2. |
| **072-212** | [Cause] Tray 2 malfunctioned<br>[Remedy] Contact our Customer Support Center. You can use a tray other than Tray 2. |
| **073-210** | [Cause] Tray 3 malfunction<br>[Remedy] Confirm the paper loading condition for the Tray, and then switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. You can use a tray other than Tray 3. |
| **073-212** | [Cause] Tray 3 malfunction<br>[Remedy] Contact our Customer Support Center. You can use a tray other than Tray 3. |
| **074-210** | [Cause] Tray 4 malfunction<br>[Remedy] Confirm the paper loading condition for the Tray, and then switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. You can use a tray other than Tray 4. |
| **074-212** | [Cause] Tray 4 malfunction<br>[Remedy] Contact our Customer Support Center. You can use a tray other than Tray 4. |
| **077-211**<br>**077-212** | [Cause] Detected the installation of a tray of a different type than expected.<br>[Remedy] Contact our Customer Support Center. |
| **077-214**<br>**077-215** | [Cause] Detected the installation of a tray of a different type than expected.<br>[Remedy] Contact our Customer Support Center. |
| **077-314** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **091-313** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **091-407** | [Cause] An error occurred in the drum cartridge [R1].<br>[Remedy] Pull out the drum cartridge [R1], and then insert the cartridge again. |
| **091-417** | [Cause] An error occurred in the drum cartridge [R4].<br>[Remedy] Pull out the drum cartridge [R4], and then insert the cartridge again. |
| **091-427** | [Cause] An error occurred in the drum cartridge [R3].<br>[Remedy] Pull out the drum cartridge [R3], and then insert the cartridge again. |
| **091-437** | [Cause] An error occurred in the drum cartridge [R2].<br>[Remedy] Pull out the drum cartridge [R2], and then insert the cartridge again. |

| Error Code | Cause and Remedy |
|---|---|
| **092-312**<br>**092-313**<br>**092-314**<br>**092-315** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **093-314**<br>**093-315**<br>**093-316**<br>**093-317** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **093-320** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **093-401** | [Cause] The toner cartridge [Y] (yellow) is not installed.<br>[Remedy] Install the toner cartridge [Y] (yellow). |
| **093-403** | [Cause] The toner cartridge [M] (magenta) is not installed.<br>[Remedy] Install the toner cartridge [M] (magenta). |
| **093-404** | [Cause] The toner cartridge [C] (cyan) is not installed.<br>[Remedy] Install the toner cartridge [C] (cyan). |
| **093-426** | [Cause] An error occurred in the toner cartridge [K] (black).<br>[Remedy] Pull out the toner cartridge [K] (black), and then insert the cartridge again. |
| **093-427** | [Cause] An error occurred in the toner cartridge [Y] (yellow).<br>[Remedy] Pull out the toner cartridge [Y] (yellow), and then insert the cartridge again. |
| **093-428** | [Cause] An error occurred in the toner cartridge [M] (magenta).<br>[Remedy] Pull out the toner cartridge [M] (magenta), and then insert the cartridge again. |
| **093-429** | [Cause] An error occurred in the toner cartridge [C] (cyan).<br>[Remedy] Pull out the toner cartridge [C] (cyan), and then insert the cartridge again. |
| **093-430** | [Cause] The toner cartridge [K] (black) is not installed.<br>[Remedy] Install the toner cartridge [K] (black). |
| **102-356** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **112-700** | [Cause] The finisher's punch waste container is full.<br>[Remedy] Empty the punch waste container.<br>For more information on how to empty the punch waste container, refer to "Emptying Punch Waste Container (for Finisher-B1)" (P.75). |
| **116-210**<br>**116-211**<br>**116-212** | [Cause] An error occurred in the USB memory device.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **116-220** | [Cause] Failed to enter the Download mode.<br>[Remedy] Contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **116-310**<br>**116-311**<br>**116-312**<br>**116-313**<br>**116-314**<br>**116-315**<br>**116-316**<br>**116-317**<br>**116-318**<br>**116-319** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **116-321**<br>**116-322**<br>**116-323** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **116-324** | [Cause] An error occurred in the machine.<br>[Remedy] If an error occurred while printing, turn off the machine once, and then turn the machine on holding down both the <Start> and <Stop> buttons simultaneously for six seconds. This deletes the print data that caused the error. If the error was caused by another reason, switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **116-325**<br>**116-328**<br>**116-329**<br>**116-330**<br>**116-331**<br>**116-332**<br>**116-333**<br>**116-334**<br>**116-336**<br>**116-337**<br>**116-338** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **116-339** | [Cause] Job Based Accounting system started with no hard disk installed.<br>[Remedy] To use the Job Based Accounting system, the hard disk is required. Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power to reset the operation. |
| **116-340**<br>**116-341** | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **116-342** | [Cause] An error occurred.<br>[Remedy] Contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| 116-343<br>116-345<br>116-346<br>116-347<br>116-348<br>116-349<br>116-350<br>116-351<br>116-352<br>116-353<br>116-354<br>116-355<br>116-356<br>116-357<br>116-358<br>116-359<br>116-360<br>116-361<br>116-362<br>116-363<br>116-364<br>116-365<br>116-366<br>116-367<br>116-368<br>116-370<br>116-371<br>116-372<br>116-373<br>116-374<br>116-375<br>116-376<br>116-378<br>116-379<br>116-380<br>116-381<br>116-382<br>116-383<br>116-384<br>116-385 | [Cause] An error occurred<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| 116-386 | [Cause] The fax cable is not connected correctly.<br>[Remedy] Connect the cable securely, and then switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| 116-387 | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **116-388** | [Cause] The optional hard disk is not installed.<br>[Remedy] Install the HDD Extension Kit (optional). Contact our Customer Support Center. |
| **116-389** | [Cause] The Extension System Memory (optional) is not installed.<br>[Remedy] Install the Extension System Memory (optional). Contact our Customer Support Center. |
| **116-390** | [Cause] An error occurred in the machine.<br>[Remedy] Follow the message displayed on the touch screen and initialize the memory of the machine. |
| **116-391**<br>**116-392**<br>**116-393**<br>**116-394**<br>**116-395**<br>**116-396**<br>**116-397**<br>**116-399** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **116-700** | [Cause] Memory is insufficient for Image Extension Kit.<br>[Remedy] Select Standard for the image quality. |
| **116-701** | [Cause] Unable to use the 2 Sided Printing feature because of insufficient memory.<br>[Remedy] Increase memory, or install the HDD Extension Kit (optional) if it is not installed. |
| **116-702** | [Cause] A print job was processed using a substitute font.<br>[Remedy] Check the print data. |
| **116-703** | [Cause] Probable causes are as follows:<br>1)An error occurred during Post Script (optional) processing.<br>2)An error occurred because of insufficient memory.<br>3)An error occurred because of insufficient memory for PostScript processing.<br>[Remedy] For 1), check the print data.<br>For 2), increase memory.<br>For 3), increase the value for [PostScript Memory]. |
| **116-704** | [Cause] An error occurred when reading the data on the medium.<br>[Remedy] Check whether the medium is inserted correctly. |
| **116-705**<br>**116-706**<br>**116-707**<br>**116-708**<br>**116-709** | [Cause] An error occurred when reading data on the medium.<br>[Remedy] Use a computer to confirm the content recorded on the medium. |
| **116-710** | [Cause] The correct document size could not be judged because the receive data exceeded the HP-GL/2 (optional) spool size.<br>[Remedy] Increase the size assigned to HP-GL/2 auto layout memory. |
| **116-713** | [Cause] The job was divided to be printed because of insufficient disk space.<br>[Remedy] Delete unnecessary data from the hard disk to free up disk space. |
| **116-714** | [Cause] An HP-GL/2 (optional) command error occurred.<br>[Remedy] Check the print data. |

| Error Code | Cause and Remedy |
|---|---|
| **116-716**<br>**116-717** | [Cause] An error occurred when reading the data on the medium.<br>[Remedy] On a computer, confirm the content recorded on the medium. |
| **116-720** | [Cause] An error occurred during print processing because of insufficient memory.<br>[Remedy] Stop unnecessary ports or delete unnecessary data to free up disk space. |
| **116-740** | [Cause] A numerical value operation error occurred because a value exceeding the value limit of the machine was used in the print data.<br>[Remedy] Check the print data. |
| **116-741** | [Cause] The form cannot be registered because the number of the form registration exceeds the maximum number allowed.<br>[Remedy] Delete unnecessary form. The maximum number allowed is 2048. |
| **116-742** | [Cause] The logo data cannot be registered because the number of the logo data registration exceeds the maximum number allowed.<br>[Remedy] Delete unnecessary logo data. |
| **116-743** | [Cause] The logo data or form cannot be registered because the memory for the form and logo data are insufficient.<br>[Remedy] Increase memory. |
| **116-746** | [Cause] The form specified is not registered.<br>[Remedy] Use the form registered, or register the form. |
| **116-747** | [Cause] The paper margin value is too large for the HP-GL/2 (optional) active coordinates area.<br>[Remedy] Decrease the paper margin value, and then execute the operation again. |
| **116-748** | [Cause] There is no plot data in the HP-GL/2 (optional) print data.<br>[Remedy] Check the print data. |
| **116-749** | [Cause] The job was cancelled because the specified font does not exist.<br>[Remedy] Install the font, or set the print driver to replace the font. |
| **116-750** | [Cause] Banner sheet tray malfunction<br>[Remedy] Restore the tray to normal condition or change the Banner sheet tray. |
| **116-751** | [Cause] The process has been canceled because the hard disk is full.<br>[Remedy] Delete stored data in the hard disk. If the error still is not resolved, split the file and send the job again. |
| **116-752** | [Cause] The descriptions of the PDF or XPS printing job ticket have a problem.<br>[Remedy] Execute the operation again. If the error still is not resolved, contact our Customer Support Center. |
| **116-771**<br>**116-772**<br>**116-773**<br>**116-774**<br>**116-775**<br>**116-776**<br>**116-777**<br>**116-778** | [Cause] The data was automatically modified because it included an invalid parameter.<br>[Remedy] The printed image may be incomplete. Confirm with the sender whether the image has a problem, or ask the sender to send the data again. When using the Internet Fax Forwarding feature, confirm its condition with the e-mail recipient. |
| **116-780** | [Cause] There is a problem with the document attached to the received e-mail.<br>[Remedy] Check the attached document. |

| Error Code | Cause and Remedy |
|---|---|
| **116-790** | [Cause] Probable causes are as follows:<br>1)If the operator cancelled printing a document that was received using the Store Fax - Local Folder or Store Internet Fax - Local Folder feature:<br>The first set of the document is not stapled.<br>2)For causes other than 1)<br>No set of the document is stapled.<br>[Remedy] For 1), manually staple the first set of the document. Or, do not cancel printing of a document that is received using the Store Fax - Local Folder or Store Internet Fax - Local Folder feature.<br>For 2), check whether the staple position has been correctly specified, and try printing again. |
| **117-311** | [Cause] Data Security Kit is not attached correctly.<br>[Remedy] Insert Data Security Kit into the correct slot. |
| **117-312** | [Cause] An error occurred in the machine.<br>[Remedy] Contact our Customer Support Center. |
| **117-326** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **117-331**<br>**117-332**<br>**117-333** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **117-336**<br>**117-337**<br>**117-338** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **118-310** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **118-311** | [Cause] An error occurred during software processing.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **121-310** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **121-312** | [Cause] An error occurred between the machine and the device connected.<br>[Remedy] Switch on the machine power without connecting the device for the EP system, and then set [Login Type] to any option other than [Login to Remote Accounts] under [Tools] > [Authentication/Security Settings] > [Authentication]. |
| **121-313** | [Cause] An error occurred between the machine and the device connected.<br>[Remedy] Switch on the machine power without connecting the device for the EP system, and then set [Login Type] to any option other than [Login to Remote Accounts] under [Tools] > [Authentication/Security Settings] > [Authentication]. |

| Error Code | Cause and Remedy |
|---|---|
| **121-314**<br>**121-316**<br>**121-317**<br>**121-318**<br>**121-319**<br>**121-320**<br>**121-321**<br>**121-322**<br>**121-323**<br>**121-324** | [Cause] An error occurred between the machine and the device connected.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **121-333** | [Cause] An error occurred between the machine and the device connected.<br>[Remedy] Confirm that the device is switched on, and then switch off the machine power, make sure that the touch screen is blank, and switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **121-334**<br>**121-335**<br>**121-336**<br>**121-337**<br>**121-338** | [Cause] An error occurred between the machine and the device connected.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **121-339** | [Cause] An error occurred between the machine and the device connected.<br>[Remedy] Contact our Customer Support Center. |
| **121-340**<br>**121-350**<br>**121-370** | [Cause] An error occurred between the machine and the device connected.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| 123-310<br>123-311<br>123-312<br>123-325<br>123-326<br>123-333<br>123-343<br>123-344<br>123-350<br>123-352<br>123-353<br>123-355<br>123-356<br>123-357<br>123-358<br>123-362<br>123-368<br>123-369<br>123-371<br>123-374<br>123-377<br>123-379<br>123-380<br>123-381<br>123-382<br>123-383<br>123-384<br>123-389<br>123-390<br>123-392<br>123-393<br>123-395<br>123-396<br>123-397<br>123-398<br>123-399 | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| 124-310<br>124-311<br>124-312<br>124-313<br>124-314<br>124-315<br>124-316<br>124-317<br>124-318<br>124-319<br>124-320<br>124-321<br>124-322<br>124-323<br>124-324<br>124-325<br>124-326<br>124-327<br>124-328<br>124-331<br>124-333<br>124-334<br>124-335<br>124-337<br>124-338<br>124-339<br>124-340<br>124-341<br>124-342<br>124-343<br>124-344<br>124-345<br>124-346<br>124-347<br>124-348<br>124-349<br>124-350<br>124-351<br>124-352<br>124-353<br>124-360<br>124-361<br>124-362<br>124-363<br>124-372<br>124-373<br>124-374<br>124-380<br>124-381<br>124-382 | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |

| Error Code | Cause and Remedy |
|---|---|
| **124-383**<br>**124-390**<br>**124-391**<br>**124-392**<br>**124-393** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **124-701** | [Cause] The output destination was changed because of the malfunction of the specified output tray (Side Tray).<br>[Remedy] Contact our Customer Support Center. You can use any output trays other than the defective output tray. |
| **124-702** | [Cause] The output destination was changed because of the malfunction of the specified output tray (Finisher Tray).<br>[Remedy] Contact our Customer Support Center. You can use any output trays other than the defective output tray. |
| **124-705** | [Cause] The punch setting was cancelled.<br>[Remedy] Confirm the punch position, and then execute the operation again. |
| **124-706** | [Cause] The folding setting was cancelled.<br>[Remedy] Confirm the folding setting, and then execute the operation again. |
| **124-708** | [Cause] The output destination was changed to the Center tray or Finisher Tray.<br>The probable causes are as follows:<br>1)Paper of a different size from the specified is loaded for 2 sided copying.<br>2)The Punching feature of the Finisher has malfunctioned.<br>[Remedy] For 1), check whether the specified size paper is loaded in the tray.<br>For 2), confirm whether the error code 012-231, 012-232, 012-233, or 012-234 is displayed on the touch screen, and contact our Customer Support Center. |
| **124-709** | [Cause] The document exceeded the maximum number of pages that can be stapled.<br>[Remedy] Reduce the number of pages, or cancel the stapling setting, and then try printing again. |
| **124-710** | [Cause] The machine cannot output to the output destination specified. A paper size or a paper type that cannot be output is specified or the output destination fails.<br>[Remedy] No measure is required. The machine automatically selects the available output destination. If the paper is not still output from the specified output destination even after the correct paper size and type is selected, contact our Customer Support Center. |
| **125-311** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the same message is displayed again, contact our Customer Support Center. |
| **127-210**<br>**127-211** | [Cause] A communication error occurred between the machine and the Print Server.<br>[Remedy] Disconnect the print server cable, and then securely insert the cable into the connector. Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. |
| **127-212** | [Cause] A communication error occurred between the machine and the Print Server.<br>[Remedy] Disconnect the print server cable, and then securely insert the cable into the connector. Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. |
| **127-213** | [Cause] A communication error occurred between the machine and the Print Server.<br>[Remedy] Update the machine and the Print Server software to the latest versions. |

| Error Code | Cause and Remedy |
|---|---|
| **127-220**<br>**127-221** | [Cause] A communication error occurred between the machine and the Print Server.<br>[Remedy] Disconnect the print server cable, and then securely insert the cable into the connector. Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. |
| **127-310**<br>**127-311**<br>**127-312**<br>**127-313**<br>**127-314**<br>**127-315**<br>**127-320**<br>**127-337**<br>**127-342**<br>**127-353**<br>**127-354**<br>**127-396**<br>**127-398**<br>**127-399** | [Cause] An error occurred in the machine.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **127-700** | [Cause] The SIP registrar server cannot be used.<br>[Remedy] Check if the SIP registrar server is available. Also, confirm that [SIP Registrar Server Setup] is set correctly under [Tools]. |
| **133-210**<br>**133-211**<br>**133-212**<br>**133-213**<br>**133-214**<br>**133-215**<br>**133-216**<br>**133-217**<br>**133-218**<br>**133-219**<br>**133-220**<br>**133-221**<br>**133-222**<br>**133-223**<br>**133-224** | [Cause] An error occurred during fax transmission.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **133-226** | [Cause] A country code not supported by the machine was specified.<br>[Remedy] Contact our Customer Support Center. |
| **133-280**<br>**133-281**<br>**133-282**<br>**133-283** | [Cause] An error occurred during fax transmission.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch on the machine power. If the error still is not resolved, contact our Customer Support Center. |
| **133-700** | [Cause] The staple/hole punch setting was cancelled.<br>[Remedy] Check whether the staple/hole punch position is correct, and then execute the operation again. |

| Error Code | Cause and Remedy |
|---|---|
| **133-710** | [Cause] When printing the received fax document, the paper loaded on the bypass tray was used for printing because the specified tray could not be used.<br>[Remedy] Take one of the following measures:<br>• Load paper available for printing the received fax document:<br>A3 SEF, A4 LEF, B4 SEF, B5 LEF,<br>A4 SEF, A5 SEF, B5 SEF, 8.5 x 11" SEF,<br>8.5 x 13" SEF, 8.5 x 14" SEF, 11 x 17" SEF,<br>8.5 x 11" LEF, 5.5 x 8.5" SEF.<br>• Use a paper type available for printing the received fax document:<br>plain paper, bond paper, recycled paper, side 2 paper, user-defined custom paper.<br>• Confirm the settings by selecting [Tools] > [Fax Service Settings] > [Fax Control] > [Receiving Paper Size].<br>1)Select [Receiving Paper Size] > [Tray Mode] to add a tray to be used for printing the received fax documents.<br>2)Set up paper so that the tray specified tray in [Tray Mode] can be used for printing the received fax documents.<br>If the error still is not resolved, contact our Customer Support Center. |

* : If you cannot resolve an error despite following the instructions described in the table, contact our Customer Support Center. The contact number is printed on the label or card attached on the machine.

## Other Errors

This section describes the remedies when the following messages are displayed.

| Error Message | Cause and Remedy |
|---|---|
| A fault has occurred. Switch off the machine. (xxx-yyy) | [Cause] An error occurred.<br>[Remedy] Switch off the machine power, make sure that the touch screen is blank, and then switch the machine power on again.<br>If the message persists, record the content displayed for [(xxx-yyy)]. Then immediately switch the main power and power off, make sure that the touch screen is blank, and then contact our Customer Support Center. |
| Completed with an error. (xxx-yyy) | [Cause] An error occurred, and the operation terminated abnormally.<br>[Remedy] Execute the operation again. |
| A fault has occurred. The machine has rebooted. Select [Close]. If the problem persists, call for service. (xxx-yyy) | [Cause] An auto-recoverable internal error occurred, and the machine restarted automatically.<br>[Remedy] Select [Close]. to use the machine normally. If the error still is not resolved, contact our Customer Support Center. |

# Paper Jams

When a paper jam occurred, the machine stops and an alarm beeps. A message is also displayed on the touch screen. Follow the instructions displayed to remove the jammed paper.

Gently remove the paper to avoid it to be torn. If the paper is torn, remove all the torn pieces, making sure that none remain inside the machine.

If a paper jam message appears again after you have cleared the paper jam, another paper jam may be occurred in some other parts of the machine. Clear this by following the message.

When the paper jam is cleared, printing is automatically resumed from the point when the paper jam occurred.
If you were during copying, press the <Start> button to resume the copying from the point when the paper jam occurred.

**⚠WARNING**

If you need to pull out a tray to remove paper jam, contact your local Fuji Xerox representative. Do not pull out a tray, otherwise it may cause injuries.

**⚠CAUTION**

Do not attempt to remove a paper jammed deeply inside the product, particularly a paper wrapped around a fusing or a heat roller. Otherwise, it may cause injuries or burns. Switch off the power and then the main power inside the body front cover immediately and contact your local Fuji Xerox representative.

This section describes how to clear a paper jam occurring in the following locations.

The following shows the reference section for the procedures to clear a paper jam in each location.

Paper Jams in Top Left Cover A ..... 548
Paper Jams in Bottom Left Cover B ..... 549
Paper Jams in Bottom Left Cover C ..... 550
Paper Jams in Top Left Cover E ..... 550
Paper Jams in Trays 1 to 4 ..... 551
Paper Jams in Tray 5 ..... 552
Paper Jams in Duplex Module D ..... 553
Paper Jams in Finisher-A1 ..... 554
Paper Jams in Finisher-B1 ..... 554

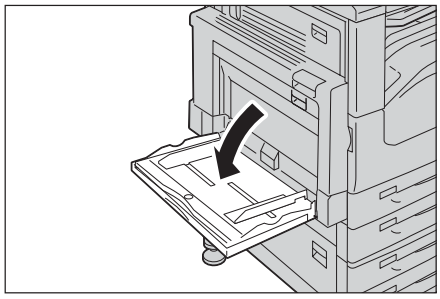
**Important**
- When a paper jam occurred, if you pull out a paper tray without checking the paper jam location, the jammed paper may be torn and the pieces may remain inside the machine. This may cause machine malfunctions; therefore, always check where the paper jam occurred first.
- If any piece of jammed paper remains inside the machine, the paper jam message will not disappear from the touch screen.
- Clear the paper jams while the machine is on. If you turn off the machine, all data stored on the memory of the machine will be erased.
- Do not touch components inside the machine. This may cause print defects.

## Paper Jams in Top Left Cover A

The following describes how to clear paper jams occurring in the top left cover.

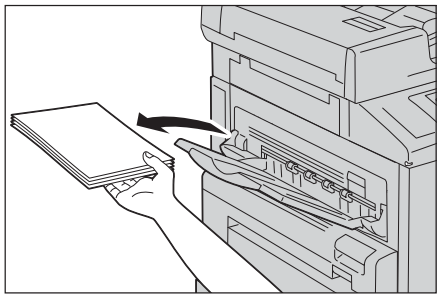
**Important** • Do not touch the black film like the transfer belt inside the top left cover when you remove the jammed paper because images might be shifted on the transfer belt. If you touch the belt, the image quality might be deteriorated or the belt may be damaged and need replacement.

***1*** Open Tray 5.

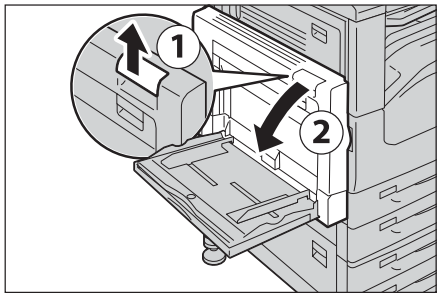


■ **When the Side Tray (optional) is installed**

Remove paper from the Side Tray.

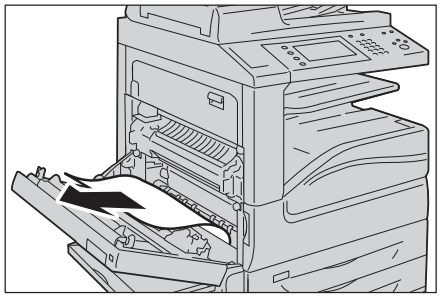


***2*** While lifting up the release lever of the cover A (1), open the cover (2).

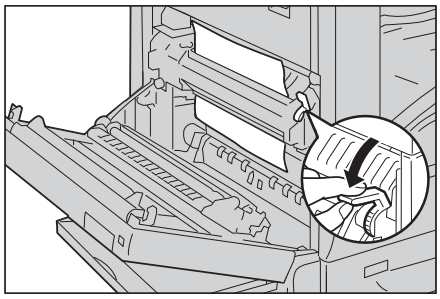



***3*** If paper is jammed outside the fusing unit, remove the jammed paper, and then proceed to step 6.

If paper is jammed inside the fusing unit, proceed to step 4.

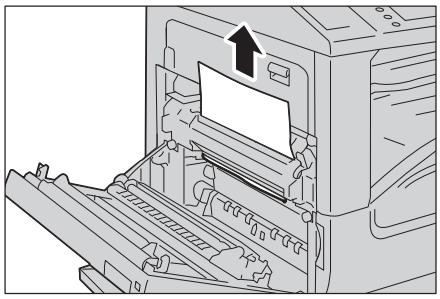


***4*** Pull down the lever A1 in the arrow direction, and then open the fusing unit cover.



**Important** • The fusing unit is extremely hot. Do not touch the fusing unit as it may result in burn injury.

***5*** Remove the jammed paper in the arrow direction.



**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.

***6*** Return the lever A1 to its original position to close the fusing unit cover.

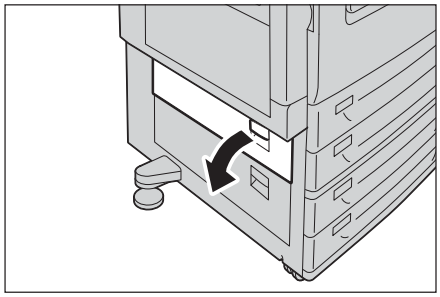
***7*** Close the cover A firmly.

***8*** Close Tray 5.

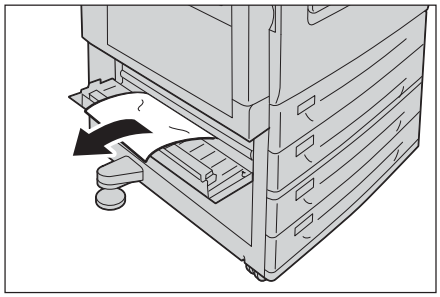
## Paper Jams in Bottom Left Cover B

The following describes how to clear paper jams occurring in the bottom left cover.

***1*** Gently open the bottom left cover B while pulling the release lever.



***2*** Remove the jammed paper.



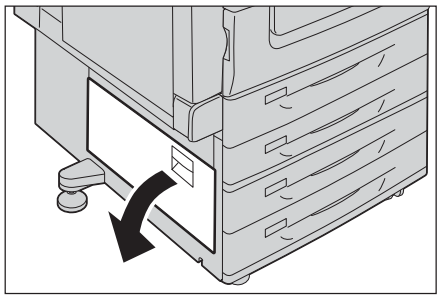
**Note** • Paper may be jammed in the hidden area on the upper position. Check inside thoroughly.
• If the paper is torn, make sure no piece of paper remains inside the machine.

***3*** Close the bottom left cover B gently.

## Paper Jams in Bottom Left Cover C

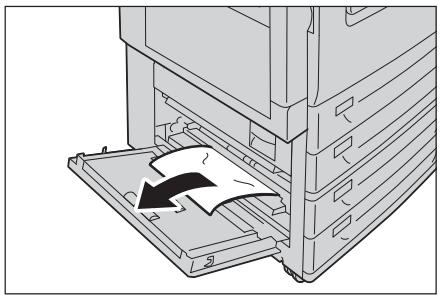
The following describes how to clear paper jams occurring in the bottom left cover.

***1*** Gently open the bottom left cover C while pulling the release lever.



***2*** Remove the jammed paper.

**Note**
- Paper may be jammed in the hidden area on the upper position. Check inside thoroughly.
- If the paper is torn, make sure no piece of paper remains inside the machine.



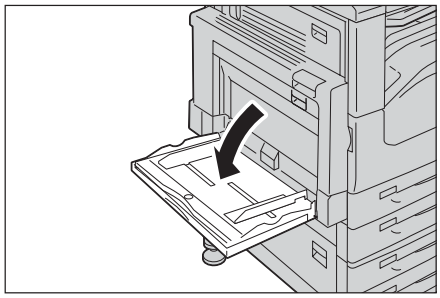
***3*** Close the bottom left cover gently.

## Paper Jams in Top Left Cover E

The following describes how to clear paper jams occurring in the top left cover.

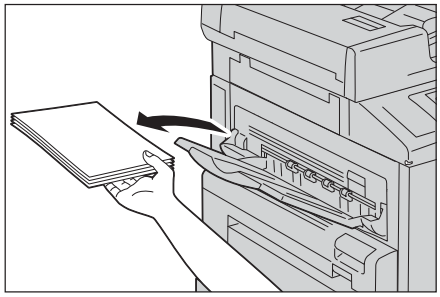
**Important**
- Do not touch the black film like the transfer belt inside the top left cover when you remove the jammed paper because images might be shifted on the transfer belt. If you touch the belt, the image quality might be deteriorated or the belt may be damaged and need replacement.

***1*** Open Tray 5.

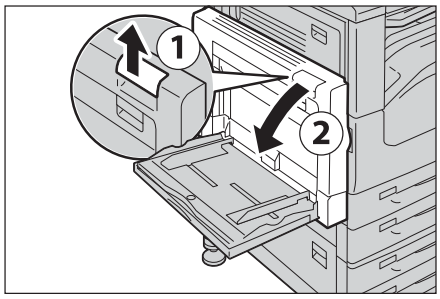


### ■ When the Side Tray (optional) is installed

Remove paper from the Side Tray.

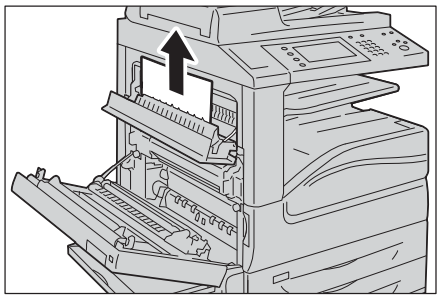


***2*** While lifting up the release lever of the cover A (1), open the cover (2).



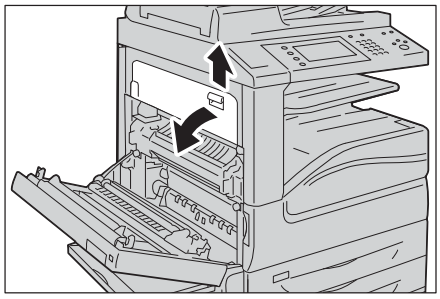

***3*** While lifting up the lever, open top left cover E.

**Important** • The fusing unit is extremely hot. Do not touch the fusing unit as it may result in burn injury.



***4*** Remove the jammed paper.

**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.



***5*** Close the top left cover E.

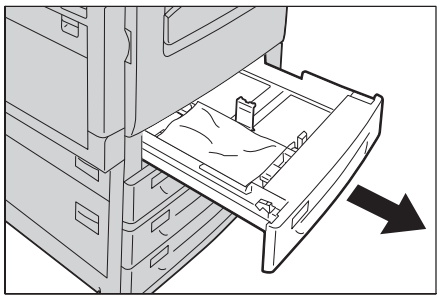
***6*** Push the center of the top left cover A and close the cover gently, and then close Tray 5.

## Paper Jams in Trays 1 to 4

The following describes how to clear paper jams occurring in Trays 1 to 4.

**Note** • When the Envelope Tray (optional) is inserted into the slot for Tray 1, use the same procedure described in this section to clear paper jams occurring in the Envelope Tray.

***1*** Pull out the tray until it stops where the paper jam occurred.

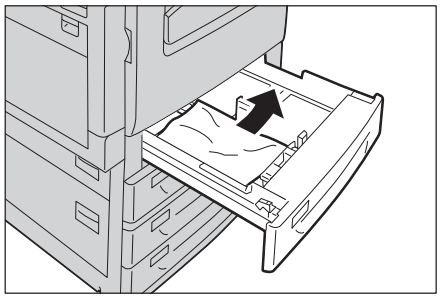


**⚠WARNING**

If you need to pull out a tray to remove paper jam, contact your local Fuji Xerox representative. Do not pull out a tray, otherwise it may cause injuries.

**Important** • If you pull out a paper tray without checking the paper jam location, the jammed paper may be torn and the pieces may remain inside the machine. This may cause machine malfunctions; therefore, always check where the paper jam occurred first.

**2** Remove the jammed paper.



**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.

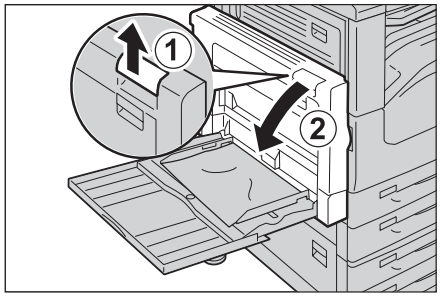
**3** Push the tray in gently until it stops.

## Paper Jams in Tray 5

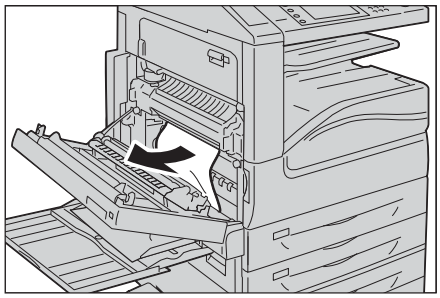
The following describes how to clear paper jams occurring in Tray 5.

**Important** • Do not touch the black film like the transfer belt inside the top left cover when you remove the jammed paper because images might be shifted on the transfer belt. If you touch the belt, the image quality might be deteriorated or the belt may be damaged and need replacement.

**1** While lifting up the release lever of the top left cover (1), open the cover gently (2).




**2** Remove the jammed paper if there is.

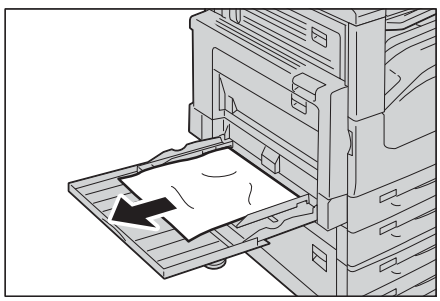


**Important** • The fusing unit is extremely hot. Do not touch the fusing unit as it may result in burn injury.

**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.

**3** Close the top left cover gently by pressing on the center of the cover.

**4** Check the back of Tray 5 (around the paper feed entrance) and remove the jammed paper.

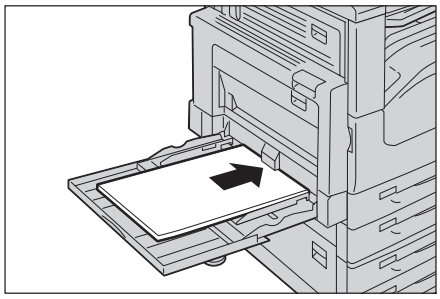


**Important** • When two or more sheets of paper are loaded, remove all of the sheets from the tray.

**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.

**5** When two or more sheets of paper were loaded, neatly align all four corners of the paper.

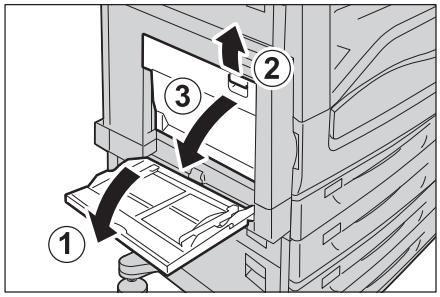
***6*** Insert the paper into the tray with the printing side facing down until its edge lightly touches against the paper feed entrance.



## Paper Jams in Duplex Module D

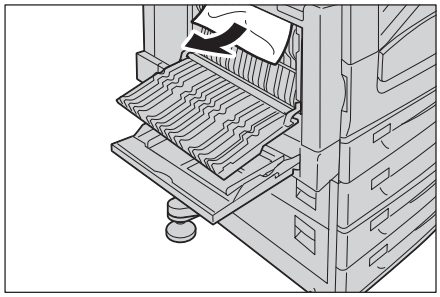
The following describes how to clear paper jams occurring in the duplex module D.

