

ComColor FT Series

5430/5430R/5230/5230R/5231/5231R/
5000/5000R/2430

ComColor^{black} FT Series

1430/1430R

This guide describes total operation features
and specifications.

User's Guide

ComColor FT Series

Model: 67A01/67A03/67A04/67A05/67A06/67A07

This Product Contains RFID (Radio Frequency Identification) System

Model: 050-34901

Contains FCC ID: RPARFR6

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The user is cautioned that unauthorized changes or modifications not approved could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Contains IC: 4819A-RFR6

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-3(B)/NMB-3(B)

Perchlorate Material-special handling may apply,

See www.dtsc.ca.gov/hazardouswaste/perchlorate

This product may contain certain substances which are restricted when disposed. Therefore, be sure to consult your contracted service dealer.



RE directive Class1 device

This device is compliant with the substance emission inspections of the German environmental label "RAL-UZ205".



CAUTION

Be sure to read this guide prior to use.
After reading this guide, keep it in handy for future reference.

About This Guide

Preface

Thank you for using a ComColor FT Series product.

This ComColor FT Series product is a network-compatible inkjet printer that performs high-speed, color printing.

This machine is equipped with a variety of functions designed to meet various customer needs, such as the ability to print the data and monitor printer operations from a computer.

In addition, using the machine with the optional scanner provides additional functions such as copying originals, saving and using the scanned data, and copying multiple originals scanned with different settings as one job.

The following manuals are included with this machine.

● Quick Guide

This guide describes basic machine operations and how to replace consumables.

Keep this guide handy, such as near the machine, for easy reference.

● User's Guide (this guide)

This guide describes handling precautions and specifications, as well as the operations and settings of each function.

Read this guide for a more detailed understanding of the machine.

● Administrator's Guide

This guide describes the machine settings and optional equipment (IC card reader, scanner, etc.) to be configured by the administrator.

● Troubleshooting Guide

This guide describes the actions to take when a paper jam or other problem occurs.

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Symbols, Notations, and Screenshots Used in This Guide

■ Symbols Used in This Guide



Indicates cautions that should be noted for safe use of this machine.



Indicates important items that should be noted or are prohibited.

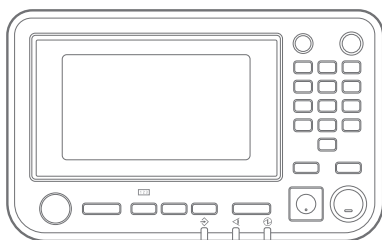


Indicates useful or additional information.

■ Names of Keys and Buttons

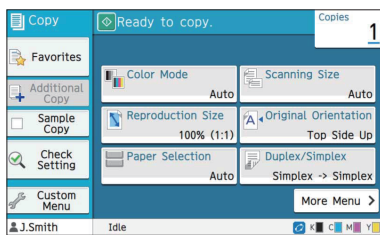
The names of hard keys on the operation panel and buttons/items on the touch panel screen or computer window are indicated with square brackets [].

● Operation Panel



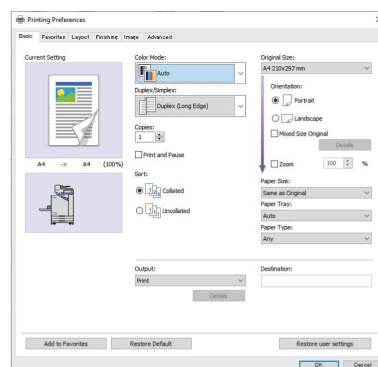
Example: Press the [Stop] key.

● Touch Panel Screen



Example: Touch [Color Mode].

● Computer Window



Example: Select the [Mixed Size Original] check box.

■ Names of Optional Equipment

In this guide, the names of the optional equipment are described using a generic term as shown below. The specific name for each item of equipment is used when its unique features are explained.

Name Used in This Guide	Optional Equipment
Stacking tray*	Wide stacking tray Auto-control stacking tray

* Optional stacking tray connected to the right side of the machine.

■ Illustrations and Operating Procedures in This Guide

- The operating procedures, screenshots, and illustrations in this guide are for the ComColor FT5430 with the optional scanner connected. This guide also assumes that each function is set to the factory setting, and that [Login Setting] is set to [ON].
- The screenshots and illustrations in this guide may vary depending on the machine model and usage environment, including the connected optional equipment.

For ComColor FT2430 and ComColor black FT1430/FT1430R Users

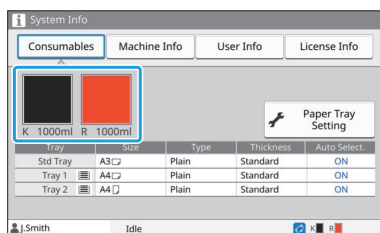
The ComColor FT2430 uses black and red ink, and the ComColor black FT1430/FT1430R only uses black ink. This guide includes information for a full-color printer. The operating procedures, screenshots, and illustrations in this guide are for the ComColor FT5430 with the optional scanner connected. Note that some functions and screen displays are different from those of the full-color printer.

Screen Displays

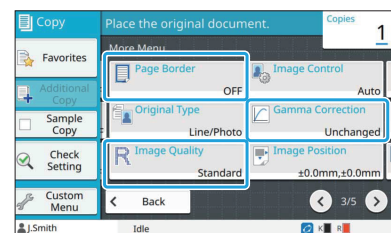
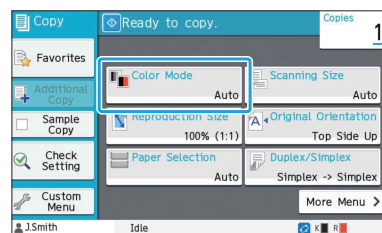
The screen displays for some functions may vary or may not be displayed, due to the different number of colors available for printing.

Touch Panel

Remaining ink indicator on the [System Info] screen

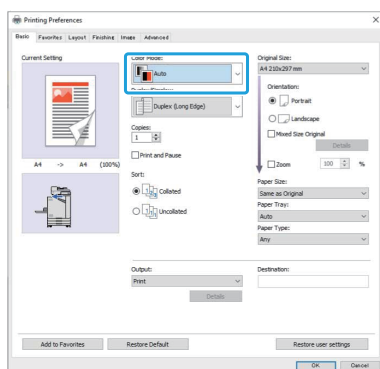


[Color Mode], [Page Border], [Image Quality], or [Gamma Correction] for the copy function

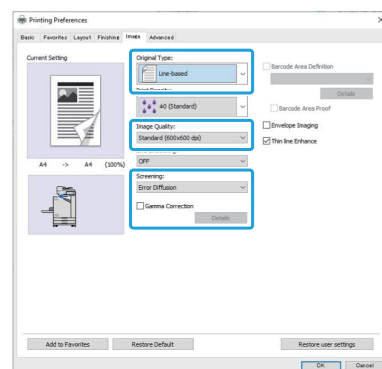


Printer Driver

[Color Mode] in the [Basic] tab

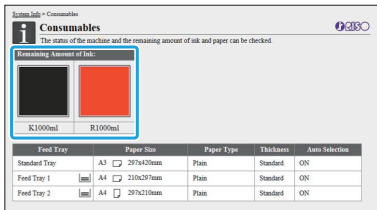


[Original Type], [Image Quality], [Screening], or [Gamma Correction] in the [Image] tab



■ RISO Console

[Consumables] screen



Color profile

The ComColor FT2430 expresses full-color originals in two colors, black and red. Non-reddish colors are automatically converted to black. A sample result of printing a full-color original with [Dual Color] or [Auto] is shown below. Warm colors such as orange and yellow are printed with red ink, and cool colors such as blue and green with black ink.



- To ensure that the printed colors are consistent with those of the original, it is recommended that you create the original in black and red before printing.

Functions Made Possible by Installing Optional Equipment

A variety of optional equipment is available to expand the functionality of this machine. The list below shows the optional equipment that is required to expand each function. For more information, see "Optional Equipment" (p.165).

Function to Expand	Optional Equipment Required (Select one of these)
Staple	Face Down Finisher Multifunction Finisher
Punch	Multifunction finisher with the punch unit installed
Bi-fold	Multifunction finisher
Tri-fold, Z-fold	Multifunction finisher with the folder unit installed
Creating the booklets with saddle stitch stapling	Multifunction finisher
Offset output	Face Down Finisher Multifunction Finisher
Output tray selection	Multifunction Finisher Auto-control stacking tray Wide stacking tray
Automatic switching of output tray (output tray relay)	Multifunction Finisher Auto-control stacking tray
High capacity feeder	Additional tray
Login with authentication card	IC card authentication kit IC card reader activation kit
Printing with PostScript 3 printer driver	PostScript kit
Printing PDF files saved on USB flash drive	PostScript kit
Printing from Mac OS	PostScript kit
Printing from tablet or smartphone using RISO PRINT-S application	PostScript kit

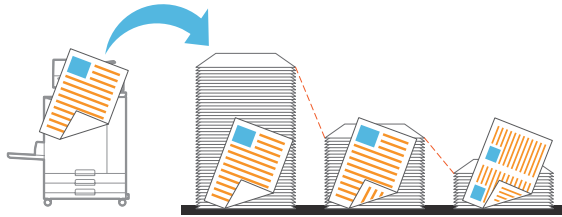
PS Kit FG10 is not supported in some regions.

What You Can Do With This Machine

Conserve paper when printing

**Duplex / Simplex (p.62, p.104),
Combine (p.65, p.109)**

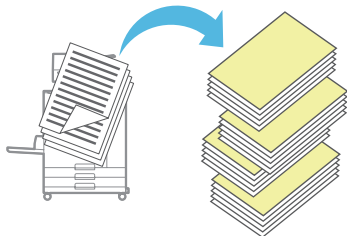
You can print on both sides of the paper or print multiple pages on a single sheet. You can also use duplex printing in conjunction with the combine function.



Quickly sort large amounts of documents

**Sort (p.62, p.105), Separation, Slip Sheet (p.74,
p.114)**

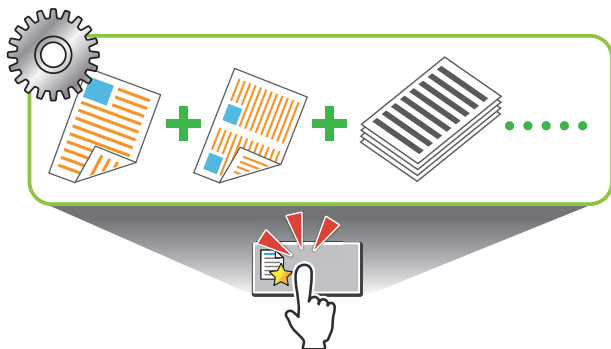
You can use the sort or slip sheet function to quickly separate a large amount of meeting documents or handouts. You can increase efficiency even more with offset output, which is available when using the optional multifunction finisher or face down finisher.



Register and retrieve settings

Favorites (p.78, p.92, p.108, p.133, p.142)

You can add settings as favorites, and quickly retrieve them when desired. This eliminates the need to configure the same settings each time.



Check the results before printing large amounts

Sample Copy (p.78), Print and Pause (p.105)

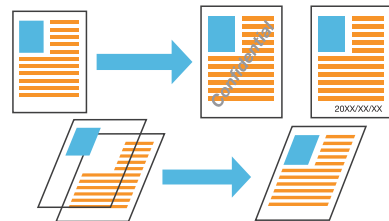
You can print one sample and check the results and settings.



Superimpose image and text on an original

Stamp (p.66, p.112), Overlay (p.70), Watermark (p.111)

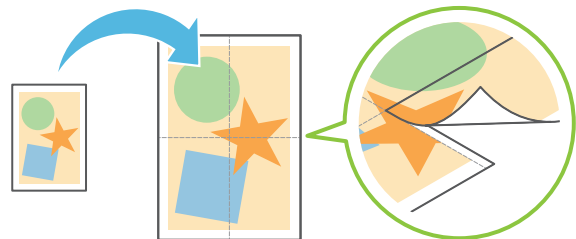
You can add the page number, date, text stamps, or watermarks onto an original for printing. In addition, you can copy the original overlaid with the image saved on the storage.



Enlarge and print onto multiple sheets of paper

Poster (p.110)

Enlarge one page of image data and divide it onto multiple sheets of paper for printing. You can create a large printout as a poster by sticking the printed sheets of paper together.



Save your frequently printed documents on the printer

Storage (p.128)

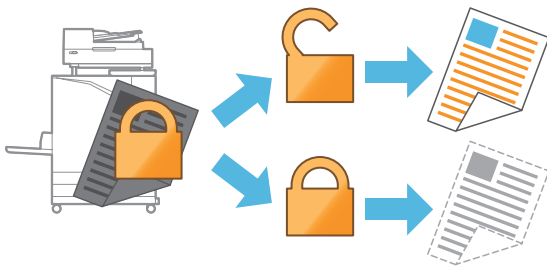
By saving documents in a folder, you can quickly print them when needed. You can also share folders.



Protect documents with a PIN code

PIN Code (p.90, p.119)

When you assign a PIN code to a job, only the person who knows the PIN code can print it. You can also assign a PIN code to documents read by the scanner.



Check the printer status from a computer

RISO Console (p.146)

Check the machine's status and settings from your computer, and perform job operations without having to actually go to the machine.



Collectively output multiple scanned data

Scan Job Build (p.76)

Collectively copy multiple data scanned with different settings as one job.



Specify the document name of the scanned data

Document Name (p.88)

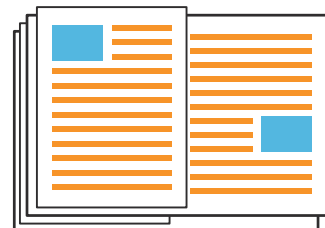
View and specify the document name when saving the scanned data.



Process originals of various sizes together at the same time

Mixed Size Original (p.63, p.90, p.105)

The machine automatically recognizes the size of originals when copying and scanning, even when you load originals of various sizes.



Contents

About This Guide	1
Symbols, Notations, and Screenshots Used in This Guide	2
For ComColor FT2430 and ComColor black FT1430/FT1430R Users	3
Functions Made Possible by Installing Optional Equipment	5
What You Can Do With This Machine	6
Conserve paper when printing	6
Quickly sort large amounts of documents	6
Register and retrieve settings	6
Check the results before printing large amounts	6
Superimpose image and text on an original	6
Enlarge and print onto multiple sheets of paper	6
Save your frequently printed documents on the printer	7
Protect documents with a PIN code	7
Check the printer status from a computer	7
Collectively output multiple scanned data	7
Specify the document name of the scanned data	7
Process originals of various sizes together at the same time	7
Safety Precautions	14
Warning Symbols	14
Power Plug	14
Installation Location	14
Power Connection	15
Ground Connection	15
Handling	15
Ink Cartridge	16
Before Use	17
Model Configuration Table	17
Installation Location	17
Power Connection	18
Connecting to a Computer	19
Required Spacing	20
Handling	24
Originals	24
Printable Area	25
Printing Paper	25
Printouts	27
Materials Not to Be Printed	27
Ink Cartridge Storage and Handling Precautions	28
Disposing of Used Ink Cartridges and Cleaning Tanks	28
Part Names and Functions	29
Main Unit and Optional Scanner	29
Operation Panel	31

Touch Panel	33
[Home] Screen	33
Mode Screens	34
Touch Panel	41
Preparation	43
Power	43
Login	44
Loading Paper	45
Closing the Standard Tray	48
Installing the Printer Driver	49
Operating Environment	49
Installing	49
About Jobs	50
[Active / Idle] Screen	50
[Finished] Screen	51
[Paper info] Screen	51

Chapter 1 Copying	53
Overview of Copy Operations	54
Procedure	54
List of Settings	57
Copy Settings	59
Color Mode	59
Reproduction Size	59
Paper Selection	59
Scanning Size	61
Original Orientation	61
Duplex/Simplex	62
Sort	62
Scanning Level	62
Print Density	63
ADF Scan & Pause	63
Mixed Size Original	63
Book Shadow Erasure	64
Page Split	64
Combine	65
Image Repeat	66
Booklet	66
Stamp	66
Page Border	68
Image Quality	68
Original Type	69
Gamma Correction	69
Image Control	69
Base Color Level	70
Image Position	70

Overlay	70
Program	72
Add Cover	74
Separation	74
Binding Margin	75
Staple / Punch	75
Fold	76
Slow Printing	76
Output Tray	76
Face Up/Down	76
Output Tray Relay	76
Paper Tray Relay	76
Auto Image Rotation	76
Scan Job Build	76
Interrupt Copy	77
Copy Mode Function Buttons	78
Favorites	78
Additional Copy	78
Sample Copy	78
Check Setting	79
Custom Menu	79

Chapter 2 Scanning	83
Overview of Scan Operations	84
Procedure	84
List of Settings	87
Scan Settings	88
Document Name	88
Color Mode	88
Scanning Size	89
File Format	89
Duplex / Simplex	89
Scanning Level	90
Original Orientation	90
Resolution	90
Mixed Size Original	90
Book Shadow Erasure	90
Page Split	90
PIN Code	90
Original Type	90
Gamma Correction	91
Image Control	91
Base Color Level	91
Scan Job Build	91
Scan Mode Function Buttons	92
Favorites	92

Check Setting	92
Custom Menu	92
Chapter 3 Printing	95
Overview of Print Operations	96
Procedure From the Printer Driver	96
Procedure From Print Mode	96
Printer Driver Screen	99
List of Settings	100
Printer Driver Settings	103
Common buttons	103
[Basic] Tab	104
[Favorites] Tab	108
[Layout] Tab	109
[Finishing] Tab	113
[Image] Tab	115
[Advanced] Tab	118
Environment Settings	120
[Environment] Tab	121
Print Mode Function Buttons	124
Online/Offline	124
External System Job	124
Details	124
Change Setting	125
Chapter 4 Storage	127
Overview of Storage Operations	128
Saving the Data to a Folder	128
Printing a Document in a Folder	129
List of Settings in [Storage] - [Save]	130
List of Settings in [Storage] - [Load]	132
Storage Mode Function Buttons	133
Function Buttons in [Storage] - [Save]	133
Function Buttons in [Storage] - [Load]	134
Chapter 5 USB	137
Overview of USB Operations	138
Saving the Scanned Data to a USB Flash Drive	138
Printing a Document Saved on a USB Flash Drive	139
List of Settings in [USB] - [Save]	140
List of Settings in [USB] - [Load]	141
USB Mode Function Buttons	142
Function Buttons in [USB] - [Save]	142
Function Buttons in [USB] - [Load]	142

Chapter 6 RISO Console	145
Overview of the RISO Console	146
Top Screen	146
Starting the RISO Console	147
Common Button Operations	148
[System Info] Menu	149
[Consumables] Screen	149
[Machine Info] Screen	149
[User Info] Screen	150
[License Info] Screen	151
[Scan] Menu	152
[Scan] Menu Screen	152
[Print] Menu	153
[Print] Menu Screen	153
[Storage] Menu	154
[Load] Screen	154
[Job Status] Menu	155
[Active / Idle] Screen	155
[Finished] Screen	155
[Maintenance] Menu	156
[Maintenance] Menu Screen	156
Chapter 7 Using the Barcode Area Definition Software	157
Overview of the Barcode Area Definition Software	158
Installing the Barcode Area Definition Software	158
Starting the Barcode Area Definition Software	159
Main Screen	159
Creating and Registering a Barcode Area Definition File	161
Procedure	161
Repetition Function	164
Printing Barcode Originals	164
Chapter 8 Optional Equipment	165
Face Down Finisher	166
Caution Label	167
List of Settings	168
Printer Driver Settings	168
Copy Mode Settings	171
Additional Tray	173
Loading the paper	173
Multifunction Finisher	175
Caution Label	177
List of Settings	178
Printer Driver Settings	179



Copy Mode Settings	186
Stacking Tray (Auto-control Stacking Tray / Wide Stacking Tray)	191
Loading the Stacking Tray	191
List of Settings	193
Printer Driver Settings	193
Copy Mode Settings	193
Maintenance Mode Settings	194
PostScript kit	195
Operating Environment	195
Installing to Windows	195
Installing to Mac OS	195
Installing to Linux	199
How to Print	200
Printer Driver Settings	200
[Basic] Tab	200
[Favorites] Tab	201
[Layout] Tab	201
[Finishing] Tab	202
[Image] Tab	202
[Advanced] Tab	203
[Environment] Tab	207
RISO Console Settings	207
Printable Files in the USB Flash Drive	207
Font List	210
Printing From Your Tablet or Smartphone	212
Chapter 9 Appendix	213
About Ink Cartridges	214
Ink Cartridge Replacement	214
Specifications	215
Consumables	227
Ink cartridges	227
Index	228

Safety Precautions





This section describes the items that should be followed for safe use of this machine. Be sure to read this section before using the machine.

Warning Symbols

To use the machine properly and to prevent human injury and damage to properties, the following warning symbols are used. Read the meaning of the symbols to understand and then read this guide.

 WARNING	Indicates that incorrect handling by ignoring this symbol may cause death or serious human injury.
 CAUTION	Indicates that incorrect handling by ignoring this symbol may cause human injury or damage to properties.

Examples of symbols

	The  symbol indicates a prohibited action. A specific prohibited action is drawn inside or next to the symbol. (The left figure indicates that disassembly is prohibited.)
	The  symbol indicates a forced action or an instruction. A specific instruction is drawn inside the symbol. (The left figure indicates an instruction to remove the power plug from the electrical outlet.)

Power Plug

- If the following options are connected, you will have two or more plugs.
 - Scanner
 - Face Down Finisher
 - Multifunction Finisher



Installation Location

CAUTION

- Place the machine on a flat or stable surface. Otherwise, the machine might be inclined or fall down, resulting in human injury.
- When installing the machine without the use of a special scanner stand, do not install the machine in a location where it will be exposed to vibration from other machines. Otherwise, the machine may drop or fall and injure someone.
- The machine has ventilation openings. Place the machine at least 100 mm (3 15/16") from walls. If the ventilation openings are blocked, the inside of the machine may become hot and a fire might occur.
- Do not place the machine in a dusty or humid location. Otherwise, a fire or an electric shock might occur.

Power Connection

WARNING

- Install the machine near the wall socket to avoid using an extension cord between the machine and the wall socket. If an extension cord is absolutely required, do not use longer than 5m (15ft). Otherwise, a fire or an electric shock might occur. 
- Do not damage or rebuild the power cord. Placing a heavy object on the cord or pulling or forcibly bending the cord may damage the cord, resulting in a fire or an electric shock. 
- The power cord supplied with this product can be used only for this machine. Do not use it for another electric product. Otherwise, a fire or an electric shock might occur.
- Do not plug or unplug the power cord if your hands are wet. Otherwise, an electric shock might occur.

CAUTION

- Connect the plug securely to the electrical outlet to avoid a loose connection.
- Do not pull the power cord when unplugging it. Otherwise, it could become damaged and a fire or an electric shock might occur. Be sure to hold on to the plug when unplugging the power cord.
- If the machine will not be used for a long time, such as during a holiday, unplug the power cord from the electrical outlet for safety.
- Pull out the power plug from the electrical outlet at least once a year and clean the prongs of the plug and their surroundings. Dust collected on these areas can result in fire.




Ground Connection

WARNING







- Be sure to insert the power plug with a ground conductor into the wall outlet with a ground receptacle. Do not use the machine if it is not grounded. It may result in fire or electric shock.

Handling

WARNING

- Do not place water containers or metallic objects on the machine. If water drips inside the machine or a metallic object drops inside it, a fire or an electric shock might occur.
- Do not remove the covers. Otherwise, you might be electrically shocked by the high-voltage part inside. 
- Do not disassemble or rebuild the machine by yourself. Otherwise, a fire or an electric shock might occur.
- Do not insert or drop any metallic material or flammable substances into the machine through any opening. Otherwise, a fire or an electric shock might occur.
- If something drops inside the unit, immediately press and hold the [Power] key to turn off the power for operations, then turn off the main power switch. Next, unplug the power cord and contact your dealer or authorized service representative. Continued use might result in a fire or an electric shock. 
- If the unit emits excessive heat, smoke or foul odor, immediately press and hold the [Power] key to turn off the power for operations, then turn off the main power switch. Next, unplug all the power cords and contact your dealer or authorized service representative. Otherwise, a fire or an electric shock might occur. 
- When using the IC card reader
The IC card reader continually emits a weak signal. If you are using a cardiac pacemaker and notice any abnormalities, immediately move away from the machine. Consult a physician immediately.

CAUTION

- Do not insert your fingers in the areas around the standard tray (additional tray) or stacking tray. Otherwise, an injury might occur.
- Do not touch the moving parts of the machine. Otherwise, an injury might occur.
- Be careful of protruding parts and metal terminals when inserting the hand inside the printer such as removing jammed paper. Otherwise, an injury might occur.
- The inside of the printer may have areas with ink. Be careful not to let the ink come in contact with your hands or clothing. Should ink accidentally make contact with your hands, wash it off with detergent as soon as possible.
- When moving the machine, contact your dealer or authorized service representative. If you try to forcibly move the machine, the machine may overturn, resulting in injury.
- When using the face down finisher
 -   Caution! A finger is caught.
Do not put your fingers in the gap between the main body and stacking tray of the face down finisher. Doing so may result in your fingers being caught while the face down finisher moves.
- When using the multifunction finisher
 -   Caution! A finger is caught.
Do not put your fingers in the gap between the main body and stacking tray of the multifunction finisher. Doing so may result in your fingers being caught while the multifunction finisher moves.
 -   Caution! Hot surface
Since the parts near the high temperature caution label may be heated and cause burns, do not touch the parts directly with your fingers.

