FUJIFILM

Apeos™

Reference Guide

Appendix

Apeos C3060
Apeos C2560
Apeos C2060

June 2023 GM1415E2-2 Edition1
FUJIFILM Business Innovation Corp.

1 Preface

A guide describing the emulation mode, direct print, web applications, troubleshooting, etc.

- This manual may not be edited, modified or copied in whole or part without the written consent of the publisher.
- Parts of this manual is subject to change without prior notice.
- The screen shots and the illustrations in this manual are used as examples. They may differ from yours depending on the model, the software, or the OS.

Refer to *Reference Guide - Main Unit* for trademarks and manual conventions.

2 Appendix

2.1 Emulation

When using the emulation mode, you can get the print results similar to those of other companies' printers.

Overview of Emulation Feature

This machine is compatible with following emulation mode.

Emulation mode	Printer to be emulated
ESC/P	LQ1900K II+
PCL	HP-CLJ5500 (color), HP-LJ4200 (black and white)
HP-GL	7586B or DJ750C Plus
HP-GL/2	DJ750C Plus

Note

- For details of each mode, contact your local representative.

Changing the print language

This machine is compatible with multi-emulation. Due to this, you can switch the corresponding print language.

Changing the command

There are commands to change the corresponding print language.

Automatic change

The machine analyzes the data received by the host interface and automatically identifies the print language.

Protocol dependence

You can fix the print language for each protocol (USB, IPP, LPD, Port9100, WSD).

Log in to Administrator Mode in Internet Services, and set Print Mode for each protocol in [USB] or [Protocols] of the [Network] tab.

Available font

User-defined characters (external fonts) can be used with ESC/P.

User-defined characters are registered as bitmap fonts and saved even after the power is turned off. Sharing between print languages is not possible.

Print function

Emulation mode	N Pages	Form	Barcode
ESC/P	Yes	Up to 64	Yes
PCL	-	-	Yes
HP-GL, HP-GL/2	-	-	-

N Pages

2 pages are available.

Form

You can register standard forms and print the registered forms by synthesizing them into print data.

Note

- If you try to register more forms than the maximum number of forms to be registered or if the form memory reaches full capacity, new forms cannot be registered.

Barcode

Barcode standards available for ESC/P are JAN code, CODE39, CODABAR, Industrial 2 of 5, Matrix 2 of 5, and Interleaved 2 of 5.

Barcode standards available for PCL are CODE128, Postal barcode, and QR code.

Output of Related List

Refer

- For details, refer to “Basic Operations” in *Reference Guide - Operations*.

Font

Available font can be confirmed by executing [Print] for [Font List] or [PCL Font List] in > [Device Status] > [Print Reports] > [Printer Reports].

Form

You can confirm the form by execute [Print] in > [Device Status] > [Print Reports] > [Printer Reports] > [ART IV, ESC/P User Defined List].

Barcode

You can confirm the method to specify commands by execute [Print] in > [Device Status] > [Print Reports] > [PCL Font List].

Associated Device Menu

Log in to Administrator Mode.

Emulation mode	[Port Settings]	[Allocate Memory]	[Delete Form]
ESC/P	Yes	Yes	Yes
PCL	Yes	-	-
HP-GL, HP-GL/2	Yes	Yes	-

Port Settings

Set in > [Device] > [Network Settings] > [Port Settings].

- Enable port (USB/LPD/IPP/Port9100/WSD)
  Launch the port to be used in the emulation mode.

Allocate Memory

Set in > [Device] > [App Settings] > [Print Settings] > [Allocate Memory].

Note

- If storage is attached, the settings cannot be changed.

Delete Form

Set the mode to delete forms in > [Device] > [App Settings] > [Print Settings] > [Delete Form].

Emulation Mode

The unique settings for each emulation modes can be changed in > [Device Status] > [Print Mode].

Note

- [Retrieve Programming], [Store/Delete Programming] and [Default Programming] are displayed on ESC/P, HP-GL/2.
- You can set these items also with Internet Services in the same procedure.

Retrieve Programming

Retrieve settings stored in the memory.

Programming

Enter the Item Number for the function in [Item Number] to display the current setting.

Enter the new value in [New Value] and tap on [Save] to change the setting.

Refer

- Refer to "Items" (P.13) for Item Number.

Store/Delete Programming

Store the current Items details in [Custom Settings] and delete stored memory.

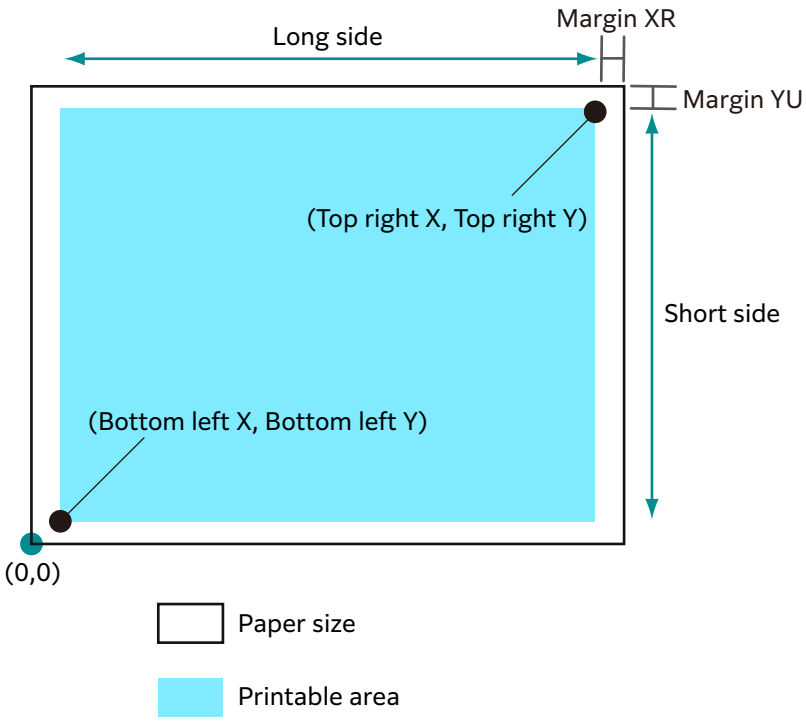
Default Programming

Set the default values.

HP-GL, HP-GL/2 Emulation-specific Matters

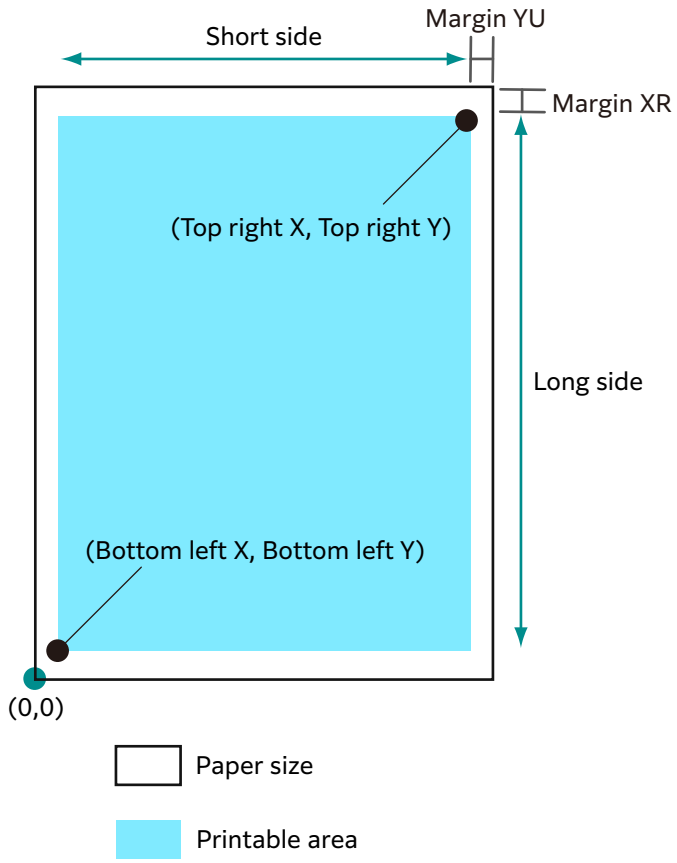
Printable area

■ **SEF**



Paper size	Paper length (1/7200″)		Coordinate value (1/7200″)							
	X direction	Y direction	Margin		Printable area		Top right corner		Margin	
	Length	Width	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
JIS B4	103176	72828	1260	1260	100656	70308	101916	71568	1260	1260
JIS B5	72828	51588	1260	1260	70308	49068	71568	50328	1260	1260