***1*** Open Tray 5, and then while lifting up the release lever, gently open the duplex module cover.

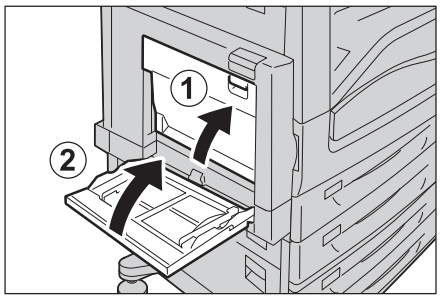



***2*** Remove the jammed paper.

**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.



***3*** Close the duplex unit cover, and then close Tray 5.



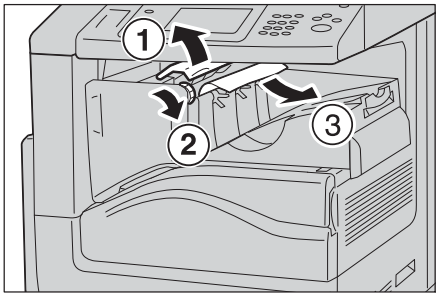
## Paper Jams in Finisher-A1

The following describes how to clear paper jams occurring in the Finisher-A1 (optional).

The following shows the reference section for the procedures to clear a paper jam in each location.

### Paper Jams under the Finisher Top Cover

*1* Open the finisher top cover (1), turn the knob (2), and then remove the jammed paper (3).




**Note**
- If the paper is torn, make sure no piece of paper remains inside the machine.

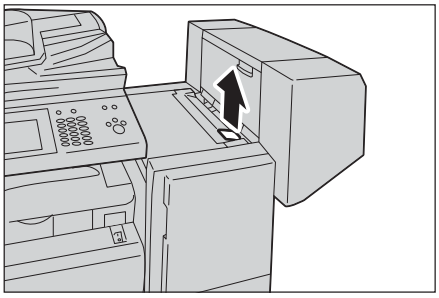
*2* Close the finisher top cover.

## Paper Jams in Finisher-B1

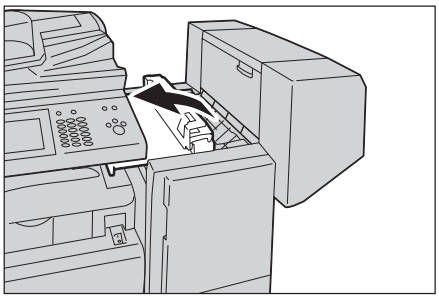
The following describes how to clear paper jams occurring in the Finisher-B1 (optional).

### Paper Jams under the Finisher Top Cover

*1* Push up the lever on the finisher top cover.

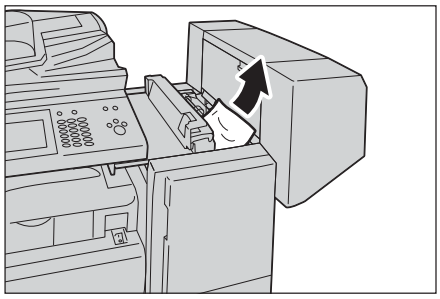


*2* The finisher top cover opens.



*3* Remove the jammed paper.

**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.

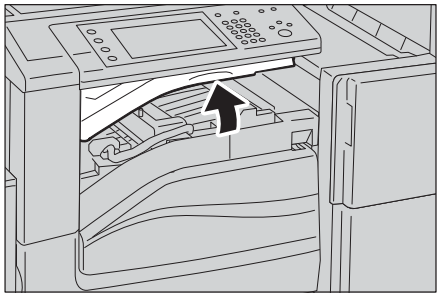


*4* Close the finisher top cover.

## Paper Jams in the Center Unit

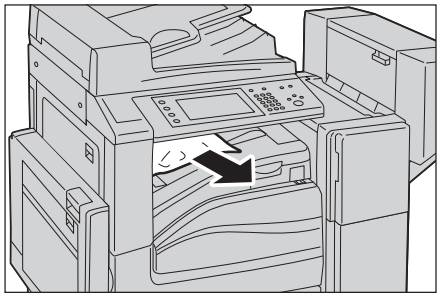
*1* Lift the top cover and open.

**Note** • The top cover cannot be detached from the machine.



*2* Remove the jammed paper.

**Note** • If the paper is torn, make sure no piece of paper remains inside the machine.



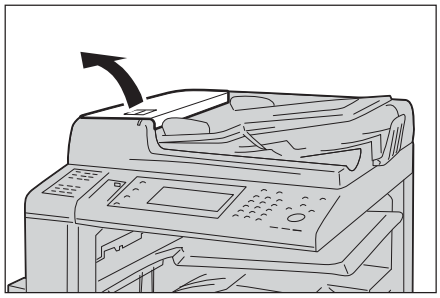
*3* Close the finisher top cover.

# Document Jams

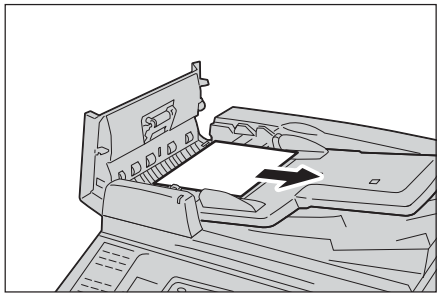
When a document jam occurred in the document feeder, the machine stops and a message is displayed on the touch screen. Follow the instructions displayed to clear the document jam and then load the document in the document feeder again.

***1*** Pull up the handle of the top cover of the document feeder, and then open the top cover until it stops.

**Note** • When you fully open the cover, it enters a fixed position. Open the cover gently.

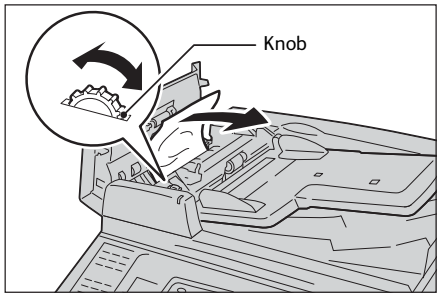


***2*** If the document is not caught in the entry of the document feeder, pull out the document.

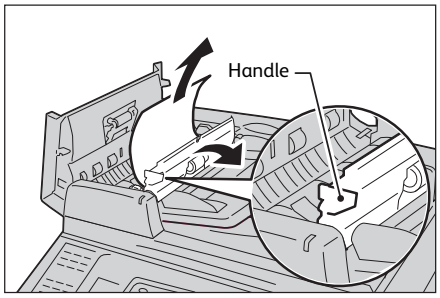


***3*** If the message on the screen instructs you to turn the knob, turn the knob to eject the document upward.

**Important** • If the document is caught, do not pull it out forcibly. The document could be damaged.

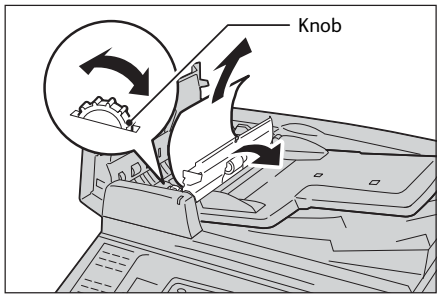



***4*** If the message on the display instructs you to open the inner cover, lift up the handle, and open the inner cover.




***5*** Turn the knob to eject the document upward to remove.

**Important** • If the document is caught, do not pull it out forcibly. The document could be damaged.

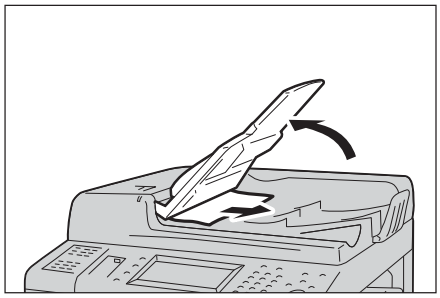


***6*** Close the inner cover of the document feeder.

***7*** Close the left cover of the document feeder until it clicks into place, and confirm that there is no space between the near or far side of the cover and the document feeder.

***8*** If you cannot find the document, lift the document feeder gently, and remove the document if it is there, and then close the document feeder.

***9*** If you still cannot find the document in step 8, lift the document feeder tray and remove the document.



***10*** Return the document feeder tray gently.

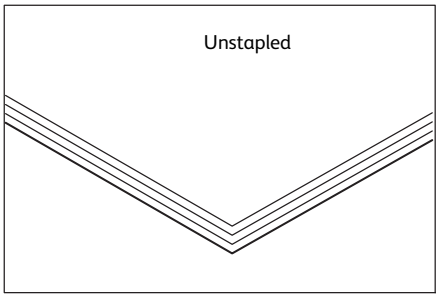
***11*** Make sure that the document is not torn, wrinkled or folded, and then load the document again following the instructions displayed on the touch screen.

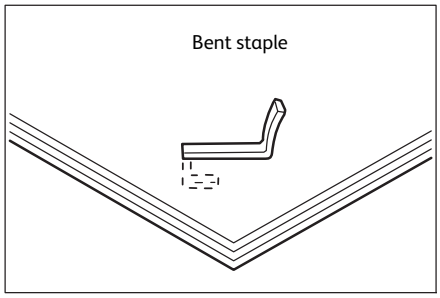
**Note**
- After removing the jammed document, reload the entire document including the pages already scanned. The machine will automatically skip the scanned pages and start scanning unscanned pages.
- Torn, wrinkled or folded documents may cause document jams and damage. To scan such documents, directly place the document on the document glass to make copies.

# Stapler Faults

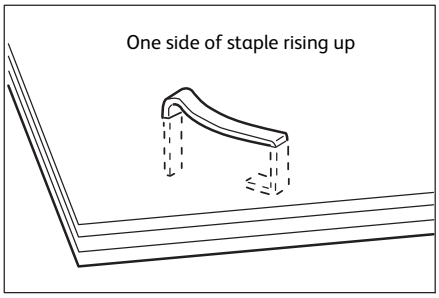
This section describes how to clear stapler troubles when the optional finisher is installed.

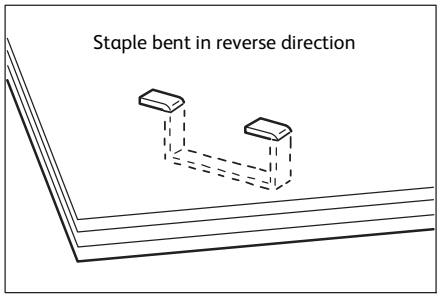
Perform the procedures on the following pages when copies are not stapled or staples are bent. Contact our Customer Support Center if the problem persists after you have tried the following solutions.

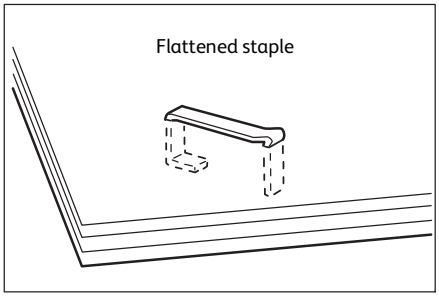


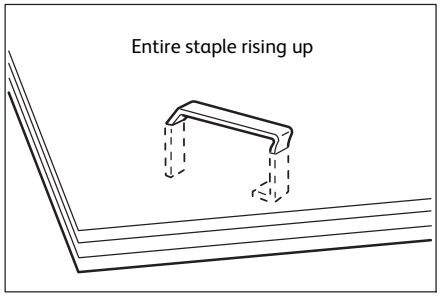



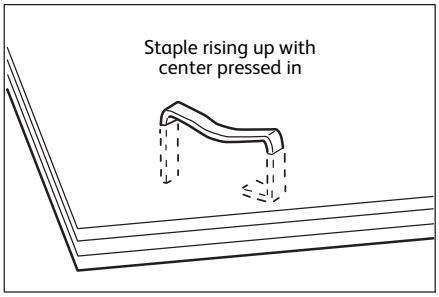

If copies are stapled as shown in the figures below, contact our Customer Support Center.



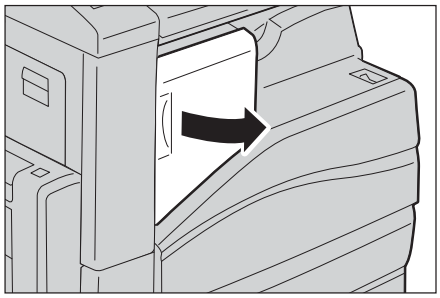



## Staple Jams in Staple Cartridge (For Finisher-A1)

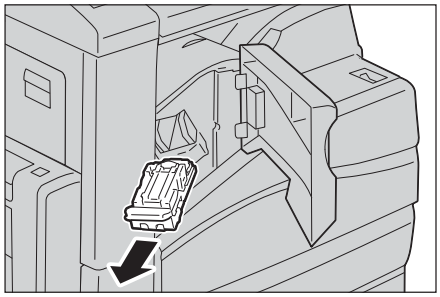
This section describes how to clear staple jam occurred in the staple cartridge of the Finisher-A1 (optional).

***1*** Make sure that the machine is not operating, and open the finisher front cover.

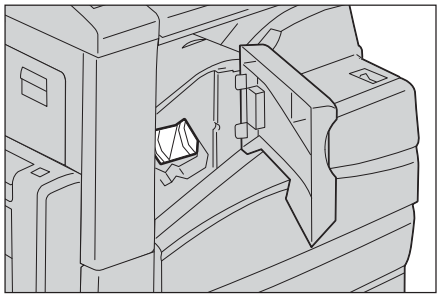


***2*** Take the staple cartridge out of the machine.

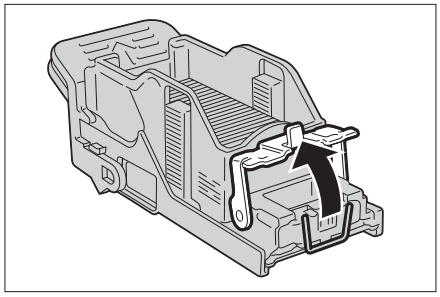
**Note** • The staple cartridge is firmly inserted. A slight force is required to pull the cartridge out of the finisher.



***3*** After you take out the staple cartridge, check inside of the finisher for any remaining staples.

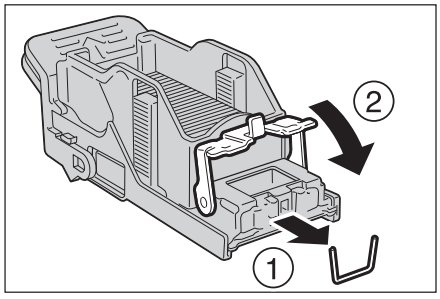


***4*** Pull up the metal part of the staple cartridge as shown in the illustration.

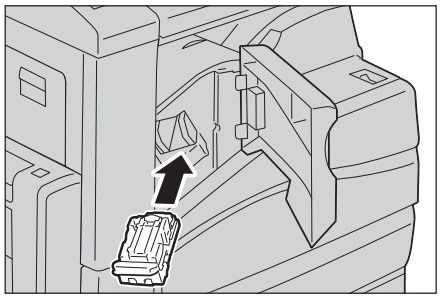


***5*** Remove the jammed staples (1), and then return the metal part pulled up in step 4 to the original position (2).

> **⚠CAUTION**
>
> Be careful in removing jammed staples.



**6** Push the staple cartridge into the machine until it clicks into place.



**7** Close the finisher front cover.

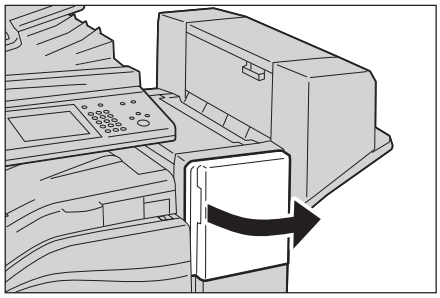
**Note** • If the finisher front cover is not completely closed, a message will appear and the machine remains paused.

If you cannot remove jammed staples even after you perform the above procedure, contact our Customer Support Center.

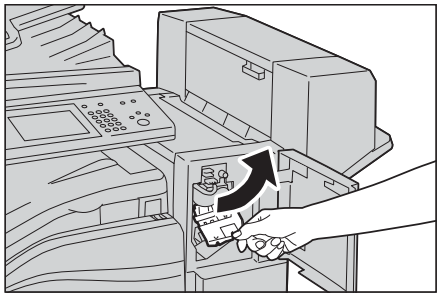
## Staple Jams in Staple Cartridge (For Finisher-B1)

This section describes how to clear staple jam occurred in the staple cartridge of the Finisher-B1 (optional).

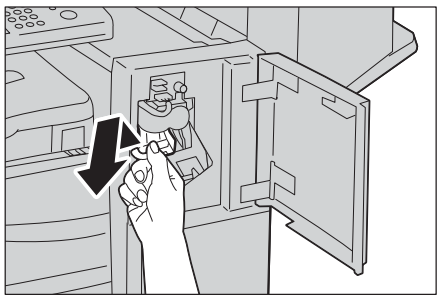
**1** Make sure that the machine is not operating, and open the finisher front cover.



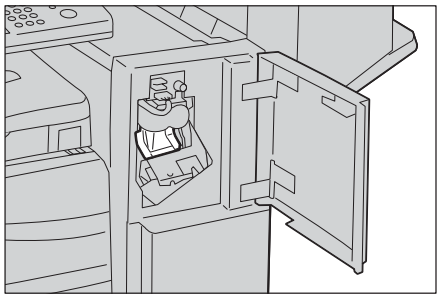
**2** Grasp the handle as shown in the illustration to pull out the staple cartridge to the right, towards you.



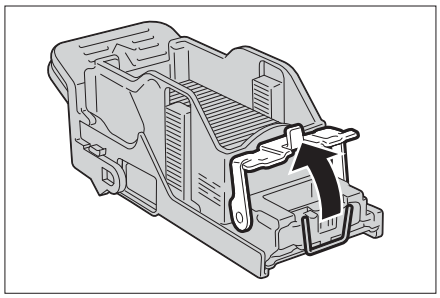
**3** Move up the staple cartridge, and then take it out of the machine.



***4*** After you take out the staple cartridge, check inside of the finisher for any remaining staples.

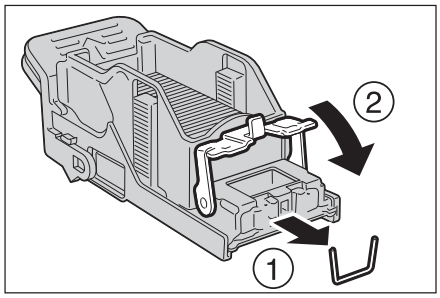


***5*** Pull up the metal part of the staple cartridge as shown in the illustration.

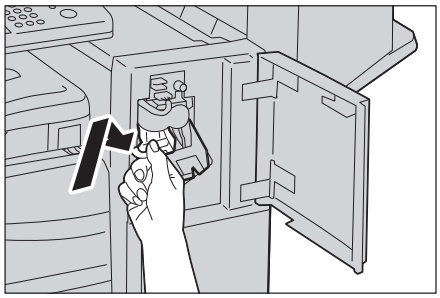


***6*** Remove the jammed staples (1), and then return the metal part pulled up in step 5 to the original position (2).

> ⚠ **CAUTION**
>
> Be careful in removing jammed staples.




***7*** Push the staple cartridge into the machine until it clicks into place.



***8*** Close the finisher front cover.

**Note** • If the finisher front cover is not completely closed, a message will appear and the machine remains paused.

# 16 Appendix

This chapter describes the machine specifications, notes and restrictions, optional components, and printer emulation languages.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# Specifications

This section lists the main specifications of the machine. Note that the specifications and the appearance of the product may change without prior notice.

## ■ Copy Function

| | |
|---|---|
| Type | Console |
| Memory | 1 GB (Maximum 2 GB)<br>**Important** • Optional memory may be required for some features. |
| HDD | 160 GB or above (Usable Space: approximately 100 GB)<br>**Important** • Not all the HDD space described above can be used. |
| Color Capability | Full color |
| Scanning Resolution | 600 × 600 dpi |
| Printing Resolution | 600 × 600 dpi |
| Halftone/Printable Colors | 256 color gradation for each color (16,700,000 colors) |
| Warm-up Time | When the HDD is not installed:<br>29 seconds or less*<br>When the main power is switched on, it takes 17 seconds or less*.<br><br>When the HDD is installed:<br>32 seconds or less*<br>When the main power is switched on, it takes 24 seconds or less*.<br>* : The values are based on a room temperature of 20 °C and on the factory default setting.<br>**Important** • It may take longer due to the image quality adjustment. |
| Original Paper Size | The maximum size is 297 × 432 mm (A3, 11 × 17") for both sheets and books. |
| Output Paper Size | [Paper Tray 1 to 4]<br>Maximum : A3, 11 × 17"<br>Minimum : A5<br><br>[Paper Tray 5]<br>Maximum : A3, 11 × 17"<br>Minimum : Postcard (100 × 148 mm), Envelope (90 x 205 mm)<br>Image loss width: Top edge, 4 mm or less; bottom edge, 2 mm or less; left and right edges, 2 mm or less |
| Output Paper Weight | Paper Tray 1 to 4 : 60 - 256 gsm<br>Paper Tray 5 : 60 - 216 gsm<br>**Important** • Use paper recommended by Fuji Xerox. Copying may not be performed correctly depending on the conditions. |
| First Copy Output Time | Monochrome: 6.5 seconds (for A4/monochrome priority mode)<br>Color: 8.1 seconds (for A4/color priority mode)<br>**Important** • The values may vary depending on the machine configuration. |
| Reduction/Enlargement | Size-for-Size: 1:1±0.7 %<br>• Preset %<br>1:0.500, 1:0.707, 1:0.816, 1:0.866, 1:1.154, 1:1.225, 1:1.414, 1:2.000<br>• Variable %<br>1:0.25 - 1:4.00 (1 % increments) |

| | |
|---|---|
| Continuous Copy Speed | <DocuCentre-IV C2265><br>• A4, B5, A5<br>Monochrome : 25 sheets/minute<br>Color : 25 sheets/minute<br>• A4<br>Monochrome : 19 sheets/minute<br>Color : 19 sheets/minute<br>• B4<br>Monochrome : 16 sheets/minute<br>Color : 16 sheets/minute<br>• B5<br>Monochrome : 14 sheets/minute<br>Color : 14 sheets/minute<br>• A3<br>Monochrome : 14 sheets/minute<br>Color : 14 sheets/minute<br><br><DocuCentre-IV C2263><br>• A4, B5, A5<br>Monochrome : 20 sheets/minute<br>Color : 20 sheets/minute<br>• A4<br>Monochrome : 16 sheets/minute<br>Color : 16 sheets/minute<br>• B4<br>Monochrome : 13 sheets/minute<br>Color : 13 sheets/minute<br>• B5<br>Monochrome : 11 sheets/minute<br>Color : 11 sheets/minute<br>• A3<br>Monochrome : 11 sheets/minute<br>Color : 11 sheets/minute<br>**Important** • When paper is fed from Tray 5 and the paper size is set to [Auto Detect], the printing speed for the first page will be slower.<br>• The speed may be reduced due to image quality adjustment.<br>• The performance may be reduced depending on the paper type or paper tray.<br>• When paper in width narrower than B5, such as postcards, is output continuously, the temperature on the fusing unit becomes high. As a result, the machine may suspend the output, displaying a message "Please wait", and may resume in 1 minute. Also, for paper A5 or smaller, even after 1 sheet of paper is output, the machine may suspend with a "Please wait" message and may resume in 30 seconds. |
| Paper Tray Capacity | • 4-tray model<br>Standard:<br>500 sheets × 4 trays + 45 sheets (bypass tray)<br>Maximum paper capacity:<br>2,045 sheets (Same as the standard)<br>• 2-tray model<br>Standard:<br>500 sheets × 2 trays + 45 sheets (bypass tray)<br>Maximum paper capacity:<br>1,045 sheets (Same as the standard)<br>**Important** • When using 80 gsm paper |

| | |
|---|---|
| Continuous Copy | 999 images<br>**Note** • The machine may pause temporarily to perform image stabilization. |
| Output Tray Capacity | Exit 2 Tray : approximately 250 sheets (A4)<br>Center tray : approximately 250 sheets (A4)<br>**Important** • When using 80 gsm paper |
| Power Supply | AC 220 - 240 V±10 %/110 V±10 %, 10/15A for both 50/60 Hz±3 % |
| Power Consumption | Maximum power consumption: 1.76 kW or less (AC 220 V±10 %)<br>1.92 kW or less (AC 240 V±10 %)<br>1.65 kW or less (AC 110 V±10 %)<br>Sleep mode: 1.8 W or less (AC 110 V)<br>2.3 W or less (AC 220 - 240 V)<br>Low Power mode: 81 W or less<br>Standby mode: 120 W or less<br>**Important** • The Low Power mode is disabled by factory default. |
| Dimensions | Width 585 x Depth 640 x Height 1,046 mm<br>Width 585 x Depth 640 x Height 1,132mm (with Duplex Automatic Document Feeder) |
| Machine Weight | 109 kg<br>115 kg (with the Fax feature and Duplex Automatic Document Feeder attached)<br>**Important** • The weight of paper and the toner cartridges is not included. |
| Space Requirement | Width 919*1 × Depth 640 mm<br>Width 964*1,2 × Depth 640 mm<br>*1 : When the bypass tray is fully extended.<br>*2 : When the document stopper of the Duplex Automatic Document Feeder is open. |

### ■ Print Function

| | |
|---|---|
| Type | Built-in |
| Continuous Print Speed | Same as the Copy Function<br>**Important** • The speed may be reduced due to image quality adjustment.<br>• The performance may be reduced depending on the paper type. |
| Printing Resolution | • Output resolution: 600 × 600 dpi<br>• Data processing resolution:<br>Standard: 300 × 300 dpi, High Resolution: 600 × 600 dpi*<br>* : When printing in high resolution mode, printing speed may be reduced due to image quality adjustment. Printing speed may also be reduced depending on documents. |
| PDL | Standard : PCL6, PCL5<br>Optional : Adobe® PostScript® 3™ |
| Protocol | • Ethernet (standard):<br>TCP/IP (Ipd, IPP, Port9100, SMB, WSD, Novell®, NetWare®, ThinPrint®), Novell®, NetWare® (IPX/SPX), NetBEUI (SMB), EtherTalk*<br>* : The Adobe® PostScript® 3™ Kit (optional) is required.<br>**Important** • EtherTalk is supported by Mac OS 9.2.2, and Mac OS X 10.3.9 - 10.4.6/10.4.8 - 10.4.11, 10.5.<br>**Note** • WSD stands for Web Services on Devices. |

| | |
|---|---|
| Operating System | Standard : PCL6<br>Microsoft® Windows® 2000,<br>Microsoft® Windows® XP,<br>Microsoft® Windows Server® 2003,<br>Microsoft® Windows Server® 2008,<br>Microsoft® Windows Vista®,<br>Microsoft® Windows® 7,<br>Microsoft® Windows Server® 2003 x64,<br>Microsoft® Windows® XP x64,<br>Microsoft® Windows Server® 2008 x64,<br>Microsoft® Windows Server® 2008 R2 x64,<br>Microsoft® Windows Vista® x64,<br>Microsoft® Windows® 7 x64,<br>Mac OS X 10.5/10.6/10.7 English<br><br>Optional : Adobe® PostScript® 3™<br>Microsoft® Windows® 2000 English,<br>Microsoft® Windows® XP English,<br>Microsoft® Windows Server® 2003 English,<br>Microsoft® Windows Server® 2008 English,<br>Microsoft® Windows Vista® English,<br>Microsoft® Windows® 7 English,<br>Microsoft® Windows® XP x64 English,<br>Microsoft® Windows Server® 2003 x64 English,<br>Microsoft® Windows Server® 2008 x64 English,<br>Microsoft® Windows Server® 2008 R2 x64,<br>Microsoft® Windows Vista® x64 English,<br>Microsoft® Windows® 7 x64 English,<br>Mac OS 9.2.2 English,<br>Mac OS X 10.3.9 - 10.4.11(except 10.4.7)/10.5/10.6/10.7 English<br>**Note** • For information about the latest supported OS, contact our Customer Support Center. |
| Fonts | • Standard:<br>PCL6/5: 82 European fonts, 37 Symbol sets<br>PCL5, ESCP/K: China Font ShuSong<br>PCL5, ESCP/K: Korea Font Myungio, Gothic, Round Gothic, Graphic, Kungso, Saemul<br>• Optional:<br>Adobe® PostScript® 3™ Kit: 136 Roman fonts<br>TC/SC Additional Fonts Kit: Chinese font 4 type faces |
| Emulation | ESC/P-K (LQ1900K II), HP-GL (HP7586B), HP-GL2/RTL (HP Design Jet 750C Plus), PCL5/PCL6 (HP Color Laser Jet 5500), KSSM, KS5843, KS5895 |
| Connectivity | • Standard:<br>Ethernet (100BASE-TX/10BASE-T),<br>USB 2.0*<br>* : USB 2.0 is supported by the following:<br>Windows® 2000, Windows® XP, Windows Server® 2003, Windows Vista®, Windows Server® 2008, Windows® 7, Windows® XP x64, Windows Server® 2003 x64, Windows Vista® x64, Windows Server® 2008 x64, Windows Server® 2008 R2 x64, Windows® 7 x64, and Mac OS X 10.3.9/10.4.11/10.5/10.6/10.7. |

### ■ Scan Function (optional)

| | |
|---|---|
| Type | Color scanner |
| Original Paper Size | Same as the Copy Function |
| Scanning Resolution | 600 x 600 dpi, 400 x 400 dpi, 300 x 300 dpi, 200 x 200 dpi |
| Scanning Halftone | 10-bit input / 8-bit output for each RGB color |
| Scanning Speed | Monochrome: 55 sheets/minute<br>Color : 55 sheets/minute<br>(For ITU-T No.1 Chart A4 200 dpi, Store to Folder)<br>**Important** • The scanning speed varies depending on documents. |
| Connectivity | Standard : Ethernet 100BASE-TX/10BASE-T |
| Store to Folder | Protocol: TCP/IP (WebDAV, HTTP)<br>File Format:<br>Monochrome binary:<br>TIFF, DocuWorks*1, PDF*1, XPS*1<br>Gray scale:<br>TIFF, JPEG*2, DocuWorks*1, PDF*1, XPS*1<br>Full color:<br>TTIFF, JPEG, DocuWorks*1, PDF*1, XPS*1,<br>high-compressed DocuWorks*1*3, high-compressed PDF*1*3,<br>high-compressed XPS*1*3<br>*1 : Supported only when documents are retrieved using CentreWare Internet Services.<br>*2 : Supported only when documents are retrieved using Network Scanner Utility 3.<br>*3 : The High Compression Image Kit (optional) is required.<br>**Note** • XPS stands for XML Paper Specification.<br>Driver: TWAIN<br>Operating System:<br>Microsoft® Windows® 2000,<br>Microsoft® Windows® XP,<br>Microsoft® Windows Server® 2003,<br>Microsoft® Windows Server® 2008,<br>Microsoft® Windows Vista®,<br>Microsoft® Windows® 7,<br>Microsoft® Windows® XP x64,<br>Microsoft® Windows Server® 2003 x64,<br>Microsoft® Windows Server® 2008 x64,<br>Microsoft® Windows Server® 2008 R2 x64,<br>Microsoft® Windows Vista® x64,<br>Microsoft® Windows® 7 x64<br>**Important** • For information about the latest supported OS, refer to the Fuji Xerox Web site. |

| | |
|---|---|
| Scan to PC | Protocol: TCP/IP (SMB, FTP)<br>Operating System:<br>Microsoft® Windows® 2000,<br>Microsoft® Windows® XP,<br>Microsoft® Windows Vista®,<br>Microsoft® Windows Server® 2003,<br>Microsoft® Windows Server® 2008,<br>Microsoft® Windows® XP x64,<br>Microsoft® Windows Vista® x64,<br>Microsoft® Windows Server® 2003 x64,<br>Microsoft® Windows Server® 2008 x64,<br>Microsoft® Windows® 7<br>Microsoft® Windows® 7 x64<br>Microsoft® Windows Server® 2008 R2 x64,<br>Mac OS X 10.2.x/10.3.8/10.3.9/10.4.2/10.4.4/10.4.8/10.4.9/10.4.10/10.5/10.6<br>Mac OS X 10.7*1<br>NetWare® 5.11/5.12*2<br>*1 : Mac OS X 10.7 supports FTP protocol only.<br>*2 : NetWare 5.11/5.12 supports FTP protocol only.<br>**Important** • For information about the latest supported OS, refer to the Fuji Xerox Web site.<br>File Format:<br>Monochrome binary:<br>TIFF, DocuWorks, PDF, XPS<br>Gray scale/Full color:<br>TIFF, JPEG, DocuWorks, PDF, XPS, high-compressed DocuWorks*, high-compressed PDF*, high-compressed XPS*<br>* : The High Compression Image Kit (optional) is required. |
| Scan to e-mail | Protocol: TCP/IP (SMTP)<br>File Format:<br>Monochrome binary:<br>TIFF, DocuWorks, PDF, XPS<br>Gray scale/Full color:<br>TIFF, JPEG, DocuWorks, PDF, XPS, high-compressed DocuWorks*, high-compressed PDF*, high-compressed XPS*<br>* : The High Compression Image Kit (optional) is required. |

## ■ Fax Function (optional)

| | |
|---|---|
| Send Document Size | Maximum : A3, 11 × 17", Long document (Maximum 600 mm) |
| Recording Paper Size | Maximum : A3, 11 × 17"<br>Minimum : A5 |
| Transmission Time | 2 seconds or more but below 3 seconds<br>**Important** • When transmitting an A4 size 700-character document in the standard quality (8 × 3.85 lines/mm) and high speed mode (28.8 kbps or above: JBIG). This is only the transmission speed for image information and does not include the controlling time for the communication. Note that the actual transmission time depends on the content of documents, the machine that the recipient uses, and the status of the communication line. |
| Transmission Mode | ITU-T G3 |

| | |
|---|---|
| Scanning Resolution | • Standard: 8 x 3.85 lines/mm, 200 x 100 dpi<br>• Fine: 8 x 7.7 lines/mm, 200 x 200 dpi<br>• Superfine (400dpi): 16 x 15.4 lines/mm, 400 x 400 dpi<br>• Superfine (600dpi): 600 x 600 dpi |
| Coding Method | MH, MR, MMR, JBIG |
| Transmission Speed | • G3:<br>33.6/31.2/28.8/26.4/24.0/21.6/19.2/16.8/14.4/12.0/9.6/7.2/4.8/2.4kbps |
| No. of Fax Lines | PSTN, PBX (G3 maximum 3 lines (ports)*)<br>* : Up to three lines can be connected for G3 communications. Ports indicate the number of connectable channels. |

### ■ Direct Fax Function (optional)

| | |
|---|---|
| Document Size | A3, B4, A4 |
| Transmission Speed | Same as the Fax function |
| Transmission Resolution | Same as the Fax function |
| Applicable Lines | Same as the Fax Function |
| Operating System | Microsoft® Windows® 2000,<br>Microsoft® Windows® XP,<br>Microsoft® Windows Vista®,<br>Microsoft® Windows Server® 2003,<br>Microsoft® Windows Server® 2008,<br>Microsoft® Windows® 7,<br>Microsoft® Windows® XP x64,<br>Microsoft® Windows Server® 2003 x64,<br>Microsoft® Windows Server® 2008 x64,<br>Microsoft® Windows Server® 2008 R2 x64,<br>Microsoft® Windows Vista® x64,<br>Microsoft® Windows® 7 x64<br>Mac OS X 10.5/10.6/10.7<br>**Important** • For information about the latest supported OS, refer to the Fuji Xerox Web site. |

### ■ IP Fax (SIP) Function (Optional)

| | |
|---|---|
| Send Document Size | Same as the Fax Function |
| Scanning Resolution | Same as the Fax Function |
| Protocol | SIP, JT-T.38 |
| Coding Method | Same as the Fax Function |
| Connectivity | Ethernet 100BASE-TX/10BASE-T |

### ■ Internet Fax Function (Optional)

| | |
|---|---|
| Document Size | A3, B4, A4 |
| Scanning Resolution | Same as the Fax Function |
| Output Format | Format : TIFF-FX<br>Compression method : MH, MMR, JBIG |

| | |
|---|---|
| Profile | TIFF-S, TIFF-F, TIFF-J |
| Protocol | Transmission : SMTP<br>Reception : SMTP, POP3 |
| Connectivity | Ethernet 100BASE-TX/10BASE-T |

### ■ Duplex Automatic Document Feeder (optional)

| | |
|---|---|
| Type | Duplex automatic document feeder |
| Original Paper Size | Maximum : A3, 11 × 17"<br>Minimum : A5<br>38 - 128 gsm (2 sided: 50 - 128 gsm) |
| Capacity | 110 sheets<br>**Important** • When using 80 gsm paper |
| Feeding Speed | <DocuCentre-IV C2265><br>Monochrome : 25 sheets/minute (A4 1 sided)<br>Color : 25 sheets/minute (A4 1 sided)<br><DocuCentre-IV C2263><br>Monochrome : 20 sheets/minute (A4 1 sided)<br>Color : 20 sheets/minute (A4 1 sided) |
| Dimensions/Weight | Width 540 × Depth 492 × Height 105 mm (to the top cover of the document feeder)<br>Width 540 × Depth 492 × Height 125 mm (to the protruding portion of the document feeder tray)<br>8 kg |

### ■ Duplex Output Unit

| | |
|---|---|
| Applicable Paper Size | Same as the Copy Function |
| Paper Weight | 60 - 169 gsm |

### ■ Finisher-A1 (Optional)

| | |
|---|---|
| Type | Sorting (Offset available)/Stacking (Offset available) |
| Paper Size/Paper Weight | Maximum: A3, 11 × 17"<br>Minimum: Postcards (100 × 148mm)<br>60 - 220 gsm |
| Stacker Capacity | Finisher tray<br>• For paper not stapled<br>A4: 500 sheets<br>B4: 250 sheets,<br>A3 or larger: 200 sheets<br>Mixed stack* : 250 sheets<br>• For paper stapled<br>30 sheets<br>* : Based on when larger size paper is stacked on paper.<br>**Important** • When using 80 gsm paper |

| | |
|---|---|
| Staple | • Capacity:<br>A4: 50 sheets (90 gsm or less),<br>B4 or larger: 30 sheets (90 gsm or less)<br>• Paper Size:<br>Maximum: A3, 11 × 17"<br>Minimum: B5<br>• Position:<br>1 place (front/angled stapling)<br>**Important** • When using 80 gsm paper |
| Dimensions/Weight | Width 559 × Depth 448 × Height 246 mm, 12 kg |
| Space Requirement (when connected to the main unit) | Width 1,039 × Depth 640 mm (main unit + Finisher-A1, when the extension tray and the bypass tray are fully extended) |

### ■ Finisher-B1 (Optional)

| | |
|---|---|
| Type | Sorting (Offset available)/ Stacking (Offset available) |
| Paper Size/Paper Weight | Maximum: A3, 11 × 17"<br>Minimum: B5<br>60 - 220 gsm<br>**Note** • Paper smaller than B5 is delivered to the center tray. |
| Stacker Capacity | Finisher tray<br>• For paper not stapled<br>A4: 2,000 sheets<br>B4 or larger: 1,000 sheets<br>Mixed stack*1: 300 sheets<br>• For paper stapled<br>A4: 100 sets or 1,000 sheets<br>B4 or larger: 75 sets or 750 sheets<br>Center binding/folding*2: 50 sets or 600 sheets<br>Folding*2: 500 sheets<br>**Important** • When using 80 gsm paper |
| Staple | • Capacity:<br>A4 : 50 sheets (90 gsm or less)<br>• Paper size:<br>Maximum: A3, 11 × 17"<br>Minimum: B5<br>• Position:<br>1 place (front: angled stapling, back: straight stapling)<br>2 places (parallel stapling)<br>**Important** • When using 80 gsm paper |
| Punch*3 | • Paper size:<br>A3, 11 × 17", B4, A4, A4, 8.5 × 11", 8.5 × 11", B5<br>• Number of Holes:<br>2/4 holes, or US 2/3 holes<br>• Paper Weight:<br>60 - 200 gsm<br>**Important** • When using 80 gsm paper |

| | |
|---|---|
| Booklet Finishing*2 | • Capacity<br>Center binding: 15 sheets<br>Folding: 5 sheets<br>• Paper Size<br>Maximum: A3, 11 × 17"<br>Minimum: A4, 8.5 × 11"<br>• Paper Weight<br>Center binding: 64 - 80 gsm<br>Folding: 64 - 105 gsm<br>**Important** • When using 80 gsm paper |
| Dimensions/Weight | Width 657 × Depth 552 × Height 1,017 mm*, 28 kg<br>Width 657 × Depth 597 × Height 1,087 mm*, 37 kg (When the Booklet Maker Unit is attached)<br>* : The values do not include the finisher transport area located within the main unit. |
| Space Requirement (when connected to the main unit) | Width 1,576 × Depth 640 mm (Main unit + Finisher-B1, when the extension tray and the bypass tray are fully extended)<br>Width 1,576 × Depth 651 mm (Main unit + Finisher-B1 + Booklet Maker Unit, when the extension tray and the bypass tray are fully extended) |

*1 : Based on when larger size paper is stacked on paper.
*2 : For the center binding/folding feature, Booklet Maker Unit for Finisher-B1 is required. After a job with center binding/folding specified was output, remove the output paper from the tray to output the next job. In addition, when you print a job with center binding/folding specified and smaller-sized paper remains on the output tray, remove the paper from the tray first.
*3 : For the Punching feature, US 2/3 Hole Punch Kit for Finisher-B1 or 2/4 Hole Punch Kit for Finisher-B1 is required.