Ink Cartridge

CAUTION

- Avoid contact to eyes and/or skin. If ink gets into your eyes, flush it out immediately with plenty of water. If ink comes into contact with your skin, wash it off thoroughly using soap.
- Allow plenty of ventilation during printing. Seek fresh air immediately if you feel unwell during use.
- If you feel sick, seek medical advice immediately.
- Use the ink only for printing purposes.
- Do not dispose of used ink cartridges by burning. The ink is combustible and can cause the fire to grow, resulting in burns.
- Store ink cartridges out of the reach of children.
- The ink is a combustible liquid. In the event of fire, use potassium carbonate mist, foam, powder, or a carbon dioxide fire extinguisher.

Before Use

This section describes the precautions that must be observed before using the machine.

Model Configuration Table

Equipment and functions vary depending on the model. See the functions of your model name.

	ComColor FT5430/ FT5430R	ComColor FT5230/ FT5230R	ComColor FT5231/ FT5231R	ComColor FT5000/ FT5000R	ComColor FT2430	ComColor black FT1430/ FT1430R
Maximum Print Area	310 mm × 544 mm (12 3/16" × 21 13/32")	310 mm × 544 mm (12 3/16" × 21 13/32")	310 mm × 544 mm (12 3/16" × 21 13/32")	210 mm × 544 mm (8 1/4" × 21 13/32")	310 mm × 544 mm (12 3/16" × 21 13/32")	310 mm × 544 mm (12 3/16" × 21 13/32")
Feed Tray	Available	Available	Not available*1	Available	Available	Available
Connection to the additional tray (Optional)	Available	Available	Not available*1	Available	Available	Available
Color Support	4 colors (Cyan, Magenta, Yellow, Black)	4 colors (Cyan, Magenta, Yellow, Black)	4 colors (Cyan, Magenta, Yellow, Black)	4 colors (Cyan, Magenta, Yellow, Black)	Dual-color*2 (Red, Black)	Single color*2 (Black)

*1 [Mixed Size Original], [Add Cover], [Slip Sheet], [Paper Tray Relay] in the Copy mode, Print mode, and Storage mode are not available.

The [Mixed Size Original] function in the Scan mode is available only for reading.

*2 2 or 1 ink is used to print. Therefore, some functions and screen displays are different from those of the full-color printer. For more information, see "For ComColor FT2430 and ComColor black FT1430/FT1430R Users" (p.3).

Installation Location

Observe the following precautions.

- **Your dealer will help you to determine a proper location for the machine at the time of delivery.**
- **When moving the machine, contact your dealer or authorized service representative.**
- **Avoid installing the machine in the following locations. Otherwise, incorrect operation, malfunction, or accident might occur.**
 - Places subject to direct sunlight or excessively illuminated such as next to windows (if inevitable, use a curtain at the window)
 - Places subject to sudden temperature variations

- Places excessively hot and humid or cold and dry
- Places close to fire or heat
- Places directly subject to cold air from air conditioners or hot air from heaters, as well as radiant heat
- Places with poor air permeability or ventilation
- Dusty places
- Places subject to excessive vibration

- **Install the machine in a place whose levelness is within the following specified range.**

Installation surface level: 2° or less

- **Operate the machine under the following environment conditions.**

Temperature range: 15°C to 30°C (59°F to 86°F)

Humidity range: 40% to 70% RH (non-condensing)

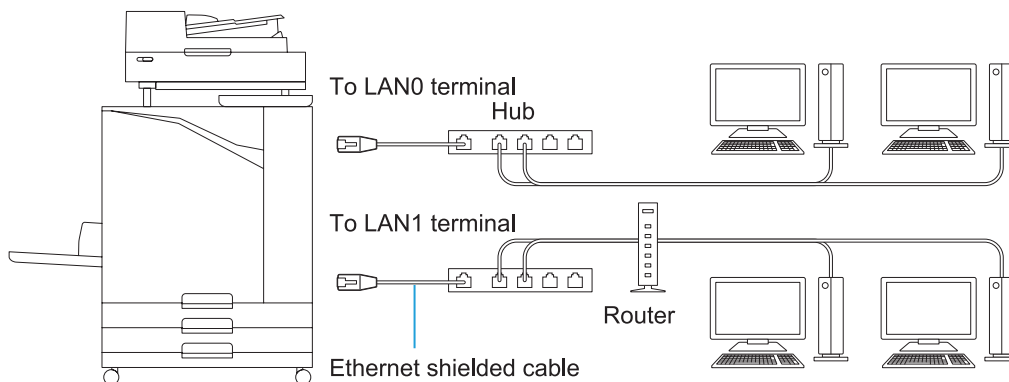
Power Connection

Observe the following precautions.

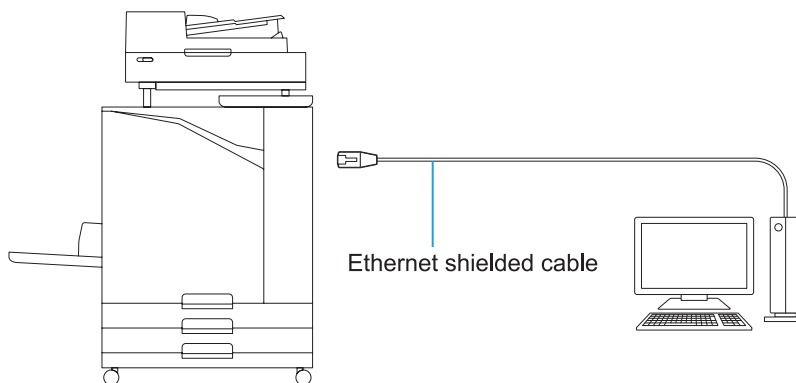
- **Connect the plug securely to the electrical outlet to avoid a loose connection. You may have two or more power plugs if you have options connected.**
- **Install the machine near an electrical outlet.**
- **When the scanner is connected to the printer using the USB cable, the scanner is turned on and off by the power of the main unit.**

Connecting to a Computer

■ Connecting to Multiple Computers



■ Connecting to One Computer



- The maximum allowable voltage for all input/output connection is 5V.



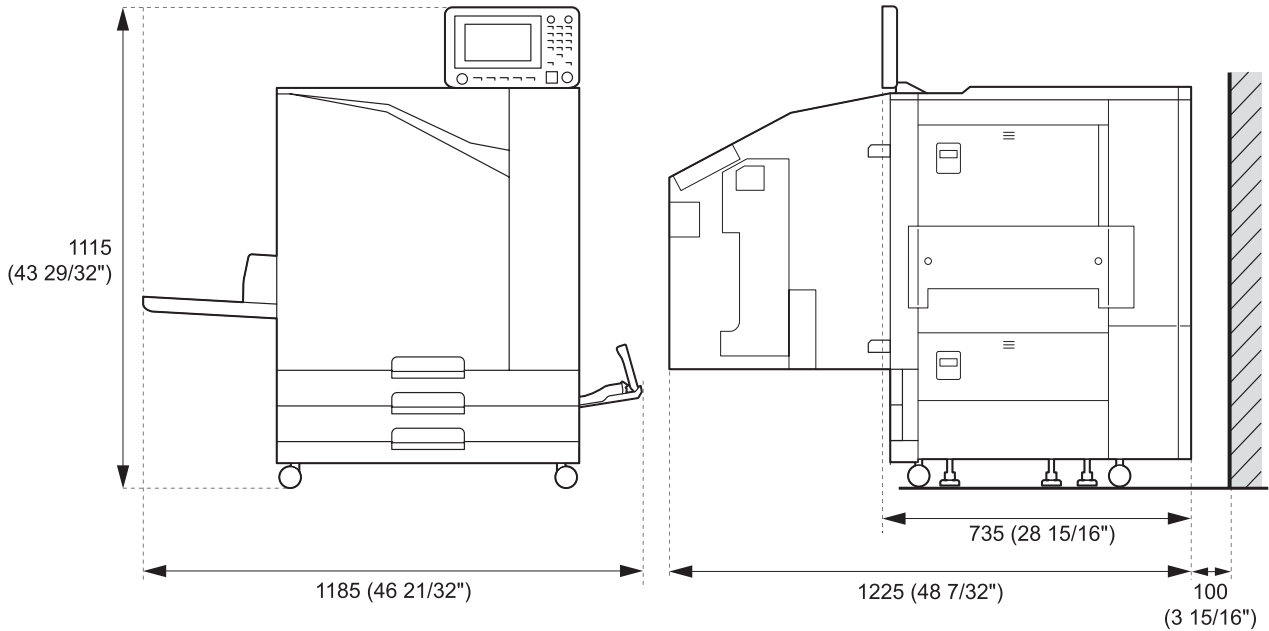
- Use a commercially available Ethernet shielded cable. It is recommended that you use one of the following types of Ethernet shielded cables according to your network environment.
 - Cat 5 (Cat 5e) cable for 100BASE network
 - Cat 5e cable for 1000BASE network
- To print from a computer, you must install the printer driver. For the installation method, see "Installing the Printer Driver" (p.49).
- Be sure to use the LAN1 port of the machine when connecting to the optional print controller.
- You cannot directly connect the machine to a communication line offered by a telecommunication carrier (mobile communications company, fixed-line telecoms company, Internet provider, etc.). When connecting the machine to the network, make sure that the connection is made via a router etc.

Required Spacing

■ Main Unit

Provide sufficient space for the front cover to open.

- As seen from the front (with the standard tray open)
- As seen from the side (with the front cover open)

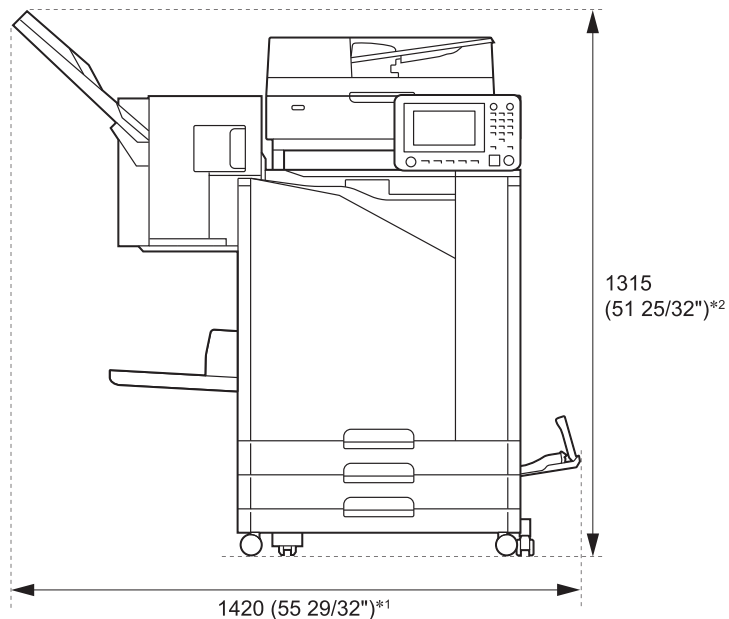


Units: mm (inch)

■ Main Unit with Optional Equipment Installed

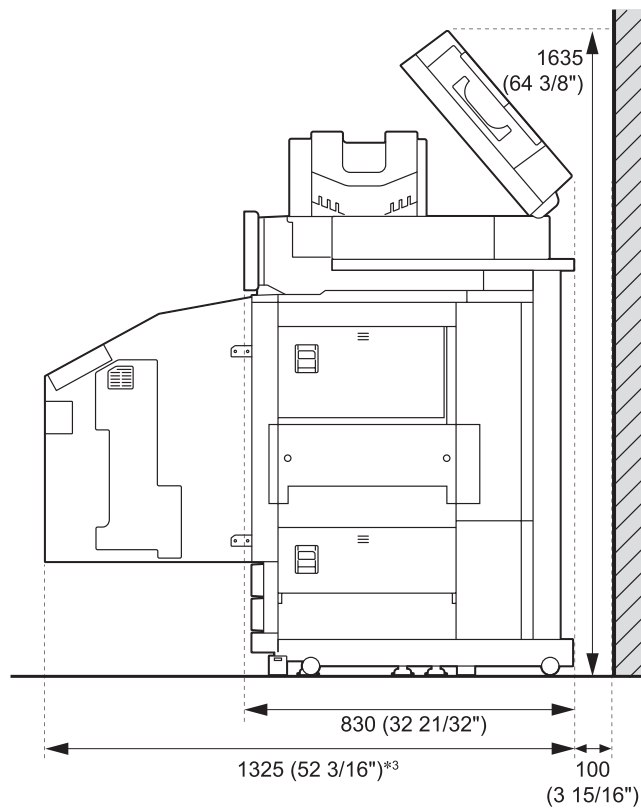
Provide sufficient space for opening the standard tray, the front cover, and the original cover of the scanner.

- As seen from the front



Units: mm (inch)

- As seen from the side



Units: mm (inch)

The size varies depending on the optional equipment used.

*1 Width	Main unit only	1,185 mm (46 21/32")
	Main unit and Scanner (when using special scanner stand)	1,185 mm (46 21/32")
	Main unit and Face Down Finisher	1,420 mm (55 29/32")
	Main unit, Multifunction Finisher, and Folder Unit	2,485 mm (97 27/32")
	Main unit and Multifunction Finisher	2,245 mm (88 13/32")
	Main unit and Wide Stacking Tray	1,680 mm (66 5/32")
	Main unit and Auto-Control Stacking Tray	1,580 mm (62 7/32")
	Main unit, Face Down Finisher, and Wide Stacking Tray	1,920 mm (75 19/32")
	Main unit, Face Down Finisher, and Auto-Control Stacking Tray	1,815 mm (71 1/2")
	Main unit and Additional Tray	1,500 mm (59 1/16")
	Main unit, Additional Tray, and Wide Stacking Tray	2,000 mm (78 23/32")
	Main unit, Additional Tray, and Auto-Control Stacking Tray	1,900 mm (74 25/32")
	Main unit, Additional Tray, Multifunction Finisher, and Folder Unit	2,805 mm (110 7/16")
	Main unit, Additional Tray, and Multifunction Finisher	2,565 mm (100 31/32")
*2 Height	Main unit only (with the operation panel in the upright position)	1,115 mm (43 29/32")
	Main unit and Scanner (when using special scanner stand)	1,260 mm (49 5/8")
	Main unit and Face Down Finisher	1,315 mm (51 25/32")
	Main unit and Multifunction Finisher	1,215 mm (47 27/32")

*3 Depth	Main unit only	1,225 mm (48 7/32")
	Main unit and Scanner (when using special scanner stand)	1,325 mm (52 3/16")
	Main unit and Multifunction Finisher	1,325 mm (52 3/16")
	Main unit, Multifunction Finisher, and Folder Unit	1,325 mm (52 3/16")
	Main unit, Scanner (when using special scanner stand), Multifunction Finisher, and Folder Unit	1,325 mm (52 3/16")
	Main unit and Additional Tray	1,215 mm (47 27/32")

Handling

- Do not use the main power switch to turn off the machine or unplug the machine during operation.
- Do not open any of the covers during operation.
- Do not move the machine.
- The machine contains precision components and driving parts. Therefore, do not perform operations not described in the guides.
- Do not place heavy objects on the machine or subject the machine to strong shocks.
- Open and close the covers gently.
- After turning off the main power switch, wait until the [Main Power] LED goes off before turning on the main power switch again.
- Perform head-cleaning if the machine will not be used for a long time or before using the machine after a long period of non-use. Ink may deteriorate or dry up in the ink feed path inside the machine, resulting in clogging of the print head. It is recommended that head-cleaning be performed regularly to prevent this from occurring.
- Do not touch the print head, as this can result in malfunction or deterioration in print quality.
- Always keep all the color ink cartridges in the machine. Do not leave the machine with the ink cartridges removed, even when not using the machine.

Originals

If you connect the optional scanner, you can copy or scan an original by placing it on the platen glass or in the ADF to be read. If you use an original that is not compatible with this machine, it may result in problems such as paper jamming, soiling or malfunctions.

Specifications of Original Source

■ Platen Glass

Size	Maximum 303 mm × 432 mm (11 15/16" × 17")
Original Weight	200 N (over an A3-size area)

■ Auto Document Feeder (ADF)

Size	100 mm × 148 mm - 297 mm × 432 mm (3 15/16" × 5 27/32" - 11 11/16" × 17")
Weight	52 g/m ² to 128 g/m ² (14-lb bond - 34-lb bond)
Original Type	Plain paper
Max. Capacity	200 sheets (when the weight is 80 g/m ² (21-lb bond))

Precautions about Originals

Originals that have ink or correcting fluid must be dried before being placed on the platen glass. The following types of originals cannot be scanned using the ADF, even when within the above specification range.

Use the platen glass instead.

- Paper that has been cut and pasted
- Heavily wrinkled or curled paper
- Folded paper
- Glued paper
- Paper with holes
- Torn paper or paper with irregular edges
- Transparencies, tracing paper, and other highly transparent materials
- Art paper or coated paper with a processed surface on the front or back
- Thermal paper for fax machines or word processors
- Paper with an uneven surface

To accurate scanning

- When scanning photos or printed documents, make sure the surface of the original is flat.
- We recommend that you use an original with a font size of at least 5pt.

Printable Area

The size of the printable area varies depending on whether you are printing a job from a computer or copying a paper original.

Maximum Print Area

Printable Area

Printing	310 mm × 544 mm (12 3/16" × 21 13/32")
Copying (When using the Auto Document Feeder)	295 mm × 430 mm (11 5/8" × 16 15/16")*

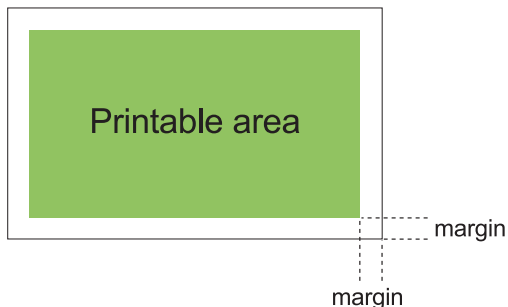
* When using the platen glass: 303 mm × 432 mm (11 15/16" × 17")

Printable Area (Margin)

Standard	5 mm (7/32")
Maximum	3 mm (1/8")



- Printing without margins cannot be performed. Margins are always added around the edges of the paper.



Some areas around the edges of the paper cannot be printed regardless of the data size of the original.

- Depending on the content of the original, text or images may be lost or bleeding may occur.
- Even when the paper size is within the maximum print area, a margin is always provided.
- When copying, the machine cannot scan the 1 mm (0.04") margin of the original.

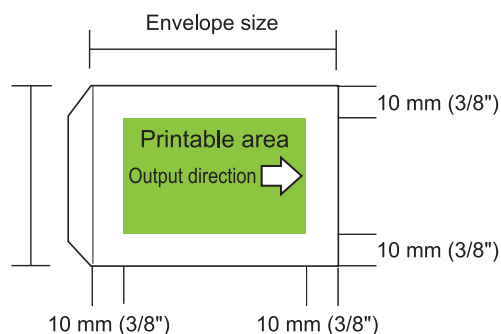
Printable Area of Envelopes

- C4: 229 mm × 324 mm (9" × 12 3/4")
- C5: 162 mm × 229 mm (6 3/8" × 9")
- C6: 114 mm × 162 mm (4 1/2" × 6 3/8")
- DLR: 110 mm × 220 mm (4 5/16" × 8 21/32")
- Envelope: 229 mm × 305 mm (9" × 12")
- Envelope: 254 mm × 331 mm (10" × 13")

- NO.10 envelope: 105 mm × 242 mm (4.125" × 9.5")

The printable area on envelopes is the area enclosed within 10 mm (3/8") of the edges of the envelope.

Any part of the image that does not fit within the printable area is not printed.



- When printing on envelopes, it is recommended you install the optional stacking tray or the envelope feeder.
- To also print on the flap section, you must register the envelope size including the flap section. For more information, contact your dealer or authorized service representative.
- You cannot use duplex print when printing on envelopes.

Printing Paper

- If you use paper that is not compatible with this machine, it may result in problems such as paper jamming, soiling or malfunctions.
- For paper which can be loaded in the feed tray, the additional tray, and the standard tray, their specifications are different.

Paper Basic Specifications

Feed Tray

Size	182 mm × 182 mm - 297 mm × 432 mm (7 3/16" × 7 3/16" - 11 11/16" × 17")
Weight	52 g/m ² to 104 g/m ² (14-lb bond - 28-lb bond) (45 kg - 90 kg (99 lb - 198 lb) Ream weight: duodecimo)
Type	Plain paper, recycled paper
Maximum Load	Height up to 56 mm (2 3/16") in each tray

Additional tray

Size*	A4-LEF/B5-LEF/Letter-LEF/ 16K-LEF
Weight	52 g/m ² to 104 g/m ² (14-lb bond - 28-lb bond)
Type	Plain paper, recycled paper
Maximum Load	Height up to 220 mm (8 21/32")

* When changing the paper size (paper guide position), contact your dealer or authorized service representative.

Standard Tray

Size	90 mm × 148 mm - 340 mm × 550 mm (3 9/16" × 5 27/32" - 13 3/8" × 21 5/8")
Weight	46 g/m ² to 210 g/m ² (12-lb bond - 56-lb bond) (40 kg - 180 kg (88 lb - 397 lb) Ream weight: duodecimo)
Type	Plain paper, recycled paper, envelopes, postcards (plain paper), postcards (inkjet)
Maximum Load	Height up to 110 mm (4 5/16")

■ Acceptable paper sizes depend on the output tray.

Paper sizes for output trays

Face down tray	90 mm × 148 mm - 340 mm × 550 mm (3 9/16" × 5 27/32" - 13 3/8" × 21 5/8")*
Face Down Finisher	When printouts are not collated: 90 mm × 148 mm - 340 mm × 550 mm (3 9/16" × 5 27/32" - 13 3/8" × 21 5/8")* When offset output is applied: Regular sized paper: 182 mm × 257 mm (7 3/16" × 10 1/8") - 297 mm × 431.8 mm (11 11/16" × 17") Irregular sized paper width: 131 mm × 148 mm - 305 mm × 550 mm (5 3/16" × 5 27/32" - 12" × 21 5/8") When you use staples: A3/JIS- B4/A4/A4-LEF/JIS-B5/JIS-B5- LEF/Ledger/Legal/Letter/Letter- LEF/Foolscap/8K/16K/16K-LEF Only regular sized paper.
Auto-control stacking tray	90 mm × 148 mm - 320 mm × 432 mm (3 9/16" × 5 27/32" - 12 19/32" × 17") (When using paper exceeding 432 mm (17") , close the paper guides.)

Wide stacking tray

90 mm × 148 mm - 340 mm ×
550 mm (3 9/16" × 5 27/32" -
13 3/8" × 21 5/8")

* Envelopes are not acceptable.



• For information on each tray in the multifunction finisher, see "Multifunction Finisher FG20 (Optional)" (p.223) in "Appendix".

• LEF stands for Long edge feed.



• **Even if "Size" and "Weight" of paper are within the specifications, the printer may not be able to feed the paper due to paper quality, environment and storage conditions. For more information, contact your dealer or authorized service representative.**

■ Do not use the following paper types as they will cause problems such as paper jamming or malfunctions.

- Paper that does not comply with the conditions in the basic specifications
- Paper with a processed surface, such as thermal paper or carbon paper
- Curled paper (3 mm (1/8") or more)
- Paper with wrinkles
- Bent paper
- Torn paper
- Paper with ripples
- Coated paper such as art paper
- Paper with jagged edges
- Glued paper
- Paper with holes
- Glossy paper for photographs
- Transparencies
- Yupo paper

■ Always use paper from a sealed package.

■ **After finishing the print job, return the unused paper from the standard tray to the package and store. If you leave the paper in the standard tray, the paper may curl and cause paper jamming. (It is recommended to take necessary sheets out of the wrapping paper and load them to the standard tray.)**

■ **If the paper is not cut cleanly or has a textured surface (such as drawing paper), fan the paper before use.**

■ **Store paper flat, away from high temperatures, high humidity, and direct sunlight.**

Printouts

- When using duplex printing, the edges of the paper may become dirty depending on the original.
- Printouts lose their color (discolor) over time due to various chemicals in the air and light. You can protect printouts against discoloration by allowing the printout to fully dry and then inserting it into a glass frame or laminating it.
- When storing printouts in a clear file folder, be sure to use only those made of polyethylene terephthalate (PET).
- Printouts can lose color when they come in contact with water or sweat. Avoid storing printouts in a place subject to moisture. Writing on printouts with an oil-based pen can cause bleeding.
- The print density of the printout immediately after printing differs from the print density 24 hours later.
Print density decreases over time.
- Do not place printouts from this machine on top of printouts from a laser printer or copier that uses toner.
The paper might stick to the printed toner and the toner might transfer to the printout.
- Do not place printouts from this machine on or beneath the thermal paper or pressure-sensitive paper. Image on the thermal paper or pressure-sensitive paper might lighten or vanish.
- The printouts include very small quantities of volatile components. When printouts are left on a place such as on a desk, in rare cases it may look as if the volatile components may have transferred on to that item. However, they will evaporate and disappear over time.