■ LEF



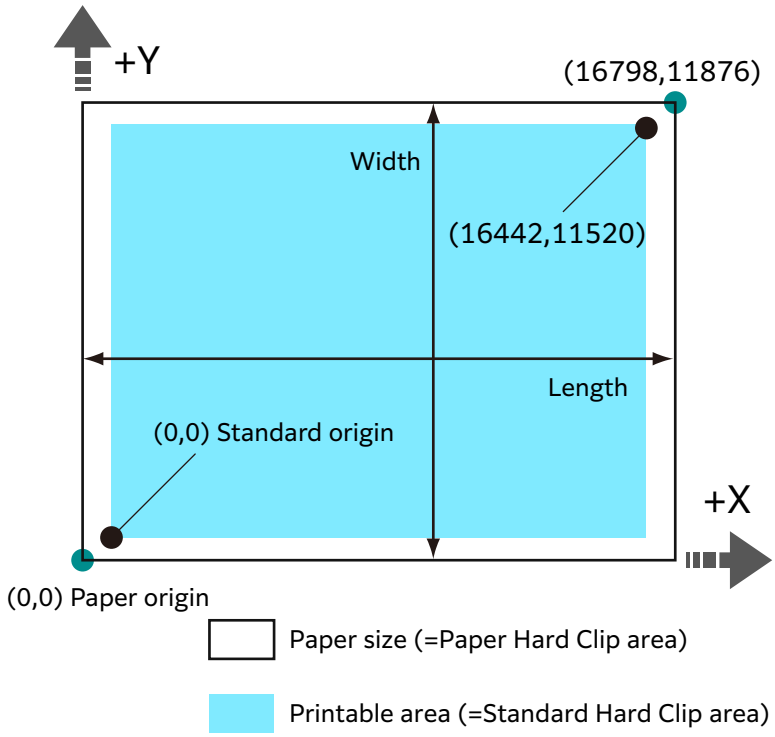
Paper size	Paper length (1/7200″)		Coordinate value (1/7200″)							
	X direction	Y direction	Margin		Printable area		Top right corner		Margin	
	Length	Width	Bottom left X	Bottom left Y	Long side	Short side	Top right X	Top right Y	XR	YU
A3	84168	119052	1260	1260	81648	116532	82908	117792	1260	1260
A4	59508	84168	1260	1260	56988	81648	58248	82908	1260	1260
A5	41940	59508	1260	1260	39420	56988	40680	58248	1260	1260
JIS B4	72828	103176	1260	1260	70308	100656	71568	101916	1260	1260
JIS B5	51588	72828	1260	1260	49068	70308	50328	71568	1260	1260

Hard Clip

Area determined by coordinates is called Hard Clip area.

Hard Clip area is determined by the printable area or paper size.

■ **When the size is A3 and the starting point is the bottom left**



Standard

Printable area of this machine is the Hard Clip area.

Paper

Same size as the paper is the Hard Clip area.

Auto Layout

Printed area is automatically determined based on the specified items, such as the document size and paper size.

[Original Size]

Set to [Auto Detect] when using Auto Layout.

[Auto Layout]

Reduce/enlarge the document data to fit the paper size.

[Zoom]

You can enlarge/reduce the printed area to fit the drawn object area in the paper size.

[Zoom Mode]

[Paper Size]	Document size is determined based on the drawn object area. Sizes to be determined are A sizes (6 types from A0 through A5).
[Coordinate Area]	Document size is determined based on the starting point of the drawn object area.

[Area Determine Mode]

[Auto]	Selected automatically. The priority order is [PS] -> [IW] -> [IP] -> [Adapted].
[IW]	Area specified by the last IW command within the data is the object area.
[IP]	Area specified by all IP commands is the object area.
[Adapted]	Object area is determined automatically.
[PS]	Area including the area specified by the PS command in the beginning is the object area.

Note

- The object area is determined in [Adapted] without a command.

[Paper Margin]

You can specify the margin.

[Pen Attributes]

You can specify the setting for the pen to draw the boundary lines for the Hard Clip area.

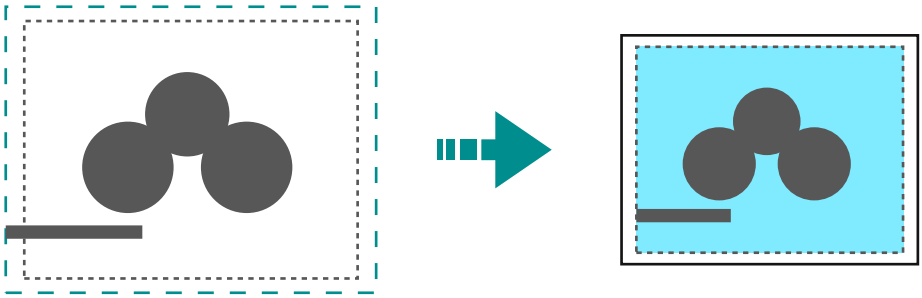
You can set 16 attributes from [Pen Attributes 0] to [Pen Attributes 15].

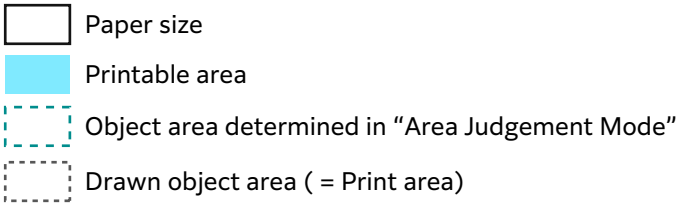
[Pen Width]	If reduced by the combination of [Original Size] and [Paper Size], the pen width is also reduced. Line width grows thicker from the center of the line. If the width is 0.0 mm, nothing will be drawn.
[Line End]	You can specify the end shape for the pen.
[Line Intersect]	You can specify how pen lines are processed when connected. **Note** • [None] has the shortest processing time and is suitable for checking. • If symbols are specified by symbol mode commands, connection process is not performed. Symbol mode commands refer to HPGL commands that specify symbols. • These settings are not valid for characters.
[Color]	Pen colors are specified with RGB. This setting is available for color printers.
[Density]	You can specify the pen intensity. This setting is available for black and white printers.

Item combination examples in Auto Layout

■ **[Zoom Mode]: [Paper Size], [Zoom]: ON**

Image is reduced/enlarged within the printed area and printed.

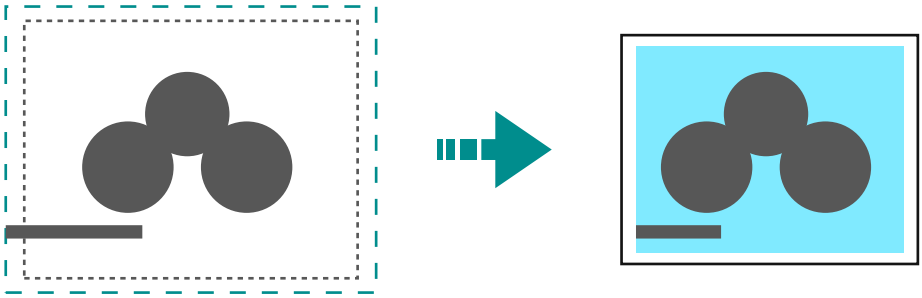


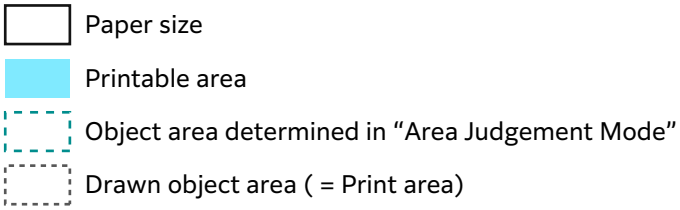


■ **[Zoom Mode]: [Paper Size], [Zoom]: OFF**

Image is printed in the actual size.

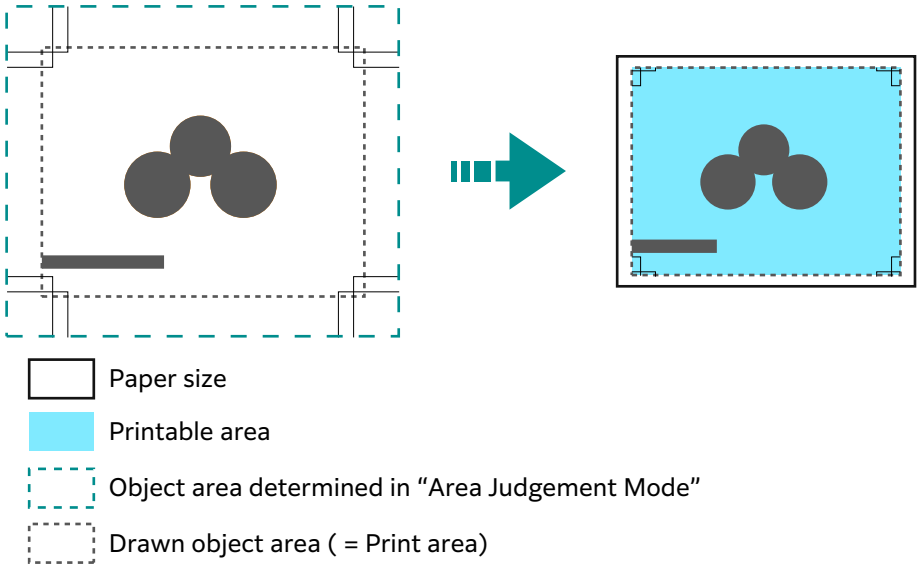
Due to this, areas larger than the paper size are not printed.





■ **[Zoom Mode]: [Coordinate Area], [Zoom]: ON**

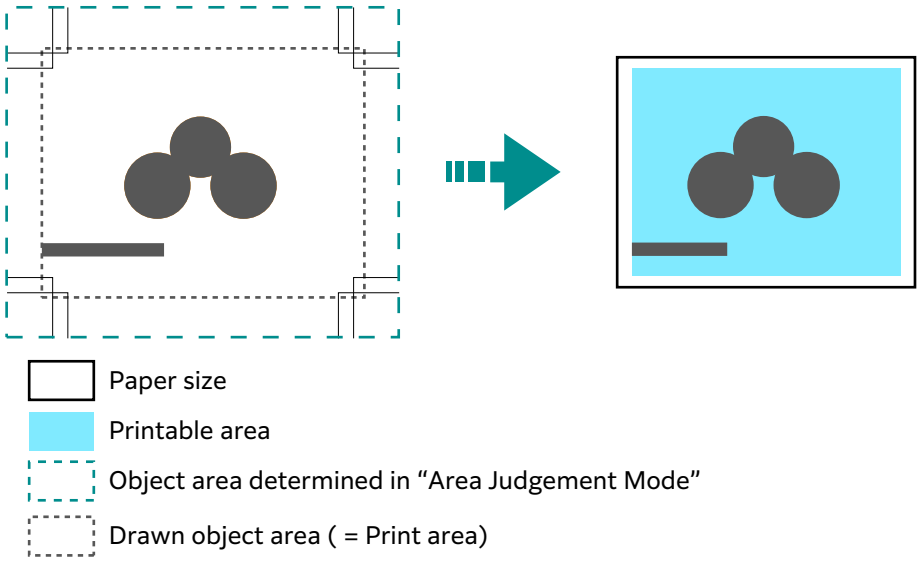
Image is reduced/enlarged within the printed area and printed.