### ■ Side Tray (optional)

| | |
|---|---|
| Paper Size | Same as the Copy Function |
| Capacity | 100 sheets<br>**Important** • When using 80 gsm paper |
| Dimensions/Weight | Width 353 × Depth 469 × Height 198 mm<br>1 kg |
| Space Requirement (when connected to the main unit) | Width 919 × Depth 640 mm (Main unit + Side Tray, when the bypass tray is fully extended)<br>Width 964 × Depth 640 mm (Main unit + Side Tray + Duplex Automatic Document Feeder, when the bypass tray is fully extended) |

# Printable Area

This section describes the area on paper that can be printed.

## Standard Printable Area

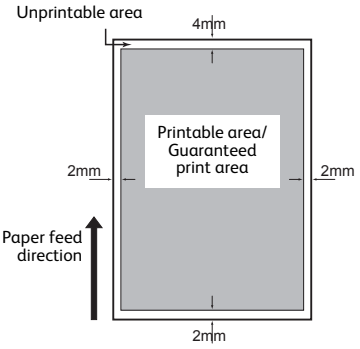
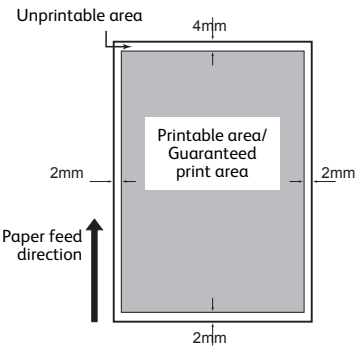
The standard printable area is the area of a sheet of paper excluding the 4.0 mm margins on all four edges of paper. For 13 x 18" paper (width of 330 mm), the printable area of the paper is the area excluding the 3.5 mm left and right margins. The actual printable area, however, may vary depending on the printer (plotter) control language.

## Extended Printable Area

When you select the extended printable area setting for printing, you can expand the width and length of the printable area to 291.0 x 476.6 mm and the print assured area to 289.0 x 423.4 mm. The area of paper you can print to, however, may vary depending on the size of paper.

**Note** • To extend the printable area, change the PCL print driver setting, or the [Print Area] setting on the touch screen.

For more information on the setting method on the print driver, refer to the help provided for the print driver. For more information on the setting on the control panel, refer to "Print Area" (P.215).

| | When the paper width is 12 inches (A3) |
|---|---|
| Printer |   |
| Copy |   |

# Internal Fonts

This section lists the fonts pre-installed on the machine.

For more information on the optional PostScript fonts, refer to the manual contained in the CD-ROM provided with the PostScript 3 Kit (optional). For more information on the optional HP-GL/2 and PCL fonts, refer to "PCL Emulation" (P.599) and "HP-GL2 Emulation" (P.606).

<table>
<tr><td colspan="3">Stroke fonts<br>(for PCL5 and HP-GL/2)</td><td colspan="2">• European Stroke fonts</td></tr>
<tr><td rowspan="2">Outline fonts</td><td rowspan="2">Euro-pean</td><td>ESC/P-K</td><td>Arial<br>Arial Italic<br>Arial Bold<br>Arial Bold Italic<br>Courier<br>Courier Italic<br>Courier Bold<br>Courier Bold Italic<br>Roman</td><td>Sans Serif<br>Symbol<br>Times New Roman<br>Times New Roman Bold<br>Times New Roman Italic<br>Times New Roman Bold Italic<br>ITC Zapf Dingbats<br>GoldSEMM<br>GoldSAMM</td></tr>
<tr><td>PDF</td><td>Arial<br>Arial Italic<br>Arial Bold<br>Arial Bold Italic<br>Courier<br>Courier Italic<br>Courier Bold<br>Courier Bold Italic</td><td>Symbol<br>Times New Roman<br>Times New Roman Bold<br>Times New Roman Italic<br>Times New Roman Bold Italic<br>ITC Zapf Dingbats<br>GoldSEMM<br>GoldSAMM</td></tr>
</table>

| | | | | |
|---|---|---|---|---|
| Outline fonts | Euro-pean | PCL | CG Times<br>CG Times Italic<br>CG Times Bold<br>CG Times Bold Italic<br>Univers Medium<br>Univers Medium Italic<br>Univers Bold<br>Univers Bold Italic<br>Univers Medium Condensed<br>Univers Medium Condensed Italic<br>Univers Bold Condensed<br>Univers Bold Condensed Italic<br>Antique Olive<br>Antique Olive Italic<br>Antique Olive Bold<br>CG Omega<br>CG Omega Italic<br>CG Omega Bold<br>CG Omega Bold Italic<br>Garamond Antiqua<br>Garamond Kursiv<br>Garamond Halbfett<br>Garamond Kursiv Halbfett<br>(Default): Courier<br>Courier Italic<br>Courier Bold<br>Courier Bold Italic<br>Letter Gothic<br>Letter Gothic Italic<br>Letter Gothic Bold<br>Albertus Medium<br>Albertus Extra Bold<br>Clarendon Condensed<br>Coronet<br>Marigold<br>Arial<br>Arial Italic<br>Arial Bold<br>Arial Bold Italic<br>Times New<br>Times New Italic | Times New Bold<br>Times New Bold Italic<br>Symbol<br>Wingdings<br>Line Printer<br>Times Roman<br>Times Italic<br>Times Bold<br>Times Bold Italic<br>Helvetica<br>Helvetica Oblique<br>Helvetica Bold<br>Helvetica Bold Oblique<br>CourierPS<br>CourierPS Oblique<br>CourierPS Bold<br>CourierPS Bold Oblique<br>SymbolPS<br>Palatino Roman<br>Palatino Italic<br>Palatino Bold<br>Palatino Bold Italic<br>ITC Bookman Light<br>ITC Bookman Light Italic<br>ITC Bookman Demi<br>ITC Bookman Demi Italic<br>Helvetica Narrow<br>Helvetica Narrow Oblique<br>Helvetica Narrow Bold<br>Helvetica Narrow Bold Oblique<br>New Century Schoolbook Roman<br>New Century Schoolbook Italic<br>New Century Schoolbook Bold<br>New Century Schoolbook Bold Italic<br>ITC Avant Garde Book<br>ITC Avant Garde Book Oblique<br>ITC Avant Garde Demi<br>ITC Avant Garde Demi Oblique<br>ITC Zapf Chancery Medium Italic<br>ITC Zapf Dingbats<br>OCR-B |
| | KO | PCL5 | Myungio<br>Gothic<br>R- Gothic | Graphic<br>Kungso<br>Saemmul |
| | | KS | Myungio<br>Gothic<br>R- Gothic<br>Graphic<br>Kungso<br>Saemmul | T-Myungio<br>T-Gothic<br>TR-Gothic<br>T-Graphic<br>T-Kungso<br>T-Saemmul |
| | TC | PCL5 | ShuSong | |
| | SC | PCL5<br>ESC/P-K | ShuSong | |

**Note** • The fonts provided will vary depending on the region of use.

# Optional Components

The following table shows the optional components available. To purchase these options, contact our Customer Support Center.

| Product Name | Description |
|---|---|
| Finisher-A1 | Staples output sheets. |
| Finisher-B1 | Staples output sheets. |
| Booklet Maker Unit for Finisher-B1 | Staples output sheets. Also creases output sheets in half or staples them. |
| US 2/3 Hole Punch Kit for Finisher-B1 | 2/3 hole-punches output sheets.<br>The distance between the two holes made with the US 2/3 Hole Punch Kit (US standard) is 70 mm, which is different from the 80 mm distance made with the 2/4 Hole Punch Kit. |
| 2/4 Hole Punch Kit for Finisher-B1 | 2/4 hole-punches output sheets. |
| Side Tray | Delivers output face up. |
| HDD Extension Kit | Provides the extended copy features and adds the spool and scan features.<br>**Note** • For information on how to install the HDD Extension Kit to the machine, refer to "Installing the HDD Extension Kit (Optional)" (P.663). |
| Extension System Memory (2 GB) | Increases the system memory. This is replaced with the standard 1 GB memory, which increases the system memory by 1 GB.<br>**Note** • Commercially available memory cannot be used for the machine. Be sure to use the optional extension memory we provide, or we cannot guarantee proper operation of the machine if a problem occurs. For information on how to install the Extension System Memory (2 GB) to the machine, refer to "Installing the Extension System Memory (2 GB) (Optional)" (P.665). |
| Searchable PDF Kit | Allows you to use optical character recognition (OCR) when scanning.<br>**Note** • The Scanner Kit and Extension System Memory (2 GB) are required to use this feature. |
| High Compression Image Kit | Allows you to create high-compressed DocuWorks or PDF files for E-mail or Scan to PC feature.<br>**Note** • The Scanner Kit and Extension System Memory (2 GB) are required to use this feature. |
| Adobe PostScript 3 Kit | Allows you to use the machine as a PostScript printer. Also enables printing from Macintosh.<br>If you perform printing in high resolution mode when this Adobe PostScript 3 Kit is installed to the machine, it is recommended that you install the Extension System Memory (2 GB) to the machine. |
| Scanner Kit | Adds the Scan features to the machine.<br>**Note** • The HDD Extension Kit is required to use this feature. |
| Fax Kit 2 | Adds the Fax and Internet Fax features to the machine.<br>**Note** • The HDD Extension Kit is required to use this feature. |
| IP FAX [SIP] Kit | Adds the IP Fax feature to the machine.<br>**Note** • The HDD Extension Kit is required to use this feature. |

| Product Name | Description |
|---|---|
| Fax Extension Board Kit 2 | Adds extra facsimile lines to the machine.<br>**Note** • The HDD Extension Kit is required to use this feature. |
| Additional G3 Port Kit 2 | Adds an additional G3 port to the machine that offers the Fax feature.<br>**Note** • The Fax Extension Board Kit 2 is required to use this feature. |
| Stamp Kit | Allows you to stamp on a document scanned with DADF when sending a fax. |
| Wing Table | A kit to load related products such as IC Card Reader, or to secure work space. The table can be placed on left side of the document cover. |
| Copy Management Expansion Kit | Prints dates or serial numbers on all the pages of confidential documents to restrict duplication.<br>**Note** • The HDD Extension Kit is required to use this feature. |
| USB Memory Kit | Directly stores data in a USB memory device when scanning. Also, allows you to print image data taken with a digital camera as well as data stored with the text format, using the control panel.<br>**Note** • The Scanner Kit, HDD Extension Kit, and USB Cable Kit are required to use this feature. |
| Multi-language Font Kit | A UniCode™ font kit which supports the PCL language for principal systems like SAP.<br>**Note** • UniCode™ is a character code advocated by Xerox to handle multiple languages such as Chinese, Korean, Japanese, and English in one character code.<br>• The Adobe PostScript 3 Kit is required to use this feature. |
| Attention Light II | Tells you the status of the machine. |
| Assist Handle | A tool to aid you in opening the document glass cover. |
| Server Fax Kit | Adds the Server Fax feature to the machine.<br>**Note** • The HDD Extension Kit is required to use this feature.<br>• This option cannot be installed simultaneously with the Fax Kit 2. |
| Network Accounting Kit | Allows you to keep track of user accounts via an external authentication server.<br>**Note** • The HDD Extension Kit is required to use this feature. |
| Power Cord | A tool to connect the machine to a power source. |
| USB Cable Kit | A cable to connect a USB memory device to the USB memory slot on the control panel. |
| Envelope Tray | Allows you to load envelopes. Tray 1 is replaced with the Envelope Tray instead of being used as the standard paper tray. |
| TC/SC Additional Fonts Kit | Supports Traditional Chinese and Simplified Chinese fonts. |
| Embedded IC Card Reader | A built-in IC Card Reader, which can read data in a smart card.<br>**Note** • This option cannot be installed simultaneously with the one touch buttons. |
| Embedded IC Card Reader (for HID) | A built-in IC Card Reader, which can read data stored in a Proximity Card (125KHz) manufactured by HID.<br>**Note** • This option cannot be installed simultaneously with the one touch buttons. |

| Product Name | Description |
|---|---|
| Embedded IC Card Reader for Wing Table | An external IC Card Reader for Wing Table.<br>**Note** • The Wing Table is required to install the IC Card Reader. |
| Embedded IC Card Reader for Wing Table (for HID) | An external IC Card Reader for Wing Table, which can read data stored in a Proximity Card (125KHz) manufactured by HID.<br>**Note** • The Wing Table is required to install the IC Card Reader. |
| Full Stack Sensor | Enables the machine automatically to stop delivering copied or printed outputs in the lower center output tray when the allowable number of outputs reaches the maximum, resulting in reducing the possibility of paper jams. |

**Note** • The optional components are subject to change without notice.
• For the latest information, contact our Customer Support Center.

# ESC/P-K Emulation

This section describes how to use ESC/P-K emulation.

## Emulation

This section describes the printer language emulations available on the machine.

Print data conforms to certain rules (grammars). These rules (grammars) are called printer languages.

The machine supports two types of printer languages: a page description language, which is used to create images on a page-by-page basis, and an emulation, which is used to achieve the print results similar to those of other printers. To "emulate" means to imitate the print results of other printers.

### Emulation Mode

When printing data written in a language other than a page description language supported by the machine, switch the machine to the emulation mode. The relationships between the emulation mode and the printer to be emulated are as follows:

| Emulation Mode | Printer to be Emulated |
|---|---|
| ESC/P-K emulation mode (ESC/P-K mode) | LQ1900K II+ |

### Host Interfaces and Emulation

Different host interfaces support different printer languages. The host interfaces that support printer languages are as follows:

- USB port
- NetWare port
- lpd port
- SMB port
- IPP port
- Port 9100 port
- WSD port

### Switching between Printer Languages

The machine provides the Multi-emulation feature that allows switching between different printer languages.

The methods of switching between printer languages are as follows:

**■ Switching by Commands**

Commands for switching between printer languages are provided. Upon receipt of a command, the machine switches to the relevant printer language.

**■ Automatic Switching**

The machine analyzes the data received by a host interface, and automatically identifies the printer language to be used. It then switches to the identified printer language.

■ **Interface-dependent**

You can set a printer language for each host interface by using CentreWare Internet Services. The machine switches to a printer language corresponding to the host interface that received data.

## Fonts

This section explains the fonts used for emulation.

### Available fonts

The following fonts can be used for ESC/P-K emulation:

■ **ESC/P-K Emulation**

Available outline fonts are as follows:

- Roman
- Sans serif
- ShuSong
- OCR-B

### User-defined Characters

On the machine, you can use user-defined characters.

The total capacity of memory for storing user-defined characters and other user-defined data can be set on the control panel. This value is retained after the machine is turned off.

User-defined characters are registered as bitmap fonts, and cannot be shared among different printer languages.

### Font Caching

To ensure hi-speed printing, outline fonts of up to a certain size are cached. Outline fonts are converted into bitmap data temporarily and then printed. To minimize this processing time, the processed bitmap data is saved in the memory. This process is called font caching.

The saved bitmap data is deleted when you turn the machine off or reset it.

## Output Feature

This section describes the machine's output feature.

### Outputting a Pending Print Job

The printing of jobs already received by the machine can be prioritized over other jobs.

For information on prioritizing the printing of jobs already received by the machine, refer to "10 Job Status" > "Printing Pending Jobs" in the User Guide.

## ESC/P-K Emulation Print Features

### Pages per Side

The Pages per Side feature reduces the size of multiple-sheet documents and prints them on a single sheet of paper.

The Pages per Side feature can be used in the ESC/P-K emulation mode. In the ESC/P-K mode, 2 Up can be used.

### Form Overlay

In the ESC/P-K mode, you can register an original form on the machine, and overprint the form on a printout.

The form to be used for overlaying can be specified on the control panel.

For more information on registering forms, contact our Customer Support Center.

### Barcodes

In the ESC/P-K mode, you can use barcodes. The barcodes that can be used are as follows:

- EAN-13
- EAN-8
- Interleaved 2 of 5
- UPC-A
- UPC-E
- CODE39
- CODE128
- POSTNET

### Forms

You can use ESC/P-K to register forms on the machine. Up to 64 forms can be registered.

For more information on registering forms, contact our Customer Support Center.

## ESC/P-K Emulation Settings

The following tables show the basic and extended settings that can be configured on the ESC/P-K emulation mode menu.

### Basic Settings

| Setting Item | Item Number | Value |
|---|---|---|
| Output color | 5 | Sets the output color.<br>[0] (Default) : Color<br>[1] : Monochrome |

| Setting Item | Item Number | Value |
|---|---|---|
| Paper tray | 3 | Sets the paper tray to be used for printing.<br>[0] : Auto<br>[1] (Default) : Tray 1<br>[2] : Tray 2<br>[3] : Tray 3<br>[4] : Tray 4<br>[5] : Tray 5<br>If printing from Tray 5, instruct printing and then operate the machine to start printing. To cancel the setting, change the setting for "Tray 5 Confirmation".<br>**Important** • When Trays 1 to 4 is selected, the paper size is determined by the size of paper loaded in the tray, and thus [Paper Size] cannot be set.<br>**Note** • When [Auto] is selected and paper of the same size in the same orientation is loaded in multiple trays, paper will be fed in the order of Tray 1 g Tray 2 g Tray 3 g Tray 4. If paper of the same size is loaded in multiple trays but in different orientations, feeding of the paper loaded in the landscape orientation is prioritized. |
| Document size | 1 | Sets the client-created document size.<br>[99] (Default) : Paper<br>[100] : Continuous form paper (10 x 12)<br>[101] : Continuous form paper (10 x 11)<br>[102] : Continuous form paper (15 x 12)<br>[103] : Continuous form paper (15 x 11)<br>[3] : A3<br>[4] : A4<br>[5] : A5<br>[14] : B4<br>[15] : B5<br>[21] : 8.5 x 14<br>[22] : 8.5 x 13<br>[23] : 8.5 x 11<br>[24] : 11 x 17<br>[0] : Postcard<br>The number of characters printed is: 80 characters/72 rows for continuous form paper (10 x 12), 80 characters/66 rows for continuous form paper (10 x 11), 136 characters/72 rows for continuous form paper (15 x 12), and 136 characters/66 rows for continuous form paper (15 x 11).<br>**Note** • When a continuous form paper is selected for [Original Size], [Paper Position] cannot be set.<br>• When [Preset %] or [Fit to Cut Sheet] is selected for [Reduce/Enlarge], the machine automatically calculates the magnification based on a combination of [Original Size] and [Paper Size]. If the ratio, however, is outside the range of 45-210%, the document will not be reduced/enlarged, and will be printed at a scale of 100%. When [2 Up] is selected, the machine automatically calculates the magnification based on a combination of [Original Size] and 1/2 of [Paper Size].<br>• The orientation set here is that of the document. It is not affected by the orientation of paper loaded in the paper trays. |
| Orientation | 19 | Sets the orientation of paper.<br>[0] (Default) : Portrait<br>[1] : Landscape |

| Setting Item | Item Number | Value |
|---|---|---|
| Paper size | 2 | Sets the size of paper to be printed. This setting can be made only when [Paper Tray] is set to [Auto] or [Tray 5]. This setting can be configured only for cut sheets.<br>[3] : A3<br>[4] : A4<br>[5] : A5<br>[14] : B4<br>[15] : B5<br>[21] : 8.5 x 14<br>[22] : 8.5 x 13<br>[23] : 8.5 x 11<br>[24] : 11 x 17<br>[0] : Postcard<br>**Important** • If [Paper Tray] is set to Trays 1 to 4, [Paper Size] cannot be set.<br>**Note** • When [Preset %] or [Fit to Cut Sheet] is selected for [Reduce/Enlarge], the machine automatically calculates the magnification based on a combination of [Original Size] and [Paper Size]. If the magnification, however, is outside the range of 45-210%, the document will not be reduced/enlarged, and will be printed at a scale of 100%.<br>When [2 Up] is selected, the machine automatically calculates the magnification based on a combination of [Original Size] and 1/2 of [Paper Size]. |

## Extended Settings

| Setting Item | Item Number | Value |
|---|---|---|
| Paper position | 20 | Sets the paper position.<br>[0] (Default) : Without cut sheet feeder (left)<br>[1] : With cut sheet feeder (center)<br>**Note** • When [Without cut sheet feeder (left)] is specified and FF (line feed command) is received, the machine skips the number of lines specified in VFU. When [With cut sheet feeder (center)] is specified, the machine inserts a page break.<br>• When a continuous form paper is selected for [Original Size], [Paper Position] cannot be set. |
| Output quantity | 8 | Sets the number of copies to be printed.<br>[1 to 250] (Default: 1): 1-250 copies<br>**Important** • When the output quantity is specified by a client, that number of copies is printed. After printing, the number set on the control panel is overwritten with the number newly specified. However, the number of copies specified from the NetWare or lpd port will not overwrite the number set on the control panel. |

| Setting Item | Item Number | Value |
|---|---|---|
| Reduce/enlarge | 54 (Reduce/ enlarge mode) | Sets the print magnification.<br>[0] (Default) : Preset %<br>[1] : Variable %<br>[2] : Fit to Cut Sheet<br><br>[Preset %] is a magnification automatically calculated based on [Original Size] and [Paper Size], and reduces/enlarges the printable area of the document to fit in the printable area of the output paper. Therefore, if the size of the document and of the output paper are identical, the ratio will be 100%. Also, if [2 Up] is selected, the document will be reduced to the size at which two pages fit onto one sheet of paper.<br>[Variable %] is a magnification set in [Variable %] under [Reduce/Enlarge]. A reference point for scaling (reducing/enlarging) is the upper left corner of the printable area. This reference point applies to all text, images, and graphics.<br>[Fit to Cut Sheet] prints the entire cut sheet area onto the printable area of the output paper. It is a magnification automatically calculated based on [Original Size] and [Paper Size], and reduces/enlarges the entire document (including the area outside of the printable area) to fit onto the printable area of the output paper. |
| | 17 (Variable %/ vertical magnification) | Sets the magnification for the vertical or horizontal direction.<br>[45 to 210] (Default:100): 45-210%<br>**Note** • When a continuous form paper is selected for [Original Size], print result is identical for [Preset %] and [Fit to Cut Sheet]. |
| | 18 (Variable %/ horizontal magnification) | |
| 2 Up mode | 21 | Sets whether to print with the 2 Up or page by page. 2 Up is a feature that prints two pages onto one sheet of paper. Depending on the paper orientation, the two pages are printed side by side, or one above the other.<br>[0] (Default) : Off<br>[1] : Forward<br>[2] : Reverse<br>**Important** • When [Landscape] is selected for [Original Size], print result is identical for [Forward] and [Reverse]. |
| Output destination | 9 | Sets the output tray for the printouts.<br>[0] (Default) : Center Tray or Center Tray - Lower<br>[1] : Left Top Tray (optional)<br>[2] : Center Tray - Upper<br>[80] : Right Middle Tray (optional) |
| Tray 5 confirmation | 67 | Prints from Tray 5, after you instruct to print and then operate the machine to start printing.<br>[0] (Default) : Off<br>[1] : On |
| Grid lines | 22 | Sets the method for printing double-byte grid lines. The options are as follows.<br>[0] (Default) : Image<br>[1] : Font |
| 2 Sided printing | 12 | Sets the 2 sided printing.<br>[0] (Default) : Off<br>[1] : Head to Head<br>[2] : Head to Toe<br>**Important** • When [Postcard] is selected for [Paper Size], [Head to Head] and [Head to Toe] cannot be selected. |

| Setting Item | Item Number | Value |
|---|---|---|
| Font | 14<br>(Alphanumeric fonts) | Sets the font for single-byte characters.<br>[0] (Default) : Roman<br>[1] : Sanserif<br>**Important** • Since this feature selects the default value, its setting will not be affected when an extended command is received. |
| Print control | 51<br>(Blank sheet output) | Sets whether to print blank pages if included in the document.<br>[0] (Default) : Off<br>[1] : On<br>**Note** • Even when [Off] is selected, blank pages are printed if they are spaces created with user-defined characters or images in white color.<br>• When [Off] is selected for this feature and 2 Up or 2 sided printing is specified, blank pages are not printed. |
| | 52<br>(Character print area) | Extends the position of the right margin.<br>[0] (Default) : Standard<br>[1] : Extended<br>**Important** • Changing the character print area from [Extended] to [Standard] restores the left and right margins to the default values.<br>• When the position of the right margin is set here, that position becomes the right edge of the character print area. |
| | 53<br>(Image enhancement) | Sets whether or not to enable the Image Enhancement feature.<br>Image Enhancement smoothens the border between black and white, reducing rough edges, and thus seemingly increasing the resolution.<br>[0] : Off<br>[1] (Default) : On |

| Setting Item | Item Number | Value |
|---|---|---|
| ESCP switch | 55<br>(Text quality) | Sets the Text Quality mode to high quality or draft.<br>[0] (Default) : High Quality<br>[1] : Draft<br>**Important** • Since the default value is selected for the [Text Quality], [Reduced Characters], [Character Code Table], [Page Length], and [1-inch Perforation Skip] features, their settings will not be affected when an extended command is received.<br>**Note** • Changing settings does not change actual printing quality.<br>• This setting affect the Text Quality selection commands. For more information on the Text Quality selection commands, contact our Customer Support Center. |
| | 56<br>(Reduced characters) | Reduces the size of single-byte alphanumeric characters when printing. Sets whether to reduce their sizes or to print them at a scale of 100%.<br>[0] (Default) : Off<br>[1] : On |
| | 58<br>(Page length) | Sets the length of a page (printable area) to 11 inches or 12 inches.<br>[0] (Default) : 11 inches<br>[1] : 12 inches |
| | 59<br>(1-Inch perforation skip) | Sets whether or not to leave a 1-inch space between pages.<br>[0] (Default) : Off<br>[1] : On<br>**Important** • This is effective only when CSF under [Paper Position] is set to [Off]. |
| | 60<br>(Paper feed position) | Sets the position to start printing at 8.5 mm or 22 mm below the top edge of paper.<br>[0] (Default) : 8.5 mm<br>[1] : 22 mm |
| | 61<br>(CR feature) | Sets the action to be executed when a CR command is received.<br>[0] (Default) : Carriage return<br>[1] : Carriage return and linefeed |
| Position adjustment | 15<br>(Vertical position adjustment) | Adjusts the printing position vertically or horizontally, and changes the positions of the margins.<br>[0] (Default) : Off<br>[1-500] : -250 to +250 mm<br>**Important** • Data outside the printable area is not printed regardless of the adjustment of the print position. In addition, data moved outside the printable area as a result of adjusting the print position is not printed. |
| | 16<br>(Horizontal position adjustment) | |
| Escape sequence | 62<br>(Escape sequence) | A normal extended command is specified starting with hexadecimal 1BH ESC as the escape sequence identifying the command, followed by; (3BH).<br>When you cannot use a semicolon or ESC code with the host computer, you can use a special string instead as an escape sequence. This setting specifies whether or not to enable the escape sequence replacement feature. When enabling, specify the escape sequence with item 63.<br>[0] (Default) : Disabled<br>[1] : Enabled<br>For more information on extended commands, contact our Customer Support Center. |
| | 63<br>(Escape sequence character) | To control an extended command with a text code, you must specify an escape sequence (the first two bytes) of the extended command.<br>Enter two characters using the keyboard displayed on the screen.<br>[&%] (Default): 0x21 - 0x7e |

| Setting Item | Item Number | Value |
|---|---|---|
| Form overlay | 64 | Constantly performs Form Overlay by selecting a form name (No. 01-64) registered on the machine.<br>[0] (Default) : Off<br>[1-64] : No. 1 - No. 64<br>**Important** • Since the default value is selected for this feature, this setting is not affected when an extended commend is received.<br>• Once a form name is selected, it continues to be displayed even if the form is deleted. When a form name is selected using the up and down arrow keys, it is not displayed. In this case, the setting is set to "Off". |
| Stapling | 66 | Sets the stapling position.<br>[0] (Default) : Off<br>[1] : Top left<br>[2] : Top Double<br>[3] : Top Right<br>[4] : Left Double<br>[5] : Right Double<br>[6] : Bottom Left<br>[7] : Bottom Double<br>[8] : Bottom Right |
| Bypass Tray - Wait User | 67 | Sets whether to suspend the print processing when feeding paper from the Bypass Tray. Processing is resumed by a user operation on the machine.<br>[0] : Off<br>[1] (Default) : On |
| Form Type | 68 | Sets the form type.<br>[0] (Default) : ESC/P-K |
| Punching | 69 | Select the position for punching holes.<br>[0] (Default) : Off<br>[1] : Top<br>[2] : Bottom<br>[3] : Left<br>[4] : Right |
| Number of holes | 70 | Select the number of punch holes.<br>[0] (Default) : 2 holes<br>[1] : 3 holes<br>[2] : 4 holes |
| Binary character strings | 72 | Sets the character strings to be specified when entering commands in hexadecimal format.<br>[0] (Default) : Off<br>[1] : &$ % $<br>[2] : $?!# |
| 0 Style | 73 | Sets the typeface for "0".<br>[0] (Default) : 0<br>[1] : Ø |
| Number of sets | 74 | Sets the method of specifying the number of print sets.<br>[0] : Protocol<br>[1] : Panel<br>[2] (Default) : Command |

# Magnification Table

## Preset %

| Document Size | Paper Size | A3 | A4 | A5 | B4 | B5 | 11 x 17" | 8.5 x 14" | 8.5 x 13" | 8.5 x 11" | Postcard |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A3 | Long edge | 100 | 70 | 49 | 86 | 60 | 103 | 84 | 78 | 66 | 100 |
| | Short edge | 100 | 70 | 48 | 86 | 60 | 94 | 72 | 72 | 72 | 100 |
| A4 | Long edge | 143 | 100 | 70 | 123 | 86 | 147 | 120 | 112 | 94 | 48 |
| | Short edge | 143 | 100 | 69 | 123 | 86 | 135 | 103 | 103 | 103 | 45 |
| A5 | Long edge | 204 | 143 | 100 | 177 | 123 | 210 | 172 | 160 | 135 | 69 |
| | Short edge | 207 | 145 | 100 | 178 | 124 | 195 | 149 | 149 | 149 | 65 |
| B4 | Long edge | 116 | 81 | 57 | 100 | 70 | 119 | 98 | 90 | 76 | 100 |
| | Short edge | 116 | 81 | 56 | 100 | 70 | 109 | 83 | 83 | 83 | 100 |
| B5 | Long edge | 164 | 116 | 81 | 143 | 100 | 171 | 140 | 130 | 109 | 56 |
| | Short edge | 164 | 116 | 81 | 143 | 100 | 156 | 120 | 120 | 120 | 53 |
| 11 x 17" | Long edge | 97 | 68 | 48 | 84 | 59 | 100 | 82 | 76 | 64 | 100 |
| | Short edge | 106 | 74 | 51 | 92 | 64 | 100 | 77 | 77 | 77 | 100 |
| 8.5 x 14" | Long edge | 119 | 83 | 58 | 102 | 72 | 122 | 100 | 93 | 78 | 100 |
| | Short edge | 139 | 97 | 67 | 120 | 84 | 131 | 100 | 100 | 100 | 100 |
| 8.5 x 13" | Long edge | 128 | 90 | 63 | 111 | 77 | 132 | 108 | 100 | 84 | 100 |
| | Short edge | 139 | 97 | 67 | 120 | 84 | 131 | 100 | 100 | 100 | 100 |
| 8.5 x 11" | Long edge | 152 | 106 | 74 | 131 | 92 | 156 | 128 | 119 | 100 | 100 |
| | Short edge | 139 | 97 | 67 | 120 | 84 | 131 | 100 | 100 | 100 | 100 |
| Postcard | Long edge | 100 | 100 | 145 | 100 | 178 | 100 | 100 | 100 | 100 | 100 |
| | Short edge | 100 | 100 | 153 | 100 | 190 | 100 | 100 | 100 | 100 | 100 |
| 15 x 11" | Long edge | 119 | 83 | 58 | 103 | 72 | 122 | 100 | 93 | 78 | 100 |
| | Short edge | 103 | 72 | 50 | 89 | 62 | 97 | 74 | 74 | 74 | 100 |
| 15 x 12" | Long edge | 119 | 83 | 58 | 103 | 72 | 122 | 100 | 93 | 78 | 100 |
| | Short edge | 95 | 66 | 46 | 81 | 57 | 89 | 68 | 68 | 68 | 100 |
| 10 x 11" | Long edge | 147 | 103 | 72 | 127 | 89 | 151 | 124 | 115 | 97 | 50 |
| | Short edge | 142 | 99 | 68 | 122 | 85 | 133 | 102 | 102 | 102 | 45 |
| 10 x 12" | Long edge | 135 | 95 | 66 | 117 | 81 | 139 | 114 | 105 | 89 | 46 |
| | Short edge | 142 | 99 | 68 | 122 | 85 | 133 | 102 | 102 | 102 | 45 |

Unit: %

**Note**

- If the magnification for either the long edge or short edge is outside the range of 45 - 210%, the magnifications for both the long edge and short edge becomes 100%.