Materials Not to Be Printed

- Do not use the machine in any manner which violates the law or infringes on established copyrights, even when making copies for personal use. For more information, contact your dealer or authorized service representative. In general, use discretion and common sense.

Ink Cartridge Storage and Handling Precautions

The ink cartridges for this machine are partly made of paper. For this reason, cartridges may become deformed and unusable if stored incorrectly or in an unsuitable environment. Store the ink cartridges properly, according to "Storage".

Storage

- When storing the ink cartridge, keep the ink cartridge in the original package, and store it horizontally in the direction indicated by the this-side-up mark.
- Avoid freezing or placement under direct sunlight. Store in areas between 5°C and 35°C (41°F - 95°F). Do not store in locations subject to extreme changes in temperature.
- If the plastic bag is opened but the ink cartridge is not to be used right away, store the ink cartridge properly and insert it into the machine as soon as possible.

Handling Precautions

- Do not shake the ink cartridge. This can create bubbles, resulting in a deterioration in print quality.
- Do not add ink into the ink cartridge.
- Remove the ink cartridge from its plastic bag just before inserting it into the machine.

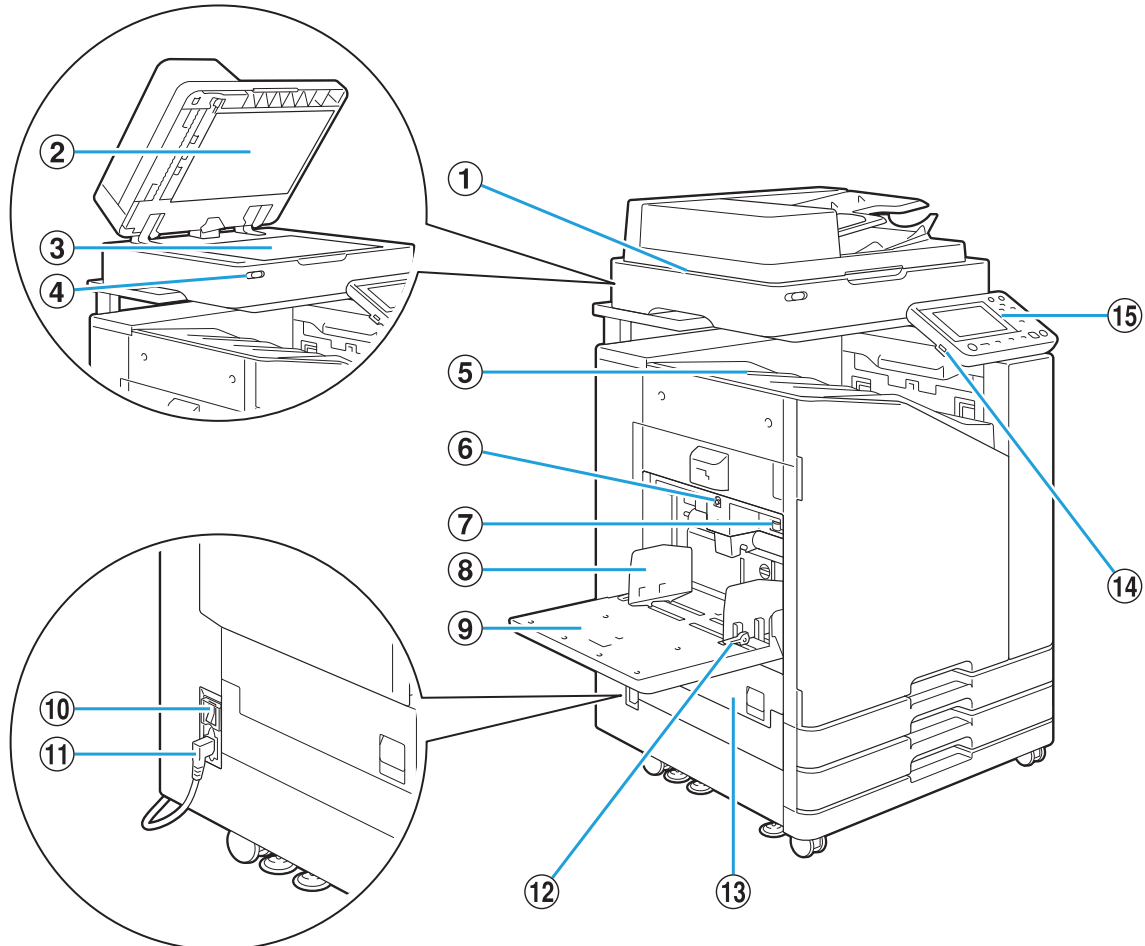
- Adequate operation temperature is 15°C - 30°C (59°F - 86°F).
Using the ink cartridge outside the adequate operation temperature range can result in a deterioration in print quality (reduced ink discharge).
The spraying properties of the inkjet printer can vary depending on the ink viscosity. In particular, at lower temperatures, the ink viscosity increases and can result in clogging of the print head. Follow the information on the operation environment and storage temperature, check the manufacturing date, and use the ink cartridge within 24 months from the date of manufacture.
- If the cap of the ink cartridge is removed and the ink cartridge is left for a long period of time without being used up, various chemicals in the air can cause the ink cartridge to deteriorate.
Using ink that has deteriorated or changed in quality can damage the print head or ink flow path.
- Do not dump the ink left in the cartridge into the sewers.
- The ink is a combustible liquid.
In the event of fire, use potassium carbonate mist, foam, powder, or a carbon dioxide fire extinguisher.

Disposing of Used Ink Cartridges and Cleaning Tanks

- The ink in the cleaning tank cannot be used for printing.

Part Names and Functions

Main Unit and Optional Scanner



① Scanner (Optional)

Use the scanner to copy or scan documents that are read from the platen glass or the ADF.

② Original Cover

Pull down to cover the original when reading it on the platen glass.

③ Platen Glass

Set the original face down and aligned with the position of the arrow in the top left.

④ Scanner LED (Blue / Red)

This LED indicates the status of the scanner.

- Blue LED ON: Ready
- Blue LED flashing: Machine is starting up or scanning
- Red LED flashing: Error has occurred

⑤ Face down tray

Printouts are output face down.

⑥ Standard Tray Descent Button

Use this button to move the standard tray up or down when replacing or adding paper to it.

⑦ Paper Feed Pressure Adjustment Lever

Use this lever to adjust the paper feed pressure to suit the paper type in the standard tray.

⑧ Standard Tray Paper Guide

This guide prevents paper in the standard tray from becoming misaligned.

⑨ Standard tray

Load special paper (thick paper, envelopes, etc.) here. You can also load plain paper.

⑩ Main Power Switch

Use this switch to turn on the power. Usually the power is left ON.

⑪ Machine Socket

Connect the main unit power cable to this socket.

⑫ Paper Feed Guide Lever

Use this lever to slide or fix the standard tray paper guide. Levers are located on both sides of the standard tray paper guide, in two places.

⑬ Left Cover

Open this cover when there is a paper jam.

⑭ USB Port

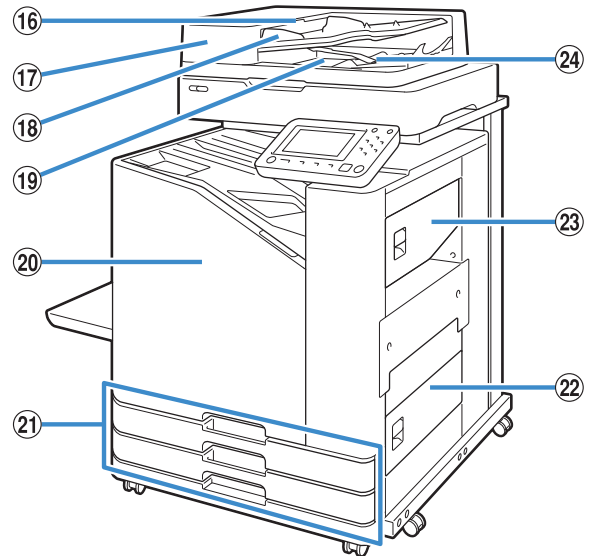
Connect a USB flash drive to this port to save the scanned data or to print the data saved on a USB flash drive.



• You need to use the USB flash drives compatible with Mass Storage Class and file system format (FAT16, FAT32, exFAT).

⑮ Operation Panel

Use to perform operations or settings. You can adjust the angle so that it is easier to see.



⑩ ADF Original Unit Lever

Pull this lever up to open the ADF original unit cover when documents are jammed.

⑪ Auto Document Feeder (ADF)

Up to about 200 documents can be automatically fed.

⑫ ADF Original Guide

Slide to fit the width of the document.

⑬ ADF Original Output Tray

Documents that are read from the ADF are output here.

⑭ Front Cover

Normally the front cover is locked and cannot be opened. This lock is automatically released when a paper jam or other problems occur.

To open the front cover in other cases, go to [Maintenance] from the [Home] screen and touch [Front Cover Release].

⑮ Feed Tray 1, Feed Tray 2 (Feed Trays)

Load the paper to be used for printing here.



• Use the standard tray for thick paper and other special paper types.

⑯ Lower Right Cover

Open this cover when there is a paper jam.

⑰ Upper Right Cover

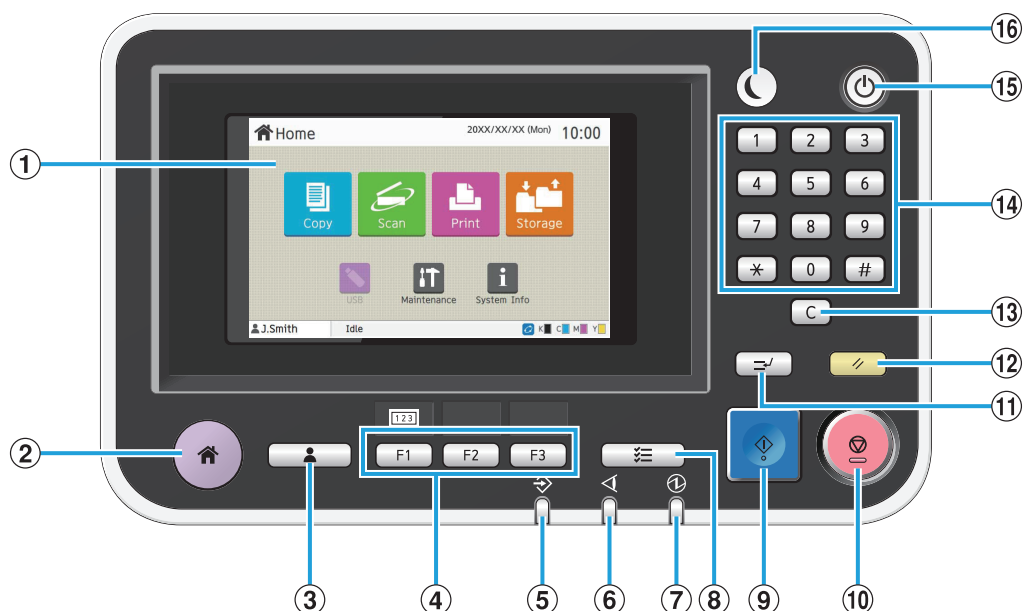
Open this cover when there is a paper jam.

⑱ Paper Alignment Lever

Use this lever to align the documents that are output. If the lever interferes with output, pull it up and lock it.

Operation Panel

Various operations and settings can be performed using the operation panel. The color and condition (light up or flashing) of the lamps indicate the machine status or errors such as paper jams.



① Touch Panel

Use to perform operations or settings. This panel also displays information such as error messages and confirmation messages. (p.33 "Touch Panel")

② Home Key

Press this key to bring up the [Home] screen.

③ Login / Logout Key

Press this key to log in or log out.

④ Function Keys

You can preset frequently used functions and settings. Use these keys as shortcut keys.



- For specific instructions on how to register functions and settings, contact your administrator.

⑤ Data LED

This LED lights up when there is a job waiting and flashes when this machine is receiving data.

⑥ Error LED

This LED flashes when an error occurs.

⑦ Main Power LED

This LED lights up when the main power is on.

⑧ Job Status Key

Press this key to check jobs that are in progress or finished.

⑨ Start Key

Press this key to start an operation.

⑩ Stop Key

Press this key to stop the job that is in progress.

⑪ Interrupt Key

Press this key when you need to copy while a job is being printed. This function allows you to pause the job being printed to start copying another document.

⑫ Reset Key

Press this key to return the settings to their default values.



- Only the settings for the selected mode are reset. The settings for other modes remain unchanged by this operation.

⑬ Clear Key

Press this key to clear letters or numbers that have been entered.

⑭ Numeric Keys

Use these keys to enter numbers.

⑮ Power Key

When you press this key while the main power is on, the operation power turns on and this key lights up. Holding it turns off the operation power, and the machine goes into stand-by mode.

⑯ Wake Up Key

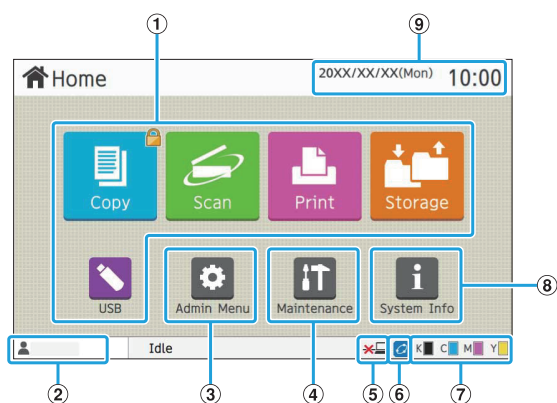
This key lights up when this machine is in power saving mode. Pressing this key when it is lit makes the machine ready for operation.



- Pressing this key when it is not lit makes the machine go into sleep mode.
-

Touch Panel

[Home] Screen



The [Home] screen appears when you press the [Home] key in the operation panel. To access the settings and operations, touch the button for the mode that you want to use.



- The screen displayed varies depending on your model, the optional equipment connected, and settings.

① Mode Buttons

Touch these buttons to bring up the corresponding mode screen.

A lock icon in the upper right corner of a button indicates that you must log in to access that mode.

② User Name

The name of the user currently logged in is displayed.

③ [Admin Menu] Button

Touch this button to access the administrator settings.



- This button does not appear when the user is not logged in as an administrator.

④ [Maintenance] Button

Touch this button to access maintenance features.

⑤ Offline

This icon is displayed when [Online/Offline] is set to [OFF].

⑥ FORCEJET™ Link Icon

This icon indicates whether all parts required for printing are working correctly. For more information, see the separately provided "Troubleshooting Guide".

⑦ Remaining Amount of Ink

These icons indicate the amount of remaining ink for each color. The indicator starts flashing when the time to replace an ink cartridge comes close. Prepare a new ink cartridge for the color that flashes.



- The amount of remaining ink cannot be displayed when using non-RISO ink.

⑧ [System Info] Button

Touch this button to display consumables, machine, and user information.

⑨ Date

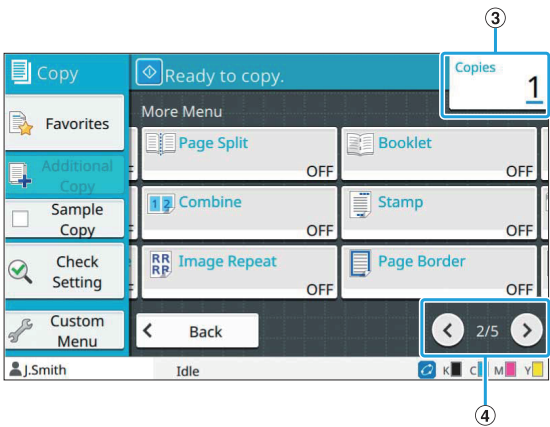
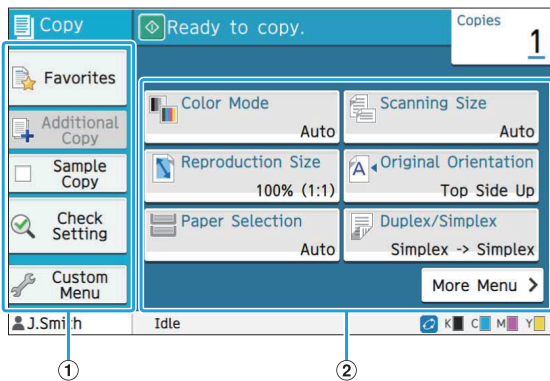
The current date and time is displayed.

Mode Screens

Pressing a mode button on the [Home] screen will bring up the corresponding mode screen.

[Copy] Screen

If you are using an optional scanner, you can operate or check copy jobs on this screen.



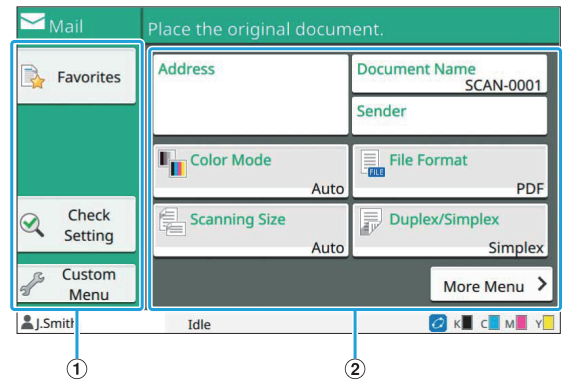
- ① **Function buttons**
Select a function that can be used in Copy mode.
- ② **Setting buttons**
Use these buttons to set up copy functions.
Touch [More Menu] to display other setting buttons.
- ③ **Copies**
Enter or check the number of copies here.
- ④ **◀/▶ buttons**
Use these buttons to switch the setting button pages.
The current page and total number of setting button pages are displayed as a fraction.

[Scan] Screen

If you are using an optional scanner, you can operate or check scan jobs on this screen. There are three ways to transmit scan data.

■ Mail

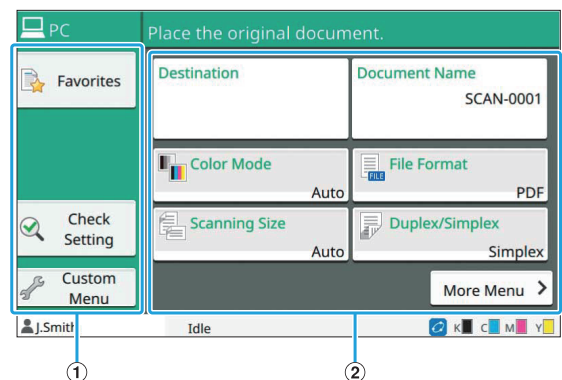
You can send the scanned data by e-mail.



- ① **Function Buttons**
Select a function that can be used in Scan mode.
- ② **Setting Buttons**
Use these buttons to enter [Address], [Document Name], and [Sender] as well as to set up scanner functions.
Touch [More Menu] to display other setting buttons.

■ PC

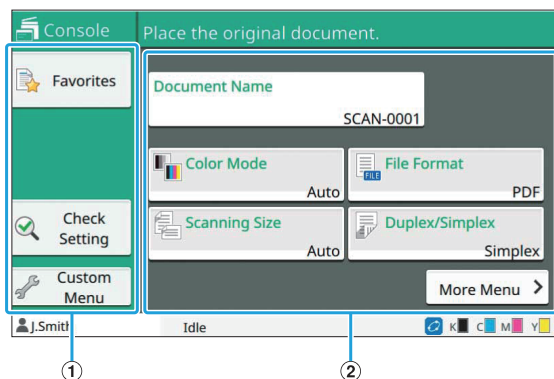
You can send the scanned data to a computer on the network.



- ① **Function Buttons**
Select a function that can be used in Scan mode.
- ② **Setting Buttons**
Use these buttons to enter [Destination] and [Document Name] as well as to set up scanner functions.
Touch [More Menu] to display other setting buttons.

■ Console

You can save the scanned data to the internal hard disk of this machine. The saved data can be downloaded from the RISO console.



① Function Buttons

Select a function that can be used in Scan mode.

② Setting Buttons

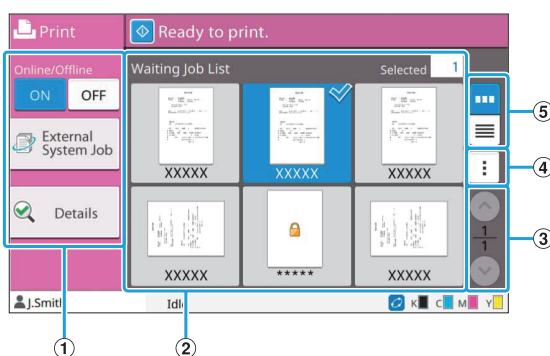
Use these buttons to enter [Document Name] as well as to set up scanner functions.

Touch [More Menu] to display other setting buttons.

[Print] Screen

On this screen, you can operate and check print jobs that are sent from a computer.

■ Waiting Job List Screen



① Function Buttons

Select a function that can be used in Print mode.

② View

Waiting jobs are listed in this view.

③ ▲/▼ Buttons

Use these buttons to switch the view pages. The current page and total number of pages are displayed.

④ Sub Menu

You can edit or delete the settings for the selected job.

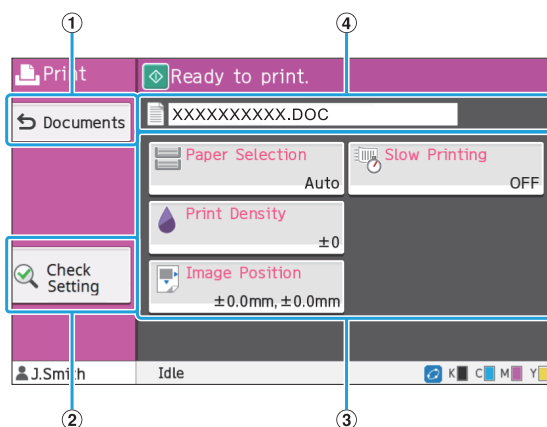
⑤ View Selection Buttons

You can select whether to view the waiting jobs as thumbnails or as a list.

- [Thumbnail icon] : View as thumbnails
- [List icon] : View as list

■ Change Setting Screen

This screen appears when you select [Change Setting] in the sub menu on the [Waiting Job List] screen.



① [Documents] Button

Touch this button to display the [Waiting Job List] screen.

② [Check Setting] Button

Touch this button to display the current settings.

③ Setting Buttons

Use these buttons to set up print functions.

④ Document Name

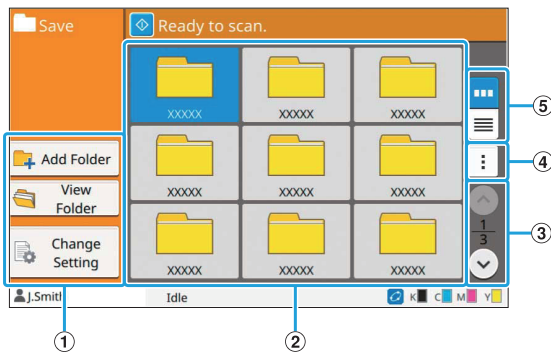
The name of the selected document is displayed here.

[Storage] Screen

You can operate and check stored jobs on this screen.

The Storage mode has two functions: [Save], which allows you to save data to a folder, and [Load], which enables printing of documents saved in a folder.

■ Folder List Screen in [Storage] - [Save]



① Function Buttons

Select a function that can be used in Storage mode.

② View

Folders are displayed in a list in this view.

③ ▲/▼ Buttons

Use these buttons to switch the view pages.



The current page and total number of pages are displayed.

④ Sub Menu

You can change the color and name of a folder.

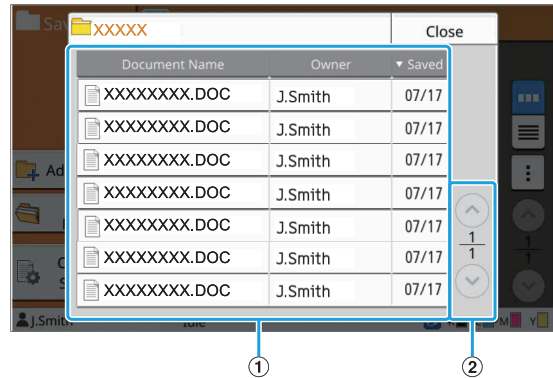
⑤ View Selection Buttons

You can select whether to view folders as icons or as a list.

-  : View as icons
-  : View as list

■ Document List Screen in [Storage] - [Save]

This screen appears when you touch [View Folder] on the folder list screen.



① View

The documents saved in a folder are displayed in a list.

[Document Name], [Owner], and [Saved] are displayed.

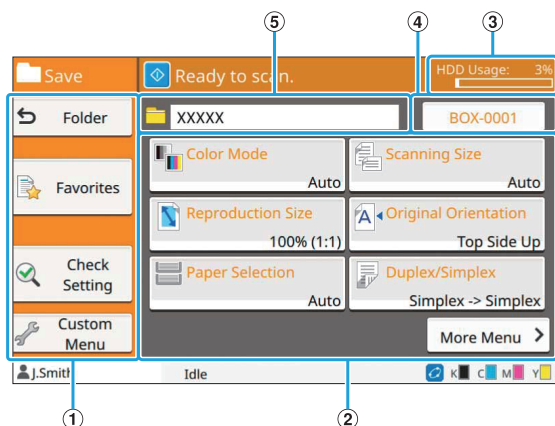
② ▲/▼ Buttons

Use these buttons to switch the view pages.

The current page and total number of pages are displayed.

■ Change Setting Screen in [Storage] - [Save]

This screen appears when you touch [Change Setting] on the folder list screen.