■ **[Zoom Mode]: [Coordinate Area], [Zoom]: OFF**

Image is printed in the actual size.

Due to this, areas larger than the paper size are not printed.



How to determine the document size

1. **The largest value among the following values is added as the margin to the object area determined in [Area Determine Mode].**
   - Character size specified within the page
   - Default character size
   - Half of specified pen width
2. **“Object area determined in the area determination mode” + “added margin” - “specified paper margin” will be the drawn object area.**
3. **If [Zoom Mode] is [Paper Size], the document size is determined based on the drawn object area.**

   If [Zoom Mode] is [Coordinate Area], the document size is determined based on the starting point of the drawn object area.

■ Determination method example

If [Auto Layout] = ON, [Original Size] = [Auto Detect], [Zoom Mode] = [Paper Size], [Area Determine Mode] = [IP] and [Paper Margin] = 10 mm, and [Pen Attributes] of [Pen Width] = 0.1 mm

```
IN;
IP-8399,-5938,8399,5938;
IW-8399,-5938,8399,5938;
PU;
SP1;
:
:
SP0;
```

Note

- There is no character size specification command, and area specified by [IP] and [IW] is A3.

- **Determination method**

1. **Areas "-8399, -5938, 8399, 5938" specified by IP commands are the object areas.**
2. **There is no character size specification command, and the pen width is 0.1 mm, so half of the A3 size default character size height (75 plotter unit) is added to the object area.**
   Object area at this point: -8074,-6013,8474,6013
3. **Paper margin (10 mm) is removed from the object area.**
   Object area at this point: -8474,-5613,8074,5613
4. **Since the drawn object area (printed area) is greater than A4 and equal to or smaller than A3, the document size is A3.**

How to determine the paper size

■ If [Original Size] is [Auto Detect] and [Paper Supply] is [Auto Select]

- If [Zoom Mode] is [Paper Size] and the same size paper as the document size is loaded in the tray, the paper size is the same as the document size.
- If [Zoom Mode] is [Coordinate Area], the paper size is the object area determined in the area determination mode.

Note

- If the same paper size is not available, the following size is selected.
  - Exceeding the maximum size: Maximum size
  - Under the minimum size: Minimum size
  - Between the minimum and maximum sizes: Fitting size

How to determine the reduction rate

■ If [Original Size] is [Auto Detect] and [Zoom Mode] is [Paper Size]

Reduction rate is determined by the drawn object area and [Paper Size]. Hard Clip area is [Paper].

- If Auto Layout is [Auto Layout], the document is placed at the center of the paper.
- If the starting point is the bottom left or center, the starting points of the document and paper are aligned.
- If the reduction rate is less than 22.5% (such as A0 -> A5), it will be the actual size.

■ If [Original Size] is [Auto Detect] and [Zoom Mode] is [Coordinate Area]

Reduction rate is determined by the starting point of the drawn object area and paper size. Hard Clip area is [Normal].

Maximum scale value is 210.0%, and the minimum scale value is 22.5%.

Paper size	0°				90°			
	Minimum value		Maximum value		Minimum value		Maximum 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	24720	35733
JIS B4	6762	4723	63120	44088	4723	6762	44088	63120
JIS B5	4723	3297	44088	30773	3297	4723	30773	44088

Unit : Plotter unit

Items

Item descriptions are ESC=ESC/P, PCL=PCL, HP=HP-GL, and HP-GL/2.

Note

- You can set the items also in Internet Services.

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Document size	1	301	-	-	[0] : Postcard [3] : A3 [4] : A4 [5] : A5 [14] : JIS B4 [15] : JIS B5 [21] : 8.5 x 14" [22] : 8.5 x 13" [23] : 8.5 x 11" [24] : 11 x 17" [99] : Paper size [100] : Continuous paper (10 x 12") [101] : Continuous paper (10 x 11") [102] : Continuous paper (15 x 12") [103] : Continuous paper (15 x 11") **Note** • If continuous paper is specified, you cannot specify “paper position”.

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Document size	-	-	-	101	[0] : A0 [1] : A1 [2] : A2 [3] : A3 [4] : A4 [5] : A5 [10] : JIS B0 [11] : JIS B1 [12] : JIS B2 [13] : JIS B3 [14] : JIS B4 [15] : JIS B5 [99] : Auto [100] : Paper size
Paper size If “Paper supply tray” is “Auto” or “Tray 5 (bypass)”	2	302	-	-	[0] : Postcard [3] : A3 [4] : A4 [5] : A5 [14] : JIS B4 [15] : JIS B5 [21] : 8.5 x 14" [22] : 8.5 x 13" [23] : 8.5 x 11" [24] : 11 x 17"
Paper size If “Paper supply tray” is “Auto” or “Tray 5 (bypass)”	-	-	-	102	[3] : A3 [4] : A4 [5] : A5 [14] : JIS B4 [15] : JIS B5 [99] : Auto [101] : A size
Paper size If “Paper supply tray” is “Auto”.	-	-	202	-	[3] : A3 [4] : A4 [5] : A5 [14] : JIS B4 [15] : JIS B5 [21] : 8.5 x 14" [22] : 8.5 x 13" [23] : 8.5 x 11" [24] : 11 x 17" [25] : User defined paper [30] : 8K
Paper size If “Paper supply tray” is “Bypass tray”.	-	-	203	-	[3] : A3 [4] : A4 [5] : A5 [14] : JIS B4 [15] : JIS B5 [21] : 8.5 x 14" [22] : 8.5 x 13" [23] : 8.5 x 11" [24] : 11 x 17" [25] : User defined paper

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Paper supply tray **Note** • The number of trays differs depending on the model you use.	3	303	201	103	[0] : Auto [1] : Tray 1 [2] : Tray 2 [3] : Tray 3 [4] : Tray 4 [5] : Tray 5 (bypass) [6] : Tray 6 [7] : Tray 7 **Note** • "Auto" is specified and if the same size paper is loaded in multiple trays in the same paper direction, the paper is supplied in the order of Tray 1 > Tray 2 > Tray 3 > Tray 4 > Tray 6 > Tray 7. If the same size paper is loaded in multiple trays in different directions, paper loaded SEF is supplied first.
Coordinate rotation	-	-	-	104	[0] : 0 ° [1] : 90 °
Color mode **Note** • This setting is valid for color printers.	5	304	-	-	[0] : Color [1] : Black and white
	-	-	216	-	[0] : Auto [1] : Color [2] : Black and white
	-	-	-	105	[0] : Color [1] : Grey scale [2] : Black pen
Depth mode **Note** • This setting is valid for black and white printers.	-	-	-	105	[1] : Grey scale [2] : Black pen
Auto Layout	-	-	-	106	[0] : ON [1] : OFF
Palette priority specification	-	-	-	107	[0] : Command [1] : Panel
Number of outputs	8	305	-	108	[1] to [250] : 1 to 250 **Note** • If the client computer specifies the number of printed copies, the value is reflected and printed. After printing, the setting on the operation panel will also be this value. However, the number of copies specified by the lpd port does not change.
	-	-	212	-	[1] to [999] : 1 to 999

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Ejected to **Note** • The destination paper tray you can set differs depending on the model you use.	9	306	204	109	[0] : Top output tray/Center tray (lower level) [1] : Side tray [2] : Center tray (upper level) [33] to [42] : Mailbox bin 1 to 10 [68] : Stacker [69] : High capacity stacker [80] : Finisher tray [81] : Finisher ejection tray
2 sided	12	307	-	110	[0] : None [1] : Opened horizontally [2] : Opened vertically
	-	-	206	-	[0] : OFF [1] : ON
Binding method if 2 sided	-	-	217	-	[0] : Long side binding [1] : Short side binding
Paper direction	19	314	205	-	[0] : Vertical [1] : Horizontal
Paper position **Note** • This cannot be specified if “Continuous paper” is specified in “Document size”.	20	338	-	-	[0] : No cut sheet feeder (left) [1] : With cut sheet feeder (center) **Note** • If there is no cut sheet feeder, the number of lines specified by VFU is fed when FF (page break command) is received. If there is a cut sheet feeder, there will be a page break.