## Preset % (2-Up Printing)

| Document Size | Paper Size | A3/2 | A4/2 | A5/2 | B4/2 | B5/2 | 11 x 17" /2 | 8.5 x 14" /2 | 8.5 x 13" /2 | 8.5 x 11" /2 | Postcard /2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A3 | Long edge | 70 | 49 | 100 | 60 | 100 | 66 | 50 | 50 | 50 | 100 |
| | Short edge | 70 | 48 | 100 | 60 | 100 | 72 | 59 | 54 | 45 | 100 |

| Document Size | Paper Size | A3/2 | A4/2 | A5/2 | B4/2 | B5/2 | 11 x 17" /2 | 8.5 x 14" /2 | 8.5 x 13" /2 | 8.5 x 11" /2 | Postcard /2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A4 | Long edge | 100 | 70 | 48 | 86 | 60 | 94 | 72 | 72 | 72 | 100 |
| | Short edge | 100 | 69 | 48 | 86 | 59 | 103 | 84 | 78 | 65 | 100 |
| A5 | Long edge | 143 | 100 | 69 | 123 | 86 | 135 | 103 | 103 | 103 | 45 |
| | Short edge | 145 | 100 | 69 | 124 | 86 | 149 | 121 | 112 | 94 | 47 |
| B4 | Long edge | 81 | 57 | 100 | 70 | 49 | 76 | 58 | 58 | 58 | 100 |
| | Short edge | 81 | 56 | 100 | 70 | 48 | 83 | 68 | 63 | 53 | 100 |
| B5 | Long edge | 116 | 81 | 56 | 100 | 70 | 109 | 83 | 83 | 83 | 100 |
| | Short edge | 116 | 80 | 55 | 100 | 69 | 120 | 98 | 90 | 76 | 100 |
| 11 x 17" | Long edge | 68 | 48 | 100 | 59 | 100 | 64 | 49 | 49 | 49 | 100 |
| | Short edge | 74 | 51 | 100 | 64 | 100 | 77 | 62 | 58 | 48 | 100 |
| 8.5 x 14" | Long edge | 83 | 58 | 100 | 72 | 50 | 78 | 60 | 60 | 60 | 100 |
| | Short edge | 97 | 67 | 100 | 84 | 57 | 100 | 82 | 75 | 63 | 100 |
| 8.5 x 13" | Long edge | 90 | 63 | 100 | 77 | 54 | 84 | 64 | 64 | 64 | 100 |
| | Short edge | 97 | 67 | 100 | 84 | 57 | 100 | 82 | 75 | 63 | 100 |
| 8.5 x 11" | Long edge | 106 | 74 | 51 | 92 | 64 | 100 | 77 | 77 | 77 | 100 |
| | Short edge | 97 | 67 | 46 | 84 | 57 | 100 | 82 | 75 | 63 | 100 |
| Postcard | Long edge | 100 | 145 | 100 | 178 | 124 | 100 | 149 | 149 | 149 | 65 |
| | Short edge | 100 | 153 | 105 | 190 | 131 | 100 | 185 | 172 | 144 | 71 |
| 15 x 11" | Long edge | 83 | 58 | 100 | 72 | 100 | 78 | 60 | 60 | 60 | 100 |
| | Short edge | 72 | 50 | 100 | 62 | 100 | 74 | 60 | 56 | 47 | 100 |
| 15 x 12" | Long edge | 83 | 58 | 100 | 72 | 100 | 78 | 60 | 60 | 100 | 100 |
| | Short edge | 66 | 46 | 100 | 57 | 100 | 68 | 55 | 51 | 100 | 100 |
| 10 x 11" | Long edge | 103 | 72 | 50 | 89 | 62 | 97 | 74 | 74 | 74 | 100 |
| | Short edge | 99 | 68 | 47 | 85 | 59 | 102 | 83 | 77 | 64 | 100 |
| 10 x 12" | Long edge | 95 | 66 | 46 | 81 | 57 | 89 | 68 | 68 | 68 | 100 |
| | Short edge | 99 | 68 | 47 | 85 | 59 | 102 | 83 | 77 | 64 | 100 |

Unit: %

**Note**
- If the magnification for either the long edge or short edge is outside the range of 45 - 210%, the magnifications for both the long edge and short edge becomes 100%.

## Fit to Cut Sheet

| Document Size | Paper Size | A3 | A4 | A5 | B4 | B5 | 11 x 17" | 8.5 x 14" | 8.5 x 13" | 8.5 x 11" | Postcard |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A3 | Long edge | 98 | 69 | 48 | 85 | 59 | 101 | 83 | 77 | 64 | 100 |
| | Short edge | 97 | 68 | 47 | 84 | 58 | 91 | 70 | 70 | 70 | 100 |
| A4 | Long edge | 138 | 97 | 68 | 120 | 84 | 142 | 117 | 108 | 91 | 100 |
| | Short edge | 137 | 96 | 66 | 118 | 82 | 129 | 99 | 99 | 99 | 100 |
| A5 | Long edge | 196 | 137 | 96 | 169 | 118 | 201 | 165 | 153 | 129 | 66 |
| | Short edge | 195 | 136 | 94 | 168 | 117 | 183 | 140 | 140 | 140 | 62 |
| B4 | Long edge | 113 | 79 | 55 | 98 | 68 | 116 | 95 | 88 | 74 | 100 |
| | Short edge | 112 | 78 | 54 | 97 | 67 | 105 | 81 | 81 | 81 | 100 |

| Document Size | Paper Size | A3 | A4 | A5 | B4 | B5 | 11 x 17" | 8.5 x 14" | 8.5 x 13" | 8.5 x 11" | Postcard |
|---|---|---|---|---|---|---|---|---|---|---|---|
| B5 | Long edge | 160 | 112 | 78 | 138 | 97 | 165 | 135 | 125 | 105 | 54 |
| | Short edge | 158 | 110 | 76 | 136 | 95 | 149 | 114 | 114 | 114 | 50 |
| 11 x 17" | Long edge | 95 | 67 | 47 | 82 | 57 | 98 | 80 | 74 | 63 | 100 |
| | Short edge | 103 | 72 | 50 | 89 | 62 | 97 | 74 | 74 | 74 | 100 |
| 8.5 x 14" | Long edge | 116 | 81 | 57 | 100 | 70 | 119 | 98 | 90 | 76 | 100 |
| | Short edge | 133 | 93 | 64 | 115 | 80 | 125 | 96 | 96 | 96 | 100 |
| 8.5 x 13" | Long edge | 125 | 87 | 61 | 108 | 75 | 128 | 105 | 97 | 82 | 100 |
| | Short edge | 133 | 93 | 64 | 115 | 80 | 125 | 96 | 96 | 96 | 100 |
| 8.5 x 11" | Long edge | 147 | 103 | 72 | 127 | 89 | 151 | 124 | 115 | 97 | 100 |
| | Short edge | 133 | 93 | 64 | 115 | 80 | 125 | 96 | 96 | 96 | 100 |
| Postcard | Long edge | 100 | 195 | 136 | 100 | 168 | 100 | 100 | 100 | 183 | 94 |
| | Short edge | 100 | 201 | 139 | 100 | 173 | 100 | 100 | 100 | 207 | 91 |
| 15 x 11" | Long edge | 135 | 95 | 66 | 117 | 81 | 139 | 105 | 114 | 89 | 46 |
| | Short edge | 142 | 99 | 68 | 122 | 85 | 133 | 102 | 102 | 102 | 45 |
| 15 x 12" | Long edge | 135 | 95 | 66 | 117 | 81 | 139 | 105 | 114 | 89 | 46 |
| | Short edge | 142 | 99 | 68 | 122 | 85 | 133 | 102 | 102 | 102 | 45 |
| 10 x 11" | Long edge | 147 | 103 | 72 | 127 | 89 | 151 | 115 | 124 | 97 | 50 |
| | Short edge | 142 | 99 | 68 | 122 | 85 | 133 | 102 | 102 | 102 | 45 |
| 10 x 12" | Long edge | 147 | 103 | 72 | 127 | 89 | 151 | 124 | 115 | 97 | 50 |
| | Short edge | 142 | 99 | 68 | 122 | 85 | 133 | 102 | 102 | 102 | 45 |

Unit: %

**Note**
- If the magnification for either the long edge or short edge is outside the range of 45 - 210%, the magnifications for both the long edge and short edge becomes 100%.

## Fit to Cut Sheet (When 2 Up is specified)

| Document Size | Paper Size | A3/2 | A4/2 | A5/2 | B4/2 | B5/2 | 11 x 17" /2 | 8.5 x 14" /2 | 8.5 x 13" /2 | 8.5 x 11" /2 | Postcard /2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A3 | Long edge | 69 | 48 | 100 | 59 | 100 | 64 | 49 | 49 | 100 | 100 |
| | Short edge | 68 | 47 | 100 | 58 | 100 | 70 | 57 | 53 | 100 | 100 |
| A4 | Long edge | 97 | 68 | 47 | 84 | 58 | 91 | 70 | 70 | 70 | 100 |
| | Short edge | 96 | 66 | 46 | 82 | 57 | 99 | 80 | 74 | 62 | 100 |
| A5 | Long edge | 137 | 96 | 66 | 118 | 82 | 129 | 99 | 99 | 99 | 100 |
| | Short edge | 136 | 84 | 65 | 117 | 80 | 140 | 114 | 106 | 88 | 100 |
| B4 | Long edge | 79 | 55 | 100 | 68 | 48 | 74 | 57 | 57 | 57 | 100 |
| | Short edge | 78 | 54 | 100 | 67 | 46 | 81 | 66 | 61 | 51 | 100 |
| B5 | Long edge | 112 | 78 | 54 | 97 | 67 | 105 | 81 | 81 | 81 | 100 |
| | Short edge | 110 | 76 | 53 | 95 | 65 | 114 | 93 | 86 | 72 | 100 |
| 11 x 17" | Long edge | 67 | 47 | 100 | 57 | 100 | 63 | 48 | 48 | 48 | 100 |
| | Short edge | 72 | 50 | 100 | 62 | 100 | 74 | 60 | 56 | 47 | 100 |
| 8.5 x 14" | Long edge | 81 | 47 | 100 | 70 | 49 | 76 | 58 | 58 | 58 | 100 |
| | Short edge | 93 | 50 | 100 | 80 | 55 | 96 | 78 | 72 | 61 | 100 |

| Document Size | Paper Size | A3/2 | A4/2 | A5/2 | B4/2 | B5/2 | 11 x 17" /2 | 8.5 x 14" /2 | 8.5 x 13" /2 | 8.5 x 11" /2 | Postcard /2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.5 x 13" | Long edge | 87 | 61 | 100 | 75 | 52 | 82 | 63 | 63 | 63 | 100 |
| | Short edge | 93 | 64 | 100 | 80 | 55 | 96 | 78 | 72 | 61 | 100 |
| 8.5 x 11" | Long edge | 103 | 89 | 100 | 89 | 72 | 97 | 74 | 74 | 74 | 100 |
| | Short edge | 93 | 80 | 100 | 80 | 55 | 96 | 78 | 72 | 61 | 100 |
| Postcard | Long edge | 195 | 136 | 94 | 168 | 117 | 183 | 140 | 140 | 140 | 62 |
| | Short edge | 201 | 139 | 96 | 173 | 119 | 207 | 169 | 156 | 131 | 65 |
| 15 x 11" | Long edge | 95 | 66 | 46 | 81 | 57 | 89 | 68 | 68 | 68 | 100 |
| | Short edge | 99 | 68 | 47 | 85 | 59 | 102 | 83 | 77 | 64 | 100 |
| 15 x 12" | Long edge | 95 | 66 | 46 | 81 | 57 | 89 | 68 | 68 | 68 | 100 |
| | Short edge | 99 | 68 | 47 | 85 | 59 | 102 | 83 | 77 | 64 | 100 |
| 10 x 11" | Long edge | 103 | 72 | 50 | 89 | 62 | 97 | 74 | 74 | 74 | 100 |
| | Short edge | 99 | 68 | 47 | 85 | 59 | 102 | 83 | 77 | 64 | 100 |
| 10 x 12" | Long edge | 103 | 72 | 50 | 89 | 62 | 97 | 74 | 74 | 74 | 100 |
| | Short edge | 99 | 68 | 47 | 85 | 59 | 102 | 83 | 77 | 64 | 100 |

Unit: %

**Note**
- If the magnification for either the long edge or short edge is outside the range of 45 - 210 %, the magnifications for both the long edge and short edge becomes 100 %.

## Paper Size and Number of Printable Characters

### When the paper feed position is 22 mm

| Paper Size | Portrait | | Landscape | |
|---|---|---|---|---|
| | Characters | Lines | Characters | Lines |
| A3 | 113 | 92 | 161 | 63 |
| B4 | 97 | 78 | 139 | 53 |
| A4 | 79 | 63 | 113 | 42 |
| B5 | 68 | 53 | 97 | 35 |
| A5 | 54 | 42 | 79 | 27 |
| Postcard | 35 | 30 | 54 | 19 |
| 11 x 17" | 106 | 94 | 166 | 58 |
| 8.5 x 14" | 81 | 76 | 136 | 43 |
| 8.5 x 13" | 81 | 70 | 126 | 43 |
| 8.5 x 11" | 81 | 58 | 106 | 43 |

### When the paper feed position is 8.5 mm

| Paper Size | Portrait | | Landscape | |
|---|---|---|---|---|
| | Characters | Lines | Characters | Lines |
| A3 | 113 | 95 | 161 | 66 |
| B4 | 97 | 82 | 139 | 56 |
| A4 | 79 | 66 | 113 | 45 |
| B5 | 68 | 56 | 97 | 39 |
| A5 | 54 | 45 | 79 | 31 |
| Postcard | 35 | 30 | 54 | 19 |
| 11 x 17" | 106 | 98 | 166 | 62 |
| 8.5 x 14" | 81 | 80 | 136 | 47 |
| 8.5 x 13" | 81 | 74 | 126 | 47 |
| 8.5 x 11" | 81 | 62 | 106 | 47 |

**Note**
- The values are based on 10-cpi character pitch and 6-lpi line pitch.
- The magnification for both the long edge and short edge is 100%.
- Some paper sizes may not be available depending on your hardware configuration.

### Fit to Cut Sheet

| Paper Size | Portrait | | Landscape | |
|---|---|---|---|---|
| | Characters | Lines | Characters | Lines |
| A3 | 116 | 99 | 165 | 70 |
| B4 | 101 | 85 | 143 | 60 |
| A4 | 82 | 70 | 116 | 49 |
| B5 | 71 | 60 | 101 | 42 |
| A5 | 58 | 49 | 82 | 34 |
| Postcard | 39 | 34 | 58 | 23 |
| 11 x 17" | 110 | 102 | 170 | 66 |
| 8.5 x 14" | 85 | 84 | 140 | 51 |
| 8.5 x 13" | 85 | 78 | 130 | 51 |
| 8.5 x 11" | 85 | 66 | 110 | 51 |

**Note**
- The values are based on 10-cpi character pitch and 6-lpi line pitch.
- Some paper sizes may not be available depending on your hardware configuration.

### 15-inch Continuous Form Mode (When Aligned at Left in Landscape Orientation)

| Paper Size | Portrait | | Landscape | |
|---|---|---|---|---|
| | Characters | Lines | Characters | Lines |
| All supported paper sizes | 136 | 66 | 136 | 72 |

**Note** • The values are based on 10-cpi character pitch and 6-lpi line pitch.

### 10-inch Continuous Form Mode

| Paper Size | Portrait | | Landscape | |
|---|---|---|---|---|
| | Characters | Lines | Characters | Lines |
| All supported paper sizes | 80 | 66 | 80 | 72 |

# PDF Direct Print

PDF Direct Print is a feature that prints PDF files by directly using the lpr command instead of a print driver. When this feature is used, the following items will be printed based on the settings of [PDF] under [Print Mode].

- Output Quantity
- 2 Sided Printing
- Print Mode
- Collate
- Layout
- Paper Size
- Output Color
- Print Processing Mode

**Note**
- Two types of the PDF Direct Printing methods are available: the genuine Adobe PDF Direct Print and the non-PostScript PDF Direct Print (PDF Bridge). You can select which method to prioritize in the System Administration mode.
- When you use the lpr command to print, specify the number of copies to be printed in the lpr command. The copy quantity setting made on [Output Quantity] under [PDF] becomes invalid. If the copy quantity is not specified in the lpr command, only one copy is printed.
- Before you print PDF file using the lpr command, the LPD protocol of the machine must be started with the control panel or CentreWare Internet Services.
- PDF Direct Print supports PDF version 1.6.

## PDF Direct Print Settings

This section describes the available settings with the PDF Direct Print feature.

The settings configured here are valid when printing PDF files without using "ContentsBridge" provided by Fuji Xerox.

**Note**
- For information on printing PDF files using ContentsBridge Utility, refer to the manual provided on the Driver CD Kit.

| Setting Item | Item Number | Value |
|---|---|---|
| Output quantity | 401 | Sets the number of copies to be printed.<br>[1-999] (Default: 1): 1-999 sheets |
| 2 sided printing | 402 | Sets the 2 sided printing option.<br>[0] (Default) : 1 Sided<br>[1] : 2 Sided, Flip on Long Edge<br>[2] : 2 Sided, Flip on Short Edge<br>[2 Sided Print] prints 2 sided in the orientation so that pages can be bound along the long edge.<br>[2 Sided Print] prints 2 sided in the orientation so that pages can be bound along the short edge. |
| Print mode | 403 | Selects which you prioritize: image quality or print speed.<br>[0] (Default) : Standard<br>[1] : High Speed<br>[2] : Fine<br>The [Standard] setting prints in a standard speed and quality.<br>The [High Speed] setting prioritize the print speed.<br>The [Fine] quality setting prints in high quality but in a slower speed. |
| Collate | 404 | Selects whether to print multiple-sheet documents as collated sets (1, 2, 3...1, 2, 3...).<br>[0] (Default) : Off<br>[1] : On |

| Setting Item | Item Number | Value |
|---|---|---|
| Layout | 405 | Sets the layout for printing.<br>**Note** • This item can be set when [PDF Bridge] is selected for [Print Processing Mode].<br>[0] (Default) : Auto %<br>[1] : Booklet<br>[2] : 2-up<br>[3] : 4-up<br>[4] : 100 % (size-by-size)<br>The [Auto %] setting automatically calculates the largest magnification possible to fit to the output paper size.<br>The [Booklet] setting prints the images side by side, on both sides of each page, in the correct order to make a booklet based on the layout of the original PDF file. Some documents may not be printed in a booklet fashion depending on the structure of their pages. In this case, they will be printed with the [Auto %] setting.<br>**Note** • When [A4] is selected for [Paper Size], documents will be printed on A4 size paper.<br>• When [Paper Size] is set to [Auto], documents will be printed on A3 or A4 size paper.<br>The [2-up] setting prints two pages onto one sheet of paper. When [2-Up] is selected, the paper size is fixed at A4.<br>The [4-up] setting prints four pages on each sheet of paper. When [4-Up] is selected, the paper size is fixed at A4. |
| Paper size | 406 | Sets the size of the paper to be printed.<br>[0] (Default) : Auto<br>[1] : A4<br>The [Auto] setting automatically determines the paper size, based on the size and settings of a PDF file to be printed. |
| Output color | 407 | Sets whether to print in color or monochrome.<br>[0] (Default) : Auto<br>[1] : Black<br>The [Auto] setting automatically determines the output color: color or monochrome for each page. If colors other than black and white are used on the original, the machine prints the document in color, and if only black and white are used on the original, the machine prints in monochrome. |
| Print processing mode | 408 | Sets the print processing mode when you use the PDF Direct Print feature.<br>[0] (Default) : PDF Bridge<br>[1] : PS<br>[PDF Bridge] processes PDF files using the PDF Direct Print feature provided by Fuji Xerox.<br>[PS] processes PDF files using the PostScript feature provided by Adobe.<br>**Note** • This item is displayed when the Adobe PostScript 3 Kit (optional) is installed.<br>• The print results may differ between the [PDF Bridge] and [PS] selections.<br>• When [PS] is selected, the [Layout] setting becomes invalid. |

# DocuWorks Direct Print

DocuWoks Direct Print is a feature that prints DocuWoks files by directly using the lpr command instead of a print driver. When this feature is used, the following items will be printed based on the settings of [DocuWoks] under [Print Mode].

- Output Quantity
- 2 Sided Printing
- Print Mode
- Collate
- Layout
- Paper Size
- Output Color

**Important** • You cannot print DocuWorks files with Japanese fonts used.

**Note** • When you use the lpr command to print, specify the number of copies to be printed in the lpr command. The copy quantity setting made on [Output Quantity] under [DocuWoks] becomes invalid. If the copy quantity is not specified in the lpr command, only one copy is printed.

• Before you print DocuWoks file using the lpr command, the LPD protocol of the machine must be started with the control panel or CentreWare Internet Services.

## DocuWorks Direct Print Settings

This section describes the available settings with the DocuWorks Direct Print feature.

The settings configured here are valid when printing DocuWorks files without using "ContentsBridge" provided by Fuji Xerox.

**Note** • For information on printing DocuWorks files using ContentsBridge Utility, refer to the manual provided on the Driver CD Kit.

| Setting Item | Item Number | Value |
|---|---|---|
| Output quantity | 501 | Sets the number of copies to be printed.<br>[1-999] (Default: 1): 1-999 sheets |
| 2 sided printing | 502 | Sets the 2 sided printing option.<br>[0] (Default) : 1 Sided<br>[1] : 2 Sided, Flip on Long Edge<br>[2] : 2 Sided, Flip on Short Edge<br>[2 Sided Print] prints 2 sided in the orientation so that pages can be bound along the long edge.<br>[2 Sided Print] prints 2 sided in the orientation so that pages can be bound along the short edge. |
| Print mode | 503 | Selects which you prioritize: image quality or print speed.<br>[0] (Default) : Standard<br>[1] : High Speed<br>[2] : Fine<br>The [Standard] setting prints in a standard speed and quality.<br>The [High Speed] setting prioritize the print speed.<br>The [Fine] quality setting prints in high quality but in a slower speed. |
| Collate | 504 | Selects whether to print multiple-sheet documents as collated sets (1, 2, 3...1, 2, 3...).<br>[0] (Default) : Off<br>[1] : On |

| Setting Item | Item Number | Value |
|---|---|---|
| Layout | 505 | Sets the layout for printing.<br>[0] (Default) : Auto %<br>[1] : Booklet<br>[2] : 2-up<br>[3] : 4-up<br>[4] : 100 % (size-by-size)<br><br>The [Auto %] setting automatically calculates the largest magnification possible to fit to the output paper size.<br>The [2-up] setting prints two pages onto one sheet of paper. When [2-Up] is selected, the paper size is fixed at A4.<br>The [4-up] setting prints four pages on each sheet of paper. When [4-Up] is selected, the paper size is fixed at A4. |
| Paper size | 506 | Sets the size of the paper to be printed.<br>[0] (Default) : Auto<br>[1] : A4<br>The [Auto] setting automatically determines the paper size, based on the size and settings of a DocuWorks file to be printed. |
| Output color | 507 | Sets whether to print in color or monochrome.<br>[0] (Default) : Auto<br>[1] : Black<br>The [Auto] setting automatically determines the output color: color or monochrome for each page. If colors other than black and white are used on the original, the machine prints the document in color, and if only black and white are used on the original, the machine prints in monochrome. |

# PCL Emulation

## Emulation

This section describes the printer language emulations available on the machine.

Print data conforms to certain rules (grammars). These rules (grammars) are called printer languages.

The machine supports two types of printer languages: a page description language, which is used to create images on a page-by-page basis, and an emulation, which is used to achieve the print results similar to those of other printers. To "emulate" means to imitate the print results of other printers.

### Emulation Mode

When printing data written in a language other than a page description language supported by the machine, switch the machine to the emulation mode. The relationships between the emulation mode and the printer to be emulated are as follows:

| Emulation Mode | Printer to be Emulated |
|---|---|
| PCL emulation mode (PCL mode) | LJ4200 |

### Switching between Printer Languages

The machine provides the Multi-emulation feature that allows switching between different printer languages.

The methods of switching between printer languages are as follows:

- **Switching by Commands**

  Commands for switching between printer languages are provided. Upon receipt of a command, the machine switches to the relevant printer language.

- **Automatic Switching**

  The machine analyzes the data received by a host interface, and automatically identifies the printer language to be used. It then switches to the identified printer language.

- **Interface-dependent**

  You can set a printer language for each host interface by using CentreWare Internet Services. The machine switches to a printer language corresponding to the host interface that received data.

## Fonts

### Available fonts

The following fonts can be used for PCL emulation:

**■ Alphanumeric fonts**

- CG Times
- CG Times Italic
- CG Times Bold
- Univers Bold Condensed
- Univers Bold Condensed Italic
- Antique Olive

- CG Times Italic Bold
- Univers Medium
- Univers Medium Italic
- Univers Bold
- Univers Bold Italic
- Univers Medium Condensed
- Univers Medium Condensed Italic
- Garamond Kursiv
- Garamond Halbfett
- Garamond Kursiv Halbfett
- Courier
- Courier Italic
- Courier Bold
- Courier Bold Italic
- Letter Gothic
- Letter Gothic Italic
- Letter Gothic Bold
- Albertus Medium
- Albertus Extra Bold
- Clarendon Condensed
- Coronet
- Marigold
- Arial
- Arial Italic
- Arial Bold
- Arial Bold Italic
- Times New
- Times New Italic
- Times New Bold
- Times New Bold Italic
- Symbol
- Wingdings
- Line Printer
- Times Roman
- Times Italic
- Times Bold
- Times Bold Italic
- Helvetica
- Antique Olive Italic
- Antique Olive Bold
- CG Omega
- CG Omega Italic
- CG Omega Bold
- CG Omega Bold Italic
- Garamond Antiqua
- Helvetica Oblique
- Helvetica Bold
- Helvetica Bold Oblique
- CourierPS
- CourierPS Oblique
- CourierPS Bold
- CourierPS Bold Oblique
- SymbolPS
- Palatino Roman
- Palatino Italic
- Palatino Bold
- Palatino Bold Italic
- ITC Bookman Light
- ITC Bookman Light Italic
- ITC Bookman Demi
- ITC Bookman Demi Italic
- Helvetica Narrow
- Helvetica Narrow Oblique
- Helvetica Narrow Bold
- Helvetica Narrow Bold Oblique
- New Century Schoolbook Roman
- New Century Schoolbook Italic
- New Century Schoolbook Bold
- New Century Schoolbook Bold Italic
- ITC Avant Garde Book
- ITC Avant Garde Book Oblique
- ITC Avant Garde Demi
- ITC Avant Garde Demi Oblique
- ITC Zapf Chancery Medium Italic
- ITC Zapf Dingbats
- OCR-B

### Font Caching

To ensure hi-speed printing, outline fonts of up to a certain size are cached. Outline fonts are converted into bitmap data temporarily and then printed. To minimize this processing time, the processed bitmap data is saved in the memory. This process is called font caching.

The saved bitmap data is deleted when you turn the machine off or reset it. For the PCL emulation mode, data other than that being processed is not saved.

## Output Feature

This section describes the machine's output feature. The following two output features are available:

- Outputting a Pending Print Job
- Forcible Output in Emulation Mode

### Outputting a Pending Print Job

The printing of jobs already received by the machine can be prioritized over other jobs.

For information on prioritizing the printing of jobs already received by the machine, refer to "10 Job Status" > "Printing Pending Jobs" in the User Guide.

### Forcible Output in Emulation Mode

In emulation mode, data is not output until one complete page of data is prepared or the page break command is received. For a USB interface, if printing ends in the middle of a page, the next data set waits until the time set with [Auto Eject Time] elapses.

In this case, the Forcible Printing feature does not wait for the auto eject time; however, forcibly prints the data within the machine.

For more information on forcible printing, refer to "10 Job Status" in the User Guide.

For more information on the auto eject time, refer to "Installation When Using USB Port" (P.303).

## PCL Emulation Settings

The following table shows the emulation parameters and their values for PCL emulation.

### PCL Settings List

The following table describes the parameters that can be set with the mode menu.

| Parameter | Item No. | Value |
|---|---|---|
| Paper tray | 201 | Sets the paper tray to be used for printing.<br>[0] (Default) : Auto<br>[1] : Tray 1<br>[2] : Tray 2<br>[3] : Tray 3<br>[4] : Tray 4<br>[5] : Tray 5<br>**Important** • When Trays 1 to 4 is selected, the paper size is determined by the size of paper loaded in the tray, and thus [Paper Size] cannot be set.<br>**Note** • When [Auto] is selected and paper of the same size in the same orientation in multiple trays is loaded, paper will be fed in the order of Tray 1 → Tray 2 → Tray 3 → Tray 4. If paper of the same size is loaded in multiple trays but in different orientations, feeding of the paper loaded in the landscape orientation is prioritized. |

| Parameter | Item No. | Value |
|---|---|---|
| Auto size | 202 | Sets the default paper size. Only available when [Paper Tray] is set to [Auto]. Only cut sheet can be set.<br>[3] : A3<br>[4] (Default*) : A4<br>[5] : A5<br>[14] : B4<br>[15] : B5<br>[21] : 8.5 × 14”<br>[22] : 8.5 × 13”<br>[23] (Default*) : 8.5 × 11”<br>[24] : 11 × 17”<br>[25] : Custom Size<br>[30] : 8K<br>**Important** • When Trays 1 to 4 is selected, [Paper Size] cannot be set. The paper size loaded in the specified tray is displayed.<br>**Note** • When Trays 1 to 4 is selected, the paper size is determined by the size of paper loaded in the tray, and thus [Paper Size] cannot be set.<br>• Depending on the combination of [Original Size] and [Paper Size], [?] may be displayed for the magnification. In this case, the document is printed at a scale of 100%. |
| Bypass size | 203 | Sets the default paper size. Only available when [Paper Tray] is set to [Auto]. Only cut sheet can be set.<br>[3] : A3<br>[4] (Default*) : A4<br>[5] : A5<br>[14] : B4<br>[15] : B5<br>[21] : 8.5 × 14”<br>[22] : 8.5 × 13”<br>[23] (Default*) : 8.5 × 11”<br>[24] : 11 × 17”<br>[25] : Custom Size |
| Output destination | 204 | Sets the output tray for the printouts.<br>[0] (Default) : Center Tray or Center Tray - Lower<br>[1] : Left Top Tray (optional)<br>[2] : Center Tray - Upper<br>[80] : Right Middle Tray (optional) |
| Orientation | 205 | Set the orientation of paper.<br>[0] (Default) : Portrait<br>[1] : Landscape |
| 2 Sided printing | 206 | Sets the 2 sided printing.<br>[0] (Default) : Off<br>[1] : On |

| Parameter | Item No. | Value | |
|---|---|---|---|
| Default font | 207 | [0] : CG Times<br>[1] : CG Times Italic<br>[2] : CG Times Bold<br>[3] : CG Times Bold Italic<br>[4] : Univers Medium<br>[5] : Univers Medium Italic<br>[6] : Univers Bold<br>[7] : Univers Bold Italic<br>[8] : Univers Medium Condensed<br>[9] : Univers Medium Condensed Italic<br>[10] : Univers Bold Condensed<br>[11] : Univers Bold Condensed Italic<br>[12] : Antique Olive<br>[13] : Antique Olive Italic<br>[14] : Antique Olive Bold<br>[15] : CG Omega<br>[16] : CG Omega Italic<br>[17] : CG Omega Bold<br>[18] : CG Omega Bold Italic<br>[19] : Garamond Antiqua<br>[20] : Garamond Kursiv<br>[21] : Garamond Halbfett<br>[22] : Garamond Kursiv Halbfett<br>[23] (Default): Courier<br>[24] : Courier Italic<br>[25] : Courier Bold<br>[26] : Courier Bold Italic<br>[27] : Letter Gothic<br>[28] : Letter Gothic Italic<br>[29] : Letter Gothic Bold<br>[30] : Albertus Medium<br>[31] : Albertus Extra Bold<br>[32] : Clarendon Condensed<br>[33] : Coronet<br>[34] : Marigold<br>[35] : Arial<br>[36] : Arial Italic<br>[37] : Arial Bold<br>[38] : Arial Bold Italic<br>[39] : Times New<br>[40] : Times New Italic<br>[41] : Times New Bold<br>[42] : Times New Bold Italic | [43] : Symbol<br>[44] : Wingdings<br>[45] : Line Printer<br>[46] : Times Roman<br>[47] : Times Italic<br>[48] : Times Bold<br>[49] : Times Bold Italic<br>[50] : Helvetica<br>[51] : Helvetica Oblique<br>[52] : Helvetica Bold<br>[53] : Helvetica Bold Oblique<br>[54] : CourierPS<br>[55] : CourierPS Oblique<br>[56] : CourierPS Bold<br>[57] : CourierPS Bold Oblique<br>[58] : SymbolPS<br>[59] : Palatino Roman<br>[60] : Palatino Italic<br>[61] : Palatino Bold<br>[62] : Palatino Bold Italic<br>[63] : ITC Bookman Light<br>[64] : ITC Bookman Light Italic<br>[65] : ITC Bookman Demi<br>[66] : ITC Bookman Demi Italic<br>[67] : Helvetica Narrow<br>[68] : Helvetica Narrow Oblique<br>[69] : Helvetica Narrow Bold<br>[70] : Helvetica Narrow Bold Oblique<br>[71] : New Century Schoolbook Roman<br>[72] : New Century Schoolbook Italic<br>[73] : New Century Schoolbook Bold<br>[74] : New Century Schoolbook Bold Italic<br>[75] : ITC Avant Garde Book<br>[76] : ITC Avant Garde Book Oblique<br>[77] : ITC Avant Garde Demi<br>[78] : ITC Avant Garde Demi Oblique<br>[79] : ITC Zapf Chancery Medium Italic<br>[80] : ITC Zapf Dingbats |

| Parameter | Item No. | Value | |
|---|---|---|---|
| Symbol set | 208 | [0] (Default): Roman 8<br>[1] : ISO 8859-1 Latin 1<br>[2] : ISO 8859-2 Latin 2<br>[3] : ISO 8859-9 Latin 5<br>[4] : ISO 8859-10 Latin 6<br>[5] : PC-8<br>[6] : PC-8 DN<br>[7] : PC-775<br>[8] : PC-850<br>[9] : PC-852<br>[10] : PC-1004 (OS/2)<br>[11] : PC Turkish<br>[12] : Windows 3.1 Latin 1<br>[13] : Windows 3.1 Latin 2<br>[14] : Windows 3.1 Latin 5<br>[15] : DeskTop<br>[16] : PS Text<br>[17] : MC Text | [18] : Microsoft Publishing<br>[19] : Math 8<br>[20] : PS Math<br>[21] : Pi Font<br>[22] : Legal<br>[23] : ISO 4 United Kingdom<br>[24] : ISO 6 ASCII<br>[25] : ISO 11 Swedish:names<br>[26] : ISO 15 Italian<br>[27] : ISO 17 Spanish<br>[28] : ISO 21 German<br>[29] : ISO 60 Norwegian v1<br>[30] : ISO 69 French<br>[31] : Windows 3.0 Latin 1<br>[32] : Windows Baltic<br>[33] : Symbol<br>[34] : Wingdings<br>[35] : UCS-2 |
| Font size | 209 | Specifies the point size of a font in 25 increments. The value of 100 represents 1 point.<br>[400] - [5000] (Default: [1200]): 4.00 to 50.00 point | |
| Font pitch | 210 | Specifies the pitch size of a font. The value of 100 represents the pitch size of 1 point.<br>[600] - [2400] (Default: [1000]): 6.00 to 24.00 point | |
| Form line | 211 | Specifies the number of lines on a page.<br>[5] - [128] (Default: [64]): 6.00 to 24.00 point | |
| Print sets | 212 | Sets the number of copies to be printed.<br>[1] - [999] (Default: [1]): 1 to 999 sets<br>**Important** • When the output quantity is specified by a client, that number of copies is printed. After printing, the number set on the control panel is overwritten with the number newly specified. However, the number of copies specified from the NetWare or lpd port will not overwrite the number set on the control panel. | |
| Image enhance | 213 | Sets whether or not to enable the Image Enhancement feature.<br>Image Enhancement smoothens the border between black and white, reducing rough edges, and thus seemingly increasing the resolution.<br>[0] : Off<br>[1] (Default) : On | |
| HexDump | 214 | Sets whether to enable a hex dump.<br>0 (Default) : Off<br>1 : On | |
| Draft mode | 215 | When printing in black and white, prints the portion printed in black by using the draft mode. This feature is enabled for the entire document.<br>0 (Default) : Off<br>1 : On | |
| Color mode | 216 | Sets the color mode.<br>0 (Default) : Auto<br>1 : Color<br>2 : Mono | |

| Parameter | Item No. | Value |
|---|---|---|
| Binding | 217 | Sets binding when printing 2 sided.<br>You can select [LEF] or [SEF] for 2 sided printing. Select according to the edge to be bound. Unifies the leading direction of the image on the front and rear sides of the paper at the long edge of the paper for LEF and at the short edge of the paper for SEF.<br>[0] (Default) : LEF<br>[1] : SEF |
| Line termination | 218 | Sets line termination processing.<br>[0] (Default) : Off<br>[1] : Add-LF (Appends an LF to CR)<br>[2] : Add-CR (Appends a CR to LF and FF)<br>[3] : CR-XX (Appends a CR to LF and FF, and LF to CR) |
| Default custom paper size | 219(Short edge)<br>220(Long edge) | Specifies the default custom paper size.<br>[2100] (Default short-edge value) : 210.0 mm<br>[2970] (Default long-edge value) : 297.0 mm<br>[0] - [9999] : 0 to 999.9 mm |
| Print Quantity Setup | 221 | Sets the method for specifying the number of copies to print.<br>[0] : Protocol<br>[1] : Panel<br>[2] (Default) : Command |

# HP-GL2 Emulation

## Emulation

This section describes the printer language emulations available on the machine.