① Function Buttons

Select a function that can be used in Storage mode.

② Setting Buttons

Use these buttons to set up storage (save) functions.

③ [HDD Usage] Indicator

The internal hard disk space currently used is indicated as a percentage.

④ Document Name Button

Press this button to open the [Document Name Setting] screen. Use this button to name a document.

⑤ Destination Folder

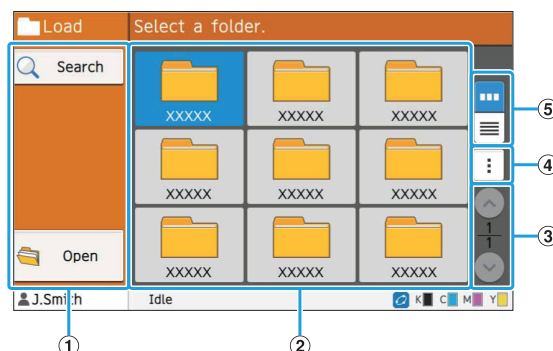
The name of the destination folder selected on the folder list screen is displayed here.



- If the available space on the internal hard disk is low, delete unnecessary documents in the folder to increase available space.

- You can save up to 1,000 files in one folder.

■ Folder List Screen in [Storage] - [Load]



① Function Buttons

Select a function that can be used in Storage mode.

② View

Folders are displayed in a list in this view.

③ ▲/▼ Buttons



Use these buttons to switch the view pages. The current page and total number of pages are displayed.

④ Sub Menu

You can change the color and name of a folder.

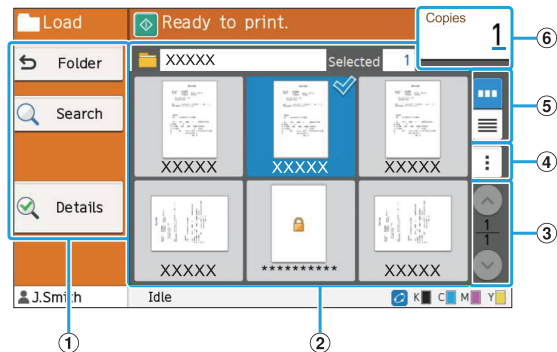
⑤ View Selection Buttons

You can select whether to view folders as icons or as a list.

-  : View as icons
-  : View as list

■ Document List Screen in [Storage] - [Load]

This screen appears when you touch [Open] on the folder list screen.



① Function Buttons

Select a function that can be used in Storage mode.

② View

The documents saved in a folder are displayed in a list.

③ ▲/▼ Buttons

Use these buttons to switch the view pages.

The current page and total number of pages are displayed.

④ Sub Menu

You can change the name of the selected document, edit the settings for the document, or delete the document.

You can also copy the selected document to a USB flash drive or another folder.

⑤ View Selection Buttons

You can select whether to view the documents as thumbnails or as a list.

- : View as thumbnails
- : View as list

⑥ Copies

Enter or check the number of copies to print.

[USB] Screen

You can operate and check USB jobs on this screen.

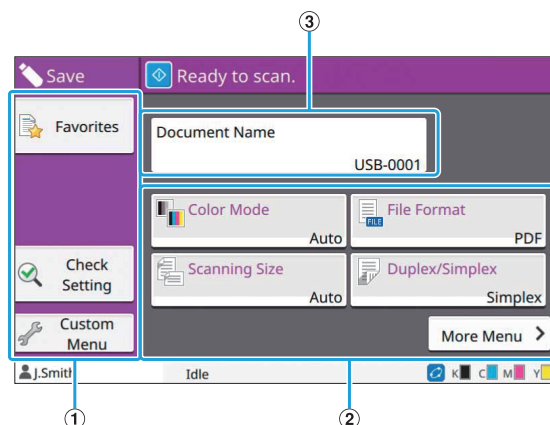
The USB mode has two functions: [Save], which allows you to save the scanned data to a USB flash drive, and [Load], which enables printing of documents (PRN files) saved to a USB flash drive from the printer driver.

For specific instructions on how to save a document to a USB flash drive, see "Output and Destination" (p.107) in "Printing".



- Only PRN-format files can be printed.
- PRN files are output by the printer driver in a format that was developed exclusively for RISO KAGAKU CORPORATION. PRN files cannot be opened using printers or applications by other manufacturers.

■ Setting Screen in [USB] - [Save]



① Function Buttons

Select a function that can be used in USB mode.

② Setting Buttons

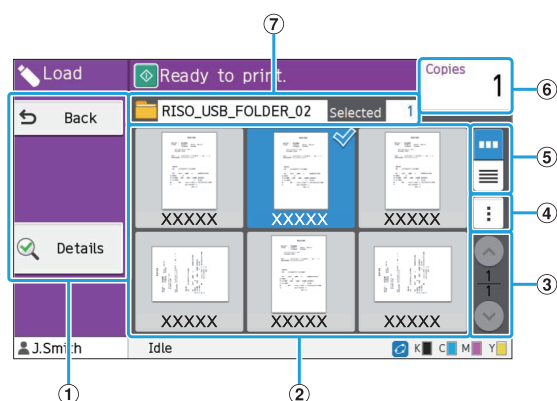
Use these buttons to set up USB Save functions.

Touch [More Menu] to display other setting buttons.

③ [Document Name] Button

Press this button to open the [Document Name Setting] screen. Use this button to name a document.

■ Document List Screen in [USB] - [Load]



① Function Buttons

Select a function that can be used in USB mode.

② View

The folders and documents saved on a USB flash drive are displayed in a list.

③ ▲/▼ Buttons



Use these buttons to switch the view pages. The current page and total number of pages are displayed.

④ Sub Menu

You can change the print settings for the selected document or copy the document to a folder on the internal hard disk.

⑤ View Selection Buttons

You can select whether to view the folders and documents as thumbnails or as a list.

-  : View as thumbnails
-  : View as list

⑥ Copies

Enter or check the number of copies to print.

⑦ Folder Name

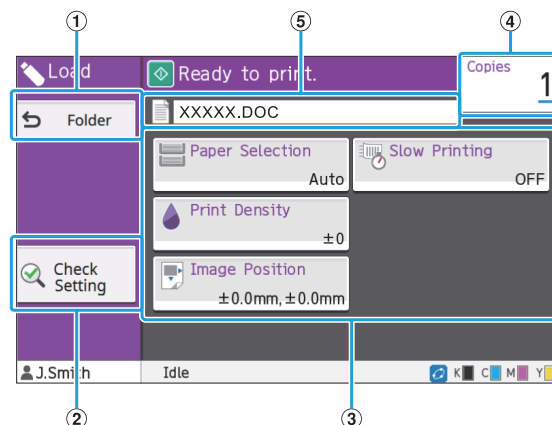
The name of the selected folder or the folder where the document is saved is displayed here.

■ Change Setting Screen in [USB] - [Load]

This screen appears when you touch [Change Setting] in the sub menu on the document list screen.



- When you select a PDF file, this screen appears when you touch [Print Setting].



① [Folder] Button

Touch this button to display the document list screen.

② [Check Setting] Button

Touch this button to display the [Check Setting] screen.

③ Setting Buttons

Use these buttons to set up USB Load functions. When you select a PDF file, touching the [More Menu] button will bring up other setting buttons.

④ Copies

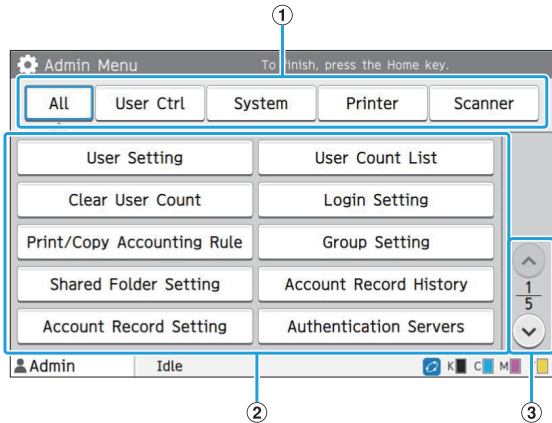
Enter or check the number of copies to print.

⑤ Document Name

The name of the selected document is displayed here.

[Admin Menu] Screen

This screen is only displayed when you are logged in as an administrator. You can access the settings that an administrator can use and modify. For more information, see the separately provided "Administrator's Guide".



① Category Selection Buttons

The categories of administrator menu setting buttons are displayed here.

Touch [All] to show all setting buttons in the administrator menu.

② Setting Buttons

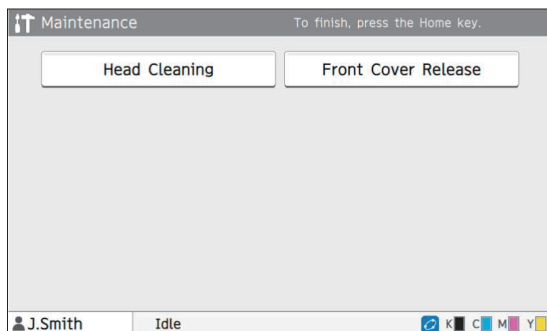
Use these buttons to set up the administrator menu functions.

③ ▲/▼ Buttons

Use these buttons to switch pages.

[Maintenance] Screen

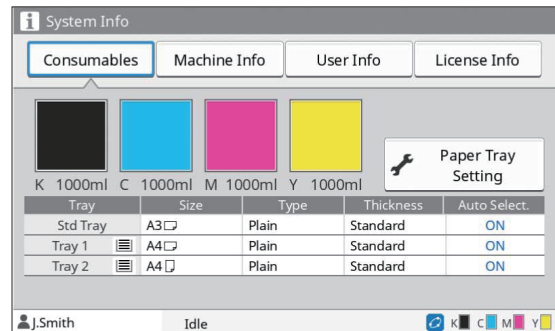
The [Head Cleaning], [Front Cover Release], and other functions are available on this screen. For more information, see the separately provided "Troubleshooting Guide".



[System Info] Screen

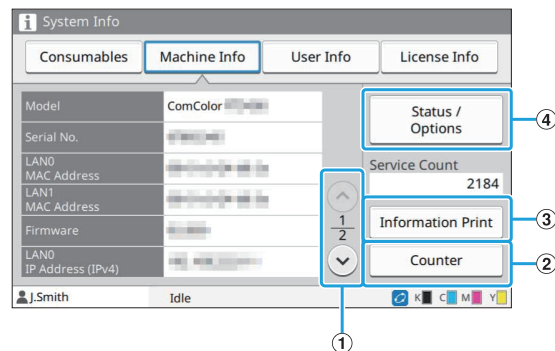
■ Consumables Screen

This screen displays the status of consumables, such as paper and ink. You can also change the tray settings.



■ Machine Info Screen

This screen displays information about this machine.



① ▲/▼ Buttons

Use these buttons to switch pages.

② [Counter] Button

Touch this button to view the detailed count for each paper size as well as a meter reading report.

③ [Information Print] Button

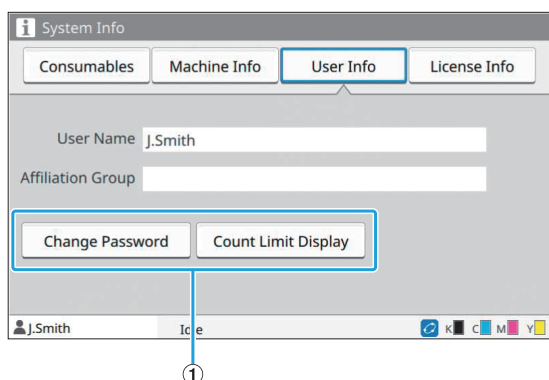
Touch this button to print the system information or a sample image.

④ [Status / Options] Button

Touch this button to display information on the connected optional equipment and its status.

■ User Info Screen

This screen displays the user names and groups of the users logged in.



① Information Buttons

You can display the usage status of the user. Touch [Change Password] to change the password. If a copy or print limit is set by an administrator, touch [Count Limit Display] to view the usage status. If you are using an optional IC card reader, touch [IC Card] to register the card information for users logged in.



- If you are using an external system link, the following buttons are also displayed.
 - [View Balance]: You can check the balance of each user who is logged in.
 For more information on the billing system using the [External System Link] function, contact your dealer or authorized service representative.

■ License Info Screen

This screen displays the license information of the system used with this product.

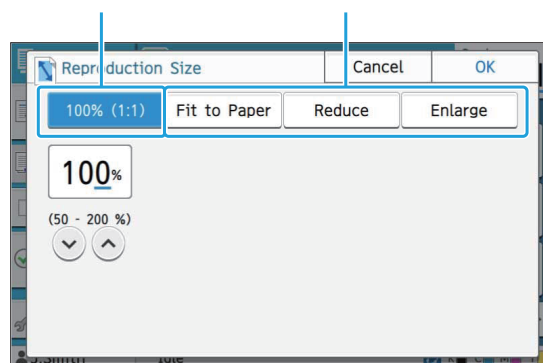
Touch Panel

You can operate the machine by using the touch panel and keys on the operation panel. To use a button on the touch panel, touch it with your finger.

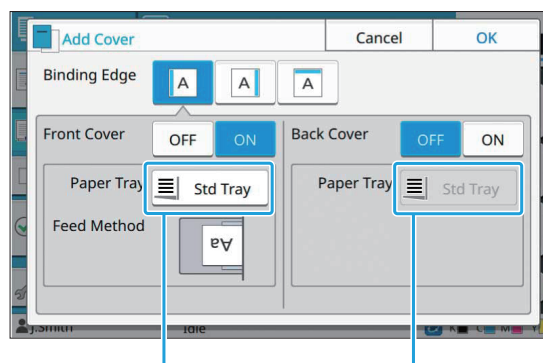
Selecting a Button

To select a button on the touch panel, touch the button with your finger. The selected button will turn blue.

Selected button Buttons not selected



Buttons that are not available under the current conditions are grayed out. You can use these buttons when the required conditions are met. Contact your administrator for details.

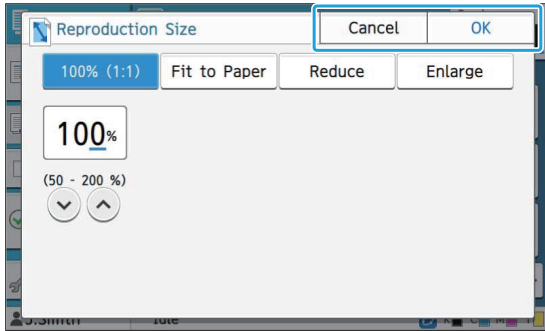


This option is available because [Front Cover] is set to [ON].

This option is not available because [Back Cover] is set to [OFF].

Confirming / Canceling a Setting

When [OK] is displayed on a screen, you must touch [OK] to save the settings. If you do not touch [OK], the settings may be canceled. To cancel the settings you have edited, touch [Cancel].



Colors of Setting Buttons

When a setting is changed, the setting button turns color to indicate that the setting has been changed from the default value.



Entering Text

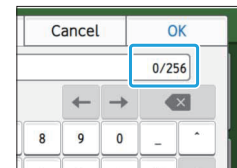
When entering user names or passwords, enter the required information on the text input screen.

1 Touch the characters you want to enter one by one.

To move the cursor, touch [→] or [←]. Touch [✕] if you need to erase a character to the left of the cursor.



- If the available characters are restricted, as is the case with passwords, the characters that cannot be used are grayed out.
- To enter the upper case letter, touch [Shift] first, and enter the character. To return to the lower case letter input, touch [Shift] again.
- The maximum number of characters that can be entered and the current number of characters entered are displayed to the right of the text input field.



2 After entering the text, touch [OK].



- Depending on the entry area, touching the area may not open up an entry screen. In such cases, enter text using the numeric keys.
- The current selected area is indicated by a flashing short line under numbers or letters. To switch the area, touch the area that you want to enter text in.

Preparation

This chapter explains how to turn on the power, log in, load paper, and other preparatory work to make this machine ready for use.



- When using the feed tray, you do not need to set the standard tray.
- With the RISO console, you can check the status of the machine on your computer. (p.146 "Overview of the RISO Console")

Power

The machine has two power switches: the main power switch and the [Power] key. Use the main power switch to turn on the main power to the whole printer.

Press the [Power] key to start this machine.



- To turn off the power to this machine in normal use, press and hold the [Power] key on the operation panel.
- Do not turn off the main power unless there is a risk of lightning strike or the machine is not going to be used for an extended period of time.

Turning On the Power

1 Make sure that the power plug is inserted into an electrical outlet.

2 Turn on the main power switch.

The [Main Power] LED on the operation panel turns on.

3 Press the [Power] key on the operation panel.

The power turns on and the [Power] key lights up.

Turning Off the Power

1 Press and hold the [Power] key on the operation panel.

2 Check that the [Power] key is off, then turn off the main power switch.

The [Main Power] LED turns off.



- To turn on the main power again, first make sure that the [Main Power] LED is off.
- Remove the power plug only after turning off the main power switch.

Power-saving Features

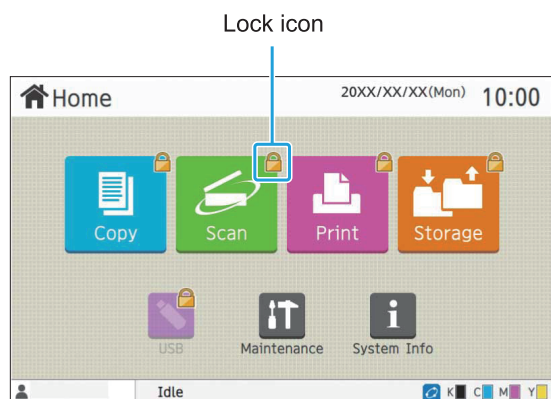
If you leave the machine unattended for some time, it automatically goes to power saving mode. The power saving mode has two states: the backlight off state and sleep state. The respective transition times and power consumption in sleep are set by the administrator.

When the power saving mode turns on, the touch panel turns off, and the [Wake Up] key turns on. When you press the [Wake Up] key, the power saving mode is canceled, and the machine returns to normal operating mode.

The machine takes longer to recover from sleep state than from backlight off state.

Login

Lock icons in the upper right corner of mode buttons indicate that you must log in to access those modes.



- When logging in for the first time, you need the temporary password that is issued by the administrator.

Logging In

- When using an optional IC card reader, you can log in by holding the IC card over the card reader.

- 1 Press the [Login/Logout] key.
- 2 On the [Login] screen, select your name.

To find your name, press [▲] or [▼] to scroll through names, or press the index button to display user names.

The [Password Input] screen appears after you select your name.

- 3 Input your password and touch [Login].

Follow the displayed instructions for operation.

- When logging in for the first time, change the temporary password to your own password.

When you are successfully logged in, the [Home] screen appears again.

Your user name is displayed at the bottom left of the screen.

- After finishing operations, be sure to press the [Login/Logout] key to log out.

- Contact your administrator if you cannot find your name, or if you have forgotten the password.
- If your user name does not appear at the bottom left of the [Home] screen, touch the mode button and perform the operations described in steps 2 and 3 under "Logging In". When you are successfully logged in, the screen for the selected mode appears.

Changing the Login Password

- 1 Touch [System Info] on the [Home] screen after logging in.
- 2 Touch [User Info] - [Change Password].
- 3 Enter the new password and touch [Next].
- 4 On the [Change Password (confirm)] screen, enter the new password again and touch [OK].

Loading Paper

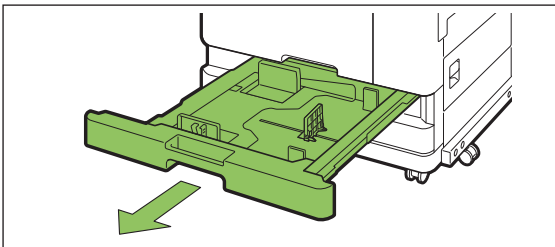
Load paper in the feed trays, the standard tray, and the additional tray (Optional).



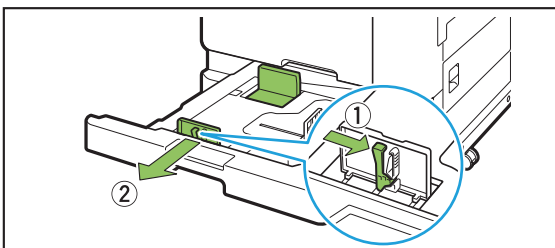
- We recommend loading the feed trays with types of paper you will use most often.
 - Use the standard tray for the following types of paper.
 - Thick paper and other special paper
 - Preprinted paper
 - Postcards
 - Envelopes
- For more information, see "Printing Paper" (p.25).
- For more information on how to load paper in the additional tray, see "Loading the paper" (p.173).

Loading Paper in the Feed Trays

- 1 Pull a tray out, toward the front.

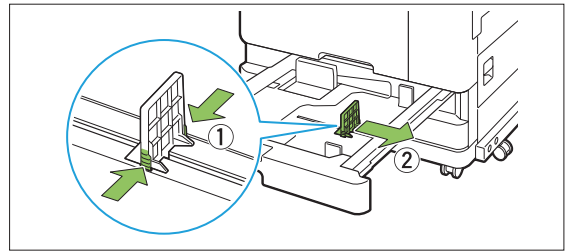


- 2 Hold the lever of the paper feed guide, and pull it forward to spread the paper feed guide until it stops.



- 3 Move the stopper to make space.

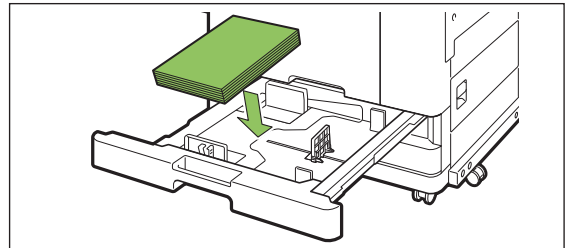
Move the stopper by holding both sides.



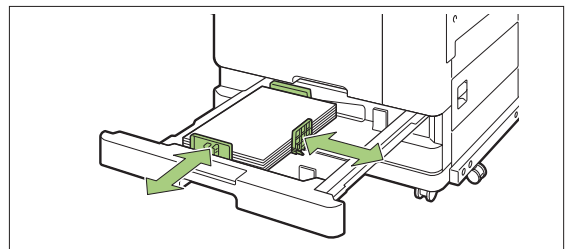
- 4 Load the paper.

When using paper with different characteristics on the front and back sides, load the printing side face down. Do not load too many sheets.

When loading the paper, be careful not to let its edge contact the paper guides to prevent it from being bent.

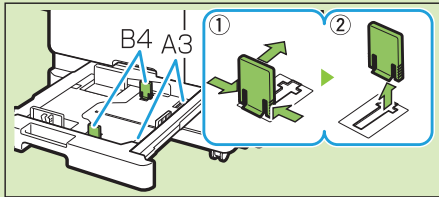


- 5 Move the paper feed guide and stopper against the edge of the paper.





- The machine detects the size of the paper based on the stopper position. Be sure to move the guide and stopper against the edge of the paper.
- To set A3 paper or B4 paper, install the A3/B4 paper guide properly for each type. Pinch both sides of the A3/B4 paper guide, slide it out and then slide it into the appropriate hole for the desired paper size.



When using B4 paper

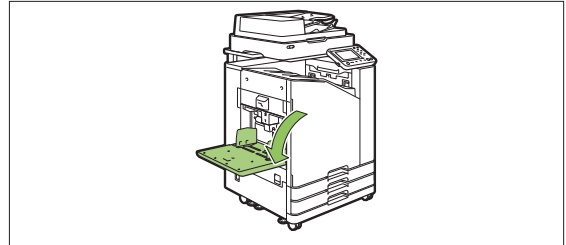
6 Push the tray back into the machine.

7 On the operation panel, check the tray settings.

When you have switched to a different type or size of paper, update the feed tray settings. (p.59 "Paper Selection")

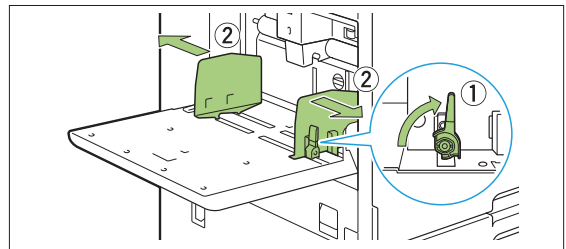
Loading Paper in the Standard Tray

1 Open the standard tray until it stops.



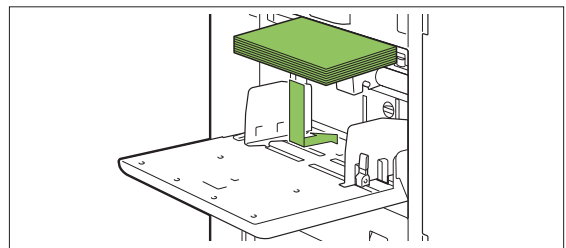
2 Spread the guides.

Raise the paper feed guide levers (both sides) to unlock and slide the guides.



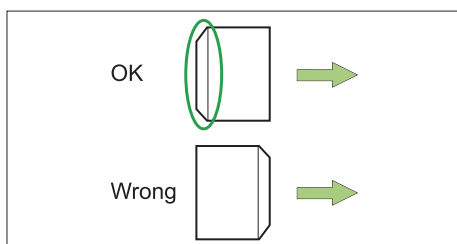
3 Load the paper.

Load paper with the printing side face up.