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Scale mode	54	321	-	-	[0] : Fixed scale [1] : Arbitrary scale [2] : Entire cut paper **Note** • Fixed scale" refers to the scale automatically calculated based on the specified "Document size" and "Paper size", and the printable area for the document size is printed to fit within the printable area of the paper size. Due to this, if the document size and paper size are the same, it is printed at 100% (scale). If the specification is two pages, two pages worth of the document size is printed to fit within the printable area of one paper size. • Arbitrary scale" refers to the scale specified in "Scale" > "Arbitrary scale". The reference value of the scale is the top left of the printable area. This is the reference point for all characters, images, and graphics. • The entire cut paper area is printed in the printable area. "Entire cut paper area" refers to the scale automatically calculated based on the specified "Document size" and "Paper size", and the physical paper size for the specified document size is printed to fit within the printable area of the paper size. • If continuous paper is specified in "Document size", "Fixed scale" and "Entire cut paper area" produce the same printing result.
Arbitrary scale/vertical scale	17	312	-	-	[45] to [210] : 45 to 210%
Arbitrary scale/ horizontal scale	18	313	-	-	
Grid	22	317	-	-	[0] : Image [1] : Font **Note** • You can specify the printing method for 2 byte grid font.
Default font	-	-	207	-	[0] : CG Times [1] : CG Times Italic [2] : CG Times Bold [3] : CG Times Italic Bold [4] : Univers Medium [5] : Univers Medium Italic [6] : Univers Bold [7] : Univers Bold Italic [8] : Univers Medium Condensed [9] : Univers Medium Condensed Italic [10] : Univers Bold Condensed [11] : Univers Bold Condensed Italic [12] : Antique Olive [13] : Antique Olive Italic [14] : Antique Olive Bold [15] : CG Omega

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Default font	-	-	207	-	[16] : CG Omega Italic [17] : CG Omega Bold [18] : CG Omega Bold Italic [19] : Garamond Antiqua [20] : Garamond Kursiv [21] : Garamond Halbfett [22] : Garamond Kursiv Halbfett [23] : Courier [24] : Courier Italic [25] : Courier Bold [26] : Courier Bold Italic [27] : Letter Gothic [28] : Letter Gothic Italic [29] : Letter Gothic Bold [30] : Albertus Medium [31] : Albertus Extra Bold [32] : Clarendon Condensed [33] : Coronet [34] : Marigold [35] : Arial [36] : Arial Italic [37] : Arial Bold [38] : Arial Bold Italic [39] : Times New [40] : Times New Italic [41] : Times New Bold [42] : Times New Bold Italic [43] : Symbol [44] : Wingdings [45] : Line Printer [46] : Times Roman [47] : Times Italic [48] : Times Bold [49] : Times Bold Italic [50] : Helvetica [51] : Helvetica Oblique [52] : Helvetica Bold [53] : Helvetica Bold Oblique [54] : CourierPS [55] : CourierPS Oblique [56] : CourierPS Bold [57] : CourierPS Bold Oblique [58] : SymbolPS [59] : Palatino Roman [60] : Palatino Italic [61] : Palatino Bold [62] : Palatino Bold Italic [63] : ITC Bookman Light [64] : ITC Bookman Light Italic [65] : ITC Bookman Demi [66] : ITC Bookman Demi Italic [67] : Helvetica Narrow [68] : Helvetica Narrow Oblique [69] : Helvetica Narrow Bold

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Default font	-	-	207	-	[70] : Helvetica Narrow Bold Oblique [71] : New Century Schoolbook Roman [72] : New Century Schoolbook Italic [73] : New Century Schoolbook Bold [74] : New Century Schoolbook Bold Italic [75] : ITC Avant Garde Book [76] : ITC Avant Garde Book Oblique [77] : ITC Avant Garde Demi [78] : ITC Avant Garde Demi Oblique [79] : ITC Zapf Chancery Medium Italic [80] : ITC Zapf Dingbats
Default symbol	-	-	208	-	[0] : Roman 8 [1] : ISO 8859-1 Latin 1 [2] : ISO 8859-2 Latin 2 [3] : ISO 8859-9 Latin 5 [4] : ISO 8859-10 Latin 6 [5] : PC-8 [6] : PC-8 DN [7] : PC-775 [8] : PC-850 [9] : PC-852 [10] : PC-1004 (OS/2) [11] : PC Turkish [12] : Windows 3.1 Latin 1 [13] : Windows 3.1 Latin 2 [14] : Windows 3.1 Latin 5 [15] : DeskTop [16] : PS Text [17] : MC Text [18] : Microsoft Publishing [19] : Math 8 [20] : PS Math [21] : Pi Font [22] : Legal [23] : ISO 4 United Kingdom [24] : ISO 6 ASCII [25] : ISO 11 Swedish : names [26] : ISO 15 Italian [27] : ISO 17 Spanish [28] : ISO 21 German [29] : ISO 60 Norwegian v1 [30] : ISO 69 French [31] : Windows 3.0 Latin 1 [32] : Windows Baltic [33] : Symbol [34] : Wingdings [35] : UCS-2
Font size	-	-	209	-	[400] to [5000] : 4.00 to 50.00 points
Font pitch size	-	-	210	-	[600] to [2400] : 6.00 to 24.00 points
Number of font lines	-	-	211	-	[5] to [128] : 5 to 128 lines

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Vertical position calibration	15	310	-	113	[0] : None [1] to [500] : - 250 to + 250 mm **Note** • You can specify the print position (or Hard Clip area).
Horizontal position calibration	16	311	-	114	
2 page mode	21	316	-	-	[0] : None [1] : Forward direction [2] : Backward direction **Note** • If horizontal is specified in “Document size”, the result is the same for both “Forward direction” and “Backward direction”.
Blank paper ejection **Note** • This is not reflected if extension command is sent.	51	318	-	-	[0] : None [1] : Yes **Note** • You can specify the blank paper ejection. • If “None” is selected, a blank page is not generated in 2 page print or 2 sided print. • Blank paper is ejected if there is space created with external fonts or white objects even if “None” is selected.
Print digit range	52	319	-	-	[0] : Standard [1] : Extension **Note** • You can extend the right margin position. • If the right margin position is specified with a command, the position becomes the right edge.
Image enhancement	53	320	213	163	[0] : OFF [1] : ON
Character grade	55	-	-	-	[0] : High grade [1] : Draft
Reduced character	56	-	-	-	[0] : None [1] : Yes **Note** • Characters can be reduced if alphanumerics are printed.
Page length	58	329	-	-	[0] : 11 inches [1] : 12 inches
1 inch perforation skip	59	-	-	-	[0] : None [1] : Yes **Note** • You can have 1 inch between each page. • This specification is enabled only if “No cut sheet feeder” is specified in “Paper position”.
Paper supply position	60	-	-	-	[0] : 8.5 mm [1] : 22 mm

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
CR function	61	325	-	-	[0] : Return [1] : Return line break **Note** • This is not reflected if extension command is sent. • This affects the print result of 8 bit dot image print command.
HP-GL mode	-	-	-	150	[0] : HP-GL [1] : HP-GL/2 **Note** • This affects IW, OW, and UC commands. • If printing HP-GL/2 commands not including BP commands, specify “HPGL/2”.
Hard Clip	-	-	-	151	[0] : Standard [2] : Paper
Ejection command	-	-	-	152 (SP)	[0] : OFF [1] : ON **Note** • You can specify the command to indicate the end of drawing. • Drawing is ended when the command specified here is received, and paper is ejected. • If multiple commands are specified, drawing is ended and paper is ejected when any of the commands is received.
	-	-	-	153 (SP0)	
	-	-	-	154 (NR)	
	-	-	-	155 (FR)	
	-	-	-	156 (PG)	
	-	-	-	157 (AF)	
	-	-	-	158 (AH)	
Scale	-	-	-	159	[0] : OFF [1] : ON
Scale mode	-	-	-	160	[0] : Paper size [1] : Object area
Area determination mode	-	-	-	161	[0] : Auto [1] : PS [2] : IW [3] : IP [4] : Adapted
Paper margin	-	-	-	162	[0] to [99] : 0 to 99 mm
Extension specification	62	330	-	-	[0] : Invalid [1] : Valid **Note** • Regular extension commands specify ESC, which is 1BH in hexadecimal notation, in the beginning, followed by “;” (semicolon = 3BH) as the extension to identify commands. If ESC codes and semicolons cannot be used on the host computer, specific alternate character strings can be used as extensions.

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Extension	63	331	-	-	[&%] : 0x21 to 0x7e **Note** • In order to be able to control with text codes, specify the extension of extension command (first 2 bytes). Enter 2 characters on the keyboard displayed on the screen.
Form composition **Note** • This is not reflected if extension command is sent.	64	332	-	-	[0] : None [1] to [64] : No.1 to No.64 **Note** • The form name displayed even after the form is deleted after specifying the form. In this case, the form is not composed.
Stapling	66	333	-	164	[0] : None [1] : 1 location on top left [2] : 2 locations on top [3] : 1 location on top right [4] : 2 locations on left [5] : 2 locations on right [6] : 1 location at bottom left [7] : 2 locations at bottom [8] : 1 location at bottom right
Bypass paper supply pause	67	335	-	165	[0] : None [1] : Yes
Punch	69	334	-	166	[0] : None [1] : Top [2] : Bottom [3] : Left [4] : Right
Number of punched holes	70	337	-	167	[0] : 2 holes [1] : 3 holes [2] : 4 holes
Binary data (command is entered in hexadecimal notation) specification character string	72	-	-	-	[0] : OFF [1] : &$%$ [2] : $?!#
0 font	73	326	-	-	[0] : 0 [1] : Ø
HexDump	-	-	214	-	[0] : OFF [1] : ON
Grey print	-	-	215	-	[0] : OFF [1] : ON

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Line end process	-	-	218	-	[0] : OFF [1] : Add LF at the end [2] : Add CR at the beginning [3] : CR-xx **Note** • With “CR-xx”, add LF at the end when CR and add CR at the beginning when LF/FF.
Default value for user defined paper size	-	-	219 (Short side)	-	[0] to [9999] : 0 to 999.9 mm
	-	-	220 (Long side)	-	[0] to [9999] : 0 to 999.9 mm
Effective number of outputs	74	339	221	115	[0] : Protocol specification [1] : Panel [2] : Command
Barcode mode	75	-	-	-	[0] : Regular mode [1] : Barcode mode **Note** • Barcode outlines are clearly printed in the barcode mode.
Applicable product	-	-	-	169	[0] : HP750C [1] : FX4036
Pen width	-	-	-	800 to 815	Item Number for No.00 is 800. [0] to [255] : 0 to 25.5 mm
Pen end shape	-	-	-	850 to 865	Item Number for No.00 is 850. [0] : Cut [1] : Round [2] : Rectangle
Pen connection shape	-	-	-	900 to 915	Item Number for No.00 is 900. [0] : None [1] : Cross [2] : Round [3] : Cut

Items	Item Number				Specification value
	ESC	PC	PCL	HP	
Pen color	-	-	-	950 to 965	Item Number for No.00 is 950. [0] to [255] : 0 to 255 (color) **Note** • This setting is valid for color printers.
Pen intensity	-	-	-	950 to 965	Item Number for No.00 is 950. [0] to [100] : 0 to 100 (intensity) **Note** • This setting is valid for black and white printers.