Print data conforms to certain rules (grammars). These rules (grammars) are called printer languages.

The machine supports two types of printer languages: a page description language, which is used to create images on a page-by-page basis, and an emulation, which is used to achieve the print results similar to those of other printers. To "emulate" means to imitate the print results of other printers.

### Emulation Mode

When printing data written in a language other than a page description language supported by the machine, switch the machine to the emulation mode. The relationships between the emulation mode and the printer to be emulated are as follows:

| Emulation Mode | Printer to be Emulated |
|---|---|
| HP-G/2 emulation mode (HP-GL/2 mode) | DJ750C Plus |

### Switching between Printer Languages

The machine provides the Multi-emulation feature that allows switching between different printer languages.

The methods of switching between printer languages are as follows:

- **Switching by Commands**

  Commands for switching between printer languages are provided. Upon receipt of a command, the machine switches to the relevant printer language.

- **Automatic Switching**

  The machine analyzes the data received by a host interface, and automatically identifies the printer language to be used. It then switches to the identified printer language.

- **Interface-dependent**

  You can set a printer language for each host interface by using CentreWare Internet Services. The machine switches to a printer language corresponding to the host interface that received data.

## Fonts

### Available fonts

The following fonts can be used for HP-GL/2 emulation:

**Alphanumeric fonts**

- Roman
- Sans serif

### Font Caching

To ensure hi-speed printing, outline fonts of up to a certain size are cached. Outline fonts are converted into bitmap data temporarily and then printed. To minimize this processing time, the processed bitmap data is saved in the memory. This process is called font caching.

The saved bitmap data is deleted when you turn the machine off or reset it. For the PCL emulation mode, data other than that being processed is not saved.

## Output Feature

This section describes the machine's output feature. The following two output features are available:

- Outputting a Pending Print Job
- Forcible Output in Emulation Mode

### Outputting a Pending Print Job

The printing of jobs already received by the machine can be prioritized over other jobs.

For information on prioritizing the printing of jobs already received by the machine, refer to "10 Job Status" > "Printing Pending Jobs" in the User Guide.

### Forcible Output in Emulation Mode

In emulation mode, data is not output until one complete page of data is prepared or the page break command is received. For a USB interface, if printing ends in the middle of a page, the next data set waits until the time set with [Auto Eject Time] elapses.

In this case, the Forcible Printing feature does not wait for the auto eject time; however, forcibly prints the data within the machine.

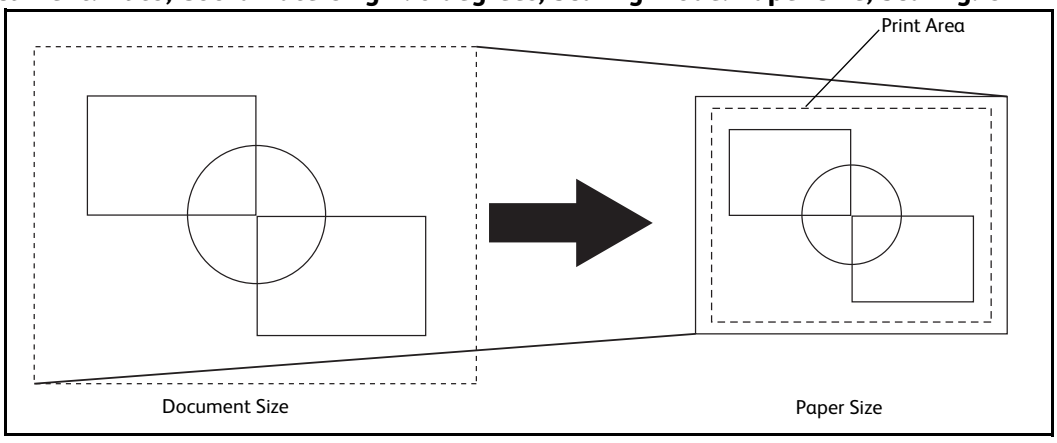
For more information on forcible printing, refer to "10 Job Status" in the User Guide.

For more information on the auto eject time, refer to "Installation When Using USB Port" (P.303).

## Factory Default Settings

In HP-GL or HP-GL/2 emulation mode factory default setting, the document is reduced or enlarged to print according to the paper size (Auto Layout).

■ **Document: Auto, Coordinate Origin: 0 degrees, Scaling Mode: Paper Size, Scaling: On**




**Note** • Change the factory default setting if required. For more information on changing procedures, refer to "HP-GL2 Emulation" (P.606).

### Paper Margin

The paper size is set to A4 by factory default. If the print data is larger than the active coordinates area, the machine prints the data on the next larger A series paper (in this case, A3).

When you set the paper margins, however, the active coordinates area is determined by subtracting the area set in paper margins from the active coordinates area obtained in the area determination mode. Therefore, set the paper margins if the data is printed on larger paper than specified. Set the range from 0 to 99 mm. The default value is 0 mm.

## HP-GL/2 Emulation Settings

The following table shows the emulation parameters and their values for HP-GL2 emulation.

### HP-GL Settings List

Items that can be set using the HP-GL mode menu are explained in two groups: basic settings and extended settings.

### Basic Settings

| Parameter | Item No. | Value |
|---|---|---|
| Document size | 101 | Sets the document size created by a computer.<br>[0] : A0<br>[1] : A1<br>[2] : A2<br>[3] : A3<br>[4] : A4<br>[5] : A5<br>[10] : B0<br>[11] : B1<br>[12] : B2<br>[13] : B3<br>[14] : B4<br>[15] : B5<br>[99] (Default) : Auto<br>[100] : Paper<br>When [Auto] is selected, the settings of the Scaling mode, the Area Determination mode, and the Paper Margin settings of Print Control become enabled.<br>**Note** • If the document size other than [Auto] is selected, the settings under [Auto layout] become [ON].<br>• Depending on the combination of [Document size] and [Paper size], the document is printed at a scale of 100%. |

| Parameter | Item No. | Value |
|---|---|---|
| Paper size | 102 | Sets the default paper size. Only available when [Paper tray] is set to [Auto] or [Tray 5]. Only cut sheet can be set.<br>[3] : A3<br>[4] (Default*) : A4<br>[5] : A5<br>[14] : B4<br>[15] : B5<br>[99] : Auto<br>[101] (Default*) : A Size<br>**Important** • When Trays 1 to 4 is selected, [Paper size] cannot be set. The paper size loaded in the specified tray is displayed.<br>**Note** • If [A Size] or [Auto] is selected, the settings become as follows:<br>- When [Document size] is set to other than [Auto], [Paper size] is set to [A3].<br>- When Trays 1 to 4 is selected, the paper size is determined by the size of paper loaded in the tray, and thus [Paper size] cannot be set.<br>- Depending on the combination of [Document size] and [Paper size], [?] may be displayed for the magnification. In this case, the document is printed at a scale of 100%. |
| Paper tray | 103 | Sets the paper tray to be used for printing.<br>[0] (Default) : Auto<br>[1] : Tray 1<br>[2] : Tray 2<br>[3] : Tray 3<br>[4] : Tray 4<br>[5] : Tray 5<br>**Important** • When Trays 1 to 4 is selected, the paper size is determined by the size of paper loaded in the tray, and thus [Paper size] cannot be set.<br>**Note** • When [Auto] is selected and paper of the same size in the same orientation in multiple trays is loaded, paper will be fed in the order of Tray 1 → Tray 2 → Tray 3 → Tray 4. If paper of the same size is loaded in multiple trays but in different orientations, feeding of the paper loaded in the landscape orientation is prioritized. |
| Coordinate rotation | 104 | Sets the paper orientation for printing.<br>[0] (Default) : 0 degree<br>[1] : 90 degree |
| Color mode | 105 | Sets the color mode.<br>[0] : Color<br>[1] (Default) : Grayscale<br>[2] : Black pen |

## Extended Settings

| Parameter | Item No. | Value |
|---|---|---|
| Auto layout | 106 | Selects whether to perform auto layout of the document or not.<br>[0] (Default) : ON<br>[1] : OFF |
| Active palette | 107 | Selects whether to use a pen specified by command or set on the panel.<br>[0] (Default) : Command<br>[1] : Panel |
| No. of prints | 108 | Sets the number of copy to be printed.<br>[1] - [250] (Default: 1) : 1 - 250 |

| Parameter | Item No. | Value |
|---|---|---|
| Output destination | 109 | Sets the output tray for the printouts.<br>[0] (Default) : Center Tray or Center Tray - Lower<br>[1] : Left Top Tray (optional)<br>[2] : Center Tray - Upper<br>[80] : Right Middle Tray (optional) |
| 2 sided printing | 110 | Sets 2 sided printing.<br>[0] (Default) : None<br>[1] : Head to head<br>[2] : Head to toe |
| Alphanumeric fonts | 112 | Sets the font for single-byte characters.<br>For more information on fonts, refer to "Internal Fonts" (P.575).<br>[0] (Default) : Stroke<br>[1] : Roman<br>[2] : Sans serif |
| Position adjustment | 113 (Vertical position adjustment)<br>114 (Horizontal position adjustment) | Adjusts the hard clip area vertically or horizontally. You can set from -250 mm to +250 mm in 1 mm increments.<br>[0] (Default) : Does not move the hard clip area.<br>[1] - [250] : -250 to -1 mm<br>[251] - [500] : +1 to +250 mm<br><br>**Important** • Data outside the printable area is not printed regardless of the adjustment of the print position. In addition, data moved outside the printable area as a result of adjusting the print position is not printed. |
| Number of sets | 115 | Sets the method for specifying the print sets.<br>[0] (Default) : Protocol<br>[1] : Panel<br>[2] : Command |

| Parameter | Item No. | Value |
|---|---|---|
| Print control | 150<br>(HP-GL mode) | Selects a graphics language. This setting affects to IW, OW, and UC of HP-GL/2 commands.<br>[0] (Default) : HP-GL<br>[1] : HP-GL/2<br>**Note** • To print HP-GL/2 command that does not include BP command, select [HP-GL/2]. |
| | 151<br>(Hard clip) | Sets the size of hard clip area.<br>In HP-GL mode, the plottable area is determined in line with the paper size, apart from the printable area. This area is called the "hard clip area", and determines the maximum range of pen movement. Accordingly, images cannot be drawn outside the boundary of the hard clip area.<br>[0] : Standard<br>[2] (Default) : Paper<br>For more information on hard clip area, refer to "Hard Clip Area" (P.614). |
| | 152 (Eject command SP)<br>153 (Eject command SPO)<br>154 (Eject command NR)<br>155 (Eject command FR)<br>156 (Eject command PG)<br>157 (Eject command AF)<br>158 (Eject command AH) | Sets the command that indicates the end of plotting. When the command specified here is received, plotting is terminated and the paper is output.<br>[0] (Default) : OFF<br>[1] : ON<br>The default value is [ON] for SPO, and [OFF] for the others.<br>**Note** • If multiple commands are specified, when one of the commands is received, plotting is terminated and the paper is output. |

| Parameter | Item No. | Value |
|---|---|---|
| | 159 (Scaling) | Sets whether the original size is enlarged or reduced so that the document size fits the paper size.<br>[0] : OFF<br>[1] (Default): ON |
| | 160 (Scaling mode) | Selects the document size for auto scaling: A series paper (A0, A1, A2, A3, A4, and A6) or the active coordinate area which is determined accordance with the setting selected in [Area Determination Mode].<br>[0] (Default) : Paper Size<br>[1] : Active Coordinate Area<br>**Note** • [Active Coordinate Area] can be selected only when [Auto layout] is set to [ON]. When [OFF] is selected, [Scaling mode] becomes [Paper Size].<br>• The setting of the scaling mode is valid when [Document size] is set to [Auto]. |
| | 161 (Active area determination command) | Sets the method to obtain the active coordinate area when auto scaling is being used.<br>[0] (Default) : Auto<br>[1] : PS<br>[2] : IW<br>[3] : IP<br>[4] : Adapted<br>**Note** • The setting of the active area determination command is valid when [Document size] is set to [Auto]. |
| | 162 (Paper margin) | Sets the paper margin when auto scaling is being used.<br>[0] - [99] (Default: 0) : 0 to 99 mm<br>**Note** • The setting of the paper margin is valid when [Document size] is set to [Auto]. |
| | 163 (Image enhancement) | Sets whether to perform image enhancement, which artificially increases the resolution of an image and smooth its edges.<br>[0] : OFF<br>[1] (Default) : ON |
| Stapling | 164 | Sets the stapling position.<br>[0] (Default) : None<br>[1] : Top Left<br>[2] : Top Double<br>[3] : Top Right<br>[4] : Left Double<br>[5] : Right Double<br>[6] : Bottom Left<br>[7] : Bottom Double<br>[8] : Bottom Right<br>[9] : Center |
| Manual feed tray check indicator | 165 | [0] : None<br>[1] (Default) : Yes |
| Punching | 166 | Select the position for punching holes.<br>[0] : None<br>[1] (Default) : Top<br>[2] : Bottom<br>[3] : Left<br>[4] : Right |
| Number of holes | 167 | Select the number of punch holes.<br>[0] (Default) : 2 holes<br>[1] : 3 holes<br>[2] : 4 holes |

| Parameter | Item No. | Value |
|---|---|---|
| 180 degree rotation | 168 | Specify whether or not to rotate landscape documents in 180 degrees.<br>[0] (Default) : Off<br>[3] : On |
| Emulation target printer | 169 | Select the machine to emulate.<br>[0] (Default) : HP750<br>[1] : FX4036 |
| Pen attributes | 800-815 (Pen width)<br>(No. 0-No.15) | Set the width (thickness of the line) of the 16 pens (No. 00 to 15). You can set the width from 0.0 to 25.2 mm in 0.1 mm increments. No. 00 denotes Item No. 800.<br>[0] - [255] (Default: 3) : 0 to 25.5 mm<br>**Note** • If the image is reduced by concern with the relationship between [Document size] and [Paper size] settings, the pen width is reduced accordingly to 0.1 mm at the smallest.<br>• The width of the line gets thick symmetrically with respect to the center of the line.<br>• If the width is set to 0.0 mm, nothing is plotted. |
| | 850-865 (Line end shape)<br>(No. 0-No.15) | Set the line end shape of the 16 pens (No. 00 to 15). No. 00 denotes Item No. 850.<br>[0] (Default) : Cut<br>[1] : Round<br>[2] : Rectangular<br> <br>[Cut]<br>• : specified coordinate<br>[Round]<br>• : specified coordinate<br>[Rectangular]<br>• : specified coordinate |

<table>
<tr><th>Parameter</th><th>Item No.</th><th>Value</th></tr>
<tr><td></td><td>900-915 (Pen intersects)<br>(No. 0-No.15)</td><td>Set the process for when pens' lines intersect for 16 pens (No. 00 to 15). No. 00 denotes Item No. 900.<br>[0] (Default) : None<br>[1] : Intersect<br>[2] : Round<br>[3] : Cut<br><br>[None]<br> <br>[Intersect]<br> <br>[Round]<br> <br>[Cut]<br> <br>Note • [None] is suitable for drafts because it takes shortest processing time.<br>• If a symbol is set by symbol command, the link process is not executed. The symbol command is an HP-GL/2 command for specifying a symbol.</td></tr>
<tr><td></td><td>950-965 (Pen density)<br>(No. 0-No.15)</td><td>Sets the color of the 16 pens (No. 00 to 15). You can set the color from 0 to 250 % in 1 % increments. The default value is [0] for No. 0, and [100] for the others. No. 00 denotes Item No. 950.<br>[0] - [255] : 0 to 250 (density)<br>Note • The relationship between the pen attributes and fonts are as follows:<br><table><tr><th>Fonts / Pen attributes</th><th>Stroke</th><th>Roman, Sans-Serif</th></tr><tr><td>Pen width</td><td>Valid</td><td>Invalid</td></tr><tr><td>Line end shape</td><td>Valid</td><td>Invalid</td></tr><tr><td>Link process</td><td>Invalid</td><td>Invalid</td></tr><tr><td>Pen density</td><td>Valid</td><td>Valid</td></tr></table></td></tr>
</table>

## Hard Clip Area

In the HP-GL mode, the plottable area is determined in line with the paper size, apart from the printable area. This area is called the "hard clip area", and determines the maximum range of pen movement. Accordingly, images cannot be drawn outside the boundary of the hard clip area. This machine allows you to select a hard clip area from the following:

### ■ Standard

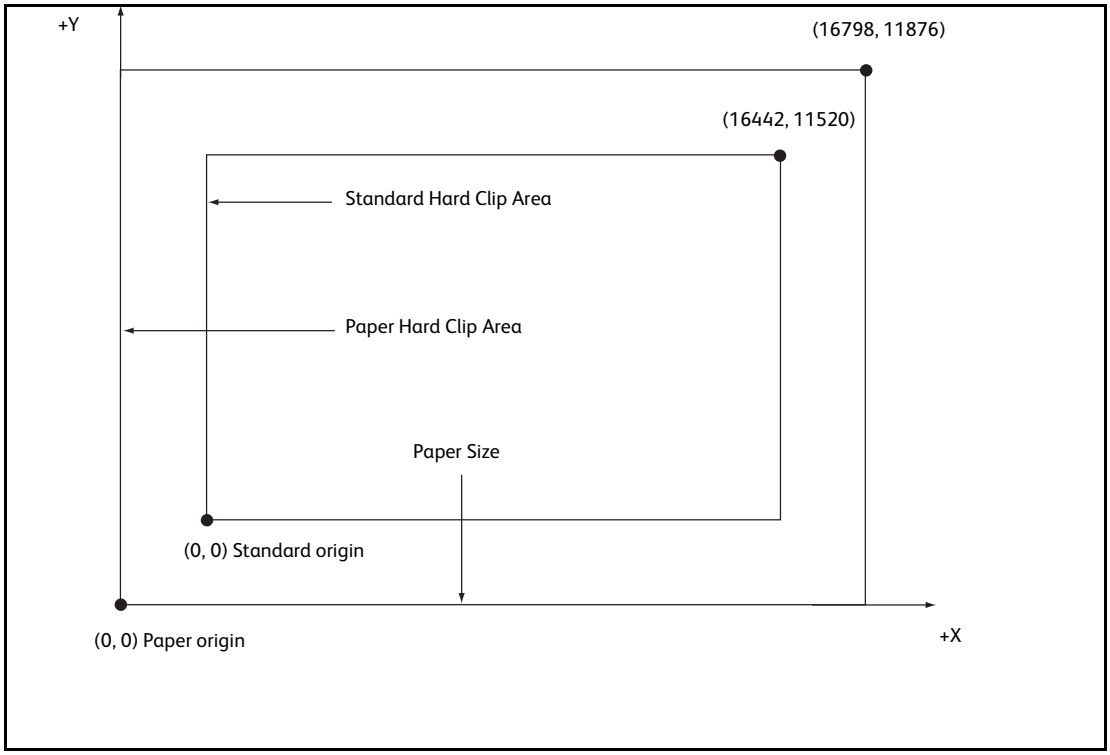
Defines the printable area of the machine as the hard clip area.

### ■ Paper

Defines a size same as the paper size as the hard clip area. However, the area that allows actual printing is within the printable area.

The hard clip area can be set either with HP-GL emulation mode settings or by the specified hard clip command "&I".

The following coordinate values present an example of when the origin is set at the lower left (Auto Layout in HP-GL/2) of A3 sheet.



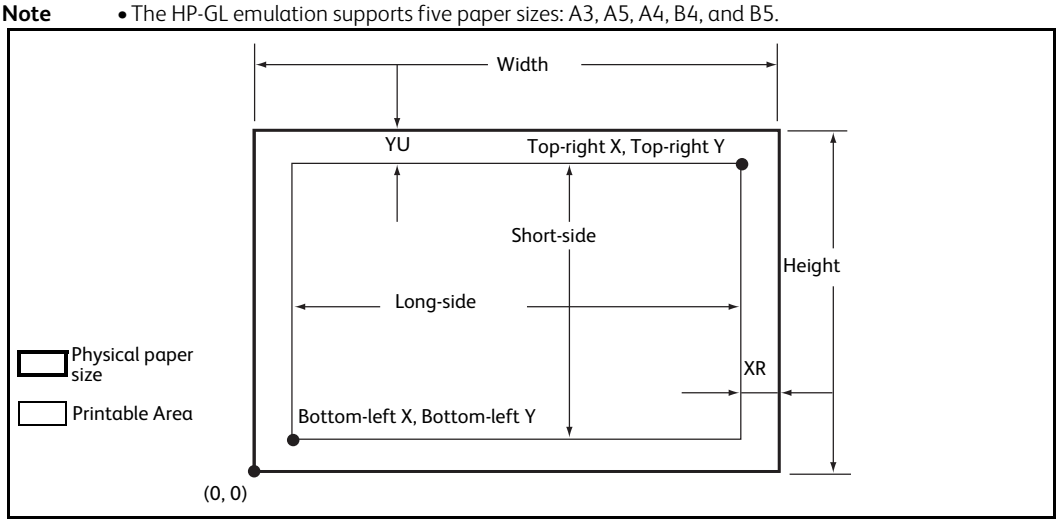

## Printable Area

The printable area in the HP-GL mode is as follows:

### ■ Paper Size and Printable Area

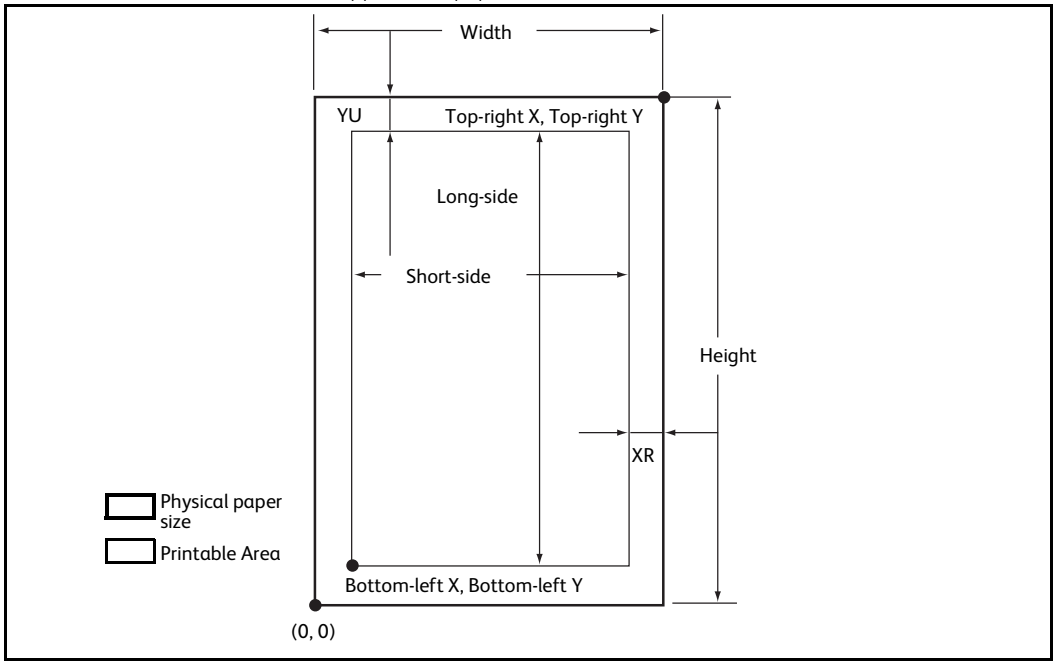
| Paper size | Paper Length (1/7200 inch) | | Coordinate Value (1/7200 inch) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | X Axis | Y Axis | Margin | | Printable Area | | Top-right Edge | | Margin | |
| | Width | Height | Bottom - left X | Bottom - left Y | Long Side | Short Side | Top-right X | Top-right Y | XR | YU |
| A3 | 119052 | 84168 | 1260 | 1260 | 116532 | 81648 | 117792 | 82908 | 1260 | 1260 |
| A4 | 84168 | 59508 | 1260 | 1260 | 81648 | 56988 | 82908 | 58248 | 1260 | 1260 |
| A5 | 59508 | 41940 | 1260 | 1260 | 56988 | 39420 | 58248 | 40680 | 1260 | 1260 |
| B4 | 103176 | 72828 | 1260 | 1260 | 100656 | 70308 | 101916 | 71568 | 1260 | 1260 |
| B5 | 72828 | 51588 | 1260 | 1260 | 70308 | 49068 | 71568 | 50328 | 1260 | 1260 |

**Note** • The HP-GL emulation supports five paper sizes: A3, A5, A4, B4, and B5.




| Paper size | Paper Length (1/7200 inch) | | Coordinate Value (1/7200 inch) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | X Axis | Y Axis | Margin | | Printable Area | | Top-right Edge | | Margin | |
| | Width | Height | Bottom - left X | Bottom - left Y | Long Side | Short Side | Top-right X | Top-right Y | XR | YU |
| A3 | 84168 | 119052 | 1260 | 1260 | 81648 | 116532 | 82908 | 117792 | 1260 | 1260 |
| A4 | 59508 | 84168 | 1260 | 1260 | 56988 | 81648 | 58248 | 82908 | 1260 | 1260 |
| A5 | 41940 | 59508 | 1260 | 1260 | 39420 | 56988 | 40680 | 58248 | 1260 | 1260 |
| B4 | 72828 | 103176 | 1260 | 1260 | 70308 | 100656 | 71568 | 101916 | 1260 | 1260 |
| B5 | 51588 | 72828 | 1260 | 1260 | 49068 | 70308 | 50328 | 71568 | 1260 | 1260 |

**Note** • The HP-GL emulation supports five paper sizes: A3, A5, A4, B4, and B5.



## Auto Layout

This section explains Auto Layout.

### What is Auto Layout?

Auto Layout is a function that evaluates document size using the HP-GL data entered from a host system and enlarges or reduces the document size corresponding to the paper size so that data plotted is placed in the center of the paper. Using the Auto Scaling/Auto Layout function enables you to print a document in the HP-GL mode without concern for document size and origin position.

All Auto Layout settings can be made in the [HP-GL/2 - Programming] screen (Select the <Machine Status> button > [Print Mode] > [HP-GL/2 Emulation] > [Programming]). The settings cannot be made with advanced commands.

### Enabling Auto Layout

To enable Auto Layout, enter Item Numbers and Values on the [HP-GL/2 - Programming] screen as follows:

- Set [Document size ([101])] to [Auto ([99])]. The default value is [Auto ([99])].
- Set [Auto layout ([106])] to [ON ([0])] to set the origin position. The default value is [ON ([0])].
- Set [Scaling ([159])] to [ON ([1])]. The default value is [ON ([1])].
- Select a method for obtaining the active coordinate area using the area determination mode. The default value is [Auto ([0])].
- Set the paper margin using [Paper margin ([162])]. The default value is 0 mm ([0]).
- Set the scaling mode. The default value is [Paper Size ([0])].

### Setting Item Details

The following describes the details for each setting. You can change the settings on the [HP-GL/2 - Programming] screen:

#### ■ Document Size

To set Document size to Auto, enter [101] to the [Item Number] box and select [Change Value], and then enter [99] to the [New Value] box and select [Save]. Once you set Document size to Auto, you can set Auto layout to ON.

#### ■ Auto Layout

To set Auto layout to ON, enter [106] to the [Item Number] box and select [Change Value], and then enter [0] to the [New Value] box and select [Save]. Enabling Auto layout activates the settings for scaling, area determination mode, paper margins, and scaling mode.

#### ■ Scaling

Set whether the original size is enlarged or reduced so that the document size fits the paper size.

#### ■ Area Determination Mode

The following methods are available to obtain an active coordinates area using HP-GL data:

- Auto

  Automatically selects the method of determining the active coordinates area from PS, IW, IP, and Adapted in that order of priority.

- IW

  The area specified by the last IW command in the data becomes the active coordinates area.

  If there are no IW commands in the data, the active coordinates area is determined by Adapted.

- IP

  The coordinates encompassing all areas specified by IP commands in the data becomes the active coordinates area.

  If there are no IP commands in the data, the active coordinates area is determined by Adapted.

- Adapted

  The active coordinates area is determined by the following conditions:

  - Minimum/Maximum position coordinates plotted by drawing commands
  - Maximum font size specified within the page
  - Maximum line width

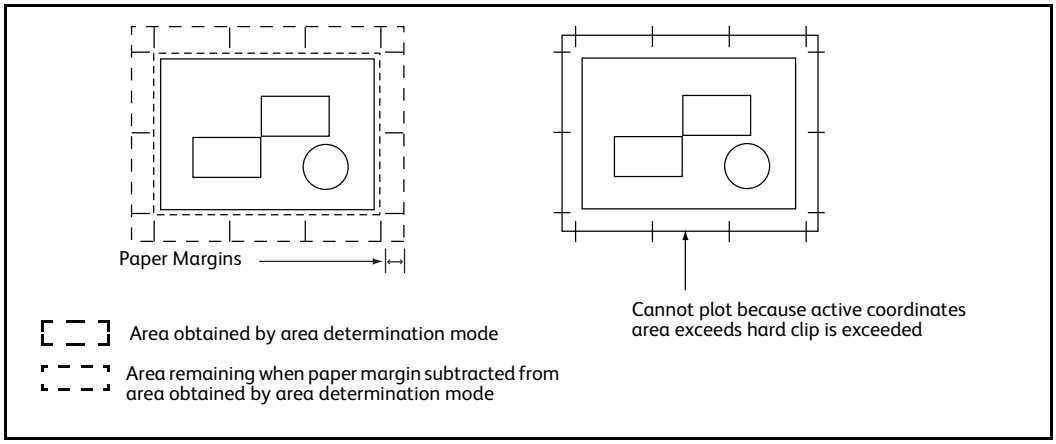
- PS

  The coordinates encompassing all areas specified by PS commands in the data becomes the active coordinates area.

  If there are no PS commands in the data, the active coordinate area is determined by Adapted.

### ■ Paper Margin

Set the range from 0 to 99 mm. The default value is 0 mm. To get the active coordinates area, subtract the area set in paper margins from the active coordinates area obtained in the area determination mode.




### ■ Scaling Mode

Select the mode for determining the document size from the obtained active coordinates area. Use active coordinates area to determine whether the paper orientation will be portrait or landscape.

- If it is an Active Coordinates Area

  To obtain the document size, subtract the area specified in paper margins from the active coordinates area obtained in the area determination mode.

- If it is a Paper Size

  Set the document size from the obtained active coordinates area and the origin point setting. The document size can be selected from six sizes of A series paper (A0, A1, A2, A3, A4, or A5).

## How to Determine Document Size

The document size is determined by comparing with the hard clip area of each paper size based on the active coordinates area obtained in the scaling mode, paper margin, and area determination mode.

### ■ If the Scaling Mode is a Paper Size

1) Obtain the coordinate area to be active from the HP-GL data entered, in accordance with the area determination mode.
2) As a margin, add the larger value of either the font size specified in the page, the default size or one half the specified pen width, to the active coordinates area obtained in step 1.
3) Subtract the value set in paper margins from the active coordinates area obtained in step 2.
4) The minimum size that includes the active coordinates area obtained in step 3 will be the document size.

### ■ If the Scaling Mode is the ACA

1) Obtain the coordinate area to be active from the HP-GL data entered, in accord with the area determination mode.
2) As a margin, add the larger value of either the font size specified in the page, the default size or one half the specified pen width, to the active coordinates area obtained in step 1.
3) Subtract the value set in paper margins from the active coordinates area obtained in step 2.
4) The ACA obtained in the process up to step 3 will be the document size.

- For Example:

  If the following data is entered when the scaling mode is paper size, origin position is Auto, paper margin is 10mm, and area determination mode is IP:

  All pen width settings are 0.1 mm.

  The following data does not contain a character size specification command and the A3 physical size of the area specified by IP/IW.

```
IN;
IP-8399,-5938, 8399, 5938;
IW-8399,-5938, 8399, 5938;
PU;
SP1;
:
:
SP0;
```

1) As the area determination mode is IP, the active coordinates area is specified as the area -8399,-5938,8399,5938 by an IP command.

2) Because there are no font size specification commands and all pen widths are 0.1 mm in the above example, add the height/2 of the default font size for A3 size paper (75 plotter units) to the active coordinates area obtained in step 1.
The active coordinates area obtained in step 2 is -8474,-6013,8474,6013.

3) The value set in paper margins (10 mm = 400 plotter units) is subtracted from the active coordinates area obtained in step 2.
The active coordinates area obtained in step 3 is -8074,-5613,80740,5613.

4) As the active coordinates area obtained in step 3 exceeds the A4 size and is A3 size, the document size is determined to be A3.

In addition, when the paper margin setting is 0 mm and the active coordinates area is 8474,-6013,8474,6013, and this exceeds A3, but is A2 or smaller, the document size is determined to be A2.

## How to Determine Paper Size

If the operation panel settings are as follows, the paper size is determined as below.

Document size: Auto

Paper Tray: Auto

The method for determining the paper size differs according to the paper size and scaling mode settings on the operation panel.

### ■ If the Paper Size Setting is A Sizes

The paper sizes among the three sizes (A3, A4, and A5) that are actually loaded in the trays become the possible paper size.

If A series paper (A3, A4, A5) is not loaded in the trays, all three sizes, A3, A4, and A5 become possible sizes; a message is displayed on the touch screen prompting the user to load A series paper.

### ■ If the Paper Size Setting is Auto

The paper sizes among the five sizes (A3, B4, A4, B5, and A5) that are actually loaded in the trays become the possible paper size.

If A3, B4, A4, B5, or A5 paper is not loaded in the trays, all five sizes become possible sizes; a message is displayed on the touch screen prompting the user to load paper.

### ■ If the Scaling Mode Setting is Paper Size

If the paper size and the document size are the same, select paper that is the same size as the document.

If the document size is larger than any possible paper sizes, select the largest paper.

If the document size is smaller than any possible paper sizes, select the smallest paper.

### ■ If the Scaling Mode Setting is ACA

Select the smallest paper size that can contain the ACA.

If the active coordinates area is larger than any possible paper sizes, select the largest paper.

If the active coordinates area is smaller than any possible paper sizes, select the smallest paper.