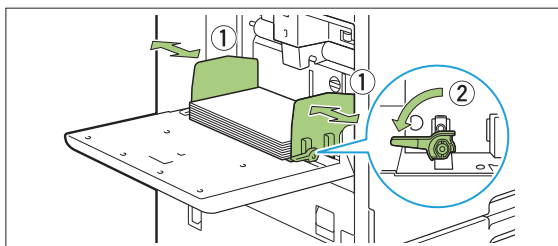
- When printing on envelopes, it is recommended that you connect the optional stacking tray and envelope feeder.
- Be sure to load envelopes with their flaps open and their bottom side entering the machine first.



- The [Rotation] feature is useful for printing on envelopes from a computer.

4 Adjust the paper guides so that they are suitable for the paper size.

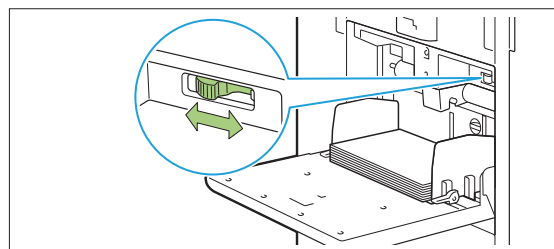
Move the guides against the edges of the paper, and push the lever to lock.



- The machine detects the paper size at the guide position. Be sure to move the guide and stopper against the edge of the paper.
- Do not place spare paper on the paper size detection sensor when loading A4, Letter, or A5 size paper. If the sensor is blocked, the machine cannot detect the paper size correctly.

5 Adjust the paper feed pressure adjustment lever.

For general use, set to "✕ (NORMAL)". For envelopes, drawing paper, postcards, and similar products, set to "✕ (CARD)".



6 On the operation panel, check the tray settings.

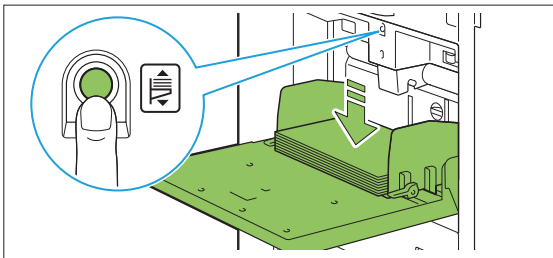
When you have switched to a different type or size of paper, update the feed tray settings. (p.59 "Paper Selection")

Adding or Switching Paper in the Standard Tray

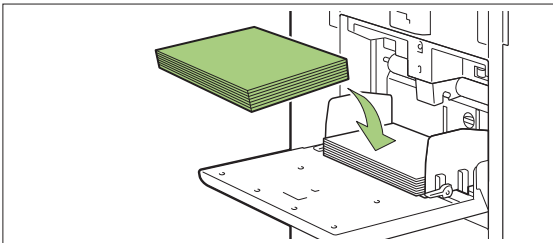
Press the standard tray descent button when loading additional sheets or when switching paper. Note that the standard tray is automatically lowered when all paper is removed.

1 Press the standard tray descent button to lower the standard tray.


Hold the button down until the tray reaches the desired position.



2 Load additional paper, or switch the loaded paper.

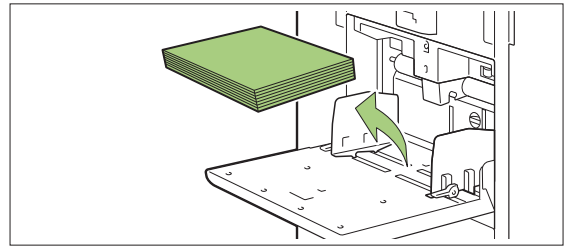


Closing the Standard Tray


 • Make sure that the power is on when you perform this operation.

1 Remove the loaded paper.

The standard tray starts lowering.



2 Close the standard tray.

 • Make sure the standard tray is all the way down before closing it.

Installing the Printer Driver

If you want to send data from a computer to print on this machine, you must first install the printer driver onto the computer.



- Log in as a user with administrator privilege.
- Close all active applications.
- For specific instructions on how to uninstall the printer driver, see the separately provided "Administrator's Guide".
- If you are using Mac OS or Linux, install the optional PostScript kit.
- For US customers
Selecting "English" as the preferred language and "inch" as the unit of length will apply inch size paper [LETTER size] as a default setting. The default paper size can be altered after finishing of installation.

Operating Environment

The computer's system requirements for activating the printer driver are recommended in the table below.

Memory	8 GB or more
CPU	Core i5-8400 2.8GHz or higher grade
Display	1024 × 768 or greater resolution

Installing

1 Load the included DVD-ROM in the computer's DVD-ROM drive.

The installation wizard automatically starts up. If the installation wizard does not start up, double-click the file "Install.exe" on the DVD-ROM.

2 Select the series of your printer in the pull-down menu and click [OK].

3 Select the desired language in the pull-down menu and click [OK].

4 Click [Next].

5 Follow the on-screen instructions to configure the settings.

6 When the message for printing a test page is displayed, click [Yes].

7 Confirm that the test page is printed correctly and click [OK].



- Pressing [Show "ReadMe" text.] displays the "Readme" screen that includes precautions for using the machine. Be sure to read this information.

8 Click [Finish].

When the printer driver is installed over the existing one, the computer restarts.



- If you do not want to restart the computer now, remove the check mark from the [Restart now] check box before clicking [Finish].

9 Remove the DVD-ROM from the computer.



- When using the printer driver for the first time or adding optional equipment to the machine, configure the printer configuration. When optional equipment is connected, first configure the settings to use certain functions. The unavailable functions are grayed out. (p.121 "[Environment] Tab")
- Keep the DVD-ROM in a safe place for future reference.

About Jobs

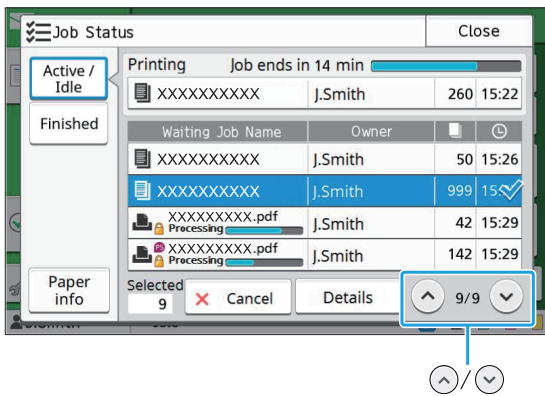
This section describes how to use [Details], [Print], [Delete], and other functions available from the Document List of each screen. You can press the [Job Status] key to check jobs that are in progress or finished.



- A job is the unit of tasks performed by this machine in each mode (e.g. Print mode, Copy mode).
- In the following cases, the job name is displayed as "*****".
 - Jobs with the [Hide Job Name] check box selected on the printer driver (p.119 "PIN Code")

[Active / Idle] Screen

Touching [Active / Idle] displays a list of jobs in progress and jobs waiting to be printed. Jobs are printed in order from the top of the list.



- Output order (order of job priority) under [Active / Idle]
When interrupt copy is performed on the machine, the interrupt copy job has priority over jobs sent from the printer driver.

Job List

The job list displays the job name, status, owner name, number of copies, and receiving time for jobs that are being printed, in processing, and waiting to be printed.

An icon indicating the job type is displayed on the left side of the job name.

Icon	Job Type
	Copy job
	Print job
	Storage (Load) job
	USB (Load) job
	PS job (when using the optional PostScript kit)
	Job with a PIN code
	Broken job



- Touch / to switch the pages in the list.

Checking the Current Status of a Job

The current status of the job being printed and processed is displayed with a progress bar. The expected finish time is also displayed for the jobs currently printed.



- If the Mixed Size Original function is used or when the number of pages of the print job is unknown, the expected finish time will not be displayed.

Canceling a Job

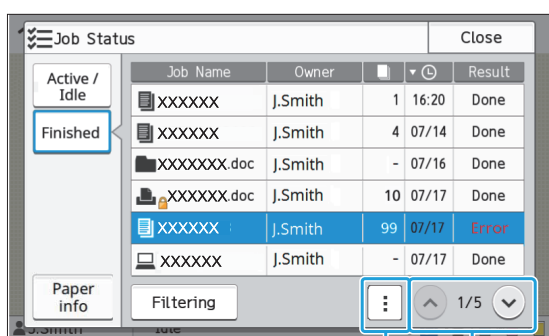
To cancel a job, select the job that you want to cancel and either touch [Cancel] or press the [Stop] key. To cancel a job with a PIN code, you need to enter the PIN code.

Checking the Details of a Job

Touch [Details] to view the details of a job in progress or waiting to be printed.

[Finished] Screen

Touch [Finished] to display a list of completed jobs.



Sub menu ⬆️/⬇️

You can check the job name, owner, number of printed copies, print date/time, and processing result.

An icon indicating the job type is displayed on the left side of the job name.

Icon	Job Type
	Copy job
	Print job
	Scan (Mail) job
	Scan (PC) job
	Scan (Console) job
	Storage (Save) job
	Storage (Load) job
	USB (Save) job
	USB (Load) job
	PS job (when using the optional PostScript kit)
	Job with a PIN code
	Broken job



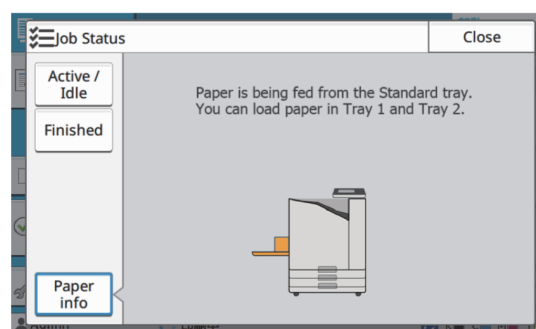
- Touch the sub menu to check the details of a job, print the job again, or delete the job.
- Touch [Filtering] to set the types of completed jobs to be listed.
- Touch ⬆️/⬇️ to switch the pages in the list.

- Touch categories such as [Job Name] or [Owner] to switch the sorting order between ascending and descending for display.
- This list also displays a history of processed jobs. The save period and number of jobs displayed in the list are specified by the administrator. Contact your administrator for details.

[Paper info] Screen

Touch [Paper info] to display the tray which is feeding paper.

When you want to add paper during printing with the machine, check the available tray on this screen.



- For ComColor FT5231/FT5231R, the [Paper info] screen is not displayed.

Copying

Paper documents are scanned and copied using a scanner.

Different copying options are available to suit your purpose and applications, for example, duplex copying and copying multiple paper documents to one sheet.

Overview of Copy Operations

p.54

1. Load the original.



2. Touch [Copy] on the [Home] screen.



3. Change the settings.



4. Specify the number of copies using the numeric keys.



5. Press the [Start] key.

Copy Settings

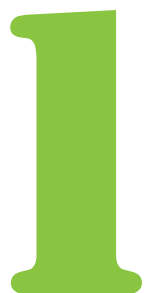
p.59

This section explains each copy setting in detail.

Copy Mode Function Buttons

p.78

This section explains the functions available in Copy mode.



1



Copying

Overview of Copy Operations

This section explains the basic copy operations.

Procedure

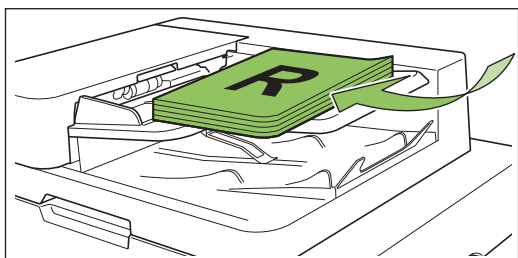
1 Load the original.

For more information on the types of originals that can be used, see "Originals" (p.24).

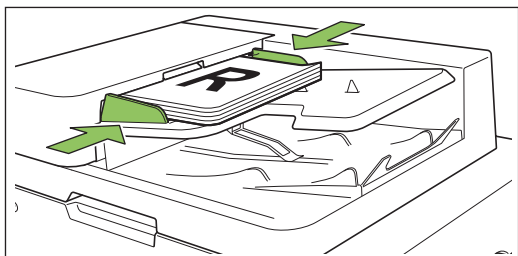
■ In the ADF

1) Load the original in the ADF.

Align the originals and place them face up.



2) Slide the original guides to match the width of the originals.

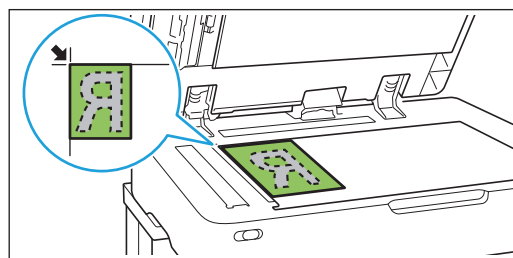


■ On the Platen Glass

1) Open the original cover.

2) Load the original.

Load the original face down on the glass. Align the corner of the original with the upper-left corner of the glass.

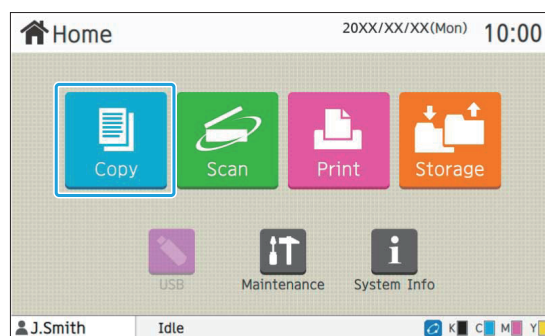


3) Close the original cover.



• Open and close the original cover gently.

2 Touch [Copy] on the [Home] screen.



3 Change the settings.

Specify the copy finishing settings.

For more information on the functions that can be configured, see "List of Settings" (p.57).

4 Specify the number of copies using the numeric keys.

Enter the desired number of copies, up to a maximum of 9,999.

5 Press the [Start] key.

The [Copying] screen is displayed, and copying of the original starts. The current status is displayed on the screen.



- When you touch [Slow Printing] and select the check box, the printing speed will slow down. This also reduces the amount of noise produced by the machine when printing jobs.
- When you need to copy a document while a job is being printed, press the [Interrupt] key to pause the current job, and start another copy job.

■ When using the platen glass to scan an original with several pages

After scanning one page of an original, a screen with a message asking whether there is another page to be scanned appears. When there is another page to be scanned, load the next page and touch [Scan]. After all pages of the original are scanned, touch [Scanned].



- The confirmation screen above is displayed when [Sort] is set to [Collated]. (p.62 "Sort")

Loading the Next Copy Job

During copying, once scanning of the original is completed, you can begin scanning the next original.

1 Press [Close] on the [Copying] screen.

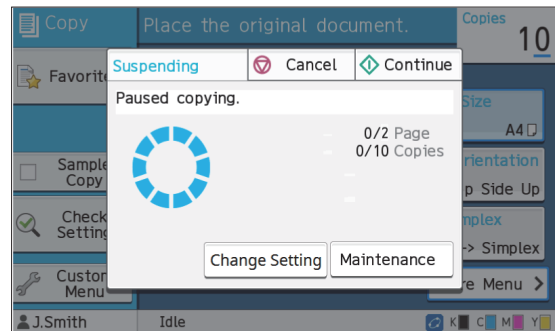
2 Load the next original and press the [Start] key.

A message appears, and the original is copied as the next job.

Canceling Copying

1 Press the [Stop] key.

The [Suspending] screen is displayed.



2 Touch [Cancel].

The [Confirm] screen is displayed.

3 Touch [OK].

Copying is canceled.

4 Touch [Close].

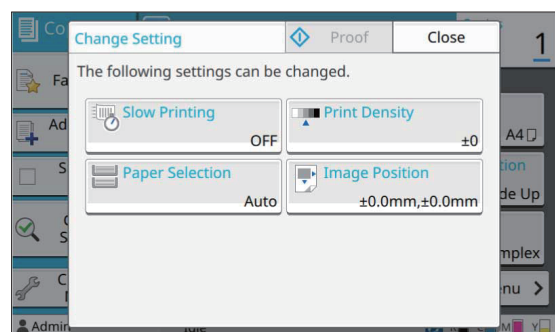
Changing the Settings During Copying

1 Press the [Stop] key.

The [Suspending] screen is displayed.

2 Touch [Change Setting].

The [Change Setting] screen is displayed.



3 Change the settings.

- You can change the following settings.
- Slow Printing (p.76 "Slow Printing")

- Print Density (p.63 "Print Density")
- Paper Selection (p.59 "Paper Selection")
- Image Position (p.70 "Image Position")



• If you touch [Proof], only one copy of the page that was being processed when the [Stop] key is pressed is output.

4 Touch [Close].

5 Touch [Continue].

Copying of the job with changed settings starts.

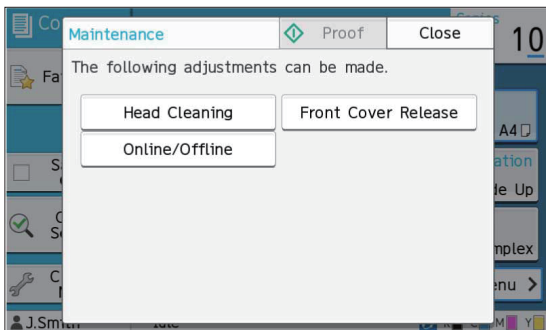
Performing Maintenance During Copying

1 Press the [Stop] key.

The [Suspending] screen is displayed.

2 Touch [Maintenance].

The [Maintenance] screen is displayed.



3 Make the necessary adjustments.

The following maintenance options are available.

- Head Cleaning
- Paper Guide Control
- Online/Offline
- Front Cover Release



• Touch [Online/Offline] to display the [Online/Offline] screen.
When this setting is set to [OFF], the machine will not receive jobs from network devices such as computers. This option is convenient when you want to use the machine exclusively without being interrupted by other job.

- For more information on [Head Cleaning] and [Front Cover Release], see the separately provided "Troubleshooting Guide".
- If you touch [Proof], only one copy of the page that was being processed when the [Stop] key is pressed is output.
- If you are using the optional auto-control stacking tray, you can adjust the position of the stacking tray from [Paper Guide Control].
For more information, see the separately provided "Troubleshooting Guide".

4 Touch [Close].

5 Touch [Continue].

The copy job is resumed with the adjustment applied.

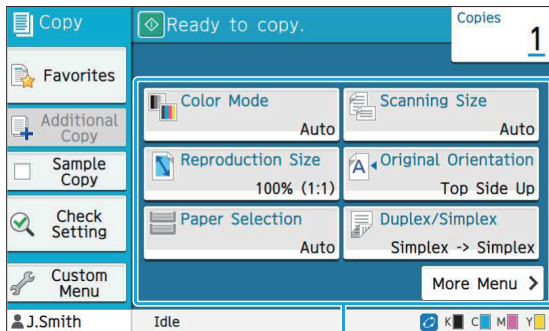
List of Settings

The following is a list of settings available in Copy mode.

Setting item	Description	See
Color Mode	Select color or monochrome printing.	p.59
Reproduction Size	Use this to reduce or enlarge the copied image.	p.59
Paper Selection	Change the paper tray, paper type, and feed control settings according to the copying paper.	p.59
Scanning Size	Specify the scanning size for originals.	p.61
Original Orientation	Specify the orientation of the original.	p.61
Duplex/Simplex	Specify the sides of the original to be scanned and the sides of the paper to be printed on.	p.62
Sort	Specify the printing method for making multiple copies of the original.	p.62
Scanning Level	Adjust the scanning level of originals.	p.62
Print Density	Specify the print density.	p.63
ADF Scan & Pause	Use this option to copy as one job even when having to load the original in multiple sets due to the large number of pages in the original.	p.63
Mixed Size Original	Use this option when multiple different original sizes are used in the original.	p.63
Book Shadow Erasure	Use this option to remove shadows that appear in the center of copies when an open book is copied.	p.64
Page Split	Use this option to scan double-spread pages into two parts (right and left).	p.64
Combine	Use this option to impose continuous pages onto one sheet.	p.65
Image Repeat	This function imposes multiple copies of the same original onto one sheet.	p.66
Booklet	Specify the imposition when creating a booklet. When the optional multifunction finisher is connected, creating the booklets with saddle stitch stapling is also available.	p.66
Stamp	Use this option to print the page number, date, and text on the header or footer.	p.66
Page Border	Use this option to add a border line in the margins of the paper.	p.68
Image Quality	Specify the resolution for scanning originals.	p.68
Original Type	Select the original type so that the appropriate image processing is performed before printing the scanned data.	p.69
Gamma Correction	Use this option to adjust the color balance (CMYK) of the scanned data.	p.69
Image Control	Specify the image processing of the original.	p.69
Base Color Level	Make the background color (base color) lighter so that the text is easier to read.	p.70
Image Position	Specify this when adjusting the print position.	p.70
Overlay	Make copies upon layering an image that has been saved on the storage.	p.70
Program	Specify this when the number of required copies varies by group (such as corporate division or classes). You can quickly print exactly the number of copies of the number of sets you need.	p.72
Add Cover	Specify this to add front and back covers to the front and back of the printout.	p.74

Setting item	Description	See
Separation	Configure the settings for slip sheets. When the optional multifunction finisher or face down finisher is connected, the offset output setting is also available.	p.74
Binding Margin	Specify the binding margin.	p.75
Staple / Punch	Configure the settings for staples. (When using the optional face down finisher)	p.171
	Specify the staple and punch settings. (When using the optional multifunction finisher with the punch unit)	p.186
Fold	Configure the settings for the paper folding. (When using the optional multifunction finisher with the folder unit)	p.188
Slow Printing	Use this option to slow down the printing speed. This also reduces the operating sound of the job being processed.	p.76
Output Tray	Select the output tray for printouts. (When using the optional multifunction finisher)	p.189
	Select the output tray for printouts. (When using the optional stacking tray)	p.193
Face Up/Down	Specify whether to output printouts face up or face down to the tray. (When using the optional multifunction finisher)	p.189
	Specify whether to output printouts face up or face down to the tray. (When using the optional stacking tray)	p.194
Output Tray Relay	Use this option to automatically switch the output tray when the one being used becomes full. (When using the optional multifunction finisher)	p.190
	Use this option to automatically switch the output tray when the one being used becomes full. (When using the optional auto-control stacking tray)	p.194
Paper Tray Relay	Use this option to automatically feed paper from a different tray with the same paper size and paper type when the selected tray runs out of paper.	p.76
Auto Image Rotation	Use this option to rotate the image 90 degrees automatically when the orientation of the original and paper do not match.	p.76
Scan Job Build	You can collectively copy multiple originals scanned with different settings as one job.	p.76
Interrupt Copy	By using this function, you can pause the job being printed to copy another job.	p.77
Favorites	This function calls frequently used settings.	p.78
Additional Copy	Use this option when copying the original that was just copied, again, without re-scanning.	p.78
Sample Copy	Use this option to check the printing result when making a large number of copies; the machine stops after printing one copy.	p.78
Check Setting	Use this option to check the current settings.	p.79
Custom Menu	Register favorites and default settings, and edit the button order.	p.79

Copy Settings



Setting buttons

Color Mode

Select color or monochrome printing.

[Auto]

Select this option if you want the machine to automatically detect the color of the original and copy in color (cyan, magenta, yellow, and black) or black and white.

[Full Color]

Select this option to copy by converting the original data to four-color data (using cyan, magenta, yellow, and black).

[Black]

Select this option to copy in one color (black) regardless of the color of the original.

[Cyan]

Select this option to copy in one color (cyan) regardless of the color of the original.

[Magenta]

Select this option to copy in one color (magenta) regardless of the color of the original.

1 Touch [Color Mode].

The [Color Mode] screen is displayed.

2 Select the color mode.

3 Touch [OK].

Reproduction Size

Copy at the specified reproduction size.

[100% (1:1)]

Select this option to copy at 100%.

[Fit to Paper]

The reproduction size is set automatically based on the original size and paper size. (p.59 "Paper Selection")

[Reduce]

Select this option to copy by reducing a standard size original to fit another standard size paper.

[Enlarge]

Select this option to copy by enlarging a standard size original to fit another standard size paper.

Manual

Specify the reproduction size to enlarge or reduce the original when copying.

1 Touch [Reproduction Size].

The [Reproduction Size] screen is displayed.

2 Specify the reproduction size.

To use a user-defined reproduction size, touch [▼] or [▲] to specify the size. You can also enter the number using the numeric keys.

3 Touch [OK].

Paper Selection

Select the paper tray.

You can also change the tray settings (paper size, paper type, double-feed check, and auto selection).

[Auto]

Select this option if you want the paper tray to be automatically selected from the tray selection.

Paper tray selection

When using a paper size that is different from the original size, or to use a tray with [Auto Selection] not set to [ON], select a paper tray.

[Paper Tray Setting]

Change the paper tray settings.

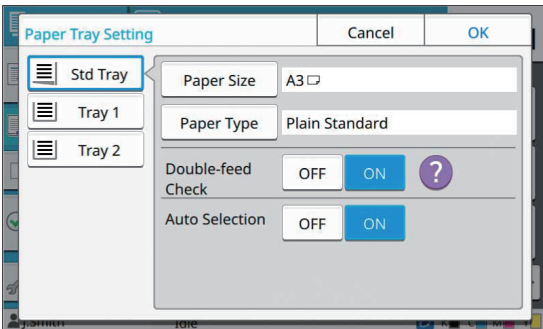
- 1 **Touch [Paper Selection].**
The [Paper Selection] screen is displayed.
- 2 **Select [Auto] or select a paper tray.**
- 3 **Touch [OK].**



• If you use the "Mixed Size Original" (p.63) option, [Paper Selection] will be set to [Auto].