2.2 Direct Print

This function is used to print files directly by using lpr commands, etc. instead of a printer driver.

There are two types of PDF direct print, including Adobe genuine PDF direct print and PDF direct print provided by our company (PDF Bridge).

Note

- In order to use Adobe genuine PDF direct print, you need the Adobe® PostScript® 3™ kit.
- When using lpr commands, set > [Device] > [Network Settings] > [Port Settings] > [LPD] > [Port Status] to [Enabled].

Direct Print Mode Setting

The unique settings for each direct print modes can be changed in > [Device Status] > [Print Mode].

Note

- You can follow the same procedure for the PDF emulation mode with Internet Services.

Programming

Enter the Item Number for the function in [Item Number] to display the current setting.

Enter the new value in [New Value] and tap on [Save] to change the setting.

If you are printing a PDF file without using ContentsBridge Utility, our software, this setting becomes valid.

Note

- If you are printing a PDF file with ContentsBridge Utility, refer to [Support Tools/Manuals] > [Media Information] in *Software/Product Manual*.
- If you using ContentsBridge Utility, only “Print process mode” will be enabled.

Refer

- Refer to "Items" (P.25) for Item Number.

Password

If you set up a password, you can print PDF files secured with a password.

Note

- The password should be 32 or fewer alphanumerics or symbols.
- Depending on the PDF file security setting, the file may not be printable.

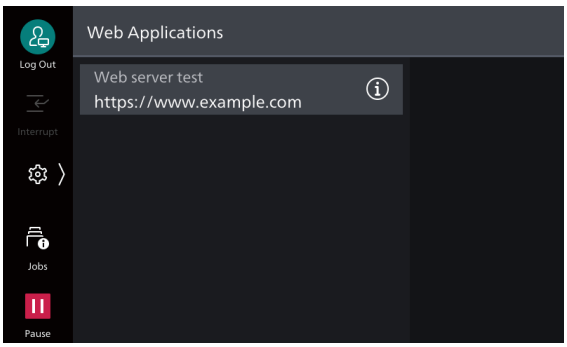
Items

Items	Item Number		Specification value
	PDF	DocuWorks	
Number of outputs	401	501	[1] to [999] : 1 to 999 **Note** • If printing using lpr commands, the specification of the number of outputs is made with lpr commands. Due to this, this setting will be invalid.
2 sided	402	502	[0] : None [1] : Long side binding [2] : Short side binding
Print mode	403	503	[0] : Standard [1] : High speed [2] : High resolution
Sort	404	504	Sort multiple copies by copy (1, 2, 3... 1, 2, 3...). [0] : None [1] : Yes
Layout **Note** • Setting of this item is enabled only if "PDF Bridge" is specified in "Print process mode".	405	505	[0] : Auto scale [1] : Catalog (bookbinding) [2] : 2 pages [3] : 4 pages [4] : 100% (scale) **Note** • "Catalog (bookbinding)" is enabled for PDF direct print. • Catalog (bookbinding) print is not valid with some page structures. In this case, it is printed in "Auto scale".
Paper size	406	506	[0] : Auto [1] : A4
Color mode **Note** • This setting is valid for color printers.	407	507	[0] : Auto [1] : Black and white
Print process mode **Note** • This is displayed when Adobe® PostScript® 3™ kit is equipped.	408	-	[0] : PDF Bridge [1] : PS **Note** • "Layout" setting becomes invalid if "PS" is specified.

2.3 Web Applications

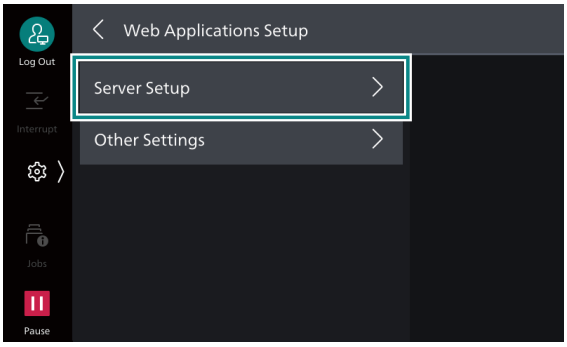
This function allows you to access Web servers via networks from the browser included with this machine in order to store or display data.

- Access an external service and display an external service screen linked with this machine
- Store a scanned document in a folder on a Web application linked with this machine
- Print a file stored in an external server

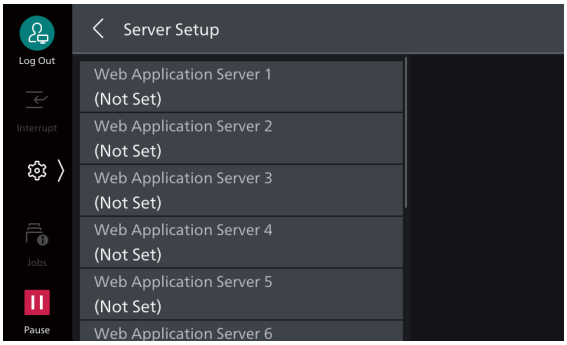


Server Setup

1. **Log in to Administrator Mode.**
2. **Tap on > [Device] > [App Settings] > [Web Applications Setup] > [Server Setup].**



3. **Select the server number to register.**

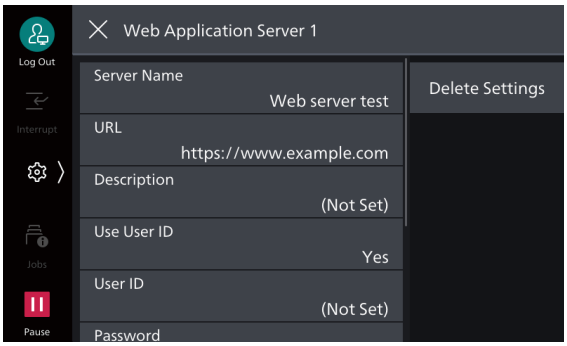


4. **Enter the server URL and tap on [OK].**

Note

- When connecting by specifying the Web browser version for Web Applications, specify the version between the protocol type (http, https, etc.) and the colon. For example, enter “http-v4:// www.example.com” for V4 connection.
- If you connect by specifying URL as the Web browser version, the setting for [Web Applications Version] will be invalid.

5. Specify the following items as necessary.



[Server Name]

Specify the displayed name for the connection destination.

[URL]

Server URL is displayed.

[Description]

Specify the description for the connection destination.

[Use User ID]

Specify whether or not to use user ID to access external services.

Note

- Even if you specify [No], user ID and password may be required at the time of access.
- If [Remote] is set to > [Device] > [Authentication/Accounting] > [Authentication/Security Settings] > [Authentication] > [Authentication/Accounting Settings], the machine accesses to external services using user information authenticated with the machine after selecting [No].
- You can specify whether or not to display authentication screen when accessing an external service in > [Device] > [App Settings] > [Web Applications Setup] > [Other Settings] > [When Sending User Details].

[User ID]

Specify the user ID for authentication in external services.

Note

- Depending on the external service, the setting may be invalid even if you specify [User ID]. Check the setting for the used external service.

[Password]

Specify the password for authentication.

[Notify Device/Authentication Info]

You can specify whether or not to notify the information to identify this machine and the certificate information of the user to the connection destination every time you connect to an external service.

Note

- Whether or not such information will be used is determined by the connecting external service, so you normally would not perform the setting on the operation panel.

[Notify Permission Information]

You can specify whether or not to notify the authorization information of the user to the connection destination every time you connect to an external service.

[Functional Code]

You can specify this as necessary when using the linked service with another device.

Server Certificate Verification

Configure the settings to verify the server certificate when connecting with an external server (ASP) in the same manner as the Windows web browser to prevent phishing attacks.

To verify a server certificate, the route certificate (CA certificate) for the route certificate agency issuing the server certificate is used.

Note

- CA certificate files are compatible with the following formats.
  - DER encoded binary X.509 format (.CER)
  - Base64 encoded X.509 format (.CER)
  - Cryptographic Message Syntax Standard - PKCS #7 certificate format (.P7B)

2.4 Encryption and Signature Function

Certificate

A certificate is required to use the encryption and signature functions.

To create/delete, import/export, or enable a certificate, use Internet Services.

Refer

- For details, refer to Internet Services help.

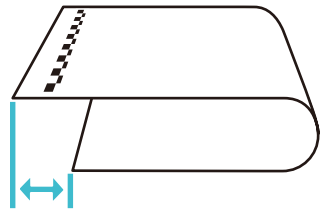
2.5 Booklet Fold Position Adjustment

Confirm the printed sample, measure the misalignment between the folding and staple.

Enter the misalignment value by referring to the image on the screen and the folding position is adjusted.

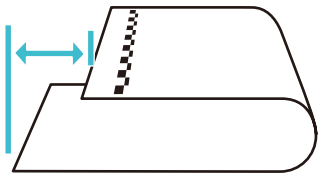
Fold Position

• If the page with the line is longer



Select [Left Side of Fold is Longer] and enter the amount of misalignment.

• If the page without the line is longer



Select [Right Side of Fold is Longer] and enter the amount of misalignment.