**Note**
- If the document size is set to anything other than Auto, the paper size is the one set on the control panel.
- If the paper tray is set to Auto, the paper size is the one loaded in each tray. However, If paper whose size is not supported is loaded, an error message will be displayed prompting the user to load a supported paper.

## How to Determine the Scaling Ratio

When auto scaling is being used, although the scaling ratio is determined by document size and paper size, it differs according to the scale mode setting.

**Note** • To activate scaling, set the scaling to ON on the [HP-GL/2 - Programming] screen. If it is set to OFF, it is plotted at the same scale (100 %).

### ■ If the Document Size is Auto and the Scaling Mode is Paper Size

The hard clip setting is inactive. The hard clip area is always the paper's hard clip area.

- If the document size = paper size, it plots at the same scale (100 %).
- If the document size > paper size, it plots at a reduced scale.
- If the document size < paper size, it plots at the same scale (100 %).

| | A3 | A4 | A5 | B4 | B5 |
|---|---|---|---|---|---|
| A0 | 35 | 25 | 100 | 31 | 100 |
| A1 | 50 | 35 | 25 | 43 | 31 |
| A2 | 71 | 50 | 35 | 61 | 43 |
| A3 | 100 | 71 | 50 | 87 | 61 |
| A4 | 100 | 100 | 71 | 100 | 87 |
| A5 | 100 | 100 | 100 | 100 | 100 |

If the origin position of the plotting position is Layout, the document is placed and drawn in the center. If the origin position is bottom left or center, the origin of the document and the paper are aligned and drawn.

### ■ If the Document Size is Auto and the Scaling Mode is ACA

The hard clip setting is inactive. The hard clip area is always the advanced hard clip area.

The scaling factor is determined according to the ACA and the paper size. The range for the ACA for each paper size is as follows:

| Paper Size | 0 Degrees | | | | 90 Degrees | | | |
|---|---|---|---|---|---|---|---|---|
| | Min Value | | Max Value | | Min Value | | Max Value | |
| | P2x - P1x | P2y - P1y | P2x - P1x | P2y - P1y | P2x - P1x | P2y - P1y | P2x - P1x | P2y - P1y |
| A3 | 7829 | 5485 | 73075 | 51200 | 5485 | 7829 | 51200 | 73075 |
| A4 | 5485 | 3828 | 51200 | 35733 | 3828 | 5485 | 35733 | 51200 |
| A5 | 3828 | 2648 | 35733 | 24720 | 2648 | 3828 | 44088 | 35733 |
| B4 | 6762 | 4723 | 63120 | 44088 | 4723 | 6762 | 44088 | 63120 |
| B5 | 4723 | 3297 | 44088 | 30773 | 3297 | 4723 | 30773 | 44088 |

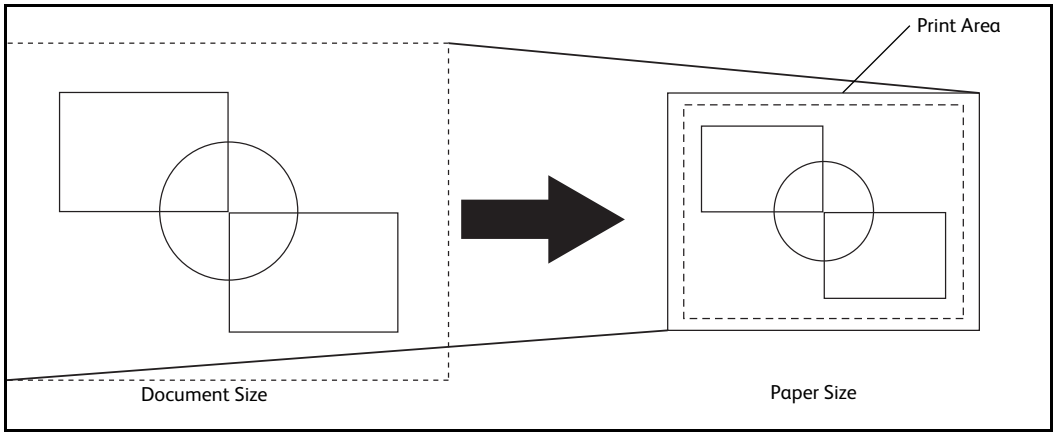
Unit: Plotter Unit

The maximum scaling factor is 210 % of the advanced hard clip area for each paper size and the minimum scaling factor is 22.5 %.

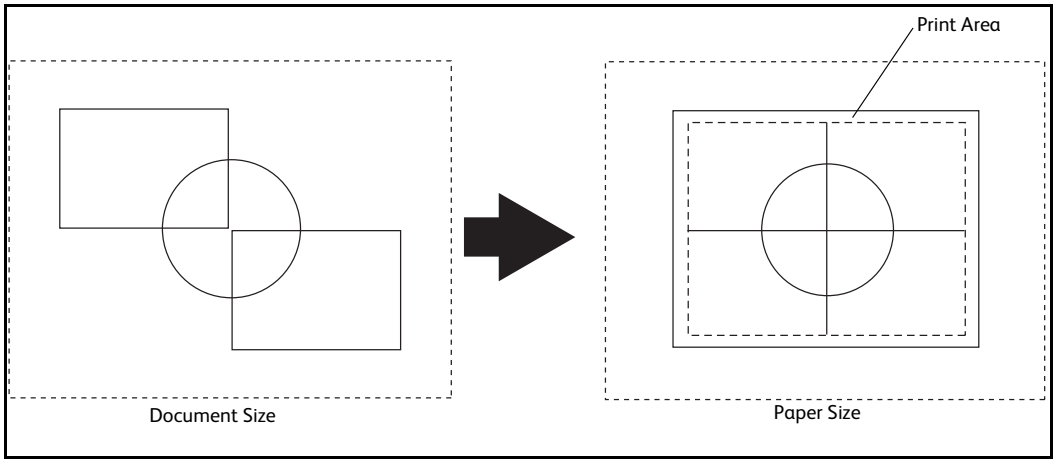
## Examples of Combinations of Each Function

The following are examples showing the print results that can be achieved by combining various functions.

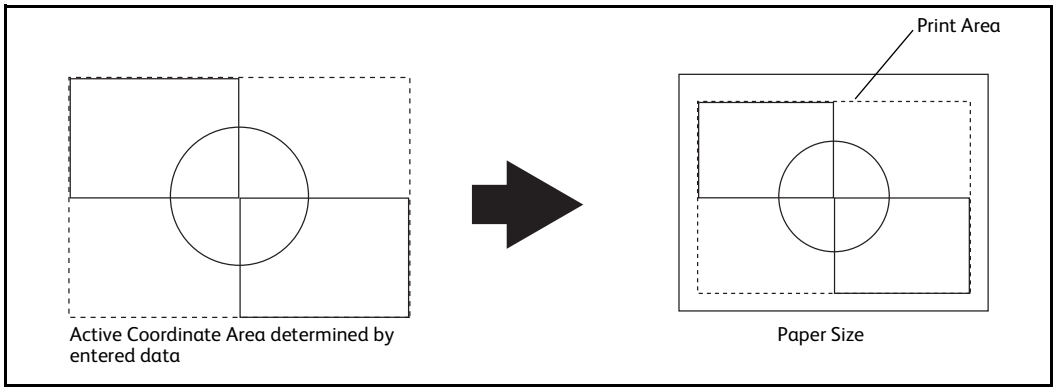
■ **Document: Auto, Coordinate Origin: 0 Degrees, Scaling Mode: Paper Size, Scaling: ON**



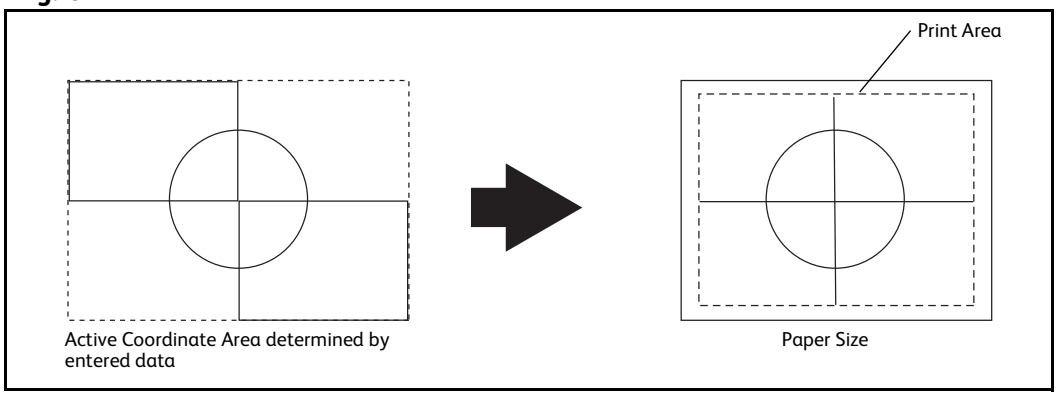

■ **Document: Auto, Coordinate Origin: 0 Degrees, Scaling Mode: Paper Size, Scaling: OFF**




■ **Document: Auto, Coordinate Origin: 0 Degrees, Scaling Mode: Active Coordinate Area, Scaling: ON**



■ **Document: Auto, Coordinate Origin: 0 Degrees, Scaling Mode: Active Coordinate Area, Scaling: OFF**



# Notes and Restrictions

This section describes the notes and restrictions to observe when using the machine.

## Notes and Restrictions on the Use of the Machine

### ■ Notes on Switching Off the Main Power and Power

Power off processing is performed internally on the machine for a while after the power is switched off. Therefore, do not switch the main power off immediately after switching the power off. Do not switch the main power off while the touch screen displays a screen or the <Energy Saver> button blinks. Switching off the main power may damage the hard disk and the memory or cause a machine malfunction. In addition, the machine will not be not activated soon if you switch on the power before the touch screen gets blank. Confirm that the touch screen is blank before switching on the power.

### ■ HDD Extension Kit (Optional Hard Disk)

- When the optional hard disk is installed on the machine, you can specify the hard disk as a storage location of print data sent by lpd, SMB, and IPP. The storage location of an HP-GL/2 auto-layout memory is fixed to the hard disk, and you cannot change the location.
- Initializing a hard disk erases additional fonts and the forms of ESC/P-K. Secure Print files and logs are not deleted.

### ■ Options

- To use the Secure Print, Sample Print, and Delay Print features, the optional hard disk is required for some models.
- To use the Print Stored File feature, the Scanner Kit (optional) is required.
- To use the machine as a PostScript printer, the Adobe PostScript 3 Kit (optional) is required.

### ■ Installing and Moving the Machine

- When moving the machine to another location, contact our Customer Support Center.
- When the machine is operating, do not subject it to shock.
- When closing the document cover, be careful not to pinch your fingers.
- Do not place any objects near the ventilation openings of the machine's exhaust fan.

### ■ Memory Expansion

Commercially available memory cannot be used for the machine. Be sure to use the optional extension memory we provide, or we cannot guarantee proper operation of the machine if a problem occurs. For information on how to install the optional component, Extension System Memory (2 GB), refer to "Installing the Extension System Memory (2 GB) (Optional)" (P.665).

### ■ Character Code

In data transmission from a computer or read processing of data in a medium such as a USB memory device, if characters that the machine does not support are included in folder and file names, these characters may not be displayed correctly.
When the Media Print - Photos service is used, only ASCII characters can be used.

### ■ Output Destination

When you change the finisher to install, reconfigure the output destination under [Tools] > [Copy Service Settings] > [Copy Defaults] > [Output Destination].

You can also change the output destination for Print E-mail, Private Folder Printed Files, and Fax Received as required.

### ■ Restrictions on Method of Recipient Specification

- The [New Recipients] and [Redial List] buttons may not be displayed when you specify a recipient for fax/Internet fax/e-mail transmission if the method of recipient specification is restricted in the System Administration mode. In this case, you cannot use the numeric keypad either. Consequently, the recipients you can specify are limited to those who are registered on the Address Book.

  You must add an address book entry using CentreWare Internet Services or Device Setup Tool (free software). The system administrator, however, can register new recipients from the control panel of the machine even when the method of recipient specification is limited.

- The users who belong to an authorization group for which [Restrict Recipient Selection Method] is set to [No Restriction] can directly specify a recipient for fax/Internet fax or an e-mail transmission.

### ■ One Touch Buttons

The one touch buttons (only for fax models) are used to specify an address when sending faxes, IP faxes, internet faxes, Scan to PC, or E-mail. The buttons cannot be used when you specify an e-mail address, a shared folder of SMB/FTP, or a server address.

The following two methods are available to assign the address numbers to the one touch buttons.

- [Type 1]: Assigns the one touch buttons 1 to 52 to the address numbers 0001 to 0052, and buttons 53 and 54 to the stored programming jobs 1 and 2.
- [Type 2]: Assigns the one touch buttons 1 to 45 to the address numbers 0001 to 0045, and buttons 46 to 54 to the stored programming jobs 1 to 9.

**Note** • [Type 1] is selected by factory default.

For more information on how to change the number of address numbers assigned, refer to "One-touch Buttons" (P.136).

### ■ Assigning to the One Touch Buttons

You can change the way how address numbers and stored programs are assigned to the one touch buttons. When you have changed the assignment, some one touch buttons that were used for address numbers before may be used for stored programs while other one touch buttons that were used for stored programs before may be used for address numbers. Be sure that you perform the correct operation.

### ■ USB Memory Slot on the Control Panel

- To use the USB memory slot on the control panel, the USB Memory Kit (optional) is required.
- Insert a USB memory device directly into the USB memory slot on the control panel. If you connect a USB memory device via a USB cable, the operation is not guaranteed.
- To connect a USB memory device via a USB cable, use the USB 2.0 interface connector on the rear of the left side of the machine.

### ■ IC Card Reader

There are two types of IC Card Reader you can choose: the embedded IC Card Reader and the IC Card Reader installed on the Wing Table (optional).

Installing the IC Card Reader to the machine enhances the authentication function of the machine. Also, you can restrict the usage of the machine and improve the security management feature and availability of documents.

### ■ Printed Time in Force Annotation

The time you specified to print a job, the time at which the print job is started inside the machine, and the time at which the job is actually printed may not be coincident with one another depending on the machine status and settings or the content of the print job. The time printed in Force Annotation is the time at which the print job is started inside the machine.

### ■ Stored Programming

- The following features and operations cannot be registered on a stored program.
  - Registration and call of a stored program
  - EP Diagnostic Request
  - System Settings
  - The [Media Print - Text] and [Media Print - Photos] buttons on the [Services Home] screen
  - The [Store to USB] button on the [Services Home] screen
  - [Network Scanning] and [Job Flow Sheets] buttons on the [Services Home] screen
  - A custom button to which the Network Scanning or Job Flow service is assigned
  - Address Book for the Fax/Internet Fax, E-mail, and Scan to PC services
  - Buttons that cannot be selected
  - The [Language] button on the [Services Home] screen
  - The [Screen Brightness] button on the [Services Home] screen
  - The use of a scrolling bar when you select an item
  - The [Browse] button of the Scan to PC service
  - Address editing operation of the E-mail service ([Remove], [Edit], and [Close Menu] on the pop-up menu)
  - The <Energy Saver> button
- After registering a program, you may not be able to retrieve the stored program correctly if you execute the following operations:
  - If a Watermark is registered on the program, and you change the default value of the Watermark after registering the program
  - If a passcode of a folder that is subject to operation by a stored program is changed after the program is registered
  - If the settings of the control panel are changed
  - If the features registered on the custom buttons are changed
  - If the setting is changed with [Tools] > [System Settings] > [Copy Service Settings] > [Preset Buttons]
  - If the program is selected from a list of a job flow or the Address Book
  - If a button no longer functions as a result of a change of optional components such as Finisher
  - If the measurement unit such as mm or inch is changed
  - If a file is selected from a file list with Job Status

### ■ Output Color

When you select [Auto Detect] in [Output Color] for a copy job or select [Color] in [Output Color] for a print job, the machine may consume yellow, magenta, and cyan toner cartridges and drum cartridges even when your document is black and white.

In addition, when [Background Suppression (Color Copy)] is set to [High Speed] under [System Settings] > [Common Service Settings] > [Image Quality Adjustment], yellow, magenta, and cyan toner cartridges and drum cartridges are always used. Thus these color toner cartridges and drum cartridges are consumed even when your document is black and white.

### ■ Side Tray (optional)

If the Side Tray and the Wing Table are installed at the same time, the Side Tray cannot be closed.

### ■ Operations during the Energy Saver mode

- It takes a few seconds before you can operate the system settings under [Tools] after the machine exits the Sleep mode.
- The <Energy Saver> button still lights up when you perform the operations which do not light up the touch screen such as printing command from a computer.
- By factory default, [Energy Saver Deactivation] is set to [Deactivate Partially As Required].

  For information on the setting, refer to "Energy Saver Deactivation" (P.147).
- A message does not appear on the touch screen if you open and close the top cover of the document feeder when the document feeder is deactivated (such as when the service to use a scanner is not selected). However, the confirmation message appears on the touch screen and the <Error> indicator lights up when the document feeder is activated (exits the Energy Saver mode) while the top cover is open.
- The confirmation indicator does not light up if the document is loaded while the document feeder is in the Energy Saver mode (such as when the service to use a scanner is not selected). However, the confirmation indicator lights up and the document is detected when you load the document and then make the machine exit the Energy Saver mode.
- The machine exits the Energy Saver mode when you open the document cover to copy or scan.
- After the machine exits the Energy Saver mode, the document feeder and scanner device are activated after the document cover is opened while the scanner device is deactivated. However, to make the document detected on the document glass, make sure that the scanner device in the document glass moves to the detect position for the document size, and then close the document cover.
- After the machine is activated from the Energy Saver mode, a message does not appear on the touch screen if you perform the following operations while the service to be used for the output device, such as copying and secure printing, is not selected.
  - Opening and closing the top cover of the document feeder
  - Opening and closing the front cover
  - Opening and closing the bottom left cover
  - Opening the paper tray
  - All the operations including opening and closing the front cover of the finisher, and pressing the buttons

  However, the confirmation message appears and the <Error> indicator lights up when the machine is activated (exits the Energy Saver mode) while each cover or a paper tray is open.
- After the machine exits the Energy Saver mode, the value detected before the machine enters the Energy Saver mode is displayed or informed as paper tray status and the information on the consumables such as the toner remaining amount, status of the drum cartridge, and paper, if the service used for the output device is not activated.

- After the machine exits the Energy Saver mode, be careful for the following if you use the copy feature before you activate the service used for the output device.

  The information displayed such as a paper size specified for the paper tray or the remaining amount is detected before the Energy Saver mode. If you change the paper size or remaining amount during the Energy Saver mode, it takes a few seconds for the change to be updated on the screen.
- Exiting the Energy Saver mode activates the entire machine when Copy, Simple Copy, or Stored Programming are set as the default screen on the touch screen.
- Exiting the Energy Saver mode activates the entire machine when [Paper Tray Attributes During Loading] is set to [On].
- The entire machine exits the Energy Saver mode when you press the <Machine Status> button, enter the System Administration mode, or select the Stored Programming service.
- The machine does not exit the Sleep mode when you use the EP service by EP-BB.
- When [Tools] > [Connectivity & Network Setup] > [Port Settings] > [EtherTalk] > [Port Status] is set to [Enabled], or [USB] > [USB - Print Mode] is set to any option other than [Auto], exiting the Energy Saver mode activates the entire machine.
- The output device is activated when Secure Print is executed using job tickets of ContentsBridge Utility.

**■ Opening and Closing of the Document Cover during the Energy Saver Mode**

If you open the document cover during the Energy Saver mode, and then start scanning a document immediately after the machine exits the mode, the detection error of a document size may occur. In this case, enter the document size manually. It takes a few seconds before the machine can detect a document size automatically. This detection error will not occur if you load a document, close the document cover, and wait for a few seconds before start scanning a document.

## Notes and Restrictions on the Use of the Copy Feature

**■ Copy Feature**

The machine does not offer the Improves Fit feature.

**■ Meter Count for Dual Color and Single Color Copies**

Dual color and single color copies are counted as color copies.

**■ Color Effect for Dual Color Copy**

To extract colors for dual color copy, adjusting the colors of the document is required in advance.

Our service representative performs the adjustment. Contact our Customer Support Center.

**■ Pages per Side for Black & White and Color Mixed Documents and Meter Count**

If you copy a document that contains black & white and color pages by specifying [Pages per Side], an output sheet that has both black & white and color pages will be counted as a color page.

**■ Copy and Simple Copy**

You cannot switch the screen between the Copy and Simple Copy services. Return to the [Services Home] screen, and then select a service. In that case, the settings specified in either service are cleared.

### ■ ID Card Copy

- The machine does not shift the ID card image to the center of the output in any magnification ratio and image size you specified.
- When the reduced size is specified to copy an ID card, the machine may copy the ID card in a different orientation from the original orientation depending on the magnification ratio specified.

## Notes and Restrictions on the Use of the Print Feature

### ■ Output of Long Feed Documents

The output of long feed documents is not supported.

### ■ PostScript Driver

Some options such as Poster (Photo Enlargement) are not supported by the PostScript driver. With the Pages Per Sheet (N-Up) feature, you can specify 2, 4, 6, 9, or 16 pages up, and with or without frame borders.

### ■ Printing from Macintosh via USB Connection

When you send a print job from the PostScript driver of Macintosh connected via USB and the job includes application data with graphic data (EPS file including binary data) pasted, the machine may misidentify the binary data as protocol data; therefore, the output of text data may extend for multiple pages.

In this case, select [RAW] for [Adobe Communication Protocol] under [Tools] > [Connectivity & Network Setup] > [Port Settings] > [USB] to properly print data which includes EPS files with binary data.

### ■ Text and Photos for Media Print

You can use a commercially available single-slot memory card reader, but the operation is not guaranteed.

When you use a multi-slot memory card reader, only one of those slots can be recognized. The slot to be used differs depending on the card readers. Some of the media and slots of memory card readers may not be used on the machine, and the operation is not guaranteed.

### ■ Thumbnail for Media Print

The Media Print - Photos feature supports Thumbnail view but not Preview. The Media Print - Text feature supports neither Thumbnail view nor Preview.

### ■ Print Jobs while the Control Panel is being Operated

The processing and output speeds of print jobs may slow in the following conditions:

- The control panel is being operated while the machine processes a print job.
- The status of a print job is being viewed in the [Job Status] screen.

### ■ When Printing from the Bypass Tray

When you load A5 in Tray 5 and specify 2 sided printing, all data is printed on one side.

### ■ When the Print Results Differ from the Settings

As in the following cases, insufficient memory for the print page buffer may cause print result in not printing as specified. In this case, we recommend that you increase the memory.

- Printed only on 1 side when 2 sided printing is specified.

- A job was terminated (If data cannot be written to the print page buffer, the job including that page is terminated).

### ■ Direct Print from CentreWare Internet Services

To print files directly from CentreWare Internet Services, the optional hard disk is required. Printing files using ContentsBridge, however, does not require the optional hard disk.

### ■ Printing from a USB Memory Device

- To print from a USB memory device, the USB Memory Kit (optional) is required.
- You can use a USB host adapter to print from your USB memory device or via your USB cable (as necessary), but the operation is not guaranteed.
- Use USB 2.0 compliant memory devices only.
  The following USB memory devices are not supported:
  - A USB memory device with multiple media partitions that require other utilities to access to the contents therein.
  - A USB memory device connected via an external hub.
- Multiple USB memory devices cannot be used simultaneously.
- The machine does not display a menu to prevent you from removing a USB memory device while it is being accessed.

### ■ Meter Counts for 2 Sided Printing

When printing 2 sided, depending on the application being used, blank sheets can be inserted automatically to adjust pages. These blank sheets inserted by the application also are counted by the meter.

### ■ Meter Count for Watermark

When the Copy Management Expansion Kit (optional) is installed and a document is printed using the Watermark feature (such as Annotation and Force Annotation), the meters count with the following method:

- Color documents are counted as color copies regardless of whether the Watermark feature is used or not.
- Black & white documents are counted as color copies if [Font Color] is set to other than [Black], or counted as black & white if [Font Color] is set to [Black].

### ■ PDF Direct Print

PDF Direct Print supports Adobe PDF 1.6. However, note the followings:

- It may take long to output a PDF file, for the rendering processing is complicated.
- This feature does not support the "Embed OpenType Fonts" setting of Adobe Acrobat 7 (PDF 1.6).
- This feature supports the features of PDF 1.6 created by Adobe Acrobat 7 or later. However, it does not support the features of PDF 1.7 (Adobe Acrobat 8 and 9).
- PDF Bridge, which is provided by Fuji Xerox, of the machine supports the features of PDF 1.6 such as transparent object.
- Set the PostScript Memory to its maximum value (128MB) to print PDF files properly.

### ■ ThinPrint

- To install "ThinPrint.print" to Windows Server 2003 or Windows Server 2008, a ".print Application Server Engine" licence is required.
- ThinPrint can operate in an IPv4 environment, but not in an IPv6 environment.

- ".print AutoConnect" is not supported.
- Up to three can be connected simultaneously. The fourth or above connection requests are stored in the queue. Up to 10 connection requests can be stored in the queue. If exceeding 10, another connection request is no longer received. After preceding connections are terminated, the connection requests in the queue will be processed subsequently when the total number of the connections becomes less than four.
- Functions to control jobs, such as canceling or suspending jobs, are not provided. Instead, you can cancel a job on the [Job Status] screen from the control panel, or from CentreWare Internet Services.
- The machine prints jobs in the order in which they are spooled. The jobs may not be printed in the order in which the job requests are received by the machine.
- If the power is switched off, this feature can store the order of jobs spooled and their data. If the power switched off while a job is being received, the job is deleted.

### ■ Paper Orientation when Printing Mixed Size Originals

- The combinations available for printing mixed size originals from the print driver are the followings: A4 and A3, B5 and B4, 8.5 x 11" (Letter) and 11 x 17" (Tabloid), 16K and 8K.
- The document orientation (portrait or landscape) may not be determined correctly depending on the application being used. In this case, the output may have a different orientation from the document orientation, depending on the combination of the mixed size originals.
- The output may have a different orientation from the original orientation when a document stored in a folder is printed.

### ■ Direct Fax Driver

The direct fax driver does not support Envelope (90 x 205 mm), Envelope (162 x 229 mm), Envelope (229 x 324 mm), and Envelope (235 x 120 mm).

## Notes and Restrictions on the Use of the Scan Features

This section describes notes and restrictions to observe when using the Scan features.

For the notes and restrictions on Network Scan Driver and Stored File Manager 3, refer to the Readme contained in the Driver CD Kit.

### ■ Retrieving Files from Folder

- When [Delete Files After Retrieval] is set to [No], the same file can be accessed by multiple clients.
  When [Delete Files After Retrieval] is set to [Yes], only one client can access any given file. The file that is being imported by a client cannot be seen by other clients.
- When files are retrieved from CentreWare Internet Services, the files are not deleted regardless of the setting of [Delete Files After Retrieval].

### ■ Using Network Scan Driver and Stored File Manager 3 Simultaneously

You cannot use both the Network Scan Driver and Stored File Manager 3 on a single computer to connect to the machine.

A maximum of three computers using either the Network Scan Driver or Stored File Manager 3 may retrieve files simultaneously from one machine.

### ■ Using TIFF Files

The TIFF files created by Stored File Manager 3 are compressed into the MMR, MH, JBIG, or JPEG format. To open a TIFF file, use application software that supports the format.

### ■ Restriction on Scanning Capacity

The maximum scanning capacity for one page is 297 x 432 mm. For standard sizes, A3 or 11 x 17 inches.

### ■ Number of Sheets for Scanning (for Folder)

A maximum of 999 pages can be scanned for folders at one time. The number of pages may differ depending on the file size and resolution.

### ■ Store to USB

- The Scanner Kit and the USB Memory Kit are required to use this service.
- You cannot use this service on job flows (whose Target is Scan Jobs or Folder).
- The USB 2.0 compliant memory device is supported.
- Neither file nor directory names in a USB memory device are displayed on the touch screen.
- You cannot delete the files or folders in a USB memory device using the machine.
- To prevent you from removing a USB memory device while it is being accessed, an icon showing that the removal of a USB memory device is prohibited appears on the touch screen. Be sure to remove a USB memory device from the machine after the message "Data has been transferred." is displayed on the touch screen.
- When the data size exceeds the capacity of the USB memory device while the machine is performing the Store to USB service, the job in progress is cancelled.
- Neither the Media Print - Text nor Media Print - Photos feature can be used while the Store to USB service is in progress. The Store to USB service cannot be used as well while the Media Print - Text or Media Print - Photos feature is in progress.
- You can enable or disable the Store to USB service from CentreWare Internet Services in the System Administration mode. You cannot set it from the touch screen. (The default setting is [Enabled].)
- You can set not to display the [Store to USB] service on the [Services Home] screen from the touch screen.
- The machine may not be able to recognize a USB memory device that was formatted by a digital camera or a tool other than the Windows standard format tool.

### ■ Screen Switching After Inserting a USB Memory Device

- If a USB memory device is inserted when the machine is switched off, and then you switch on, the [Services Home] screen is displayed.
- When a USB memory device is inserted into the USB memory slot during the Energy Saver mode, the touch screen does not light up. After exiting the Energy Saver mode by pressing the <Energy Saver> button, insert the USB memory device again or select the feature to be used on the [Services Home] screen.
- The screen does not switch if you remove a USB memory device.
- The screen switches even when a USB memory device whose format is not supported is inserted. However, an error occurs when selecting the menu.
- If no medium is in the Memory Card Reader (commercially available), the screen switches when you insert the Reader.

- If the Memory Card Reader (commercially available) is used and it is left inserted all the time, the screen does not switch even when a medium is inserted into the slot of the Reader.

### ■ Network Reference on SMB Environment

- If you configure more than 256 shared resources other than shared folders (such as shared printers) when using Windows 2000, Windows XP, Windows Server 2003, Windows Vista, or Windows 7, shared resources other than shared folders may be displayed in the shared folder list.
- Names such as workgroup names, server names, and shared names on the network may not be displayed alphabetically on the list.

### ■ Scan High Compression Feature

- To use the Image Compression feature, the Scan features are required.
- You can select 200 dpi or 300 dpi for the resolution.
- To view or print High-compression DocuWorks documents that are output by using the Image Compression feature (on your computer), one of the following software is required:
  - DocuWorks 6.0 or later
  - DocuWorks Viewer Light 5.1 or later
  - DocuWorks Viewer Light for Web 5.1 or later

**Note** • You cannot use DocuWorks Trial edition. Use DocuWorks Viewer Light 7.0 (free distribution) contained in the Driver CD Kit.

- You can open High-compression PDF files with Adobe Acrobat 4.0 (PDF 1.3) or later.
- The Image Compression feature may not be able to scan the colors of the documents precisely due to the image processing to improve the compression ratio.
- It takes longer to compress the document using this feature comparing with the compression with the High Compression Image Kit (optional) for other models.
- This feature may not achieve the same result as the data compressed by other models with the High Compression Image Kit (optional).

### ■ PKI Encryption and PKI Signature of Scan Files

- Signature using the electronic stamp of DocuWorks is not supported.
- Acrobat Approval is not supported.

### ■ PKI Encryption and PKI Signature of PDF and DocuWorks Documents

- PKI (Public Key Infrastructure) encryption of PDF is not available. A certificate is not used for password encryption.
- If a message stating that a certificate revocation could not be checked is displayed and a signature verification error occurs in the viewer of DocuWorks and PDF, confirm the certificate revocation setting in the viewer.

### ■ Digital Signature of PDF

- The security handler (XERX.FX.PPKMS) of Xerox is not provided.
- When a PDF document signed by the machine is displayed with Adobe Acrobat (Reader), a message stating that no handler is found for signature confirmation may be displayed. In this case, select [Windows Digital Certificate] or [Adobe Default Security].
- A certificate to be used for PDF digital signature must meet the conditions described in the "S/MIME" section.

### ■ S/MIME Communication

The E-mail and Internet Fax services support S/MIME.

### ■ Searchable PDF (when the Searchable PDF Kit (Optional) is Installed)

- We recommend that you set [300 dpi] for [Resolution] when you use the optical character recognition (OCR) feature.
- For Store to Folder, you cannot select [Searchable] for [Searchable Text].
- When you use CentreWare Internet Services to retrieve a file from a folder, you can set [Searchable Text] if all scanned images of the file in the folder are set as follows:
  - Image Size: 15 x 15 mm to 309 x 432 mm
  - Color Scanning: Black & White
  - Original Type: Photo & Text, Text (for faxes, all types)
  - Color Space: sRGB
  - Resolution: 200dpi, 300dpi (for faxes, all resolutions)
  - Reduce/Enlarge: 100 % (for faxes, all ratios)

### ■ Compression Format of Scanned Images

- You cannot retrieve grayscale or color images in uncompressed (Raw) format.
- JBIG2 compression of PDF is supported.

### ■ Preview of Scan File

- If [MRC High Compression] is set to [On] under [File Format], preview cannot be displayed.
- If you select [Specific Color] for [File Format], preview cannot be displayed.
- If a preview image is not what you expected, cancel the job, configure the settings, and then scan the document again.
- If you cancel the scanning of a document by pressing the <Stop> button on the control panel or the [Delete] button in the touch screen, selecting [Preview] may not display all the scanned files.

### ■ Scanning Documents with a Small Number of Colors (Specific Color Feature)

- To use the Specific Color feature, the High Compression Image Kit (optional) is required.
- Specific Color (for PDF or DocuWorks) and MRC High Compression (for PDF or DocuWorks) cannot be used simultaneously.
- You cannot use this feature when retrieving data via Network Scanner Utility 3 or EasyOperator.
- Select [Color] for [Color Scanning].
- This feature is available when [Color Scanning] is set to [Color], when [Resolution] is set to [200 dpi] or [300 dpi], and when [File Format] is set to [PDF] or [DocuWorks].
- You cannot change the number of colors. (The maximum is 16 colors.)
- You can attach thumbnails to files when the [Specific Color] is selected, but the thumbnails are displayed in full color.
- Monochrome images scanned with the Specific Color feature may be different from the ordinary monochrome images in the image quality.
- The Specific Color feature is not suitable for documents with graphs and photographs, or with multiple colors. For those documents, use MRC High Compression.

### ■ Obtaining Addresses from LDAP Server

- Recipients' addresses that can be obtained from the LDAP server for the E-mail service are e-mail addresses, Internet fax addresses, and fax numbers.
- The Address Book that can be used for the E-mail service in Job Flows is the Address Book stored in the machine.

### ■ Restrictions on Internet Explorer

- When you access a URL that is sent by e-mail using Internet Explorer, a File Download pop-up window is displayed. Start the download within three minutes after the pop-up window appears, otherwise an incomplete file will be left in your computer.
- When you use the Store & Send Link service by selecting [DocuWorks] and [Single File for Each Page] for [File Format], you may not properly obtain files from the destination URL if [Automatic prompting for file downloads] is set to [Disable] under [Tools] > [Internet Options] > [Security] > [Custom Level] > [Automatic prompting for file downloads] with your Internet Explorer.
- When you use Internet Explorer, even if you click "To delete file, click here." in the [Document Acquisition] screen of the Store & Send Link service, file deletion may not be performed. In this case, use another browser than Internet Explorer to delete the file.

### ■ Split Files

You cannot select [Single File for Each Page] when using the Store to Folder or Job Flow service.

### ■ Thumbnail View

- Files in a folder may not be displayed in thumbnail view in the following cases. In those cases, display them in list view.
  - Some file is not displayed in thumbnail view even though it is stored in the folder.
  - Characters and images are not correctly displayed because they are scaled down from the actual sizes.
- The orientation of an image displayed in thumbnail view depends on which orientation the document was stored in.
- If the power is cut off immediately after a scanned file is stored in a folder, or if the hard disk space is insufficient to display thumbnails, files in the folder may not be displayed in thumbnail view. In that case, display them in list view.

### ■ FTP Transmission for Scan to PC

- By factory default, [Passive Mode] is selected as a transfer mode to send scanned data via FTP from the machine.
- You can switch the FTP transfer mode using CentreWare Internet Services, but cannot switch the mode per job or per destination FTP server.
- Depending on your network environment, operations may not be performed properly unless the FTP transfer mode is switched from [Passive Mode] to [Active Mode].
- When [IP Filtering] is enabled, make sure to switch the FTP transfer mode to [Active Mode].

  In [Passive Mode], the server permits a client to connect to the port for the data transfer so that the client starts the connection. [Passive Mode] is commonly used and also has lower security risk than [Active Mode].