Changing the Paper Tray Setting

Touch [Paper Tray Setting] to change the paper tray settings. When changing the paper loaded in a tray, be sure to change the paper tray settings.



Paper tray selection

Select the paper tray for which you are going to change the settings.

[Paper Size]

Select the paper size.

[Paper Type]

Select the paper type and thickness.

[Double-feed Check]

Select whether to check for the feeding of multiple sheets of paper. Normally, this setting is set to [ON]. This function uses light permeability to detect multiple sheets of paper, so when using paper printed on the back or paper with a dark base color or envelopes, select [OFF].

[Auto Selection]

Set this option to [ON] to make a paper tray available for automatic selection.

- 1 **Touch [Paper Tray Setting] on the [Paper Selection] screen.**

The [Paper Tray Setting] screen is displayed.

- 2 **Select the paper tray for which you are going to change the settings.**

- 3 **Touch [Paper Size].**

The [Paper Size] screen is displayed.

- 4 **Select a paper size and touch [OK].**

- 5 **Touch [Paper Type].**

The [Paper Type] screen is displayed.

- 6 **Select a paper type and touch [OK].**

- 7 **Select the [Double-feed Check] setting.**

- 8 **Select whether to make this paper tray available for automatic paper tray selection.**

- 9 **Touch [OK].**



• It is recommended that trays that are loaded with special paper (high-quality paper, color paper, thick paper, paper with letterhead, etc.) should not be set to be available for auto selection.

■ Paper Size

[Auto]

Select this option if you want standard size paper to be detected automatically.

[Standard]

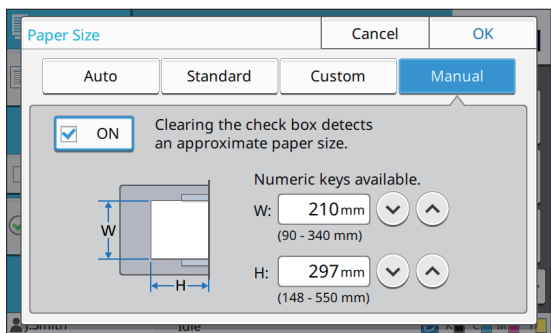
Specify the standard size.

[Custom]

Select this option to select from non-standard paper sizes registered by the administrator in advance.

[Manual]

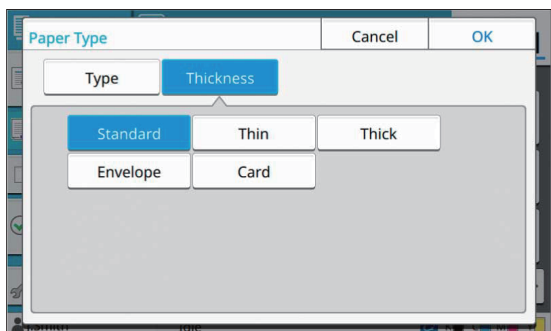
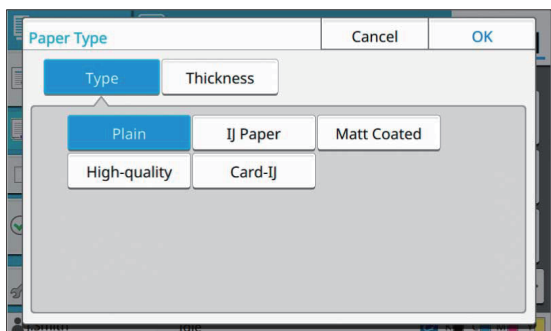
Specify the non-standard paper size that is not registered.



- If the paper size is not specified, the sheet width is set to the width of each paper tray guide. The maximum length of the relevant tray is used for the length.

■ Paper Type

[Type], [Thickness]



- If the thickness of the paper loaded in the standard tray is set to [Envelope], duplex printing cannot be performed from the standard tray.
- The machine selects the color profile according to the selected paper type. (When you change the paper type, the printing result changes.) If the printing result is not what you expected, change the paper type.

- When using special paper, you can add settings to [U1] through [U5] for [Thickness]. For more information, contact your dealer or authorized service representative.

Scanning Size

1

Specify the scanning size for originals.

[Auto]

Select this option if you want the scanning size of the original to be automatically detected.

[Standard]

Select this option when using a standard size different from that of the original.

[Custom]

Select this option to select from non-standard paper sizes registered by the administrator in advance.

[Manual]

Specify the non-standard paper size that is not registered.

1 Touch [Scanning Size].

The [Scanning Size] screen is displayed.

2 Specify the scanning size for originals.

To use a non-standard size that is not registered, touch [↓] or [↑] on the [Manual] screen to enter values. You can also enter the number using the numeric keys.

3 Touch [OK].

Original Orientation

[Top Side Up]

Select this when loading the original with the top of the original facing toward the back of the platen glass or the ADF.

[Top Side Left]

Select this when loading the original with the top of the original facing toward the left of the platen glass or the ADF (so that the text of the original is sideways).

1 Touch [Original Orientation].
The [Original Orientation] screen is displayed.

2 Select the original orientation.

3 Touch [OK].

Duplex/Simplex

Specify the combination of the sides of the original to be scanned and the sides of the paper to be printed on.

[Simplex -> Simplex]

One side of the original is scanned and printed on a single side of paper.

[Simplex -> Duplex]

One side of the original is scanned. The scanned data is then printed on both sides of paper.

[Duplex -> Duplex]

Both sides of the original are scanned and copied to separate sides of paper.

[Duplex -> Simplex]

Both sides of the original are scanned. The scanned data of the two sides are copied onto a single side of two separate sheets of paper.

[Paging Direction]

Specify whether pages are opened right/left or top/bottom.

[Original Orientation] (p.61 "Original Orientation")

How to set the combination of scanning sides and printing sides is explained below using an example of copying data scanned from a single side of the original to both sides of paper.

1 Touch [Duplex/Simplex].
The [Duplex/Simplex] screen is displayed.
• If the [Confirm] screen appears, set the original orientation to [Top Side Up] or [Top Side Left].

2 Touch [Simplex -> Duplex].

3 Specify the paging direction.

4 Touch [OK].

Sort

Specify the paper output method when making multiple copies.

[Auto]

Select this option if you want the machine to sort the copies in sets when you load the original in the ADF and sort the copies by page when you load the original on the platen glass.

[Collated]

Select this option to make copies in sets.

[Uncollated]

Select this option to copy by page.

1 Touch [Sort].
The [Sort] screen is displayed.

2 Select the sorting type.

3 Touch [OK].

Scanning Level

You can adjust the scanning level of originals. [-2], [-1], [±0], [+1], [+2]

1 Touch [Scanning Level].
The [Scanning Level] screen is displayed.

2 Select the scanning level.

3 Touch [OK].



- You can make the background color (base color) lighter so that the text is easier to read when copying text originals with a background color or originals printed on colored paper. (p.70 "Base Color Level")

Print Density

You can adjust the amount of ink to be used for printing.

[-3], [-2], [-1], [±0], [+1], [+2], [+3]

- 1 **Touch [Print Density].**
The [Print Density] screen is displayed.
- 2 **Select the print density.**
- 3 **Touch [OK].**

ADF Scan & Pause

When copying a quantity of originals that cannot be loaded at one time in the ADF, these can be copied as one job. Up to 1,000 one-sided originals or 500 two-sided originals can be copied as one job.



- The maximum number of sheets that can be loaded at one time in the ADF is 200 sheets (with a paperweight of 80 g/m² (21-lb bond)).
- Scan all originals using the ADF, and do not use the platen glass.
- [ADF Scan & Pause] cannot be used in combination with [Scan Job Build]. (p.76 "Scan Job Build")

[OFF], [ON]

- 1 **Touch [ADF Scan & Pause].**
The [ADF Scan & Pause] screen is displayed.
- 2 **Touch [ON].**
- 3 **Touch [OK].**
- 4 **Press the [Start] key.**
The [Copying] screen is displayed, and copying of the original starts. The current status is displayed on the screen.
When there are no sheets of the original in the ADF, the original add confirmation screen is displayed.

- 5 **Load the subsequent pages of the original into the ADF, and touch [Scan].**

The scanning of the original starts.
Repeat this step until all pages are scanned.

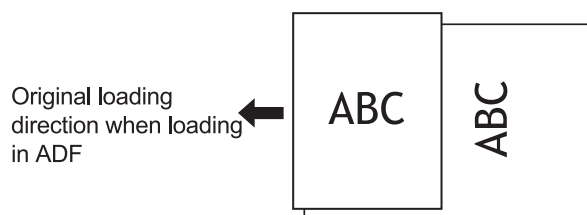
- 6 **Touch [Scanned].**
The printing of the scanned data starts.

Mixed Size Original

Use this option when loading originals of two different sizes in the ADF.

Load the original with the sides of the same length aligned (A4-LEF* and A3, B5-LEF and B4, or Letter-LEF and Ledger).

* Long Edge Feed



- [Mixed Size Original] cannot be used in combination with the [Book Shadow Erasure], [Page Split], [Combine], [Image Repeat], [Booklet], or [Page Border] option. (p.64 "Book Shadow Erasure", p.64 "Page Split", p.65 "Combine", p.66 "Image Repeat", p.66 "Booklet", p.68 "Page Border")
- You can use any combination of the original size when scanning on the platen glass.
- Use the [Mixed Size Original] option when scanning originals of different sizes on the platen glass and collating the pages.

[OFF], [ON]

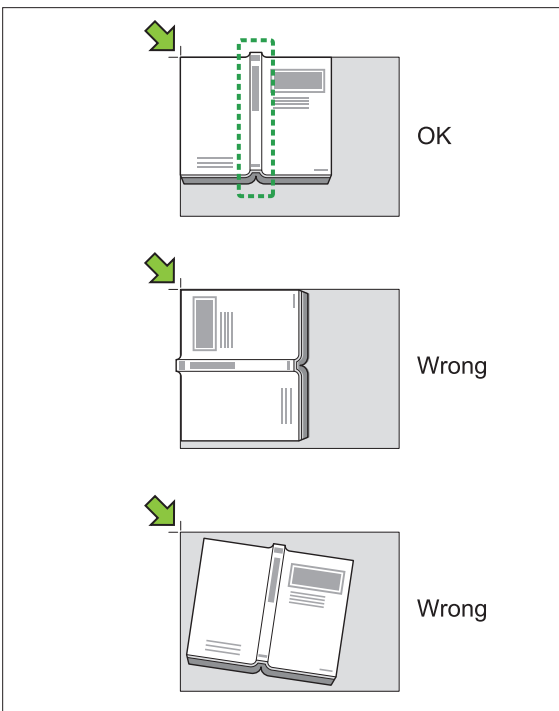
- 1 **Set [Paper Selection] to [Auto].**
For more information, see "Paper Selection" (p.59).
- 2 **Touch [Mixed Size Original].**
The [Mixed Size Original] screen is displayed.
- 3 **Touch [ON].**
- 4 **Touch [OK].**

Book Shadow Erasure

This function removes the shadows that appear in the center (inner margin) when scanning a book or other bound documents.



- When placing a book on the platen glass, place it top side up and aligned with the arrow at the upper left of the glass surface. This function cannot be used with the book placed vertically or at an angle.



[OFF], [10mm] (3/8"), [20mm] (13/16"), [30mm] (1 3/16"), [40mm] (1 9/16"), [50mm] (1 15/16"), [Page Split] (p.64 "Page Split")

- 1 Touch [Book Shadow Erasure].**
The [Book Shadow Erasure] screen is displayed.
- 2 Select the erasure width.**
- 3 Set [Page Split].**
For more information, see "Page Split" (p.64).
- 4 Touch [OK].**

Page Split

Use this option to scan double-spread pages into two parts (right and left).

The original sizes that can be page-split are as follows.

A3, A4, A5, B4, B5, Ledger, Letter



- When placing a book on the platen glass, place it top side up and aligned with the arrow at the upper left of the glass surface. This function cannot be used with the book placed vertically or at an angle.

[Page Order]

When this option is set to [OFF], the page split function is not available.

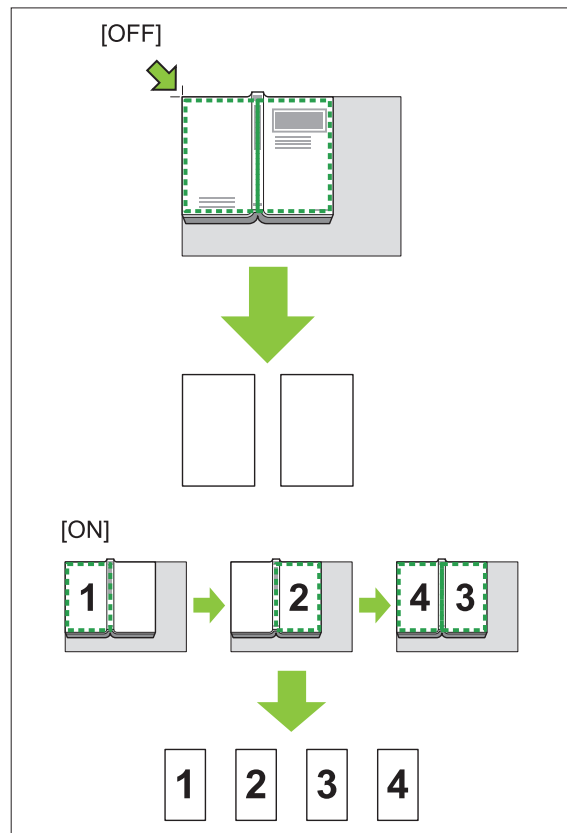
Set the page order to [Left to Right] for books that are opened from the left.

Set the page order to [Right to Left] for books that are opened from the right.

[Page Selection while Scanning]

When this option is set to [OFF], the double-spread pages are split into two pages (right and left).

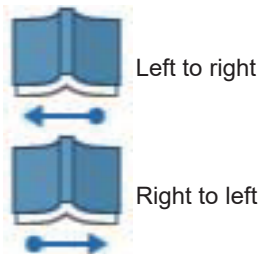
When this option is set to [ON], you can specify the scan range for double-spread pages.



How to set up a page split is explained below using an example of setting [Page Selection while Scanning] to [ON].

- 1 Touch [Page Split].**
The [Page Split] screen is displayed.

- 2 Specify the page order.**



- 3 Set [Page Selection while Scanning] to [ON].**

- 4 Touch [OK].**

- 5 Press the [Start] key.**
The scan range setting screen is displayed.

- 6 Select one of the following: [Left Only], [Both Sides], or [Right Only].**

- 7 Touch [Scan].**
The scanning of the original starts.
Repeat steps 6 and 7 until all pages are scanned.

- 8 Touch [Scanned].**
The printing of the scanned data starts.

Combine

This function imposes continuous pages onto one sheet.



- You cannot use [Combine] and [Mixed Size Original] at the same time. (p.63 "Mixed Size Original")

[Pages/Sheet]

[OFF], [2 pages], [4 pages], [8 pages]

[Layout]

Specify the order of page imposition.

Example: Portrait document

Pages per sheet	Layout
2 pages	
4 pages	
8 pages	

[Original Orientation] (p.61 "Original Orientation")

- 1 Touch [Combine].**
The [Combine] screen is displayed.
 - If the [Confirm] screen appears, set the original orientation to [Top Side Up] or [Top Side Left].
- 2 Specify the number of pages per sheet.**
- 3 Select a layout.**
- 4 Touch [OK].**

Image Repeat

This function imposes multiple copies of the same original onto one sheet.



- You cannot use [Image Repeat] and [Mixed Size Original] at the same time. (p.63 "Mixed Size Original")

[OFF], [2 Pages], [4 Pages], [8 Pages]
[Original Orientation] (p.61 "Original Orientation")

1 Touch [Image Repeat].

The [Image Repeat] screen is displayed.

- If the [Confirm] screen appears, set the original orientation to [Top Side Up] or [Top Side Left].

2 Select the number of pages per sheet.

3 Touch [OK].

Booklet

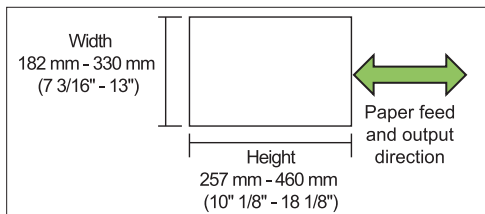
This function is used for duplex printing of continuous pages imposed onto one sheet.



- You cannot use [Booklet] with [Mixed Size Original] or [Combine]. (p.63 "Mixed Size Original", p.65 "Combine")

<Types of paper that can be used to create booklets>

A3, B4, A4, B5, Ledger, Legal, Letter, Foolscap, and custom size



- You cannot use the paper which has a width longer than its height.

[Layout Order]

Specify the imposition order.

When this option is set to [OFF], the imposition function is not available.

[Center Margin]

Set the center margin to the center of folded sections to prevent the folded sections from hiding when the sheets are folded in two.

[Auto Reduction]

Set this option to [ON] to enable automatic reduction.

1 Touch [Booklet].

The [Booklet] screen is displayed.

2 Select the layout order.

3 Touch [⏴] or [⏵] to specify the center margin.

You can also enter the number using the numeric keys.

4 Select [Auto Reduction].

5 Touch [OK].



- If the center margin you have specified causes the printed image not to fit on the sheet, set the automatic reduction to [ON].
- If you are using the optional multifunction finisher, the [Binding] and [Separating Books] functions are available. For more information, see "Binding ([Booklet])" (p.189) and "Separating Books ([Booklet])" (p.189) in "Optional Equipment".

Stamp

Use this option to print the page number, date, and text on the header or footer.



- The page number and date cannot be stamped on slip sheet paper or cover paper. (p.74 "Separation", p.74 "Add Cover")
- When using this function with [Combine] or [Image Repeat], the page number and date are stamped on each page of the copy paper, not per page of the original. When using this function with [Booklet], the page number and date are stamped on each booklet page.
- Specifying the reproduction size does not affect the stamp size.

- The [Stamp] and [Page Border] functions cannot be used at the same time. (p.68 "Page Border")

[Page], [Date], [Text]

Select the type of stamps to be stamped.

[Print Position]

Specify the print position.

[Top Left], [Top Center], [Top Right], [Bottom Left], [Bottom Center], [Bottom Right]

When this option is set to [OFF], stamps are not printed.

[Text Size]

Specify the text size for printing.

[Transparency]

When this option is set to [OFF], images are removed from the stamp area to create a white space, and the text is stamped in that white space. When this option is set to [ON], the text is stamped over an image when the stamp area and an image overlap.

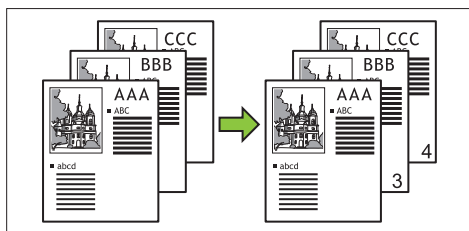
[Start Number]

Specify the first number to stamp.

[Stamp Start Page]

Specify the first page to be stamped.

Example: When the stamp start page is set to "2" and the stamp start number is set to "3"

**[Apply Page]**

When this option is set to [All Pages], the stamp is applied to all pages.

When this option is set to [First Page Only], the stamp is applied only to the first page.

[Stamp Date]

When this option is set to [Today], today's date (the date set on the machine) is stamped.

When this option is set to [Specify Date], the specified date is stamped.

[Text to be printed]

Specify the text to be printed.

Stamping the Page Number

1 Touch [Stamp].

The [Stamp] screen is displayed.

2 Touch [Page].**3 Specify the print position.**

- Different type of stamps cannot be stamped together in the same position.

4 Specify the text size.

Touch [↓] or [↑] to specify the text size on the [Text Size] screen. You can also enter the number using the numeric keys.

5 Set the transparency option.**6 Specify the start number.****7 Specify the stamp start page.****8 Touch [OK].**

Stamping the Date

1 Touch [Stamp].

The [Stamp] screen is displayed.

2 Touch [Date].**3 Specify the print position.**

- Different type of stamps cannot be stamped together in the same position.

4 Specify the text size.

Touch [↓] or [↑] to specify the text size on the [Text Size] screen. You can also enter the number using the numeric keys.

5 Set the transparency option.

6 Set the apply page option.

7 Set the date to be stamped.

To specify a date of your choice, touch [Specify Date] and touch the input screen displayed on the screen to set the date. You can also enter the number using the numeric keys.

8 Touch [OK].

Printing the Text

1 Touch [Stamp].

The [Stamp] screen is displayed.

2 Touch [Text].



• You cannot change the font.

3 Specify the position for printing text.



• Different type of stamps cannot be stamped together in the same position.

4 Specify the text size.

Touch [v] or [^] to specify the text size on the [Text Size] screen. You can also enter the number using the numeric keys.

5 Set the transparency option.

6 Set the apply page option.

7 Set the text to be stamped.

8 Touch [OK].

Page Border

This option adds a border line in the margins of the paper.



- Even when this option is used with [Combine] or [Image Repeat], the border line is printed on each copy paper, not per page of the original.
- The border lines are printed over the original data. If there is an overlap of an image in the border printing area, part of the image may not be printed.
- When [Color Mode] is set to [Black], [Cyan], or [Magenta], colors that are not selectable are grayed out. (p.59 "Color Mode")
- Printing a border on black-and-white copies can make posters and signs stand out.
- You cannot use [Page Border] with [Stamp] or [Mixed Size Original]. (p.66 "Stamp", p.63 "Mixed Size Original")

[OFF], [Red], [Blue], [Green], [Yellow], [Black] Border line width (manual entry)

1 Touch [Page Border].

The [Page Border] screen is displayed.

2 Select a border line color.

3 Touch [v] or [^] to specify the width of the border line.

You can also enter the number using the numeric keys.

4 Touch [OK].

Image Quality

Specify the resolution for scanning originals.

[Standard]

Select this when the original has mostly text.

[Fine]

Select this when the original has photos. The original is printed at a speed lower than when selecting [Standard], but it is scanned with higher resolution.

1 Touch [Image Quality].

The [Image Quality] screen is displayed.

2 Select a resolution.

3 Touch [OK].

Original Type

Select an original type to print the original using appropriate image processing.

[Line/Photo]

Select this when the original has both text and photos.

[Line]

Select this when the original has text or illustrations.

[Photo]

Select this when the original has photos.

[Map/Pencil]

Select this for originals with a lot of subtle colors or fine lines, such as a map, or for originals with pencil drawings.

[Dot Process]

When this option is set to [Auto], gradation is automatically expressed through the density of dots. The higher the density, the darker the gradation. The lower the density, the lighter the gradation.

When this option is set to [70 lpi], photos are reproduced with a printing resolution of 70 lpi. When this option is set to [100 lpi], photos are reproduced with a printing resolution of 100 lpi.

1 Touch [Original Type].

The [Original Type] screen is displayed.

2 Select an original type.

3 If [Line/Photo], [Photo], or [Map/Pencil] is selected, set the dot process option.

4 Touch [OK].

Gamma Correction

This function adjusts the color balance (CMYK) of the scanned data.



- When [Color Mode] is set to [Black], [Cyan], or [Magenta], the gamma value can only be adjusted for black (K). (p.59 "Color Mode")

[C] - [R]

[1], [2], [3], [4], [5], [6], [7]

The lower the value (lowest being [1]), the stronger the cyan (C) is in the image. The higher the value (highest being [7]), the stronger the red (R) is in the image.

[M] - [G]

[1], [2], [3], [4], [5], [6], [7]

The lower the value (lowest being [1]), the stronger the magenta (M) is in the image. The higher the value (highest being [7]), the stronger the green (G) is in the image.

[Y] - [B]

[1], [2], [3], [4], [5], [6], [7]

The lower the value (lowest being [1]), the stronger the yellow (Y) is in the image. The higher the value (highest being [7]), the stronger the blue (B) is in the image.

[K]

[1], [2], [3], [4], [5], [6], [7]

The higher the value (highest being [7]), the stronger the black (K) is in the image.

1 Touch [Gamma Correction].

The [Gamma Correction] screen is displayed.

2 Select the balance for each color.

[Output Image] displays a preview of the image with the adjusted color balance.

3 Touch [OK].

Image Control

Specify the appropriate image processing settings for the scanned data.

[Auto]

The values are automatically configured based on the [Color Mode] and [Original Type] settings. (p.59 "Color Mode", p.69 "Original Type")

[Line/Photo Level]

[1], [2], [3], [4], [5], [6], [7]

The higher the value (highest being [7]), the higher the text recognition level applied is (even text with unclear outlines is recognized as text).

[Edge Enhancement]

[1], [2], [3], [4], [5], [6], [7]

The higher the value (highest being [7]), the greater the edge emphasis is for parts recognized as text.

[Moire Elimination]

[1], [2], [3], [4], [5], [6], [7]

The higher the value (highest being [7]), the greater the reduction of moire is for parts recognized as a photo.

1 Touch [Image Control].

The [Image Control] screen is displayed.

2 Set the image control settings.

3 Touch [OK].

Base Color Level

This function makes the background color (base color) lighter so that the text is easier to read when copying text originals with a background color or originals printed on colored paper.

[1], [2], [3], [4], [5], [6], [7]

The higher the value, the more the background color level is reduced.

[Auto]

The density of the background color is set automatically.

1 Touch [Base Color Level].

The [Base Color Level] screen is displayed.