Staple Position

• If the page with the line has staples on it



Select [Left of Fold] and enter the amount of misalignment.

• If the page without the line has staples on it



Select [Right of Fold] and enter the amount of misalignment.

2.6 Troubleshooting

If you have an EP-BB MFD management service contract, the machine automatically sends an inspection or repair request to our Customer Support Center as needed. A service representative visits you in response to the notification as required.

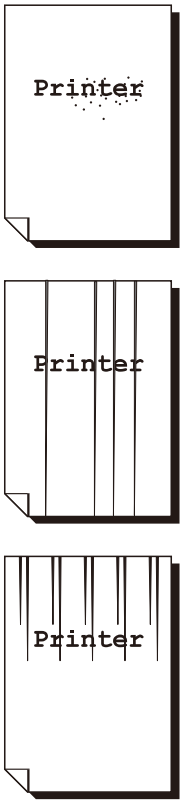
Machine Trouble

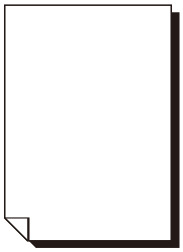
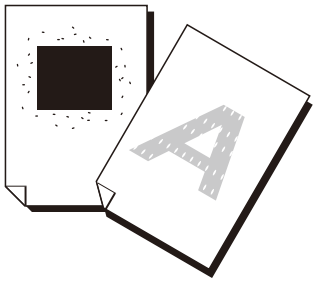
Symptom	Cause/Remedy
The machine is not powered on.	The power cord may have been unplugged or may not be firmly plugged in. Switch the machine power off, and then reconnect the power cord to the power outlet and the machine. Then switch the machine power on.
	Connect the machine to a power outlet that supplies the proper rated voltage or current.
The display is blank.	The machine may be in the Power Saver Mode. Press the Power button on the Control Panel to exit the Power Saver Mode.

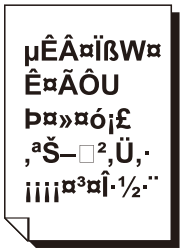
Symptom	Cause/Remedy
The printer makes an odd noise.	Install the printer on a level, sturdy surface.
	Push the trays firmly into the machine.
	There may be a foreign object inside the machine. Switch the machine power off, and then remove the foreign object inside the machine. If the object cannot be removed without dismantling the machine, contact your local representative.
Condensation has formed in the machine.	On the control panel, set the Sleep Mode trigger time to more than 60 minutes, and let the machine stand with its power on for 60 minutes. Before using the machine, make sure that no water droplets remain inside the machine (rollers, metal parts, etc.). If condensation occurs frequently, keep the machine power switched on by selecting > [Device]> [System Settings] > [System Clock / Timers] > [Warmer Mode] > [On] on the Control Panel. This may remedy the condensation.
The machine does not switch to the Power Saver Mode.	The machine does not enter the Low Power Mode or the Sleep Mode in the following cases to inform users on what is happening to the machine and provide its performance. • When the user is operating the Control Panel • When a message indicating to replace any one of the consumables is displayed • When the machine requires user operation for paper jams or open covers • When an error occurs due to machine failure • When the machine is executing the condensation prevention processing as the [Warmer Mode] is set to [On].

Image Quality Trouble

Symptom	Cause/Remedy
Output is too light (faded or unclear). 	The paper is not appropriate for the machine. Confirm the paper tray setting and load appropriate paper.
	The paper is damp. Replace the paper.
	Change the paper type setting and try printing again.
	No toner may be left in the toner cartridge. Confirm the remaining toner quantity, and replace the toner cartridge with a new one.
	Execute [Calibration] when printing or copying from the printer driver. For details, refer to "[Image Quality]" of *Reference Guide - Operations*.
	A drum cartridge or the fusing unit is damaged or has deteriorated. Depending on its condition, the drum cartridge or fusing unit may need replacement. Contact your local representative.

Symptom	Cause/Remedy
Black spots, black lines or color lines appear on output. Equally spaced smears appear on output. 	The paper path may not be clean. Print a couple of sheets or so.
	A drum cartridge or the fusing unit is damaged or has deteriorated. Depending on its condition, the drum cartridge or fusing unit may need replacement. Contact your local representative.
Printing can be rubbed off with your finger. Toner is not fused to the paper. Output is smudged with toner. 	The paper type of the selected paper tray is not appropriate. Change the paper type setting and try printing again.
	Some special types of paper cannot be fused. Replace with the appropriate paper.
	The paper is damp. Replace the paper.
	The fusing unit is damaged or has deteriorated. Depending on its condition, the fusing unit may need replacement. Contact your local representative.
The whole page is printed black. 	A drum cartridge is damaged or has deteriorated. Depending on its condition, the drum cartridge may need replacement. Contact your local representative.
	There may be something wrong with the high-voltage power supply. Contact your local representative.

Symptom	Cause/Remedy
Output is blank. 	Multiple sheets were fed at once. Fan the paper well and reload it in the tray.
	A drum cartridge is damaged or has deteriorated. Depending on its condition, the drum cartridge may need replacement. Contact your local representative.
	There may be something wrong with the high-voltage power supply. Contact your local representative.
Output is partially blanked-out. White streaks or color streaks appear on output. 	The paper is not appropriate for the machine. Load appropriate paper.
	The paper is damp. Replace the paper.
	The LED printheads inside the machine may be dirty. Clean the LED printheads.
	No toner may be left in the toner cartridge. Confirm the remaining toner quantity, and replace the toner cartridge with a new one.
	A drum cartridge is not installed correctly. Install the drum cartridge correctly.
	A drum cartridge or the fusing unit is damaged or has deteriorated. Depending on its condition, the drum cartridge or fusing unit may need replacement. Contact your local representative.
	A developing unit has deteriorated. If it is not improved even after cleaning the toner, replace a developing unit with new one. Contact your local representative.
White patches appear on output. Images are partially blanked-out. Toner is scattered around images. Images are bluish. 	Change the paper type setting and try printing again.
	Adjust the image transfer in ⚙ > [Device] > [Maintenance] > [Image Quality] > [Adjust Image Transfer] > [Enter Sample Number and Adjust]. If white patches appear, or output or images are partially blanked-out, lower the image transfer vale. If toner is scattered, raise the image transfer vale.
Text is smeared. 	The paper is not appropriate for the machine. Load appropriate paper.
	The paper is damp. Replace the paper.

Symptom	Cause/Remedy
Text is garbled. Printed output is not the same as the original data displayed on the screen. 	The machine is set to substitute TrueType fonts with the printer fonts. Set the printing method of TrueType fonts to [Always Use TrueType Fonts] under [Specify Font] on the [Advanced] tab of your printer driver.
Images are skewed. 	The paper guides are not adjusted to the correct positions. Adjust the paper guides to the correct positions.
The color tone is strange.	Execute [Calibration] when printing or copying from the printer driver. For details, refer to "[Image Quality]" of *Reference Guide - Operations*.
Print quality on postcards or envelopes is poor.	Unsupported postcards or envelopes are loaded in the machine. Load appropriate paper.
	Check whether the paper type setting on the printer driver properties screen or Control Panel is configured correctly.

Tray and Paper Feed Problems

Symptom	Cause/Remedy
Paper does not feed properly. Paper jams occur. Multiple sheets feed at once. Paper feeds skewed. Output is wrinkled.	Load the paper correctly. Before loading heavy media, such as labels or postcards, or envelopes, fan them well to allow air to enter between each sheet.
	The paper is damp. Replace the paper.
	Load appropriate paper. Paper may still wrinkle depending on its type and condition.
	Push the trays firmly into the machine.
	Install the printer on a level, sturdy surface.
	Adjust the paper guides to the correct positions.
	Do not add paper to a paper tray that still contains paper. Fan the paper loaded in the tray well and reload it into the tray. Add paper to the tray only when the tray is out of paper.

Symptom	Cause/Remedy
The machine does not correctly select a paper tray.	If the paper guides are not positioned correctly, the machine may not correctly detect the size of the paper loaded. Adjust the paper guides to the correct positions.
	Check whether the tray, paper size and paper type settings on the printer driver properties screen and Control Panel are configured correctly.
The paper is dogeared.	The paper is dog-eared if it is warped (curled). If the following does not solve the problem, replace the paper. • Flatten the paper to correct the warped page. • Turn the paper over. • If Tray 1, 2, 3 or 4 has been used, use the Bypass Tray instead of it.
The machine does not feed paper from the Bypass Tray.	[Automatically Select] is selected for the [Paper Tray] setting on the [Tray / Output] tab of the printer driver. Select [Tray 5 (Bypass)] or set the Bypass Tray for auto tray selection when [Automatically Select] is specified.
Lead edge of paper is folded over when the paper is fed from the Bypass Tray.	The paper is damp. Replace the paper. Reduce the paper loaded in the Bypass Tray to 30 sheets or less. Change the paper loading orientation. Feed paper from Paper Tray 1, 2, 3 or 4.

Trouble during Copying

Symptom	Cause/Remedy
The document is not correctly fed from the Document Feeder.	Check the minimum size of document that can be loaded on the Document Feeder and load appropriately sized documents.
	Do not feed irregularly sized documents, business cards, transparencies, or thin documents from the Document Feeder. In addition, do not feed documents with sticky tags, paper clips, adhesive tape, or staples.
	Adjust the document guides correctly to the document.
	When loading documents of mixed sizes, configure settings in [Mixed Size Originals]. Otherwise, a paper jam will occur. Set [Mixed Size Originals] to [On].
The copy is dirty.	Clean the document cover, document glass, film, or scanner glass.
	If the document is highly transparent, such as transparencies, place a white sheet of paper on top of the document when scanning.
	If the document is colored, rough, or a blueprint, the paper's background color is copied. Adjust the density or image quality, or specify to suppress the background when copying.
	Glossy printing paper easily sticks to the document glass, and shadows are sometimes copied, soiling the image. Place a transparent film such as a transparency, under the document when copying.
The copy is too dark or too light.	Copy black text. If you feel the printout is too light, select [Text] for [Original Type].