  In [Active Mode], a client notifies the server of the port number for the data transfer so that the server starts the connection. [Active Mode] may incur a security risk such as

impersonation by third parties. In addition, the proper connection may not be available in a firewall environment. In such a case, select [Passive Mode].

### ■ SMB Transfer for Scan to PC

If you use Mac OS X v10.7 Lion, contact our Customer Support Center and ask if your operating system is supported.

### ■ Store to WSD

- When the WSD Scan port is not activated, the [Store to WSD] button is not displayed in the [Services Home] screen. Enable the WSD Scan port to use the Store to WSD service on the machine.
- The Store to WSD service requires the scanner driver included as standard in Windows Vista Service Pack 2 or later. When an appropriate operation system is installed, you can operate scan using [Windows Fax and Scan] or [From scanner or camera] in [Microsoft Paint].
- [Next Original] is not displayed when using the Store to WSD service.
- You cannot execute multiple jobs simultaneously. If you execute a job during the scan job, the subsequent job is not accepted.
- When using the Store to WSD service, you cannot change the Layout Adjustment settings on the machine. Configure the settings on the computer using the scanner driver included as standard in Windows.
- Select [Operate From Computer] to display the standby screen. If the standby screen is not displayed, a scan job will not be started even when the network computer recognizes the machine. While the standby screen is displayed, the machine does not execute Auto Clear or enter the Energy Saver mode.
- After being scanned, remove the originals and then select [OK] on the [Remove Your Originals] screen. You cannot execute any operation without selecting [OK].
- The Store to WSD service requires the scanner driver included as standard in Windows Vista or later. Setting items are different from those for the dedicated scanner driver.

## Notes and Restrictions on the Use of the Fax Feature

### ■ Settings on Manual Fax Transmissions

Manual fax transmissions are performed in accordance with the settings in [Fax Defaults]. If you change settings on the fax screen before the calling screen appears, the settings become effective.

### ■ Relay Broadcast

The machine has the function of an initiating station but does not have the function of a relay station.

The machine does not support G4 communications, but if a relay station supports G4 communications, the machine can select a G4 communication function that a relay station performs as an instruction for relay broadcast.

### ■ Features Supported by F Code Communication

F Code communication supports the following features: the Send Fax - Remote Folder, Secure Polling, Store File - Local Folder, Relay Broadcast, and Remote Relay Broadcast features.

### ■ Fax Immediate Reception

If the machine's memory capacity becomes insufficient to receive fax data, the machine automatically switches into immediate reception mode. In this mode, the machine outputs received documents on a page-by-page basis; each document page is output immediately after the machine finishes receiving it. However, if the machine receives large data, such as an A3 size photo with many halftone levels, the machine may not print it even after the machine finishes receiving it. In that case, press the <Stop> button, or turn the machine off and then on again, to have the machine print the document.

### ■ Skip Blank Pages Feature

The level of accuracy in which the machine determines whether a page is blank or not differs depending on a document. For example, if a blank page has background shadows, the machine may not determine the page as a blank page.

### ■ Address Type Settings When Registering on the Address Book

The following address types can be selected when you add an address to Address Book:

Fax, IP Fax (SIP), Internet Fax, E-mail, and Server (FTP/SMB)

When you register an address on the Address Book, select an address type in accordance with the service. The address book entry registered with the wrong address type cannot be selected from the original service.

### ■ Simple Fax

- While you are making the settings for [Fax/Internet Fax], you cannot switch to the [Simple Fax] screen. To switch to the [Simple Fax] screen, you must return to the [Services Home] screen. Once you return to the [Services Home] screen, the settings you have made will be cleared.
- You can re-enter a recipient after entering the recipient to prevent sending a fax to a wrong address.
- You cannot use address numbers to specify recipients for Broadcast Send, group dial numbers, the Address Book, and wildcards.

### ■ Printer Lockout

If the power is switched off when both [Set Lockout Duration] and [Allow User to Lock Out] are selected in [Printer Lockout], the manually configured [Lock Out Printer] setting is cleared. If the power is switched on again, [Set Lockout Duration] will be effective regardless of the [Lock Out Printer] setting.

### ■ Activity Report

The number of a smart card cannot be displayed.

### ■ Direct Fax

When sending a fax using the Direct Fax feature, the recipient name is printed on the Activity Report, Confirmation Options, Transmission Report - Job Undelivered, Broadcast Report, and Job History Report. If you want to print the telephone number or SIP URL instead, leave the text box of [Name] on the print driver screen blank. Note that the column of [To] on Fax Cover Page is also left blank under this setting.



## Notes and Restrictions on the Use of the E-mail/Internet Fax Feature

### ■ Notes on E-mail Transmissions

"The job has been sent." that is displayed on the confirmation screen, Activity Report, or Confirmation Options indicates that an e-mail has been sent to the SMTP server configured

on the machine for transmitting e-mail. The e-mail, however, may not reach its destination for some problem on the transmission path of the Internet. In this case, the machine is not notified of such transmission error. After sending an important e-mail, we recommend that you confirm its reception, such as by calling the recipient.

### ■ Feature Combinations when Transmitting an Internet Fax

- [Resolution] on the [Fax/Internet Fax] screen

  When [TIFF-S] is selected for [Internet Fax Profile] on the [Fax/Internet Fax Options] screen, [Superfine (400 dpi)] or [Superfine (600 dpi)] cannot be selected.

  For information on Internet fax profiles, refer to "4 Fax" > "Fax/Internet Fax Options" > "Internet Fax Profile (Specifying Internet Fax Profiles)" in the User Guide.

- [Starting Rate] on the [Fax/Internet Fax Options] screen

  The communication mode can be specified only when sending e-mail using the Fax Gateway feature. For other cases, e-mail is sent via G3 Auto.

  For more information on the Fax Gateway feature, refer to "4 Fax" > "About Internet Fax" > "Useful Features" > "Sending Internet Fax to regular fax machines via a relay station" in the User Guide.

- [Original Size] on the [Layout Adjustment] screen

  When [TIFF-S] is selected for [Internet Fax Profile] on the [Fax/Internet Fax Options] screen, an Internet fax is sent in A4 even if a size larger than A4 is specified.

  For information on Internet fax profiles, refer to "4 Fax" > "Fax/Internet Fax Options" > "Internet Fax Profile (Specifying Internet Fax Profiles)" in the User Guide.

### ■ Internet Fax and Direct Internet Fax

- You can switch between the Internet Fax and Internet Fax Direct features in the System Administration mode, however, you cannot use both features simultaneously. For switching between the features, contact your System Administrator.
- Both the Internet Fax and E-mail services can be used at the same time. The Internet Fax Direct and E-mail services can also be used simultaneously.
- The following recipient machines (models with the Fax feature) can establish a peer-to-peer communication with the machine for the Internet Fax Direct feature:
  - DocuCentre-IV C2265/C2263
  - DocuColor 1450 GA
  - ApeosPort-IV C7780/C6680/C5580
  - DocuCentre-IV C7780/C6680/C5580
  - ApeosPort-IV C4430
  - DocuCentre-IV C4430
  - DocuCentre-IV C2260
  - ApeosPort-IV C5570
  - DocuCentre-IV C5570
  - ApeosPort-IV C4470
  - DocuCentre-IV C4470
  - ApeosPort-IV C3370
  - DocuCentre-IV C3370
  - ApeosPort-IV C3371
  - DocuCentre-IV C3371
  - ApeosPort-IV C2270
  - DocuCentre-IV C2270
  - ApeosPort-III C4405
  - DocuCentre-III C4405

- ApeosPort-III C3305/C2205
- DocuCentre-III C3305/C2205
- ApeosPort-III 4000/3000
- DocuCentre-III 4000/3000
- ApeosPort-III 7000/6000/5000
- DocuCentre-III 7000/6000/5000
- ApeosPort-III C7600/C6500/C5500
- DocuCentre-III C7600/C6500/C5500
- ApeosPort-III C4400
- DocuCentre-III C4400
- ApeosPort-III C3300/C2200
- DocuCentre-III C3300/C2200
- DocuCentre-III 4000/3000
- ApeosPort-II 7000/6000/5000
- DocuCentre-II 7000/6000/5000
- ApeosPort-II C7500/C6500/C5400
- DocuCentre-II C7500/C6500/C5400
- DocuCentre-II 4000/3000
- Papered-II 4000/3000
- DocuCentre-II C4300/C3300/C2200
- ApeosPort-II C4300/C3300/C2200
- ApeosPort C7550 I/C6550 I/C5540 I
- ApeosPort 750 I/650 I/550 I
- ApeosPort C4535 I/C3626 I/C2521 I
- ApeosPort 450 I/350 I
- DocuCentre Color f450/f360/f250
- DocuCentre f285/f235

- When [Resend Attempts] is set to [On] and the status of the Internet Fax Direct feature enters Resend Required, the subsequent jobs will not be executed until the jobs in Standby status finish.
- Transmission results of Internet faxes cannot be listed on Transmission Report - Job Undelivered or Transmission Report by recipients. Transmission results of Internet Direct faxes can be listed on the reports.

**■ Internet Fax Profiles**

- When specifying an Internet fax profile

  The Internet fax profile that can be processed varies depending on the machine that the recipient uses. When specifying an Internet fax profile, confirm whether it can be processed by the recipient's machine.

- When an Internet fax profile not supported by the recipient's machine is specified

  If the Internet fax profile you specified is not supported by the recipient's machine, the image you sent cannot be displayed or printed on the recipient's machine. Before using an Internet fax profile, confirm if it can be processed by both your machine and the recipient's machine.

- TIFF files and Internet fax profiles that can be processed upon Internet fax reception
  - TIFF file format: TIFF-FX (RFC2301)
  - Internet fax profile: TIFF-S, TIFF-F, TIFF-J

If receiving a TIFF-C profile, an error occurs and the machine cannot print the file. If receiving the other unsupported Internet fax profile, the machine may not be able to print the files.

**Note** • Communications and Information Network Association of Japan (CIAJ) confirms the use of image-/tiff-fx.

- Transmission conditions for broadcast transmission
  - When sending a document via a broadcast transmission, it can be sent to both Internet fax and regular fax addresses at the same time. To Internet fax addresses, the document will be sent by e-mail, and to regular fax addresses, the document will be sent by fax.
  - When the transmission conditions are different for each address, set all addresses to the following settings:
    - Transmission mode:G3 Auto
    - Internet fax profile :TIFF-S
    - Read/delivery receipt:None

### ■ E-mail Forwarding

If the fax you received is a JBIG-compressed image, and if the Internet fax profile of the forwarding destination is set to TIFF-F, the machine converts the image into MH format when forwarding. When the Internet fax profile is TIFF-S, the data is forwarded with its size and resolution unchanged.

### ■ S/MIME Communication for Internet Fax

S/MIME Encryption cannot be used for the features that use special e-mail addresses, such as the reception of Internet fax with a folder specified and a fax transfer for e-mails received by Internet Fax.

### ■ S/MIME Untrusted E-mail Reception Settings

When [Receive Untrusted E-mail] or [Receive Untrusted Internet Fax] under [Connectivity & Network Setup] > [Security Settings] > [S/MIME Settings] is set to [No] in the System Administration mode, you cannot receive the confirmation result even if [Read Receipts] is set to [On].

### ■ Fax Gateway Feature

This feature can only be used when the e-mail receiving protocol is SMTP on the Internet Fax-enabled machine that faxes are sent to.

If an e-mail was sent by converting it into fax, and if it was not delivered successfully to the recipient, the e-mail that was received originally will be deleted.

For more information on the Fax Gateway feature, refer to "4 Fax" > "About Internet Fax" > "Useful Features" > "Sending Internet Fax to regular fax machines via a relay station" in the User Guide.

### ■ Restrictions on Paper Selections upon Internet Fax Reception

The machine determines whether a TIFF file attached to an e-mail complies with the content type defined in RFC2301 and RFC3250. If the content type is compliant with RFC2301 and RFC3250, the machine selects appropriate paper to render the file image as a fax-received image.

Even when the file was received via Internet Fax, if its content type is not compliant with FRC2301 or RFC3250, the machine will not properly select paper for it. For example, an incoming fax that is A4 size may be printed on B4 paper instead.

Such problems may improve depending on the usage. Contact our Customer Support Center for further information.

### ■ Restrictions on the E-mail Server

Depending on the system environment (such as the restrictions on your e-mail server), large e-mail may not be delivered successfully. When sending a large e-mail by splitting it, check the capacity of your system environment and of the recipient's environment.

If the data size is still too large to send, reduce their size by lowering the image resolution or transmission resolution.

### ■ Network Security

We do not guarantee the security of any information disclosed over the network.

### ■ Setting the System Environment for E-mail Service

To send or receive e-mail, the system environment of the machine must be set for the E-mail service. Set up the system environment such as SMTP, POP3, and DNS servers, as required.

### ■ Notes on Security

E-mail uses the Internet, which is a network connecting computers worldwide, as its transmission path. Thus, since other signals also are sent over the Internet, you must pay attention to security to prevent third parties from reading or tampering of your e-mail.

Consequently, to transmit important information, we recommend that you use other transmission methods that guarantee security. In addition, to avoid the reception of unwanted e-mail, we recommend that you not disclose your e-mail address to third parties unless necessary.

### ■ Preventing Receipt of Unwanted E-mail

The machine provides a feature that prevents the reception of unwanted e-mail sent from third parties.

By specifying the domains from which e-mail can be received, you automatically can reject e-mail sent from other addresses.

For information on restricting domains from which e-mail can be received, refer to "Domain Filtering" (P.211).

### ■ Notes on E-mail Receptions

A large volume of e-mail may not be printed if the memory capacity is insufficient. In this case, increase the memory size or ask the sender to lower the resolution.

### ■ Notes on E-mail Reception when [Split by Data Size] is specified

When [Split by Data Size] is specified as the e-mail splitting method, even if you receive the split e-mail, you cannot reconstruct and print it.

### ■ Notes on E-mail Transmission when [Split by Data Size] is specified

When [Split by Data Size] is specified as the e-mail splitting method, split the data so as to enable e-mail reception with e-mail software corresponding to the Message/Partial content type.

### ■ Job Counter Report

If you specify multiple different [Pages per Side] settings using the Build Job feature, the numbers of pages displayed for [2 Pages] and [Greater than 2 Pages Up] displayed on the Job Counter Report are calculated according to the latest N-up setting you specify.

Example 1:

When you select [2 Pages] for Document 1 (4 pages) and [Off] for Document 2 (2 pages), both Documents 1 and 2 are set to [Off] and the number of printed pages is calculated as follows:

- Total pages: 4
- 2 up: 0

Example 2:

When you select [Off] for Document 1 (4 pages) and [2 Pages] for Document 2 (2 pages), both Documents 1 and 2 are set to [2 Pages] and the number of printed pages is calculated as follows:

- Total pages: 5
- 2 up: 5

On ApeosWare Log Management or ApeosWare Accounting Service, the numbers of pages for 2in1, 4in1, and 8in1 are also calculated in the same way as described above.

The meter on the [Billing Information] screen calculates the number of printed pages correctly regardless of the [Pages per Side] setting.

**■ Folder Passcode**

- You do not need to specify the passcode of a recipient when sending an IP Fax (SIP) to a remote folder. Thus, the passcode enclosed in "\" or "/" is not replaced by "*" as with that of regular faxes.If you select an IP Fax (SIP) by mistake and specify the passcode of a recipient when you send a fax or an Internet fax, the passcode is displayed on the touch panel screen, the Job Status screen, and a report. Be sure to check the type of fax before sending a fax to a remote folder.
- Communications and Information Network Association of Japan (CIAJ) confirms the use of image-/tiff-fx.

## Notes and Restrictions for IP Fax (SIP)

This section describes notes and restrictions to observe when using IP Fax (SIP).

**■ IP Fax (SIP) Feature**

- In IP Fax (SIP) transmissions, protocols used for call connection are SIP and for data communication is T.38. Other IP Fax transmissions protocols, such as H.323 standard and deemed voice communication method, are not supported.
- IP Fax (SIP) cannot be performed on SSL/TLS communication.
- In IP Fax (SIP) transmissions, authentication is performed between the machine and a SIP server.

  The authentication supports the digest authentication only. NTLM and the other authentication methods are not supported.
- The number of simultaneous connections for IP fax (SIP) is one. The machine cannot perform sending and receiving an IP fax (SIP) at the same time.
- Up to two SIP servers are available for a registrar server and a proxy server, respectively.
- The IP address of a SIP server can be resolved using DHCP or DHCPv6 (The IP address of the SIP server must be set to the option number "120" of a DHCP or a DHCPv6 server). However, observe the following considerations:
  - If an IP address is automatically resolved using DHCP in an IPv4 environment, set [IPv4 - IP Address Resolution] to [DHCP] or [DHCP/Autonet].
  - Even when an IP address can be resolved automatically using DHCP or DHCPv6, port number, login user name, login password, and server type cannot be resolved automatically. Configure these items manually.
  - If an IP address is resolved automatically, the same IP address is assigned to a proxy server and a registrar server. If you use different IP addresses for a proxy server and a registrar server, configure the IP addresses manually.

- If multiple IP addresses are resolved automatically, assign the first IP address to a primary proxy/registrar server and the second to a secondary proxy/registrar server. The third and subsequent addresses are not used.

- Only ToS (IP Precedence/DSCP) is supported as a QoS control method, and other QoS controls including CoS are not supported. Set the priority of IP packet transmission in [Prioritize T.38 IP Packets] to perform QoS control for the machine.

### ■ Recipients

IP Fax (SIP) communications are available only among the IP Fax (SIP) - enabled machines manufactured by Fuji Xerox that are installed in an intranet. However, Able 1407 is unsupported.

### ■ SIP Server

The following e-mail applications can transmit e-mails between the machine and a computer:

- MCS7816H3 (Cisco Unified Communications Manager 6.1 must be loaded) manufactured by Cisco Systems, Inc. is a SIP server we have validated operation.
- If you use a SIP server manufactured by Cisco Systems, Inc., only UDP can be used as T.38 protocol.
- SIP servers does not work on IPSec communications.
- SIP servers does not work in an IPv6 environment.
- SRST that works on routers such as CISCO2801 manufactured by Cisco Systems, Inc. is not supported.
- Cisco Call Manager Express that works on routers such as CISCO2801 by Cisco Systems, Inc. is not supported.
- If you use a SIP server manufactured by Cisco Systems, Inc., you can specify only IPv4 address character strings of the SIP server on the right side of @ in [SIP User ID (Sign-in Name)]. If you specify IPv6 address character strings, FQDN character strings, and SIP domain name character strings, the SIP server does not work.
- When a SIP server is configured as a SIP terminal of the machine on the server, if settings other than specified are configured, the SIP server does not work as the SIP terminal.

### ■ VoIP Gateway

- CISCO2801-V/K9 (IOS 12.4) manufactured by Cisco Systems, Inc. is a VoIP gateway we have validated operation.
- The gateway may not work properly over an analog line depending on your environment.
- If you use a VoIP gateway manufactured by Cisco Systems, Inc., only UDP can be used as T.38 protocol.
- VoIP gateways does not work on IPSec communication.
- VoIP gateways does not work in an IPv6 environment.
- If settings other than specified by Fuji Xerox are configured for a dial peer or a voice port on a VoIP gateway, the VoIP gateway does not work.
- If a part of transferred data is lost on a network, a part of image may be missing or be getting stacked. To avoid these, the ECM mode is effective.

  The machine can always use the ECM mode, however, you cannot use the mode depending on the VoIP gateway settings.

  Consult your network administrator whether the ECM mode is available.

### ■ NAT/NAPT

Communication protocols that transmit UPnP, TURN, STUN, ICE, and UDP hole punching in SIP communications are not supported.

IP Fax (SIP) does not work in an environment that uses NAT/NAPT devices including ALG.

## Notes and Restrictions when Connecting with Internet Service Provider

This section describes notes and restrictions to observe when using features that transmit e-mails or Internet faxes using an Internet service provider (ISP).

The features related to e-mail are as follows:

- E-mail
- E-mail Notification Service
- Print E-mail
- Internet Fax

### ■ Notes and Restrictions on Accessing ISP

Observe the following notes and restrictions when connecting the machine to ISP:

- Dial-up connection is not supported. Continuous connection is required.
- Connect the machine in an environment using IP masquerade. Assigning a global IP address to the machine is not supported.
- Be sure to assign an exclusive e-mail account to the machine for POP reception. Sharing an e-mail account with other users may cause troubles.
- Be sure to set size limitation for sending e-mail. Although the applicable e-mail size may vary depending on the ISP used, we recommend that you set a small value.
- Although continuous connection other than ADSL or cable connection is also supported, the reception of image data significantly burdens the machine.
- SMTP reception is not supported. This machine supports only POP reception.
- When installing the machine in an environment that is operating a mail transfer agent (MTA) in a private segment, set the machine to adapt to the operation system being used.
- For information about supported ISPs, contact our Customer Support Center.
- When received via POP, the fax cannot be sent using the Fax Gateway feature. This is because POP receiving does not forward an Internet fax document received by e-mail to the fax machine.

### ■ Feature Specifications

Details of the features related to e-mail are as follows:

- Transmission specifications

| | |
|---|---|
| Supported protocol | : SMTP |
| Port number | : 25 (default) |

- Authentication for transmission

| | |
|---|---|
| SMTP authentication | : Plain and LOGIN |
| POP before SMTP | : Plain and APOP |
| Waiting time for POP authentication | cannot be changed |

| | |
|---|---|
| Encryption communication (SSL) | not supported |

- Receiving specifications

| | |
|---|---|
| Supported protocol | : POP3 |
| POP3 port number | : 110 (default) |
| Authentication method for POP3 | : Plain only (APOP is not supported) |
| E-mail processing after POP3 reception | : deletes e-mail received from a server after reception. Settings to store e-mail on the server is not supported. |
| Encryption communication (SSL) | : not supported |

**Note** • IMAP4 is not supported.

### ■ IP Address Settings

The machine does not support a global IP address. Be sure to use the machine in an environment using IP masquerade.

- Operating with fixed address

  Register the machine's IP address on a router or a server managing IP addresses for domain control servers.

- Operating with DHCP

  Setting is not required. Depending on settings of the router and the DHCP server, registration may be required. Confirm operation rules for the router and DHCP server you are using. When access is restricted by MAC address, registration on the DHCP server may be required.

### ■ Settings from the Control Panel

Before you use the E-mail service, set the maximum data size for sending e-mail on the control panel. For more information on the maximum limit, refer to the ISP guidelines. The recommended value is 1 to 2 MB.

In the System Administration mode, select [Tools] > [E-mail/Internet Fax Service Settings] > [E-mail Control] > [Maximum Total Data Size] to configure the setting.

For more information on setting, refer to "Maximum Total Data Size" (P.240).

Suitable image sizes are as follows:

- A4 full-color 200 dpi with standard compression:around 700 KB
- A4 full-color 200 dpi with high compression:around 400 KB
- A4 black and white 200 dpi (text document):around 25 KB
- A4 black and white 200 dpi (text & photo document):around 200 KB

**Note** • The sizes described above are applicable when sending e-mail. The actual size may be different.

### ■ Settings from CentreWare Internet Services

For more information on settings to be configured on CentreWare Internet Services, click [Help] at the upper right corner of the CentreWare Internet Services screen to see help.

**Important** • To display the help for CentreWare Internet Services, users need to have the environment to connect to the Internet. The communication fee shall be borne by the users.

• Set [Polling Interval] to at least 10 minutes when connecting to ISP.

## Notes and Restrictions on the Interrupt Mode

If you press the <Interrupt> button while printing, the machine temporarily stops printing and enters the Interrupt mode.

**Note** • However, if the machine is scanning a document while printing, the print job cannot be interrupted.

Jobs can/cannot be executed during interruption are as follows:

| Job | | Job Instruction from the Control Panel*1 | Job Execution |
|---|---|---|---|
| Copy | | Required | O |
| Print | Printing of a document*2 instructed from a client computer | Required*3 | O |
| | Printing of a document*4 instructed from the <Job Status> button > [Secure Print Jobs & More] | Required | O |
| Fax | Fax transmission, Broadcast Send | Required | O |
| | Store for Poling | Required | O |
| | Incoming Fax Print | Required*3 | O |
| | Printing of a document in the Public Folder ([Job Status] > [Secure Print Jobs & More] on the control panel) | Required | O |
| Direct Fax | Direct Fax transmission | Not required | ? |
| Internet Fax | Internet fax Transmission | Required | O |
| | Internet fax reception/printing | Required*3 | O |
| | Internet fax reception/Store Internet fax - Local Folder | Not required | ? |
| | Forwarding an incoming Internet fax to a regular fax machine | Not required | ? |
| | Forwarding an incoming fax to an Internet fax | Not required | X |
| Scan | Store to Folder, Scan to PC, E-mail, Network Scanning, Store & Send Link, and Store to USB | Required | O |
| Report/List | Automatic printing of a report/list other than a Job History Report | Not required | X |
| | Automatic printing of a Job History Report | Not required | O |
| | Printing of a report/list instructed from the <Machine Status> button > [Machine Information] > [Print Reports] | Required | O |
| Folder | Automatic forwarding of a stored file, automatic fax/Internet fax transmission | Not required | X |
| | Printing of a stored file (Fax for Secure Polling/ Store Fax - Local Folder/Store Internet Fax - Local Folder) instructed from the control panel | Required | O |
| | Printing of a stored file (scanned file/print file) instructed from the control panel | Required | X |
| | Automatic printing of a stored file | Required*3 | O |

| Job | | Job Instruction from the Control Panel*1 | Job Execution |
|---|---|---|---|
| Job Flow Sheet | Execution of a job flow sheet instructed in [Send from Folder] or [Job Flow Sheets] on the touch screen | Required | O |

O : The job can be executed during the Interrupt mode.
X : The job cannot be executed during the Interrupt mode.
? : The job can be accepted from a client or another machine, but the job cannot be executed during the Interrupt mode.

*1 : The job instruction from the control panel is required/not required to execute the job.
*2 : Normal printing, first set of Sample Set, Delayed Print (auto print)
*3 : During interruption, any document displayed as a pending job on the [Job Status] screen can be printed by selecting [Promote Job]. When priority printing is instructed during interruption, the next priority printing is disabled until the instructed print job is completed.
*4 : Secure Print, Private Charge Print, Sample Set, Delayed Print, or Charge Print

**Note**
- The followings jobs are executed regardless of the Interrupt mode.
  - Automatic fax transmission (Send Fax - Remote Folder)
  - Fax reception

## Notes and Restrictions on Folders

### ■ Printing Scan Files

When you print files in a folder such as the following, it may take long to output the first page:

- Files with multiple pages
- Files with colors or saved in high resolution

### ■ Retrieving Files in Folder from CentreWare Internet Services

- Files in a folder can be retrieved in DocuWorks or PDF format from CentreWare Internet Services, but DocuWorks and PDF files that are encrypted or with signature attached cannot be retrieved from CentreWare Internet Services.
- When you retrieve a file in PDF format from CentreWare Internet Services, the PDF file cannot be optimized for Web view.

## Notes and Restrictions when Connecting to Internet or Intranet

### Internet/Intranet Connection

Depending on the web server, server application, proxy server, and firewall, you may not be able to connect to the Internet or intranet.

To connect to the Internet or intranet using a third party server application, proxy, or firewall, the following requirements must be met:

- Support Windows 2000, Windows XP, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Vista, or Windows 7
- Comply with the following conditions:
  - RFC2616: Hypertext Transfer Protocol HTTP/1.1
    (Standard connection/SSL connection/Proxy authentication)

- RFC2617: HTTP Authentication: Basic and Digest Access Authentication
  (only Basic authentication is supported, the other authentications are not supported)
- RFC2817: Upgrading to TLS Within HTTP/1.1
- RFC2818: HTTP Over TLS

- Supporting the HTTP/HTTPS schemata
- Supporting the GET/CONNECT/POST methods

## Notes and Restrictions when Operating from Computers

### ■ Supported OS

There are notes and restrictions on Microsoft Windows XP Professional x64 Edition, Microsoft Windows Server 2003 x64 Editions, Microsoft Windows Vista x64 Edition, Microsoft Windows Server 2008 x64 Editions, Microsoft Windows 7 x64 Edition, and Microsoft Windows Server 2008 R2 x64 Editions Drivers. For notes and restrictions on the supported operating systems, refer to our Web site before using the operating systems.

### ■ Restrictions on Macintosh (standard)

- In Macintosh environment, the Scan features using TWAIN scanner driver cannot be used.
- The print driver for Max OS X adopts the Plugin driver, which enables you to make the settings for the authentication information and to use the Secure Print feature.

### ■ Restrictions on Macintosh (the Adobe PostScript 3 Kit (optional))

To print using PostScript, the Adobe PostScript 3 Kit (optional) is required.

- Because the print drivers for Mac OS X 10.3.9 to 10.4.11/10.5/10.6/10.7 (except for 10.4.7) adopt Plug-ins, the User Details Setup, Secure Print, Sample Set, Delayed Print, and Print Stored File features are available.
- For the print drivers for Mac OS 9 (without Plug-ins), the User Details Setup, Secure Print, Sample Set, Delayed Print, and Print Stored File features are not available. For the other restrictions, refer to the manual or Readme included in the driver's CD-ROM.

### ■ Print Driver for Mac OS X

- Mac OS X 10.5/10.6/10.7 is supported.
- The Direct Fax feature cannot be used.
- There is neither the feature to adjust image quality nor to save toner. There are also some limitations, for example, in paper size settings and paper types. To fully utilize the Print feature, install the Adobe PostScript 3 Kit (optional).

### ■ Direct Fax for Mac OS

- Documents in various sizes are not supported.
- When sending a document of different orientations using this feature, the machine may divide the document into multiple jobs in each size. (It depends on the application you use.)
- This feature does not support documents which attach covers.
- If you attach covers to a document by setting it on Mac OS, only the cover page is sent to the recipient. Even if you set to output multiple sets, the setting is changed to 1 set automatically.
- The collate feature is not available.

### ■ Restrictions on Macintosh (common)

For Mac OS X 10.3.9 or Mac OS 9.2.2, if you print a document with odd number of pages 2-sided, a blank page will be added after the last page, and the blank page will be counted as one page.

### ■ CentreWare Internet Services

- When the [CSRF Protection] feature is enabled, CentreWare Internet Services may become inaccessible depending on your browser type, web browser usage situation, and the network environment. In such a case, try to access CentreWare Internet Services from other computer. Be sure to consult your System Administrator before disabling the feature. If you have no other computer that can access CentreWare Internet Services, contact our Customer Support Center.

  CSRF is a type of attack that forces an user to execute unwanted action on a web site in which the user is currently authenticated, via the malicious web site. The [CSRF Protection] feature prevents unwanted actions from being executed on CentreWare Internet Services and changing the machine settings in case the user unknowingly accesses a malicious website.
- The optional hard disk is required to obtain a Job History Report in a CSV format using CentreWare Internet Services. For more information, contact our Customer Support Center.
- Do not edit or change the file in CSV format (address book data), which is exported by CentreWare Internet Services, using software such as Microsoft? Excel. Some models do not display any warning message when registering the altered data. Since the altered data may be damaged, fax may be sent to undesired recipients.
- The recipient data is added to the Address Book in the machine without deleting registered recipients when you import the data from [Data Import] on [Address Book] tab of CentreWare Internet Services. If you want to change the setting to overwrite mode, contact our Customer Support Center.
- Only the address book data exported from [Data Export] on [Address Book] tab of CentreWare Internet Services is available to import from [Data Import] on [Address Book] tab.

## Notes and Restrictions on Job Flows

### ■ Job Flows

- If you transfer fax or Internet fax documents via SMB, FTP, or E-mail, the documents will be converted into the standard size (such as A4 and A3) and printed.
- If a Job Flow is performed with the following settings, an interference pattern may be created:
  - Original Type: [Photo & Text] or [Photo]
  - Resolution: [400 dpi] or [600 dpi]
  - Internet fax profile for sending Internet faxes: [TIFF-S]
- If an interference pattern is created, change the settings as follows:
  - Resolution: [200 dpi] or [300 dpi]
  - Internet fax profile for sending Internet faxes: [TIFF-F] or [TIFF-J]

### ■ Job Flow Settings for High Compression Format

When [MRC High Compression] is set to [On] under [File Format] for the Scan features, select one of the alternatives for each setting item:

- Color Scanning: [Auto Detect], [Color], or [Grayscale]
- Resolution: [200 dpi] or [300 dpi]
- Reduce / Enlarge: [100 %]
- File Format (without thumbnail specification): [PDF], [DocuWorks], or [XPS]
- File Format (with thumbnail specification): [DocuWorks] or [XPS]

**Note** • If settings other than the above are used, you can register a Job Flow sheet on the machine, but an error occurs when the machine executes the Job Flow and the Job Flow cannot be carried out.

### ■ Addresses Registered on Job Flows

If you specify a speed dial or an address registered on the Address Book when creating a job flow on the machine, any subsequent change of the number or address on the Address Book is not reflected on the job flow created. To transmit to the changed address, you must directly correct the address registered on the job flow.

## Notes and Restrictions on the Security Features

### ■ Encrypted Communication

Encrypting HTTP communication enables you to encrypt communication data for IPP printing (SSL encrypted communication). The data is encrypted only on the network, but send data itself is not encrypted.

### ■ Allow User to Disable Active Settings (for Forcible Printing Features)

This feature cannot apply to the ordinary print jobs. This feature is applicable to the jobs stored in the machine and then printed by the instruction from the touch screen, such as Copy, Secure Print, Private Charge Print, Store in Remote Folder, Media Print - Text, and Media Print - Photos jobs.

## Notes and Restrictions on the Authentication and Accounting Features

### ■ Login to Remote Accounts

- Only the services that can be instructed from the touch screen (Copy, Scan, Fax, Internet Fax, Charge Print, and Private Charge Print) are restricted by the Login to Remote Accounts feature. You cannot restrict the output color or the number of pages
- In this feature, neither Print nor Direct Fax can be restricted. To restrict print operations, use the Charge Print or Private Charge Print feature. If there is a security problem, prohibit Direct Fax. To prohibit Direct Fax, contact our Customer Support Center.
- When you change Login Type to or from [Login to Remote Accounts], user information, private folders, and Personal Sheets registered on the machine will be deleted.

### ■ Remote Authentication using the Smart Card

- Remote Authentication can be performed in an environment where Active Directory is used.
- Change the default realm name only when you want to use a different realm name.
- When IC Card Reader is used for remote authentication, the combined use of the smart card and a user ID and a passcode entries from the control panel is available for authentication. When local authentication is used, however, the combination is not available.

## Notes and Restrictions for Using SMB

This section describes notes and restrictions to observe when using SMB.

### ■ Configuration on the Machine

- IP addresses are managed for the entire system. Configure the settings only after consulting your network administrator.
- The setting of subnet mask and gateway addresses may be required depending on the network environment. Consult your network administrator and configure the required settings.
- When the port status is set to [Enabled], it may automatically switch to [Disabled] if the machine has insufficient memory. In this case, either set an unused port to [Disabled] or adjust the assigned memory size.
- Adjust the receiving buffer size for SMB in [Receiving Buffer - SMB] according to usage. If the receiving buffer size is smaller than the transmitted data, the machine may not be able to receive the data.

### ■ Configuration on the Computer

- IP addresses are managed for the entire system. Configure the settings only after consulting your network administrator.
- When setting the network such as IP addresses with a host used under the Network Information Service (NIS), consult your NIS administrator.

### ■ Turning Off the Machine

Check the following points when turning off the machine:

- When [Receiving Buffer - SMB] is set to [Spool to Memory]

  All print data spooled within the machine memory, including the data which is being printed, is erased. The print data does not remain when the machine is turned on again.

  However, if the machine was turned off immediately after a computer instructed a print job, the job may remain on the computer. In this case, when the machine is turned on, the data stored on the computer is printed before any jobs instructed subsequently.

- When [Receiving Buffer - SMB] is set to [Spool to Hard Disk]

  All print data spooled in the machine hard disk, including the data which is being printed, is saved. In this case, when the machine is turned on, the data stored on the machine hard disk is printed before any jobs instructed subsequently.

- When [Receiving Buffer - SMB] is set to [No Spooling]

  All print data spooled in the machine receiving buffer, including the data which is being printed, is erased. The print data does not remain when the machine is turned on again.

  However, if the machine was turned off immediately after a computer instructed a print job, the job may remain on the computer. In this case, when the machine is turned on, the data stored on the computer is printed before any jobs instructed subsequently.

### ■ While Printing

- When [Receiving Buffer - SMB] is set to either [Spool to Hard Disk] or [Spool to Memory]

  If the transmitted print data size exceeds the available capacity of either the hard disk or memory, the print data is not received.