2 Configure the base color level settings.

3 Touch [OK].

Image Position

This function adjusts the printing position of images.

[Front Side], [Back Side]

Select which side to adjust the image position for.

[Reset]

Select this option to return the adjusted value for the selected side (front or back side) to 0 mm.

[↶], [↷], [↵], [↷]

Use these keys to move the position of images.

1 Touch [Image Position].

The [Image Position] screen is displayed.

2 Select the side to adjust the image position for (front or back side).

3 Touch [↶], [↷], [↵], and/or [↷] to adjust the image position.

4 Touch [OK].



- You can adjust the printing position a maximum of ± 20 mm (13/16") up, down, left, or right, in increments of 0.5 mm (0.02").
- When performing duplex printing, the front and back sides can be adjusted separately.

Overlay

Copy the image saved in the box to the original with overlaid.



- [Overlay] cannot be used with following functions.
 - Reproduction Size (p.59)
 - Mixed Size Original (p.63)
 - Combine (p.65)
 - Image Repeat (p.66)
 - Booklet (p.66)
 - Program (p.72)
 - Add Cover (p.74)
 - Auto Image Rotation (p.76)
- If you are using the optional multifunction finisher or stacking tray, set [Auto] or [Face Down Tray] for the output tray.

[OFF], [ON]

[Folder Name]

Display the folder names which save the images specified at [Image selection].

[Document Name]

Display the file names specified at [Image selection].

[Image selection]

Specify the image to overlap.

[Target Page(s)]

Specify the target page of the image file to overlap.

[Repetition]

Specify whether to use the target page of the image file repeatedly.

[Priority Layer]

Specify whether the original or the overlay image to overlay on top.

Preview Area

You can check the settings for overlay image target page, image repetition or priority layer.

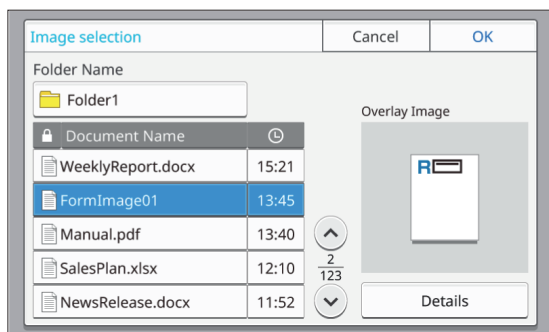
1 Touch [Overlay].

The [Overlay] screen is displayed.

2 Touch [ON].

3 Touch [Image selection].

The [Image selection] screen is displayed.



Touch [Folder Name] text box to change the folder. Select the folder on the [Folder Selection] screen and touch [OK].
 Select the file to use as overlay image from the document list and touch [OK]. The screen returns to the [Overlay] screen.



- The preview appears on the [Overlay Image] screen after you select the document from the list. Touch [▲] or [▼] to change the document.
- Touch [Details] to display the [Details] screen and you can check the details of the document.

4 Specify the target page.

Specify the target page if the file which is used as overlay image has more than one page.

[All pages]: Use the all pages as overlay image. Overlap in order from front to back to the original.
 [First Page]: Use only the first page as overlay image.



- Any page other than the first page cannot be specified.

5 Specify whether to use repeatedly or not.

[ON]: Use the overlay image to the original repeatedly.

[OFF]: Do not repeat. Use the specified page image of the specified file to overlap to the original in order for one time. The rest of the original pages will not be overlapped.

6 Specify the priority layer.

[Original]: The original is overlapped on top of the overlay image.

[Overlay Image]: The overlay image is overlapped on top of the original.

7 Touch [OK].



- Use the same size of overlay image (saved in the box) as the original size. Overlay image cannot be enlarged/reduced.
- Save the overlay image with Simplex printing setting to the box.
- If the resolution of the original and the overlay image is different, printed result may be rough-grained. Set the same setting for [Image Quality] of the original and the overlay image and copy.
- When copying is set to monochrome, copy is made in monochrome even if the overlay image is color.
- When the paper size or direction of the original and the overlay image is not the same, overlay function is not available.
- The document saved in the box is converted with settings. Use the same paper type when it is saved in the box for printing. If the paper type is different, printed result may differ.
- If the original and the overlay image overlap on the portions having the same color, it might be difficult to distinguish the image of the assimilated portions.

Program

When you want to distribute the different number of copies by group (such as classes or corporate division), you can quickly print the necessary number of copies with a single copy job. For example, to distribute a leaflet to the parents of all first-grade students in school, you can print by dividing copies by class.



- You need to register a program for the number of copies and sets, sorting, slip sheets, and other options for each group beforehand.
- This option cannot be used with the [Sort] or [Separation] function. (p.62 "Sort", p.74 "Separation")

■ Entering the Number of Copies and Sets

Group [01] - [60]

Set a program in which one group is combined with both the numbers of copies and sets. You can configure up to 60 groups.

[Copies]

Enter the number of copies to be copied. You can configure up to 9,999 copies.

[Sets]

Specify how many sets you need to copy based on the number of copies entered in [Copies] as one set.

You can configure up to 99 sets.

<Setting Example>

The following describes how to configure the settings when printing by dividing copies by the number of students in each class.

Class	1-A	1-B	1-C
No. of students	30	32	30
Necessary number of copies	30	32	30

Divide groups into class units and specify the numbers in [Copies] and [Sets] respectively for each group. Enter the number of students in [Copies].

To print one set of copies specified, enter 1 in [Sets].

Class	Settings on the operation panel		
	Group	Copies	[Sets]
1-A, 1-C	01	30	2
1-B	02	32	1

1-A	01	30	1
1-B	02	32	1
1-C	03	30	1

In addition, when multiple groups have the same necessary number of copies, you can group them together as one group by increasing the number of sets. In this case, both Classes 1-A and 1-C have the same number of copies, so that you can configure the settings as follows to print by dividing copies by class.

Class	Settings on the operation panel		
	Group	Copies	[Sets]
1-A, 1-C	01	30	2
1-B	02	32	1

■ About the Separation Settings

[Sort]

When [Auto] is set, the copies are sorted in sets when you load the original in the ADF and sorted by page when you load the original on the platen glass.

Set to [Collated] to make copies in sets.

Set the [Sort] option to [Uncollated] to copy by page.

[Slip Sheet]

When this option is set to [OFF], slip sheets are not inserted.

When this option is set to [Between Sets], a slip sheet is inserted between each set.

When this option is set to [Between Groups], a slip sheet is inserted between each group.

[Paper]

Specify the paper tray in which slip sheets are loaded.

[Number Printing]

Set this option to [ON] to print numbers.

The group number and set number are printed when this option is set to [Between Sets], and only the group number is printed when this option is set to [Between Groups].

Saving a Program

You can register up to 12 programs and call them whenever necessary.

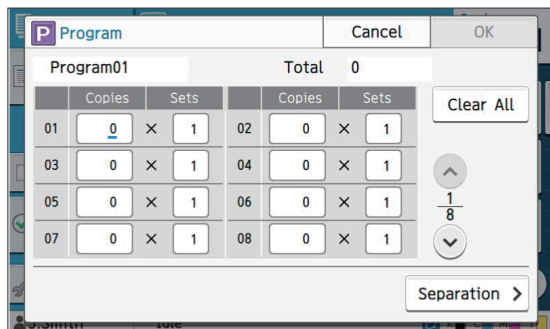
1 Touch [Program].

The [Program] screen is displayed.

2 Touch [No Entry], and then touch [Edit].

The program edit screen is displayed.

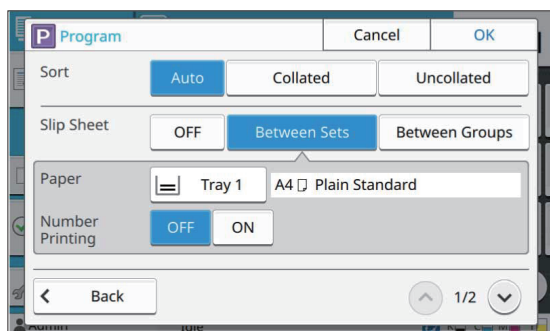
3 Enter the number of copies and sets using the numeric keys.



4 Touch [Separation].

The separation screen is displayed.

5 Set the sort and slip sheet options.



Set the [Paper] and [Number Printing] options as well if necessary.



- If you are using the optional face down finisher or multifunction finisher, the [Offset Output] function is available. For more information, see the following pages:
 - when using the optional face down finisher (p.172 "Offset Output ([Program])")
 - when using the optional multifunction finisher (p.190 "Offset Output ([Program])")

6 Touch [OK].

The [Confirm] screen is displayed.

7 Select [Overwrite] or [Register As].

To save by giving it a name, enter a program name and touch [OK].
The registration is now complete.

8 Touch [OK].

Retrieving a Program

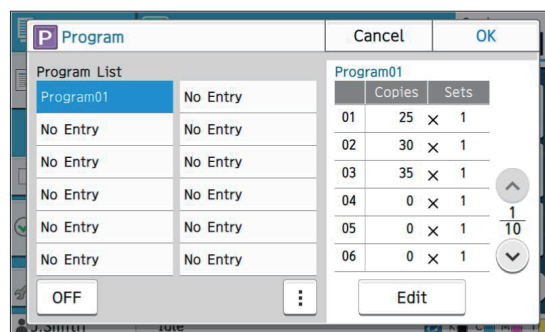
You can call a saved program.

1 Touch [Program].

The [Program] screen is displayed.

2 Select the program to call.

The registered number of copies and sets are displayed in a list.



3 Touch [OK].

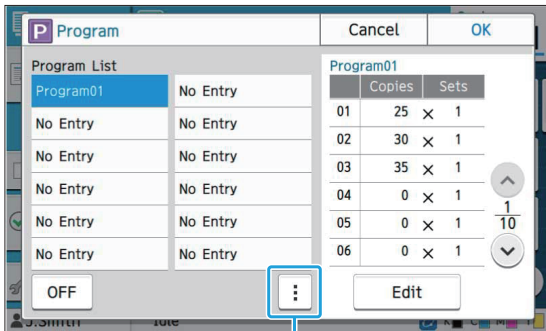
Changing the Program Settings

You can change a saved program.

1 Touch [Program].

The [Program] screen is displayed.

2 Select a program.



Sub menu

The following settings can be configured from the sub menu.

- Rename
- Delete

Follow the on-screen instructions to change the settings.

3 Touch [Edit].

For specific instructions on subsequent operations, see steps 3 through 8 in "Saving a Program" (p.72).

Add Cover

You can load printed paper or colored paper into a paper tray to add to the front and back of the printed document as a cover.



- You cannot use paper of a different size from that of the copy paper.

[Binding Edge]

Specify the binding edge.

[Front Cover]

Set this option to [ON] to add a cover to the front of each printout.

[Back Cover]

Set this option to [ON] to add a cover to the back of each printout.

[Paper Tray]

Specify the feed tray that is loaded with cover paper.

1 Touch [Add Cover].

The [Add Cover] screen is displayed.

2 Select the binding side.

3 Configure the cover settings.

Select [OFF] or [ON] for the front and back covers.

4 Touch the paper tray.

The [Select Tray] screen is displayed.

5 Select a paper tray and touch [OK].

6 Touch [OK].

7 Load the cover paper.



- The side in which the paper is loaded varies depending on the tray.

[Front Cover]

Standard tray / Optional additional tray:
Load the paper with the first page facing up.

Paper tray:

Load the paper with the first page facing down.

[Back Cover]

Standard tray / Optional additional tray:
Load the paper with the first page facing down.

Paper tray:

Load the paper with the first page facing up.

For more information, see "Loading Paper" (p.45).

- Change the [Paper Selection] settings according to the loaded paper. (p.59 "Paper Selection")

Separation

Insert a slip sheet between pages or sets, or to separate jobs.



- To load special paper to be used as slip sheets, it is recommended that [Auto Selection] should be set to [OFF] for the paper tray for slip sheets. (p.60 "Changing the Paper Tray Setting")

[Slip Sheet]

When this option is set to [OFF], slip sheets are not inserted.

When this option is set to [Between Sorts], a slip sheet is inserted for each unit specified in [Sort].

When this option is set to [After a Job], a slip sheet is inserted after every printed job.

[Paper]

Specify the paper tray in which slip sheets are loaded.

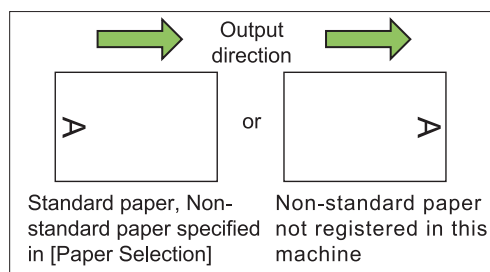
[Number Printing]

When this option is set to [OFF], numbers are not printed.

When this option is set to [1 2 3 ...], numbers are stamped on slip sheets in numerical order (1, 2, 3...).

When this option is set to [A B C...], letters are stamped on slip sheets in alphabetical order (A, B, C ... Z, AA, AB...). (Up to ZZZ)

The text is printed at the bottom (within approx. 5 mm (7/32") of the edge) or top (within approx. 5 mm (7/32") of the edge) of the sheet.

**1 Touch [Separation].**

The [Separation] screen is displayed.

2 Select the position where slip sheets are to be inserted.**3 Touch the paper tray.**

The [Select Tray] screen is displayed.

4 Select the paper tray for slip sheets and touch [OK].**5 Configure the [Number Printing] setting.****6 Touch [OK].**

• If you are using the optional face down finisher or multifunction finisher, the [Offset Output] function is available. For more information, see the following pages:

- when using the optional face down finisher (p.171 "Offset Output ([Separation])")

- when using the optional multifunction finisher (p.186 "Offset Output ([Separation])")

Binding Margin

Specify the binding margin.

[Binding Edge]

Specify the binding edge.

Width

Enter the width using [▲], [▼], or the numeric keys.

[Auto Reduction]

Set this option to [ON] to automatically reduce the image size to fit the image on the paper when part of the printing area is missing due to the binding margin setting.

1 Touch [Binding Margin].

The [Binding Margin] screen is displayed.

2 Specify the binding margin.

- Specify [Binding Edge].
- Enter the width using [▲], [▼], or the numeric keys.
- If part of the printing area is missing due to the binding margin setting, set [Auto Reduction] to [ON].

3 Touch [OK].**Staple / Punch**

If you are using the optional face down finisher or multifunction finisher, you can specify the stapling position. You can also specify the binding margin. If you are using the optional multifunction finisher with the punch unit, you can also configure the punch setting.

For more information, see the following pages:

- when using the optional face down finisher (p.171 "Staple")
- when using the optional multifunction finisher (p.186 "Staple / Punch")

Fold

If you are using the optional multifunction finisher, you can specify the paper folding. For more information, see "Fold" (p.188) in "Optional Equipment".

Slow Printing

This option slows down the printing speed as well as reduces the operating sound of the job being processed.
[OFF], [ON]

- 1 Touch [Slow Printing].**
The [Slow Printing] screen is displayed.
- 2 Touch [ON].**
- 3 Touch [OK].**

Output Tray

If you are using the optional multifunction finisher or stacking tray, you can select the trays for output. For more information, see the following pages:

- when using the optional multifunction finisher (p.189 "Output Tray")
- when using the optional stacking tray (p.193 "Output Tray")

Face Up/Down

If you are using the optional multifunction finisher or stacking tray, you can specify whether to output printouts face up or face down to the tray. For more information, see the following pages:

- when using the optional multifunction finisher (p.189 "Output Tray")
- when using the optional stacking tray (p.194 "Face Up/Down")

Output Tray Relay

If you are using the optional multifunction finisher or auto-control stacking tray, the output tray can switch automatically when the tray that is being used becomes full. For more information, see the following pages:

- when using the optional multifunction finisher (p.190 "Output Tray Relay")
- when using the optional auto-control stacking tray (p.194 "Output Tray Relay")

Paper Tray Relay

Use this option to automatically feed paper from a different tray with the same paper size and paper type when the selected tray runs out of paper.
[OFF], [ON]

- 1 Touch [Paper Tray Relay].**
The [Paper Tray Relay] screen is displayed.
- 2 Touch [ON].**
- 3 Touch [OK].**

Auto Image Rotation

This rotates the image 90 degrees automatically when the orientations of the original and paper do not match, even if the paper size loaded in the tray matches the size of the loaded original. Normally, this setting is set to [ON].

Scan Job Build

You can collectively copy multiple originals scanned with different settings as one job. This option is convenient when the originals vary in type and image quality.
[OFF], [ON]

1 Touch [Scan Job Build].

The [Scan Job Build] screen is displayed.

2 Touch [ON].**3 Touch [OK].****4 Load the original and press the [Start] key.**

Scanning of the original starts, and when it is completed, the [Confirm] screen is displayed.

5 Touch [Change Setting].

The [Copy] screen is displayed.

6 Change the copy settings as needed.

- You can change only the following copy settings when scanning from the second time.

[Color Mode], [Reproduction Size], [Original Orientation], [Scanning Level], [Book Shadow Erasure], [Page Border], [Original Type], [Gamma Correction], [Image Control], [Base Color Level]

7 Load the next original and press the [Start] key.

Scanning of the original starts, and when it is completed, the [Confirm] screen is displayed.

8 Repeat steps 5 to 7 as needed.

If you do not have to change the settings, follow the displayed messages for operation.

9 Touch [Scanned] on the [Confirm] screen.

The scanned data is printed.

Interrupt Copy

This function allows you to pause the job being printed to copy another document.



- The following functions are not available for interrupt copy.

[Program], [Slip Sheet], [Add Cover], [ADF Scan & Pause], [Scan Job Build]

- Interrupt copy is not available while a job using staple function or offset output function is being processed with the face down finisher. However, interrupt copy is available if a job is output to either the multifunction finisher or stacking tray.
- The following functions are not available for interrupt copy while a job is output to the multifunction finisher.
[Staple / Punch], [Fold], [Binding], [Output Tray], [Face Up/Down], [Output Tray Relay]

1 Press the [Interrupt] key.

The interruption screen is displayed.

2 Load the original and press the [Start] key.

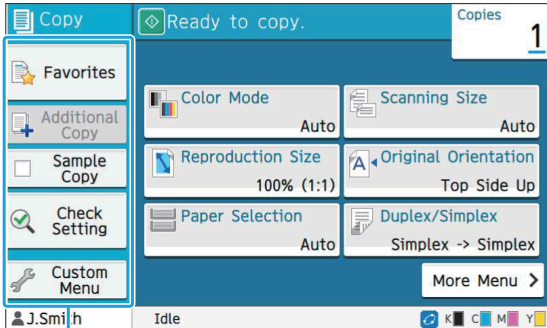
- You can continue with the interruption copying while the [Ready to copy. (Interrupting)] message is displayed.

3 After the copying is completed, press the [Interrupt] key to cancel interrupt copy.

Printing of the paused job resumes.

- Interrupt copy is also canceled when the machine has not been operated for 60 seconds.

Copy Mode Function Buttons



Function buttons

Favorites

Settings can be called whenever necessary. The recommended settings are pre-registered as favorites. Registering frequently used settings can be useful. For more information, see "Adding as a Favorite" (p.79).

1 Touch [Favorites].
The [Favorites] screen is displayed.

2 Select a favorite item.
Set values are shown in a list on the screen. The following settings can be configured from the sub menu.

- Rename
- Delete

3 Touch [OK].

- You cannot rename or delete favorites that are registered as factory settings.

Additional Copy

This function prints out a copy of the original that was copied last. The original does not need to be scanned again.



- Additional Copy cannot be made in the following cases.
 - When the administrator has not permitted the use of the additional copy function
 - When auto reset has been executed after copying the original
 - When the user is logged out

1 Touch [Additional Copy] after the copy job is finished.

The [Additional Copy] screen is displayed.

2 Specify the number of copies using the numeric keys.

3 Touch [OK].

Printing of additional copies starts.

Sample Copy

The printing stops after one copy has been printed. This function allows you to check the output before making a large number of printouts.



- If you set [Sort] to [Collated], you can use this function to make one copy as a sample. (p.62 "Sort")

1 Touch [Sample Copy].

The [Sample Copy] screen is displayed.

2 Touch [ON].

3 Touch [OK].

4 Press the [Start] key.

The [Making sample copies] screen is displayed, and copying of the original starts. The current status is displayed on the screen.

- The copying can be paused with the [Stop] key. (p.55 "Canceling Copying")
- Touch [Slow Printing] to slow down the printing speed. This also reduces the operating sound of the job being processed.

The [Confirm] screen appears after a sample copy is printed.

You can change the following settings.

- [Change Setting] (p.55 "Changing the Settings During Copying")
- [Maintenance] (p.56 "Performing Maintenance During Copying")

Check Setting

This function allows you to check the current settings.

1 Touch [Check Setting].

The [Check Setting] screen is displayed. Check the current settings.
The following settings can be configured from the sub menu.

- Add to Favorites
- Save as Default
- Print This List

2 Touch [Close].

Custom Menu

You can register favorites and default settings, and edit the button order.

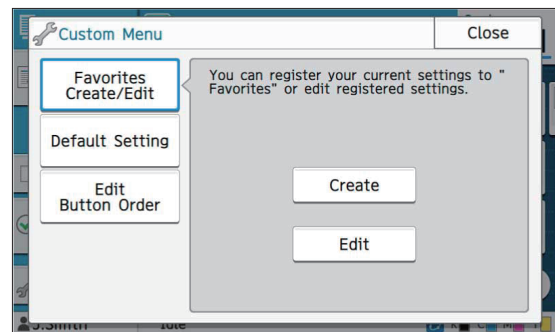
Adding as a Favorite

Register the settings and the number of copies for a setting button as a favorite. You can register up to 30 favorites.

1 Touch [Custom Menu].

The [Custom Menu] screen is displayed.

2 Touch [Favorites Create/Edit].



3 Touch [Create].

The [Add to Favorites] screen is displayed. Check the current settings.

4 Touch [OK].

5 Enter the registration name and touch [OK].

The settings are registered as a favorite.

6 Touch [Close].



- The following settings are not registered as a favorite.
 - [Paper Selection]

Editing Favorites

You can change the display order of favorites.

1 Touch [Custom Menu].

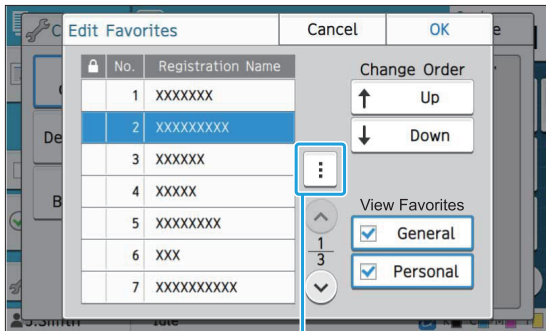
The [Custom Menu] screen is displayed.

2 Touch [Favorites Create/Edit].

3 Touch [Edit].

The [Edit Favorites] screen is displayed.

4 Select one of the favorites.



Sub menu

You cannot edit favorites with a lock icon. The following settings can be configured from the sub menu.

- Check Setting
- Rename
- Delete

5 Touch [Up] or [Down] to set up the order.

6 Configure the [View Favorites] setting.

- When you select [Common], the favorites registered by the administrator and the favorites registered as factory settings are displayed.
- When you select [Personal], the favorites registered by the users currently logged in are displayed.
- You can also select both the [Common] and [Personal] check boxes.



- [View Favorites] may not be displayed depending on the configuration by the administrator. In this case, the favorites registered by the administrator and the favorites registered as factory settings are displayed.

7 Touch [OK].

Saving as a Default

You can register the values and the number of copies set using the setting buttons as default settings.

1 Touch [Custom Menu].

The [Custom Menu] screen is displayed.

2 Touch [Default Setting].

3 Touch [Entry].

The [Save as Default] screen is displayed. Check the current settings.

4 Touch [OK].

The settings are registered as default settings.

5 Touch [Close].

Clearing Defaults

This function returns the registered default values to those set by the administrator. If the administrator has not registered the default values, the factory values are restored.

1 Touch [Custom Menu].

The [Custom Menu] screen is displayed.

2 Touch [Default Setting].

3 Touch [Clear].

The [Initialize] screen is displayed.

4 Touch [OK].

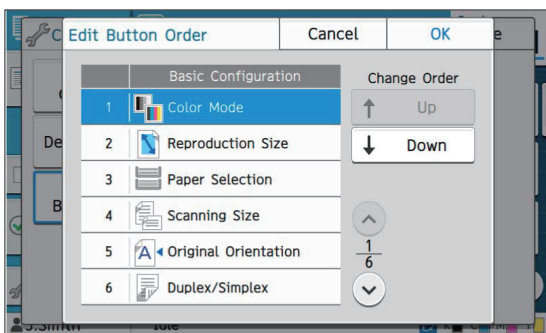
The default values are cleared.

5 Touch [Close].

Editing Button Order

This function changes the arrangement of setting buttons.

- 1 **Touch [Custom Menu].**
The [Custom Menu] screen is displayed.
- 2 **Touch [Edit Button Order].**
The [Edit Button Order] screen is displayed.
- 3 **Select one of the setting buttons.**



- 4 **Touch [Up] or [Down] to set up the order.**
- 5 **Touch [OK].**
The arrangement of the setting buttons is completed.
- 6 **Touch [Close].**

Scanning

You can scan a paper original to digitize it.

Select the destination to save the scanned data to according to how you want to use the scanned image.