Symptom	Cause/Remedy
The color of the document and of the copy differ.	Execute [Calibration]. For details, refer to "[Image Quality]" of *Reference Guide - Operations*.
	Select an image quality type suitable for the document for [Original Type].
	Copy black text. If you feel the printout is too light, select [Text] for [Original Type].
Part of the image is missing on the copy.	If the paper is damp, replace the paper.
	Remove folded or wrinkled paper from the tray or replace the paper.
	If 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.	Stripes may be printed on the enlarged copies depending on the ratio. Adjust the copy magnification ratio.
The image is not copied to the desired size.	Clean the document cover or document glass.
	If the document is highly transparent, such as transparencies, place a white sheet of paper on top of the document when scanning.
	Load the document correctly.
	The document is a non-standard size Enter the document size before copying.

Trouble during Printing

Symptom	Cause/Remedy
The Note on status display lamp is blinking.	Check the error message displayed in the Control Panel and take action to resolve the error.
Unable to print.	Check whether the machine's IP address is set correctly.
	Check the data-reception control setting.
	The print data size transmitted at one time may have exceeded the upper limit of the receivable size of the machine. This can occur when the receiving buffer size setting is configured to [Spool to Memory]. Divide the print data into the size smaller than the maximum receivable size of the machine. If there are multiple pieces of print data, reduce the number of files to print at one time before printing.

Symptom	Cause/Remedy
Printing takes too much time.	The receiving buffer capacity may be insufficient. When printing high resolution documents, reduce the memory size of unused items in [Allocate Memory] on the Control Panel to increase the receiving buffer capacity. Increasing the receiving buffer capacity may improve the print processing speed. Adjust the receiving buffer capacity according to the print data capacity. Also, disabling an unused port and assigning the memory for other uses is recommended.
	The printing time may be shortened by changing the [Image Quality] setting on the [Image Options] tab of your printer driver to [Standard].
	Printing may take time depending on the printing method of TrueType fonts. Set the printing method of TrueType fonts under [Specify Font] on the [Advanced] tab of your printer driver.
	The printing speed might be lower depending on the paper type such as Heavyweight Paper or Coated Paper. Also, if the machine internal temperature exceeds a certain level during continuous operation, the machine lowers the print speed. If operation is still continued or the internal temperature rises further, the machine stops operation due to the error. In that case, switch the machine power off, wait for a while until the printer's internal temperature drops, and then switch the power on again.
[Printing.] is displayed even though no print job is directed (when using the USB interface).	If you have switched on the computer power after switching on the machine power, cancel printing.
Top section of printed document is missing. Images are not printed at desired positions.	Adjust the paper guides to the correct positions.
	Check whether the paper margin setting is correct with your printer driver.
	Adjust the print position in > [Device] > [Maintenance] > [Image Quality] > [Adjust Paper Registration].

Trouble during Faxing

Symptom	Cause/Remedy
A Transmission Report - Job Undelivered is output.	Check the "Transmission Results" in the Transmission Report - Job Undelivered and take an appropriate action. If an error code is displayed, refer to Error Code Search on our official website to take action to resolve the error.

Symptom	Cause/Remedy
Unable to communicate (general fax).	The machine is equipped with multiple 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.
	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. Confirm whether the connection device such as the terminal adapter or ONU is turned on.
	Match the line type set for this machine to the line type (PB/10 pps/20 pps) subscribed for the machine.
	The data cannot be sent if the fax machine of the recipient is turned off, is set to manual receiving mode, or does not support G3 reception. Paper might have run out or the memory might be full on the recipient's machine. Call the recipient to confirm the machine condition.
	Check the fax number and try sending it again. You cannot use "*" and "#" with fax numbers when using G3 DP (Dial Pulse).
	When calling from an extension line, the external access number is required. When dialing, dial the external access number such as "0", and then dial the fax number. When the switchboard is changed and you cannot send faxes by dialing the external access number "0", try the external access number "0*".
	In the case that you specified a recipient from the address book and appended the external access number when calling, it is possible that the external access number "0" has already been registered to the recipient's number listed in the address book. Confirm the telephone number of the recipient on the Transmission Report - Job Undelivered.
	The document data is too large in size. Lower the resolution to reduce the data size or send the document in several pieces.
	The document is too large in size. Change the size to the readable size or send the document in small segments.
	The fax network has problems. Enter two pauses ("-") after "161" or "162", and then dial the telephone number. Also, check whether a fax network contract has been concluded.
	When using a feature such as the Polling feature, confirm whether the destination fax supports the feature.
	When the Authentication/Accounting feature is used and you send a fax directly from the computer, set the correct user ID and passcode registered on the machine to the fax driver.

Symptom	Cause/Remedy
Unable to communicate (general fax).	Additional services for Lines 1 to 3 are not set correctly. Check the line contract (caller ID display and Dial-In) concluded with your telephone company and configure settings.
	The machine cannot receive a fax when switched off. Switch the machine power on.
	The machine cannot print received documents when no paper is set.
	Paper is jammed. Follow the instructions displayed on the Control Panel to remove the jammed paper.
	The machine cannot receive a fax in the Administrator Mode. Exit the Administrator Mode.
	When a reception password has been set, the machine accepts only data or polling fax sent with the correct reception password in F code.
	The machine is in manual receiving mode. Cancel the manual reception, or set the fax receiving mode to automatic receiving.
	To use the fax information service, set the receiving mode to the manual receiving mode on the on-hook or off-hook screen, enter an information code, and then tap [Start].
	The document is not loaded correctly on the sender's machine. Check the machine condition with the sender. During communication, errors may be caused by a problem with the sender's machine, not just by a problem of the machine.
Unable to communicate (IP fax (SIP)).	Set a correct IP address, subnet mask, and gateway address in the machine.
	Set a correct SIP address in the machine.
	Set a correct IP address of the SIP server in the machine.
	Confirm with your network administrator whether the SIP server is operating correctly.
	Registration of the machine information to a SIP server has failed. Switch the machine power off and then on.
	The data cannot be sent if the IP fax (SIP) machine of the recipient is turned off. Check the machine condition with the recipient.
	The method for specifying the recipient is incorrect. Specify the following recipient information. Neither a SIP server nor a VoIP gateway is used: Specify "SIP user name@IP address" in [Recipient]. Only a SIP server is used: Specify "SIP user name" or "telephone number" in [Recipient]. Only VoIP gateway is used: Specify "telephone number" in [Recipient]. Both SIP server and VoIP gateway are used: Specify "SIP user name" or "telephone number" in [Recipient].
	When using a feature such as the Polling feature, confirm whether the destination fax supports the feature.
	When the Authentication/Accounting feature is used and you send a fax directly from the computer, set the correct user ID and passcode registered on the machine to the fax driver.

Symptom	Cause/Remedy
Unable to communicate (IP fax (SIP)).	The number of simultaneous connections for IP fax (SIP) is one. The machine cannot send and receive at the same time. After reception of an IP fax (SIP) is completed, try sending it again. After transmission of an IP fax (SIP) is completed, request the sender to send it again.
	Enable the port for IP fax (SIP) of the network relay device (such as a switch, router, and firewall).
	If the reception IP address has been limited on the machine in the environment where the SIP server is used, add the IP address of the SIP server to the reception IP address.
	If the Ethernet cable has been unplugged for more than one minute, the registration succeeds when Register recovery on the SIP server is completed. No measure is required.
	The machine cannot receive a fax when switched off. Switch the machine power on.
	The machine cannot receive a fax in the Administrator Mode. Exit the Administrator Mode.
	When a reception password has been set, the machine accepts only data or polling fax sent with the correct reception password in F code.
Unable to communicate (IP fax (SIP) via VoIP gateway).	Register the correct VoIP gateway on the machine.
	Confirm with your network administrator whether the VoIP gateway is working properly.
	Confirm with your network administrator whether the VoIP gateway settings are correct.
	The destination G3 fax machine is not working properly. The data cannot be sent if the G3 fax machine of the recipient is turned off. Call the recipient to confirm the machine condition.
IP fax (SIP) transmission takes a long time.	Increase the value for [Prioritize IP Packets] of the machine according to your network environment.
	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 differ within the network. Use the same communication rate 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 parameters on the VoIP gateway for your network environment.
	IP fax (SIP) machine is connected to the data network if the telephone and data networks are operated separately. Configure the QoS setting for the entire network environment and control traffic. Set [Prioritize IP Packets] for QoS of the machine.

Symptom	Cause/Remedy
Communication/call, other than IP fax (SIP) communication, in the network is slow when IP fax (SIP) communication is executed.	Decrease the value for [Prioritize IP Packets] of the machine according to your network environment.
	IP fax (SIP) machine is connected to the voice network if the telephone and data networks are operated separately. Configure the QoS setting for the entire network environment and control traffic. Set [Prioritize IP Packets] for QoS of the machine.
The image quality is poor.	The document glass of the sender's machine is dirty, or the resolution setting on the sender's machine is set to low. Check the machine condition with the sender. During communication, image quality errors may be caused by a problem with the sender's machine, not just by a problem of the machine.
	If the image quality is poor after printing, refer to "Image Quality Trouble" (P.30).
	The drum cartridge is damaged. Copy a document. If the image quality is poor, replace the drum cartridge with a new one.
The one-page document is received split into multiple pages.	You can set the machine to process the received documents by using a combination of 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. • Auto Reduce on Receipt ON/Within border limit Automatically reduces image size and prints it on one page • Auto Reduce on Receipt ON/Exceeding border limit Splits data at an equal ratio and prints it • Auto Reduce on Receipt OFF/Within border limit Trims the portion exceeding standard size and then prints it • Auto Reduce on Receipt OFF/Exceeding border limit Splits data at an equal ratio and prints it
Although the Box Selector feature is set, the received document is printed, and cannot be stored in the folder selected by the received document.	An unregistered folder is selected on the Box Selector feature. Select a registered folder.