**Note** • When the print data exceeds the receivable size, some computers may immediately re-transmit the print data. In this case, the computer appears to be not operating. Remedy this problem by canceling the print data transmission from the computer.

- When [Receiving Buffer - SMB] is set to [No Spooling]

  When the machine receives a print request from a computer, the machine cannot accept print requests from any other computers.

- When a computer's IP address or a computer name is changed

  When you change a computer's IP address or a computer name, queries and cancel processes submitted from the machine are no longer executed correctly. Thus, turn the machine off and on when there is no print data in the receiving buffer.

**Note** • From the control panel on the machine, you can cancel print jobs or force the machine to print the jobs remaining in the receiving buffer. For more information on the operation, refer to "10 Job Status" in the User Guide.

- When the machine is off-line

  If a computer instructs a print job while the machine is off-line, the machine does not receive the data, and a write error dialog box is displayed on the computer.

### ■ Environment for Printing via SMB

- When using Windows 2000, Windows XP, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Vista, or Windows 7 and the [Enabled] check box is selected for [Unicode Support], you cannot print with the SMB environment.
- When printing via the SMB port on Windows XP, the user name may not be displayed correctly.

### ■ SMB Authentication

When an IP address or a host name is used to designate the authentication server for SMB authentication, even if the domain name is incorrect, the authentication succeeds if the correct user name and passcode are entered.

## Notes and Restrictions for Using TCP/IP

This section describes notes and restrictions to observe when using TCP/IP (LPD).

### ■ Configuration on the Machine

- IP addresses are managed for the entire system. Configure the settings only after consulting your network administrator.
- The setting of subnet mask and gateway addresses may be required depending on the network environment. Consult your network administrator and configure the required settings.
- When the port status is set to [Enabled], it may automatically switch to [Disabled] if the machine has insufficient memory. In this case, either set an unused port to [Disabled] or adjust the assigned memory size.
- Adjust the receiving buffer size for LPD in [Receiving Buffer - LPD] according to usage. If the receiving buffer size is smaller than the transmitted data, the machine may not be able to receive the data.

### ■ Configuration on the Computer

- IP addresses are managed for the entire system. Configure the settings only after consulting your network administrator.
- When setting the network such as IP addresses with a host used under the Network Information Service (NIS), consult your NIS administrator.

### ■ Turning Off the Machine

Check the following points when turning off the machine:

- When [Receiving Buffer - LPD] is set to [Spool to Memory]

  All print data spooled within the machine memory, including the data which is being printed, is erased. The print data does not remain when the machine is turned on again.

  However, if the machine was turned off immediately after a computer instructed a print job, the job may remain on the computer. In this case, when the machine is turned on, the data stored on the computer is printed before any jobs instructed subsequently.

- When [Receiving Buffer - LPD] is set to [Spool to Hard Disk]

  All print data spooled in the machine hard disk, including the data which is being printed, is saved. In this case, when the machine is turned on, the data stored on the machine hard disk is printed before any jobs instructed subsequently.

- When [Receiving Buffer - LPD] is set to [No Spooling]

  All print data spooled in the machine receiving buffer, including the data which is being printed, is erased. The print data does not remain when the machine is turned on again.

  However, if the machine was turned off immediately after a computer instructed a print job, the job may remain on the computer. In this case, when the machine is turned on, the data stored on the computer is printed before any jobs instructed subsequently.

### ■ While Printing

- When [Receiving Buffer - LPD] is set to either [Spool to Hard Disk] or [Spool to Memory]

  If the transmitted print data size exceeds the available capacity of either hard disk or memory, the print data is not received.

**Note** • When the print data exceeds the receivable size, some computers may immediately re-transmit the print data. In this case, the computer appears to be not operating. Remedy this problem by canceling the print data transmission from the computer.

- When [Receiving Buffer - LPD] is set to [No Spooling]

  When the machine receives a print request from a computer, the machine cannot accept print requests from any other computers.

- When a computer's IP address or a computer name is changed

  When you change a computer's IP address or a computer name, queries and cancel processes submitted from the machine are no longer executed correctly. Thus, turn the machine off and on when there is no print data in the receiving buffer.

**Note** • From the control panel on the machine, you can cancel print jobs or force the machine to print the jobs remaining in the receiving buffer. For more information on the operation, refer to "10 Job Status" in the User Guide.

## Notes and Restrictions for Using EtherTalk

This section describes notes and restrictions to observe when using EtherTalk.

### ■ Printer Name

The system is set so that printer names used for identification by clients are not duplicated on the network. When assigning a new printer name, if the same printer name already exists on the network, the system automatically changes the printer name when the machine is started.

<Rules for changing printer name>

Printer names are changed according to the following rules:

- Names of 31 characters or less

  Adds a number to the end of the printer name. If the same printer name with the number added already exists on the network, increases the added number by one.

- Names of 32 characters

  Changes the last character of the printer name to a number. If the same printer name with the last character changed already exists on the network, increases the changed number by one.

  If the printer name is changed, the previous printer name set before the change is displayed when browsing [Protocols] on the [Properties] tab of CentreWare Internet Services. However, since the changed printer name is registered on the network, clients can browse the machine by using the changed printer name. Turning the machine off and then on after changing the printer name activates the machine with the changed printer name. If the same printer name already exists on the network, the printer name is changed according to the rules described above when the machine is started.

  Assign a printer name so as not to duplicate other printer names on the network.

### ■ Zone Name

Zone names can be set in [Protocols] on the [Properties] tab of CentreWare Internet Services. However, if the zone name set does not exist on the network to which the machine is connected, the zone name is automatically changed to the default name. To set a zone name, use the zone name that already exists on the network to which the machine is connected.

## Notes and Restrictions for Using Bonjour

This section describes notes and restrictions to observe when using Bonjour.

### ■ Supported Environment for Bonjour

Bonjour is available on Printer Setup Tool (Print Center, Printer Setup Utility) of Mac OS X 10.3.9/10.4.11/10.5/10.6/10.7, or Macintosh computers that use Safari. The Discovery feature of Bonjour is available only within the same subnet.

### ■ Printer Name

- If you change a printer name or a host name that is already assigned, documents may be printed by a printer that is not selected.
- If a printer name or a host name is duplicated on the same network, one of the duplicated names is automatically changed by adding a number to avoid duplication.
- If you change a printer name or a host name, because of the limitation on the number or type of characters used, a name differing from the designated name may be assigned. We recommend that you not change printer names or host names.

## Notes and Restrictions for IPv6 Connection

This section describes notes and restrictions to observe when using IPv6 connection.

- Printing via IPv6 supports the following versions of the operating systems.
  - Windows Vista
  - Windows 7
  - Windows Server 2008
  - Windows Server 2008 R2
  - Linux distribution that Common Unix Printing System supports IPv6 and is printable

- IPv6 does not support the following protocols:
  - NetWare IP
  - UPnP Discovery
- Some features of SMB are not supported (If you attempt to use services with a NetBIOS name, communication may not be available in some environment).
- IPv6-in-IPv4-tunneling in the machine itself is not supported.

**Important** • If [IP Mode] is set to [IPv6 Mode], the IPv6-inIPv4-tunneling cannot be performed.

- If more than one router exist in the same subnet, a communication error may occur.
- In a dual stack environment, some services may cause performance problems depending on the network settings (for example, when you attempt to set the machine to prioritize IPv6 in an environment where the Web server is started with IPv4).
- In a multi-prefix environment (where multiple IPv6 global addresses are used), data transmission from the machine to a device installed on another network may fail.
- In a multi-prefix environment (where multiple IPv6 global addresses are used), an address that is not assigned to the machine may be used for communication.
- The machine may be assigned an unavailable address, such as site local addresses (fec0::) or the documentation prefix (2001:db8::/32), as an autoconfigured IPv6 address or as an IPv6 DNS server address.
- The machine may use the DNS information for IPv4 rather than that for IPv6 if: the machine is in Dual Stack mode, the DNS information for both IPv4 and IPv6 is configured, the machine is to be communicate with a device that is specified using the FQDN, and the machine has just been turned on.
- The machine may display an incorrect machine address.
  Example:
  Either the IPv4 or IPv6 address is not displayed in Dual Stack mode.
  A different IPv6 address is displayed.
- A time synchronization server cannot be specified in IPv6 format. Use the IPv4 format to specify a time synchronization server directly.
- WINS does not support IPv6 communication.
- When a self-signed certificate is used for SSL communication, observe the following restrictions when specifying the printer URL:
  - When specifying the machine by using the domain name (for IPv4 or IPv6):
    Set the host name and domain name for the machine before creating a self-signed certificate.
    Example:
    When the FQDN is "csw.ipv6.domain.local", specify csw for the host name, and ipv6.domain.local for the domain name.
  - When specifying the machine by using the IPv4 address:
    Import a self-signed certificate that is created in IPv4 or Dual-Stack mode.
  - When specifying the machine by using the IPv6 address:
    Secure IPP (IPP-S) communication is not available.
- When IPv6 is enabled and IPv4 is disabled on the machine, you cannot specify a storage location for the Browse function of the Scan to PC (SMB) service.
- When the Scan to PC (FTP) service is used, only ASCII characters can be used for file names.
- In the following cases, since the addresses may not be recognized as those of the same machine, the lpq command (for status check) and the lprm command (for canceling) may not be available for LPD print jobs.

- When simultaneously operating IPv4 and IPv6 addresses with the same host
- When simultaneously operating multiple IPv6 addresses with the same host

- IPv6 addresses may not be correctly recorded on job logs. Use an IPv4 network for correct logging.
- When searching a device outside the router via SMB, directly specify the address. Multicasting is supported only within a local link (FF02::1).
- In an IPv6 environment without a DNS server, if a computer name is specified in the SMB server settings for SMB authentication, the authentication fails. Specify the IPv6 address directly for a computer name of the authentication server.

## Notes and Restrictions for Print E-mail

### ■ Print E-mail

The machine cancels receiving e-mails but does not display error codes when disk space is insufficient.

# Using the Telephone

This section describes how to use an external telephone connected to the machine with the Fax feature.

## Placing a Call

The following describes how to place a call using the external telephone.

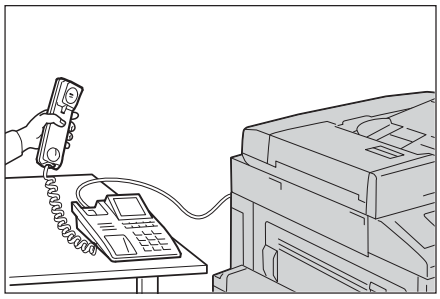
To place a call, the following two methods can be used:

- Dialing with the receiver lifted (off-hook dialing)
- Dialing with the receiver resting in the cradle (on-hook dialing)

### Off-hook Dialing

The following describes how to place a call with off-hook dialing.

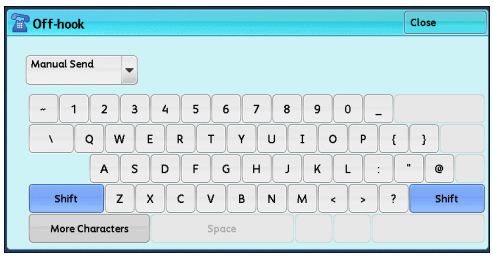
***1*** Pick up the receiver of the external telephone.



**Note**
- While the machine is in the Energy Saver mode, you cannot place a call using the external telephone. To place a call, press the <Energy Saver> button to exit the Energy Saver mode.

***2*** Specify the call destination.

- The call destination can be specified using the numeric keypad, address numbers, or one-touch buttons. The Address Book cannot be used.
- The call destination can be specified also with the keyboard displayed on the screen.




**Note**
- To disconnect the call, select [Close].
- If your telephone line is set to touch-tone, [Tone (:)] does not appear.
- If you want to send tones (or to use the touch-tone services) while using a pulse line, select [Tone (:)].
- Some touch-tone services may not be available even if you set your telephone to send tones.

***3*** When the call is connected, start speaking.

***4*** When the call is finished, place the receiver back in the cradle.

**Important**
- Be sure that the receiver is placed properly in the cradle. Otherwise, the line remains "busy".

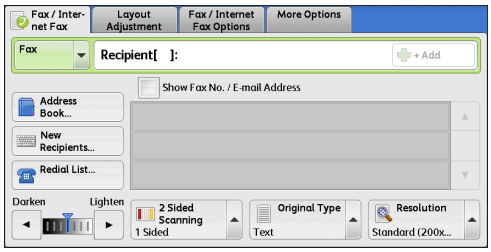
***5*** Select [Close].

## On-hook Dialing

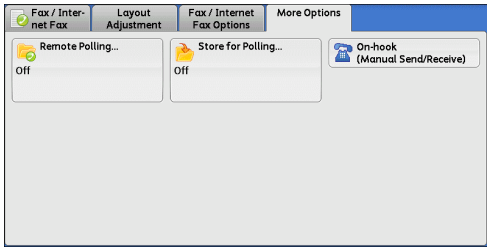
The following describes how to place a call with on-hook dialing. When placing a call, we recommend that you turn the line monitor volume to "Loud".

The volume of the line monitor can be changed in the System Administration mode. For more information on how to change the volume, refer to "Line Monitor Volume" (P.148). By factory default, the volume is set to [Normal].

*1* On the [Services Home] screen, select [Fax/ Internet Fax].

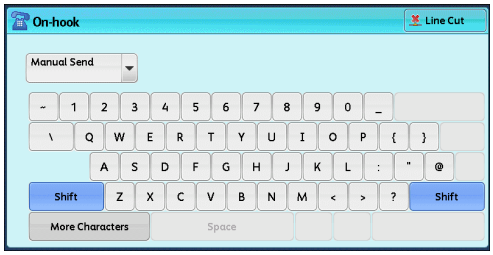



*2* Select [On-hook (Manual Send/Receive)] on the [More Options] screen.



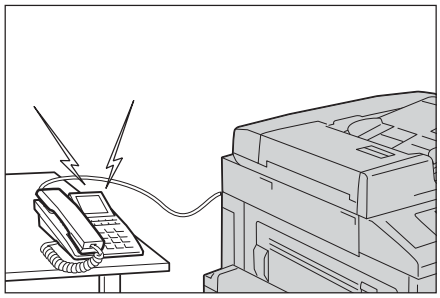

*3* Specify the call destination.

- The call destination can be specified using the numeric keypad, address numbers, or one-touch buttons. The Address Book cannot be used.
- The call destination can be specified also with the keyboard displayed on the screen.




**Note**
- To disconnect the call, select [Line Cut].
- If your telephone line is set to touch-tone, [Tone (:)] does not appear.
- If you want to send tones (or to use the touch-tone services) while using a pulse line, select [Tone (:)].
- Some touch-tone services may not be available even if you set your telephone to send tones.

*4* When the call is connected, lift the receiver and start speaking.



*5* After the call is finished, place the receiver back in the cradle.

**Important** • Make sure that the receiver is placed properly in the cradle. Otherwise, the line remains "busy".

# Activity Report

You can print activity reports to check whether a transmission is successfully completed or not. In the report, a remote terminal name and a result or a status of each operation are recorded by outgoing and incoming transmission.

**Note**
- The use of ApeosWare Log Management (purchase separately) or ApeosWare Accounting Service (purchase separately) allows you to import the contents of an Activity Report to a computer. For information on ApeosWare Log Management or ApeosWare Accounting Service, refer to the manuals provided with the software.

For information on how to print the activity report, refer to "Print Reports" (P.105).

| Item | Description |
|---|---|
| No. | The serial numbers for transmissions is shown. |
| Doc. | Job numbers that the machine automatically assigned to documents when the documents were received. |
| Remote Station | Information on recipient to which transmission is made is recorded in the following order of priority.<br><br>■ **Transmitting (speed dialing)**<br>1. Recipient<br>2. Remote terminal name<br>3. G3 ID (including spaces)<br>4. Tel. No.<br>5. Communication mode EC (or G3, SG3)<br><br>When IP Fax (SIP) is used:<br>1. Recipient<br>2. Remote terminal name<br>3. G3 ID (including spaces)<br>4. SIP address<br>5. Communication mode IP Fax or IP Fax-ECM |

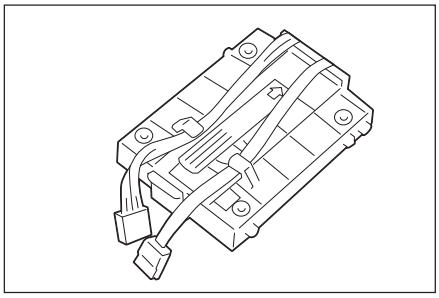
| Item | Description |
|---|---|
| Remote Station | ■ **Transmitting (when all digits are dialed)**<br>1. Remote terminal name<br>2. G3 ID (including spaces)<br>3. Tel. No.<br>4. Communication mode EC (or G3, SG3)<br><br>When IP Fax (SIP) is used:<br>1. Remote terminal name<br>2. G3 ID (including spaces)<br>3. SIP address<br>4. Communication mode IP Fax or IP Fax-ECM<br><br>■ **Receiving**<br>1. Remote terminal name<br>2. G3 ID (including spaces)<br>3. Communication mode EC (or G3, SG3)<br><br>When IP Fax (SIP) is used:<br>1. Remote terminal name<br>2. G3 ID (including spaces)<br>3. Communication mode IP Fax or IP Fax-ECM<br>**Note** • You can set the number of character digits displayed for the recipient whether the first 40 digits or the last 40 digits. For details on setting up, see "Activity Report - Recipient" (P.158). The factory default displays the first 40 digits. |
| Start Time | The date and time that the communication began are shown.<br>In Batch Send, the start time of the transmission for each document is recorded. |
| Duration | The duration of the transmission is displayed. In Batch Send, it is the length of time taken to transmit each document is recorded. |
| Pages | "-" is shown when the number of pages is 0.<br><br>■ **Transmitting**<br>The number printed on the left side of the slash "/" indicates the number of pages that were successfully transmitted. The number printed on the right side of the slash "/" indicates the number of total pages. In Batch Send, the number of total pages is not shown.<br><br>■ **Receiving/Polling**<br>The number of pages that the machine successfully received is shown.<br>**Note** • Depending on the transmission status on the recipient's machine or the setting of the machine, the value in [Pages] may differ from the actual number of pages printed. |
| Mode | The mode used for the communication is shown.<br>There are three modes: G3, EC, and SG3 (Super G3). (This field is blank if a mode other than above these was used.)<br>When IP Fax (SIP) is used:<br>IP Fax or IP Fax-ECM |

| Item | Description |
|---|---|
| Contents | The information about the communication is indicated.<br>See the Note field at the bottom of the report for a list of abbreviations and their definitions.<br><br>■ **Transmitting**<br>1. Remote service<br>2. Redial<br>3. Folder XXX<br>4. Broadcast/Multi-Poll<br>5. Polling<br>6. Relay Broadcast Assignment<br>7. Fax forwarding box XXX<br><br>When IP Fax (SIP) is used:<br>1. Redial<br>2. Folder XXX<br>3. Broadcast/Multi-Poll<br>4. Polling<br><br>■ **Receiving**<br>1. Folder XXX<br>2. Polling<br>3. Receiving line box XXX<br><br>When IP Fax (SIP) is used:<br>1. Folder XXX<br>2. Polling<br>3. Receiving line box XXX<br>**Note** • XXX indicates the Folder number. |

| Item | Description |
|---|---|
| Status | The result of the operation is indicated.<br>• Completed<br>The operation ended normally.<br>• Busy<br>The recipient is busy or did not answer.<br>• Auto Send<br>The document is being re-sent and the set re-send times has not been exceeded.<br>• Canceled<br>The communication was terminated.<br>• Check Remote Station<br>An error caused by the recipient or the line during communication.<br>• Send Again<br>The document must be re-sent because the re-send times have reached the maximum due to a transmission error.<br>• Receive Again<br>A polling request must be re-sent due to a polling reception error. Or, you must ask a sender to resend the document due to a reception error.<br>• Disconnected<br>Check that the line is properly connected.<br>When IP Fax (SIP) is used, check that the network cable is properly connected<br>• XXX-XXX<br>Error code<br>For more information on lines, refer to "2 Product Overview" > "Machine Components" > "Telephone line connectors" in the User Guide and for more information on XXX-XXX (error code), refer to "Error Code" (P.468).<br>For more information on how to connect network cables, refer to "Using the Ethernet Interface" (P.19) and for more information on XXX-XXX (error code), refer to "Error Code" (P.468). |
| Total | All pages received or sent are recorded. |

# Installing the HDD Extension Kit (Optional)

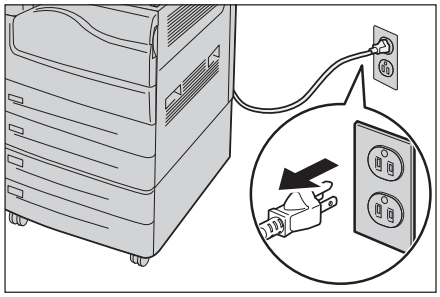
This section describes how to install the HDD Extension Kit (optional) to the machine.



***1*** Switch off the power, and then switch off the main power.

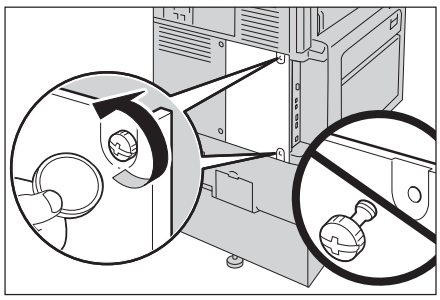
For information on how to switch off the power and the main power, refer to "2 Product Overview" > "Power Source" in the User Guide.

***2*** Unplug the power cord from the power outlet.

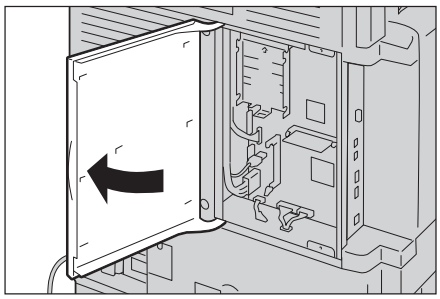


***3*** Loosen the two screws that secure the rear left cover to the machine.

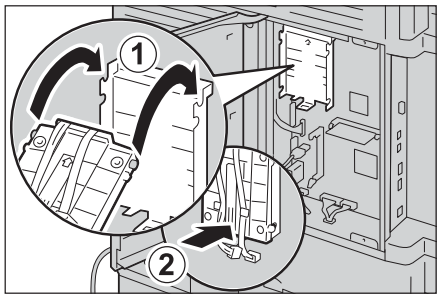
**Important** • Do not remove the screws, just loosen them.



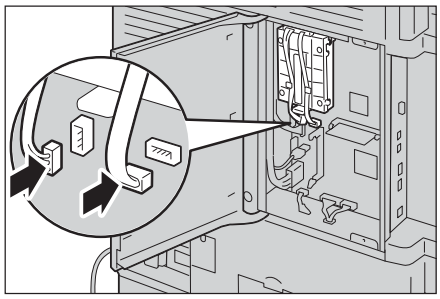
***4*** Open the rear right cover.



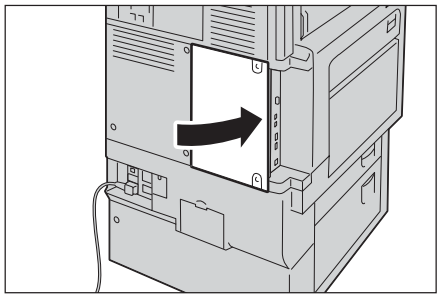
***5*** Align the tabs on both sides of the upper part of the HDD board with the slots on the machine (1), and then push the lower part of the board until it clicks into place (2).



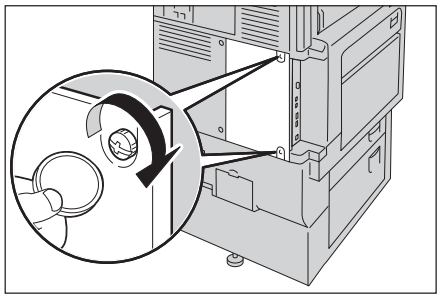

***6*** Insert the two connectors extending from the bottom side of the HDD board to each slot on the machine correctly.



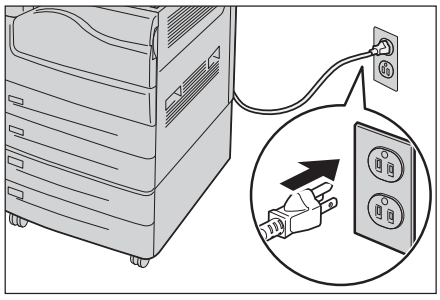
***7*** Close the rear right cover.



***8*** Tighten the two screws loosened in step 3.



***9*** Plug the power cord into the power outlet.



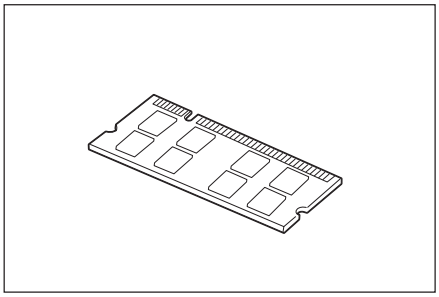
***10*** Switch on the main power, and then switch on the power.

For information on how to switch on the power and the main power, refer to "2 Product Overview" > "Power Source" in the User Guide.

# Installing the Extension System Memory (2 GB) (Optional)

The machine comes with 1G system memory. If you want to increase the system memory, replace the standard 1 GB memory card with the Extension System Memory (2 GB) (optional) as the machine has one slot for installing a memory card.

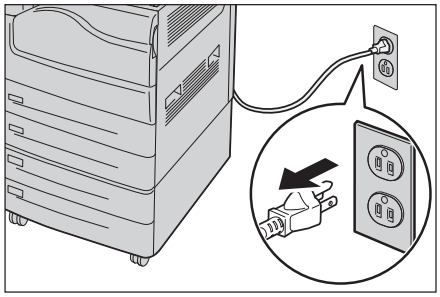
This section describes how to install the Extension System Memory (2 GB) to the machine.



***1*** Switch off the power, and then switch off the main power.

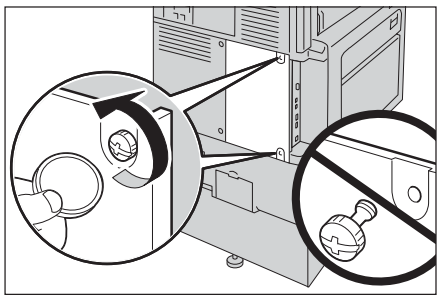
For information on how to switch off the power and the main power, refer to "2 Product Overview" > "Power Source" in the User Guide.

***2*** Unplug the power cord from the power outlet.

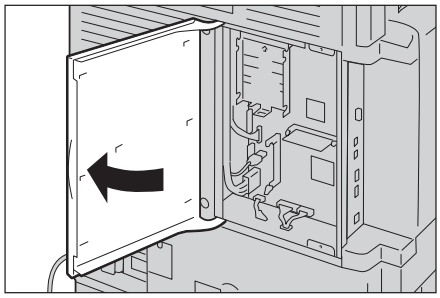


***3*** Loosen the two screws that secure the rear left cover to the machine.

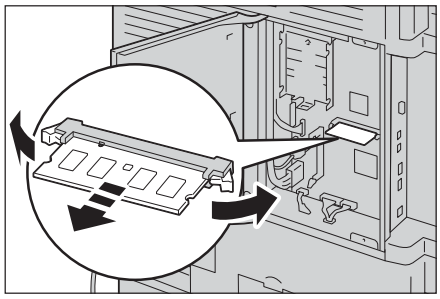
**Important** • Do not remove the screws, just loosen them.



***4*** Open the rear right cover.

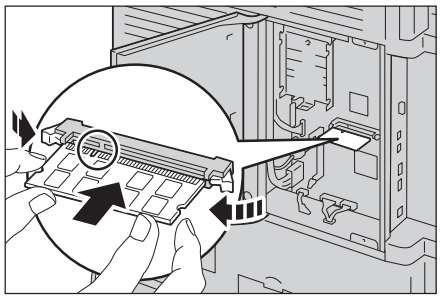


***5*** Remove the memory card already inserted. Push the retaining clips on both ends in the outward direction and pull the memory card straight out.



**Important** • When removing the memory card, be careful not to drop the card.

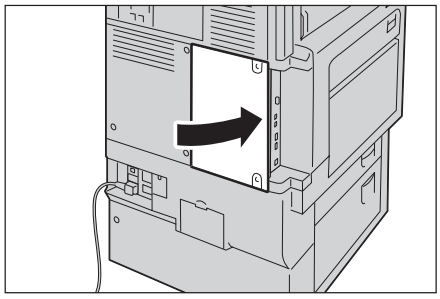
***6*** Insert a new memory card straight into the slot.



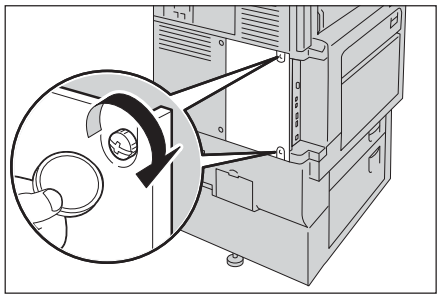
**Note** • Push the memory card as far as it can go to secure it.

• When the memory card is installed correctly, the retaining clips on both ends will snap into the locked position.

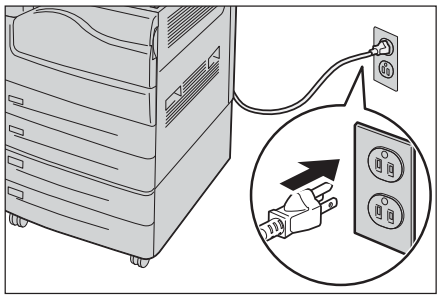
***7*** Close the rear right cover.



***8*** Tighten the two screws loosened in step 3.



***9*** Plug the power cord into the power outlet.



***10*** Switch on the main power, and then switch on the power.

For information on how to switch on the power and the main power, refer to "2 Product Overview" > "Power Source" in the User Guide.

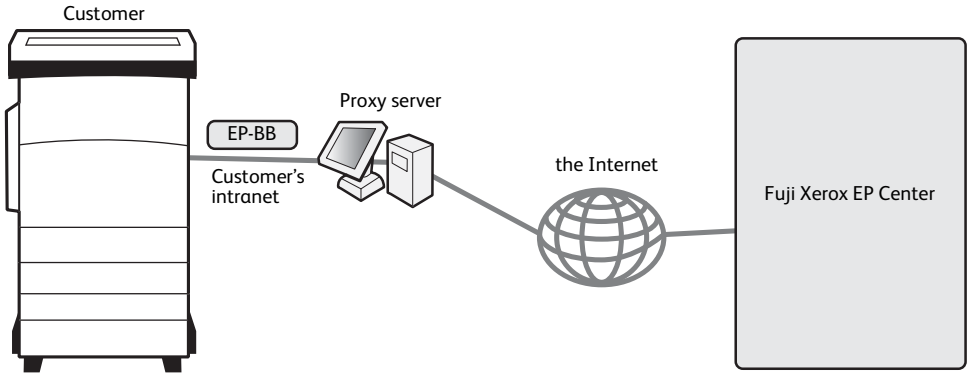
# EP System

Electronic Partnership (EP) is a system to automatically control or maintain the machine by connecting the machine and the EP center of Fuji Xerox.

You can use the EP system via the Internet.

The following describes how to use the EP system on the machine.

**Note**
- The services provided by the EP system are available only when the machine is switched on.
- The EP system may not be available in some regions. For more information, contact our Customer Support Center.




The following services are available for EP system:

### ■ Automated Meter Reading

The machine automatically reports the meter readings at a scheduled date and time every month. You can check the previous meter readings by selecting [Billing Information].

### ■ Check or Maintenance Request of the Machine

When a check or maintenance is required, the machine sends a check or maintenance request to our Customer Support Center. A service representative visits you as required. This operation should be performed by a system administrator.

### ■ Automated Alert Notification

When a problem occurs, the machine performs a self-diagnosis and automatically notifies the problem to our Customer Support Center.

A service representative visits you in response to the notification.

### ■ Timely Delivery of Consumables

The machine notifies us of the used amount of consumables such as toner cartridges. We send you consumables based on usage track records.

### ■ Remote Modification of the Settings

We can remotely change the machine settings as you request. For more information on each setting, contact our Customer Support Center.

### ■ Software Upgrade

When the software requires an upgrade, you can download a newer version of the software and upgrade it.

For information on software upgrade, refer to "Software Upgrade" (P.160).

# Glossary

| Term | Description |
|---|---|
| Border Limit<br>(Page split threshold value) | One more sheet is used when the length of the transmitted document exceeds the length of paper installed on the receiving terminal. A margin at the bottom of a received document can be eliminated so that the data can be printed on one page.<br>The amount of space that can be removed from the bottom of a document is the border limit. When the border limit value is small, the data is printed on the next page. But when it is large, a larger space can be cut so that data can be printed on one page. |
| Communication(s) | A communications network that can offer voice data (telephone), image data (fax), video data (videotex) and PC data (PC communication service) over the same channel.<br>In this guide, it is mostly referred to as transmitting/receiving images as well as speaking with a remote user. |
| Dial | In this guide, it refers to entering a recipient's fax number.<br>The method of dialing provided by the machine include: manual dialing using the numeric keypad, speed dialing, one touch dialing, and using the Address Book, etc. |
| Dial Tone | A tone generated from the telephone line. It indicates that you are connected to the line. |
| ECM | Error Correction Mode.<br>A type of G3 transmission. ECM transmission sends the document image data in segments and retransmits segments that the remote machine receives incorrectly.<br>"ECM" described on the [Activity Report] shows that the communication was processed using ECM. |
| Fax Gateway | Connects the Internet network to regular telephone lines, enabling e-mail documents to be sent as fax documents to regular fax machines. |
| Fax Server | A feature that transfers image data received by the machine to a Server Fax server and transfers image data received by a Server Fax server to the machine via a network based on the settings you made.<br>Using this feature enables you to manage multiple machines. |
| F Code | A transmission method defined by Communications and Information Network Association of Japan (CIAJ) for use of T.30* sub-addresses standardized by ITU-T. Between the machines with the F Code feature, including those manufactured by other companies, various features making use of F Code can be used. (*: Communication standard)<br>With the Internet Fax (Internet Fax) feature of the machine, you can use F Code to forward fax documents received in folders by e-mail. |
| F4800 | This refers to communicating with a remote terminal outside the country.<br>It is also one of the Transmission Mode selections that reduces transmission speed to enable reliable communications even under poor line conditions. |
| G3 | A facsimile communication system standardized by the advisory committee for International Telecommunications (CCITT, now the ITU-T). |

| Term | Description |
|---|---|
| Header | A record of the sender. It is printed on the top edge of a received document. |
| ICM | Image Color Matching.<br>A color management software used with Windows 2000, Windows XP, and Windows Server 2003. It corrects device-dependent color differences to match the colors printed on your output with the colors displayed on your screen. |
| Internet Fax | Unlike a regular fax machine, Internet Fax uses corporate networks or the Internet to send or receive e-mail (TIFF attachments). |
| Line Monitor | Allows you to audibly monitor a transmission through the speaker after dialing and until you are connected. |
| Local Device | This term refers to this machine. This is a general term for terminals such as telephones, facsimile machines, personal and computers. |
| Off-hook Dialing | Dialing with the handset off the hook. |
| On-hook Dialing | Dialing with the handset on the cradle. |
| Polling | A feature that allows you to retrieve a document from a remote machine. |
| Profile | A protocol controlling image resolution, paper size, and other attributes when sending or receiving faxes using Internet Fax (Internet Fax). The profiles that can be used vary with the Internet fax of the remote terminal. When specifying a profile, check that it can be handled by the other party's Internet Fax-enabled machine. |
| Recipient | The person or terminal you send a document to. "Dialing" indicates the operation of entering a recipient's telephone number.<br>For Internet Fax (Internet Fax), this refers to the recipient's e-mail address. |
| Remote Terminal | A terminal with which you want to communicate. This is a general term for terminals such as telephones, facsimile machines and personal computers. |
| Receiving Paper Size | A feature that specifies the output paper size for received fax documents. The specified paper size will be declared to recipients from the sender. |
| Send Password | This feature requires to enter an "S" and the ID of a remote terminal after entering its fax number. This prevents transmission errors. |
| Super G3 (SG3) | A G3 communication system conforming to ITU V.34.<br>This system offers higher transmission speed (33.6 kbps) than the normal G3 mode. |
| Transmission Interval | The period between transmissions. |

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