Trouble during Scanning

Symptom	Cause/Remedy
Operation terminates during scanning.	The file is too large in size. Lower the resolution, and import it again.
A Transmission Report - Job Undelivered is output.	Check the "Transmission Results" in the Transmission Report - Job Undelivered and take an appropriate action. If an error code is displayed, refer to Error Code Search on our official website to take action to resolve the error.
Unable to open the multi-page TIFF files or only the first page is displayed.	Multi-page TIFF files are formed by scanning multiple page documents. Install a TIFF Viewer compatible with multi-page TIFF.

Symptom	Cause/Remedy
Unable to open files though color documents have been scanned.	If the files are saved in TIFF format, they can be opened using TIFF Viewer. If you can view PDF in your environment, save the files in PDF format.
	Since files retrieved from Internet Services are converted into TIFF format, they can be opened using TIFF Viewer. If you can view PDF in your environment, save the files in PDF format.
Unable to send data over the network.	Specify [Server] correctly.
	Specify [Save Location] correctly.
	When [SMB] is selected, correctly specify [Share Name].
	The login name is not entered correctly. Check the login name you enter.
	The password is not entered correctly. Check the password you enter.
	The time set on the machine does not agree with that of Windows, when transmission is performed to Windows OS. Synchronize the time settings of the machine and Windows.
	On Windows OS, SMB transmission is attempted by users who do not set a password. Follow the steps below to change the settings of network access. **1.** Start Windows, and click [Control Panel] > [Administrative Tools] > [Local Security Policy]. **2.** Click [Security Settings] > [Local Policies] > [Security Options]. **3.** Change [Account: Limit local account use of blank passwords to console logon only] to [Disabled].
	The root of the DFS name space specified for SMB transmission is comprised of more than three characters. Specify a DFS name space with a root comprised of less than four characters.
	The access right to the specified storage location is not set correctly. Set the access right to the specified storage location correctly so that you can read and write the files and folders.
	The SMB port number is blocked. Check the destination server, the router between the MFD and the server, virus scanning software on the destination server, and firewall software to confirm whether the SMB port is blocked or not.
Black-and-white gradation is not reproduced as desired.	[Black & White] is selected for [Color Scanning]. [Grayscale] is selected for [Color Scanning].

Smart Card Registration Trouble

Error Code	Remedy
-	When a message that the user ID or password is incorrect appears, check the entered information and try again.

Error Code	Remedy
001, 003, 004, 007, 008, 009, 011, 012, 013, 017, 019, 035, 036, 051, 052, 053, 054, 065, 066, 067, 070, 071, 076, 080, 083, 084, 085, 086, 090, 092, 093, 094, 095, 097	Check if the LDAP server used for Login to Remote Accounts is set up correctly.
	Check the Active Directory settings.
002, 033, 089	Check if the LDAP server used for Login to Remote Accounts is set up correctly.
087	Check if the LDAP server used for Login to Remote Accounts is set up correctly.
	Check that [Attribute of Entered User Name] or [Attribute of Login User Name] is correct.
016, 018, 032, 048, 049, 150, 151	Check the user ID and password and then enter them again.
	Check if the LDAP server used for Login to Remote Accounts is set up correctly.
	Check if the information of the corresponding user is registered to Active Directory.
	Check if the user is a valid user in Active Directory.
	Check if the password has been expired in Active Directory.
	If the password must be changed at initial login as configured in Active Directory, access to Active Directory from a device such as a computer to change the password.
021, 034	Check the user ID and password and then enter them again.
	Check if the LDAP server used for Login to Remote Accounts is set up correctly.
	Check if the password has been expired in Active Directory.
	If the password must be changed at initial login as configured in Active Directory, access to Active Directory from a device such as a computer to change the password.
050	The user trying to register the Smart Card does not have the write privilege to the Active Directory server. Set the read and write privileges so that the user can modify his or her own information.
081, 091	Check if the LDAP server used for Login to Remote Accounts is set up correctly.
	Check the Active Directory server is powered on.
	Check the Active Directory settings.
	Check that the device is connected to a network.
110, 202, 704	Register again from the beginning.
122	Check the user ID, and then enter it again.
201	Enter the ID and password again.

Error Code	Remedy
301	Check the following and register again from the beginning. • Set a password between 4 and 12 characters. If you do not wish to set a password, leave the field blank. • Set a user ID within 32 single-byte characters. • Set an e-mail address comprising of alphanumeric characters and symbols within 128 characters in total.
302, 303, 304	Request to your system administrator to delete the user information, and then register again.
307, 308, 308, 309, 404, 500, 600, 707, 900 to 999	Restart the machine. If the error still is not resolved, contact your local representative.
401, 706	Ask the system administrator the initial settings.
702	Request to the smart card administrator to check your smart card.
705	Log out with the Log In/Out button.
710	Request to your system administrator to check the authentication settings.
711	Change the user ID.
801, 802	Contact your local representative.
1002, 3061	Log out with the Log In/Out button and try again.
3060, 3065	Wait for a while, and then try again.
3062	Log out, hold up the Smart Card, and launch the Smart Card Registration.
3063	Ensure that the multifunction device is not running a job or an interrupt is not outstanding, and try again.
3064	Log in as the system administrator and start the Smart Card Registration again.

Updatings for Add-on Application Trouble

Message	Measure
Unable to connect to server Check network settings Some services cannot be connected Check your network settings, proxy settings, and filtering software settings.	A communication error occurred when connecting to the server using the Internet. Check the following items. • LAN cable connection • DNS server address settings • Default gateway settings • Subnet mask settings • Proxy server settings Also, if connection is blocked by any filtering software, unblock the software. If the status does not improve after checking the above settings, there is a possibility of a network failure, or a proxy server setting change or failure. Please consult your network administrator.

Message	Measure
Service is not available.	Please wait for a while and try again.
Please wait for a while and try again	
An error has occurred	
Download failed	
Please try again.	
If the symptom does not change, try power off and power on.	Restart and then try again
Cannot be installed on this model	The corresponding add-on application cannot be installed.
Cannot be installed (invalid version)	The corresponding add-on application cannot be updated.
A version inconsistency has occurred	An inconsistency occurred with a module shared by two or more add-on applications. Updating of an add-on application that the software attempted to or update is not possible.
XXX is already installed.	The add-on application cannot be installed because it conflicts with other add-on applications.
Please install after deleting XXX	Delete the corresponding add-on application.

ScanAuto Trouble

When detail information for this feature is required upon contacting us, tap on ⚙ on the left top of the screen and check the content information from [About].

Message	Cause/Remedy
The selected feature is unavailable.	Turn off the multifunction device, make sure that the touch screen is blank, and then turn on the multifunction device again. If the error still is not resolved, contact your local representative.
An error has occurred in the system or in this feature. Contact your System Administrator.	
Failed to obtain your email address. This feature requires a successful retrieval of the user's email address upon login.	For the system administrator, set an e-mail address in [Email Address] under ⚙ > [Device] > [Authentication/Accounting] > [Authentication/Security Settings] > [Authentication] > [Create/View User Accounts].
You do not have access to this feature.	For the system administrator, cancel the [Scan] restriction in [App Access] under ⚙ > [Device] > [Authentication/Accounting] > [Authentication/Security Settings] > [Authentication] > [Create/View User Accounts].

Message	Cause/Remedy
Unable to start. You have reached your scan limit. Contact your System Administrator.	For the system administrator, take one of the following measures: • Reset the scan limit in [Reset Total Impressions] under ⚙ > [Device] > [Authentication/Accounting] > [Authentication/Security Settings] > [Authentication] > [Create/View User Accounts]. • Increase the maximum number of allowed pages for the Scan service in [App Access] under ⚙ > [Device] > [Authentication/Accounting] > [Authentication/Security Settings] > [Authentication] > [Create/View User Accounts].
Unable to start. You do not have access to this feature.	For the system administrator, take one of the following measures: • Cancel the [Scan] restriction in [App Access] of the user under ⚙ > [Device] > [Authentication/Accounting] > [Authentication/Security Settings] > [Authentication] > [Create/View User Accounts]. • Create the user's account in [Reset Total Impressions] under ⚙ > [Device] > [Authentication/Accounting] > [Authentication/Security Settings] > [Authentication] > [Create/View User Accounts].

2.7 Setting Restore Tool

This function is used to backup setting data, etc. in computers connected through networks in case data is lost due to the machine's storage malfunction.

Download the setting restore tool from our official website.

https://fujifilm.com/fbglobal/eng/support

2.8 License

This product contains open source software, for which third parties own the rights (hereinafter referred to as “OSS”). For applied license to each OSS, copyright display and individual license conditions, you can confirm in [Support] > [Download OSS License Information] of Internet Services.

This product contains software consented based on OSS licenses, such as GNU Library General Public License 2.0.

If you wish to obtain the source code for the target software based on the OSS license, you can do so from the site below.

https://www.fujifilm.com/fb/etc/oss/mfp/apeos_4570/v1_0

2.9 Job History

- The page count obtained in the job history and the meters and counters on the machine may not match. Use the acquired data as a guide.
- The job history may be lost due to troubles of the machine or due to storage replacement or initialization. The lost job history cannot be restored.
- If the number of job histories exceeds the default number, old histories will be deleted. To prevent job history from being missed, shorten the collection interval.