The scanned data can be saved to a computer on the network, sent via e-mail as an attachment, or saved to the internal hard disk of this machine for downloading from the RISO Console.

Overview of Scan Operations

p.84

1. Load the original.



2. Touch [Scan] on the [Home] screen.



3. Select an address or destination.



4. Change the settings.



5. Check the preview display.



6. Touch [Send].

Scan Settings

p.88

This section explains each scan setting in detail.

Scan Mode Function Buttons

p.92

This section explains the functions available in Scan mode.



Overview of Scan Operations

This section explains the basic scan operations.

Procedure

1 Load the original.

For more information on the types of originals that can be used, see "Originals" (p.24).

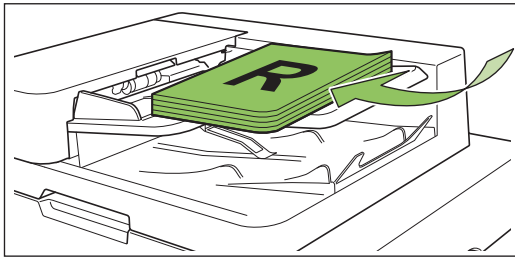


- The machine cannot scan the area within 1 mm (0.04") of the edge of the paper. (Any part of the image within this area will be lost.)

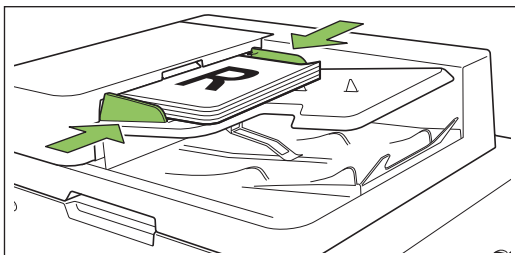
■ In the ADF

1) Load the original in the ADF.

Align the originals and place them face up.



2) Slide the original guides to match the width of the originals.

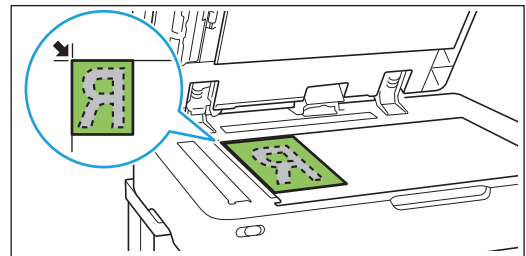


■ On the Platen Glass

1) Open the original cover.

2) Load the original.

Load the original face down on the glass. Align the corner of the original with the upper-left corner of the glass.



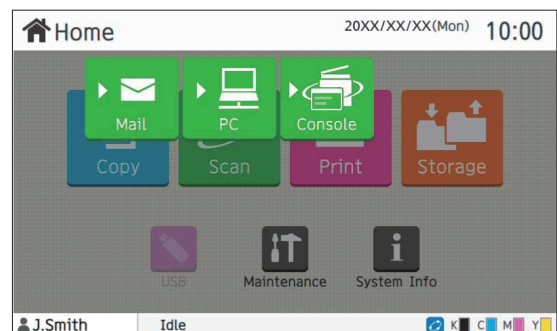
3) Close the original cover.



- Open and close the original cover gently.

2 Touch [Scan] on the [Home] screen.

Select [Mail], [PC], or [Console].



3 Select an Address/Destination.

If you select [Mail] or [PC], specify the address/destination for the scanned data.



- If you select [Console], you do not need to specify the destination. The scanned data is saved to the internal hard disk of this machine.

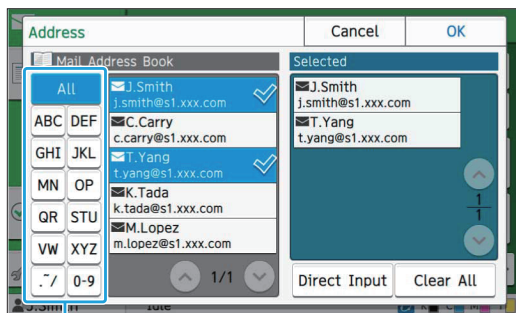
■ When you have selected [Mail]

You can attach the scanned data to e-mail messages and send them.

1) Touch [Address].

The [Address] screen is displayed.

2) Select an address from [Mail Address Book].



Index

The selected address appears in [Selected].

- You can touch the index to narrow down the list of addresses registered in the address book.

3) Touch [OK].



- To send to an address that is not displayed in [Mail Address Book], touch [Direct Input] to register a new address.
- To remove an address from [Selected], you can either clear all addresses by touching [Clear All] or select the address to remove and touch [Clear].
- Touch [Sender] to display the [Sender] screen and enter the sender's name.

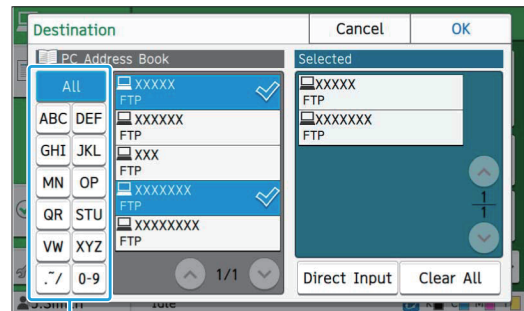
■ When you have selected [PC]

The scanned data is saved on a computer on the network.

1) Touch [Destination].

The [Destination] screen is displayed.

2) Select a destination from [PC Address Book].



Index

The selected destination appears in [Selected].

- You can touch the index to narrow down the list of destinations registered in the address book.

3) Touch [OK].



- To save data to a computer not listed in [PC Address Book], contact your administrator.
- Touch [Direct Input] to register a new destination. For more information on the destination server, contact your administrator.

4 Change the settings.

Specify the detailed settings for scanning. For more information on the functions that can be configured, see "List of Settings" (p.87).

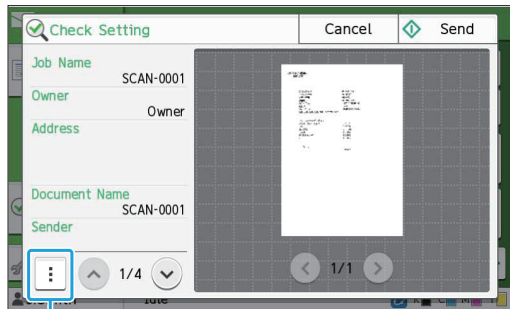
5 Check the preview display.

1) Touch [Check Setting].

The [Check Setting] screen is displayed.

2) Touch [Preview].

The scanning of the original starts, and the preview is displayed.



Sub menu

To switch pages, touch [] or [].

The following settings can be configured from the sub menu.

- Change Address

6 Touch [Send].

The [Scanning document] screen is displayed, and scanning of the original starts. The current status is displayed on the screen.

- After the [Confirm] screen is displayed, touch [Close].

The original is scanned and saved.

■ To cancel scanning

1 Press the [Stop] key.

Scanning is stopped and the Scan screen is displayed.



- When you select [Console] to scan data, the scanned data is saved to the internal hard disk of this machine.

The saved data can be downloaded to a user's computer using the RISO Console.

See "[Scan] Menu Screen" (p.152) in "RISO Console".

- The storage period for the scanned data is configured by the administrator.



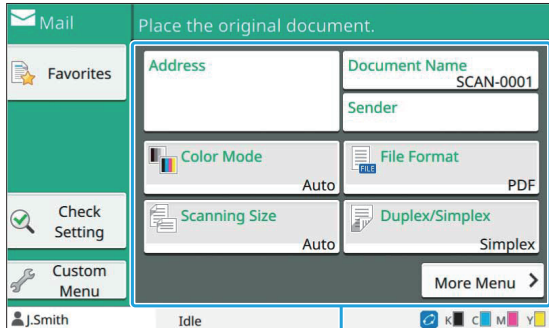
RISO KAGAKU CORPORATION is not responsible for the loss of any data on the machine's internal hard disk that may occur during the use of this machine. For data protection, it is recommended to back up data in advance.

List of Settings

The following is a list of settings available in Scan mode.

Setting item	Description	See
Document Name	View and specify the document name when saving the scanned data.	p.88
Color Mode	Specify the color mode of the data to be scanned.	p.88
Scanning Size	Specify the scanning size for originals to be scanned.	p.89
File Format	Specify the file format for saving the scanned data.	p.89
Duplex / Simplex	Specify the sides of the original to be scanned.	p.89
Scanning Level	Adjust the scanning level of originals.	p.90
Original Orientation	Specify the orientation of the original.	p.90
Resolution	Specify the resolution for scanning originals.	p.90
Mixed Size Original	Use this option when multiple different original sizes are used in the original.	p.90
Book Shadow Erasure	Use this option to remove shadows that appear in the center of copies when an open book is copied.	p.90
Page Split	Use this option to scan double-spread pages into two parts (right and left).	p.90
PIN Code	Assign PIN codes when saving scanned jobs on the internal hard disk of this machine.	p.90
Original Type	Select the original type to perform the appropriate image processing and save the scanned data.	p.90
Gamma Correction	Use this option to correct the color balance (CMYK) of the scanned data.	p.91
Image Control	Specify the image processing appropriate for the original.	p.91
Base Color Level	Make the background color (base color) lighter so that the text is easier to read.	p.91
Scan Job Build	You can scan multiple originals with different settings and combine the jobs into a one job.	p.91
Favorites	Call frequently used settings.	p.92
Check Setting	Use this option to check the current settings. You can check the preview of the scanned data.	p.92
Custom Menu	Register favorites and default settings, and edit the button order. You can register and edit the address books as well.	p.92

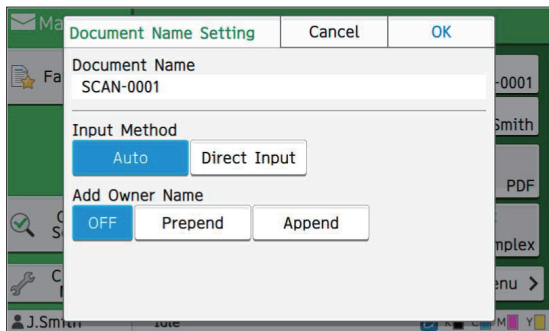
Scan Settings



Setting buttons

Document Name

You can view the document name to be used when saving the scanned data. Touch [Document Name] to set the document name.



[Document Name]

Among the information specified in [Input Method] and [Add Owner Name], the [Document Name] and [Owner] information is displayed.

[Input Method]

Select [Auto] to set the document name automatically.
Select [Direct Input] to enter a document name of your choice.
If you select [Auto], a document is named with a serial number (0001 to 9999) given following "SCAN-" as the default setting.

[Add Owner Name]

Specify whether to add the owner's name to the document names set up in [Input Method].

Select [OFF] to not add the owner's name.
Select [Prepend] to add the owner's name before document names and name them using the following format:

Owner's name - Document name - Page number_Serial number.extension

Example: J.Smith-SCAN-0001-0001_0001.tif

Select [Append] to add the owner's name after document names and name them using the following format:

Document name - Owner's name - Page number_Serial number.extension

Example: SCAN-0001-J.Smith-0001_0001.tif



- The serial number is added only when duplication of a file name occurs.

1 Touch [Document Name].

The [Document Name Setting] screen is displayed.

2 Select an option for [Input Method].

3 Select whether to add the owner's name.

4 Touch [OK].



- For more information on text input, see "Entering Text" (p.42).
- For [Direct Input], you can use upper and lower case letters.

Color Mode

Select the color mode of the data to be scanned.

[Auto]

The machine automatically determines if the original is in color or black and white. If it is determined that the original is in color, it is converted to RGB data and saved. If it is determined that the original is in black and white, it is converted to black data and saved.

[Full Color]

Originals are converted to RGB data and saved.

[Grayscale]

Color originals or color photos are converted to grayscale data and saved.

[Black]

Originals are saved as black and white (binary) data.

1 Touch [Color Mode].
The [Color Mode] screen is displayed.

2 Select the color mode.

3 Touch [OK].

Scanning Size

Specify the size of the original to be scanned. For more information, see "Scanning Size" (p.61) in "Copying".

File Format

Specify the file format for saving the scanned data. **[PDF], [TIFF], [JPEG], [PDF/A]**

File format	Setting item
[PDF]	[Image Quality] [PDF Password] [Single Page] [ZIP]
[TIFF]	[ZIP]
[JPEG]	[Image Quality] [ZIP]
[PDF/A]	[Image Quality]

[Image Quality]
[1: Low], [2], [3], [4], [5: High]

[PDF Password]
Enter the user password and owner password from [Details].

[Single Page]
Select [ON] to save the scanned data in single pages.

[ZIP]

This option appears when sending the scanned data via e-mail or sending the scanned data to a computer on the network. Select [ON] to compress the scanned data into a zip file.



- When saving the scanned data to the internal hard disk of this machine, the scanned data is compressed into a zip file.

1 Touch [File Format].
The [File Format] screen is displayed.

2 Select the file format to use for saving the scanned data.

3 Change the settings as needed.

4 Touch [OK].



- If the scanned data is only one file, the scanned data will not be compressed.
- If [File Format] is set to [PDF], the [ZIP] option will become available when [Single Page] is set to [ON].
- [User Password] that can be entered when [PDF] is selected as the file format is necessary to open the documents later. [Owner Password] is necessary to set the access rights to documents, specifically, the permission to print and edit.
The [PIN code] (p.90) for this machine is different from the passwords mentioned above; the PIN code serves the purpose of protecting the scan jobs to be saved in the internal hard disk and the print jobs sent from a computer.

2

Duplex / Simplex

Specify the sides of the original to be scanned.

[Single-sided], [Double-sided]
[Paging Direction]

Specify whether pages are opened right/left or top/bottom.
[Original Orientation] (p.90 "Original Orientation")

1 Touch [Duplex/Simplex].
The [Duplex/Simplex] screen is displayed.

2 Touch [Original Orientation].

Select [Top Side Up] or [Top Side Left].

3 Specify the sides of the original to scan.

If you have selected [Double-sided], specify the paging direction.

4 Touch [OK].

Scanning Level

Adjust the scanning level of originals.
For more information, see "Scanning Level" (p.62) in "Copying".

Original Orientation

Specify the orientation of the original.
For more information, see "Original Orientation" (p.61) in "Copying".

Resolution

Specify the resolution for scanning originals.
[200 dpi], [300 dpi], [400 dpi], [600 dpi]

1 Touch [Resolution].

The [Resolution] screen is displayed.

2 Specify the resolution.

3 Touch [OK].

Mixed Size Original

Use this option when multiple different original sizes are used in the original. The sizes that can co-exist are "A4-LEF and A3", "B5-LEF and B4", and "Letter-LEF and Ledger".
For more information, see step 2 and subsequent steps under "Mixed Size Original" (p.63) in "Copying".

Book Shadow Erasure

Remove shadows that appear in the center of images when an open book is scanned.
For more information, see "Book Shadow Erasure" (p.64) in "Copying".

Page Split

Use this option to scan double-spread pages into two parts (right and left).
For more information, see "Page Split" (p.64) in "Copying".

PIN Code

Assign PIN codes when saving scanned jobs on the internal hard disk of this machine. The PIN code set here is required when using the RISO Console to download to a computer.

[OFF], [ON]

Enter value (8 digits or less)

1 Touch [PIN code].

The [PIN code] screen is displayed.

2 Touch [ON].

3 Use the numeric keys to enter the PIN code.

4 Touch [OK].

Original Type

Select the original type to perform the appropriate image processing for saving the scanned data.

[Line/Photo]

Select this when the original has both text and photos.

[Line]

Select this when the original has text or illustrations.

[Photo]

Select this when the original has photos.

1 Touch [Original Type].

The [Original Type] screen is displayed.

2 Select an original type.**3 Touch [OK].**

Gamma Correction

Correct the color balance of the scanned data. For more information, see "Gamma Correction" (p.69) in "Copying".



- When [Color Mode] has been set to [Grayscale] or [Black], the gamma value can only be adjusted for K. The gamma value cannot be corrected for C-R, M-G, or Y-B. (p.88 "Color Mode")

Image Control

Specify the image processing appropriate for the original. For more information, see "Image Control" (p.69) in "Copying".

Base Color Level

This function makes the background color (base color) lighter so that the text is easier to read when scanning text originals with a background color or originals printed on colored paper. For more information, see "Base Color Level" (p.70) in "Copying".

Scan Job Build

You can scan multiple originals with different settings and combine the jobs into a one job. The scanned data is saved as one document file. **[OFF], [ON]**

1 Touch [Scan Job Build].

The [Scan Job Build] screen is displayed.

2 Touch [ON].**3 Touch [OK].****4 Load the original and press the [Start] key.**

Scanning of the original starts, and when it is completed, the [Confirm] screen is displayed.

5 Touch [Change Setting].

The scan setting screen is displayed.

6 Change the scan settings as needed.

- You can change only the following scan settings when scanning from the second time. [Color Mode], [Duplex/Simplex], [Scanning Level], [Original Orientation], [Book Shadow Erasure], [Original Type], [Gamma Correction], [Image Control], [Base Color Level]

7 Load the next original and press the [Start] key.

Scanning of the original starts, and when it is completed, the [Confirm] screen is displayed.

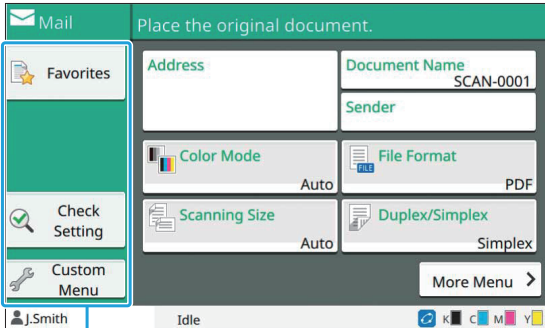
8 Repeat steps 5 to 7 as needed.

If you do not have to change the settings, follow the displayed messages for operation.

9 Touch [Scanned] on the [Confirm] screen.

The scanned data is saved as one document file.

Scan Mode Function Buttons



Function buttons

Favorites

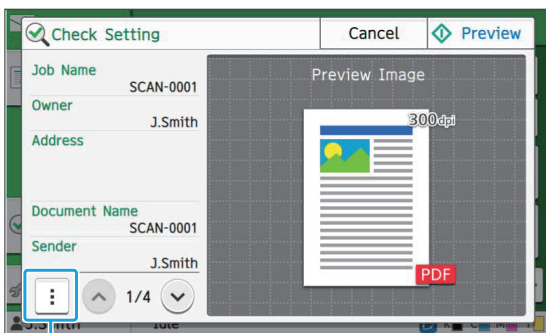
Settings can be called whenever necessary. The recommended settings are pre-registered as favorites. Registering frequently used settings can be useful. For more information, see "Favorites" (p.78) in "Copying".

Check Setting

Use this option to check the current settings.

1 Touch [Check Setting].

Check the current settings.



Sub menu

The following settings can be configured from the sub menu.

- Add to Favorites
- Save as Default
- Print This List

Touch [Preview] to check the scanned image before sending the data.

2 Touch [Cancel].

To scan the original using the settings that you viewed, touch [Send] or [Save].

Custom Menu

You can register favorites and default settings, and edit the button order. You can register and edit the address books as well.

Adding as a Favorite / Editing Favorites

Use this function to register the settings configured with setting buttons as a favorite. You can register up to 30 favorites.

For more information, see "Adding as a Favorite" (p.79) and "Editing Favorites" (p.79) in "Copying".



- The following settings are not registered as a favorite.
 - [Document Name], [PDF Password] in [File Format], [PIN code]

Adding to the Address Book

You can register addresses and destinations in address books.

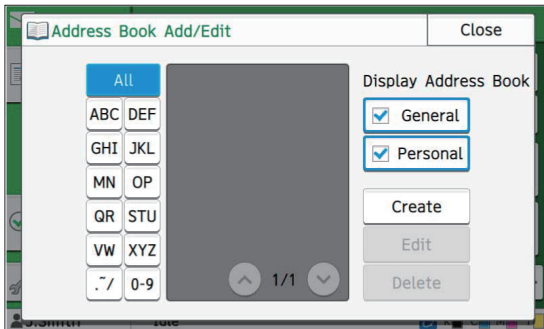
■ When you have selected [Mail]

1 Touch [Custom Menu].

The [Custom Menu] screen is displayed.

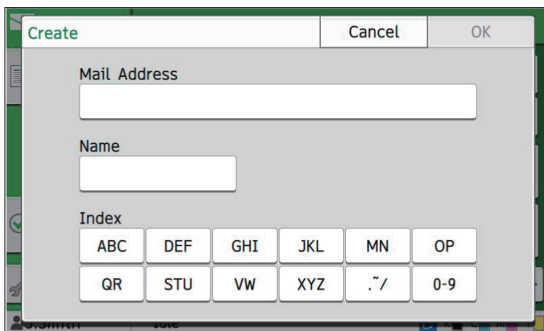
2 Touch [Address Book Add/Edit].

The [Address Book Add/Edit] screen is displayed.



3 Touch [Create].

The [Create] screen is displayed.



4 Enter an e-mail address.

5 Enter the name of the recipient.

6 Specify the index.

7 Touch [OK].

The e-mail address is registered in the address book.

8 Set the [Display Address Book] option.

Specify whether to show a common recipient or an individual recipient on the address book.

9 Touch [Close].

■ When you have selected [PC]

Register a computer as a scanned data destination.

For more information, see "Scan Data Directory" in the separately provided "Administrator's Guide".

Editing the Address Book

You can edit the personal addresses and destinations registered in the address books.

■ When you have selected [Mail]

1 Touch [Custom Menu].

The [Custom Menu] screen is displayed.

2 Touch [Address Book Add/Edit].

The [Address Book Add/Edit] screen is displayed.

3 Select an e-mail address and touch [Edit].

The [Edit] screen is displayed.

4 Change the settings.

5 Touch [OK].

The e-mail address settings are changed.

6 Touch [Close].

■ When you have selected [PC]

Change the settings registered as a scanned data destination.

For more information, see "Scan Data Directory" in the separately provided "Administrator's Guide".

Deleting an Address / Save Destination

You can delete personal addresses and destinations from address books.

■ When you have selected [Mail]

1 Touch [Custom Menu].

The [Custom Menu] screen is displayed.

2 Touch [Address Book Add/Edit].

The [Address Book Add/Edit] screen is displayed.

3 Select an e-mail address and touch [Delete].

The [Confirm] screen is displayed.

4 Touch [OK].

The e-mail address is deleted from the address book.

5 Touch [Close].

■ When you have selected [PC]

Delete the destination that you registered as a scanned data destination.

For more information, see "Scan Data Directory" in the separately provided "Administrator's Guide".

Saving / Clearing Defaults

You can register the values entered using the setting buttons as default settings.

For more information, see "Saving as a Default" (p.80) and "Clearing Defaults" (p.80) in "Copying".



- The following settings are not registered as default settings.
 - [Document Name], [PDF Password] in [File Format], [PIN code]

Editing Button Order

This function changes the arrangement of setting buttons.

For more information, see "Editing Button Order" (p.81) in "Copying".

Printing

Connect this machine and a computer to the network to use this machine as a printer.
By using the printer driver, you can send the print data to this machine from a computer.

Overview of Print Operations (Printer Driver) p.96

1. Open the printer driver screen.



2. Change the settings.



3. Click [OK].



4. Click [Print] or [OK].

Overview of Print Operations (Print Mode) p.96

1. Touch [Print] on the [Home] screen.



2. Select a job.



3. Press the [Start] key.

Printer Driver Settings p.103

This section explains each printer driver setting in detail.

Print Mode Function Buttons p.124

This section explains the functions available in Print mode.



Overview of Print Operations

This chapter describes the basic operations to use this machine as a printer.

Procedure From the Printer Driver

1 Open the printer driver screen.

1) Select the print option in the application on the computer.

The print dialog box is displayed.

2) Check the printer name and click [Properties] or [Preferences].

The button names are different depending on the application.

2 Change the settings as needed.

For more information on the settings that can be configured, see "List of Settings" (p.100).

- To restore all settings on the printer driver screen to their default values, click [Restore Default].
- To restore all settings on the printer driver screen to the values pre-registered by users, click [Restore user settings].



• The [Original Type] and [Paper Type] settings of the printer driver greatly affect the print quality. Change the settings according to use conditions.

3 Click [OK].

The print dialog box is displayed.



• If the [Collate] check box in the print dialog box is selected, remove the check mark. To print by collating copies, set [Sort] in the [Basic] tab to [Collated].

4 Click [Print] or [OK].

The print data is sent to this machine.



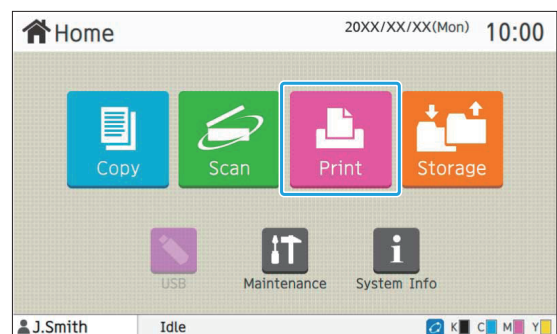
- When using the external system link, all jobs received from the computers are displayed in [External System Job] on the [Print] screen of this machine. Jobs can be printed or deleted from here. The [External System Job] function is displayed when [External System Link] is set to [ON] by the administrator. For more information, see "External System Job" (p.124).

Procedure From Print Mode

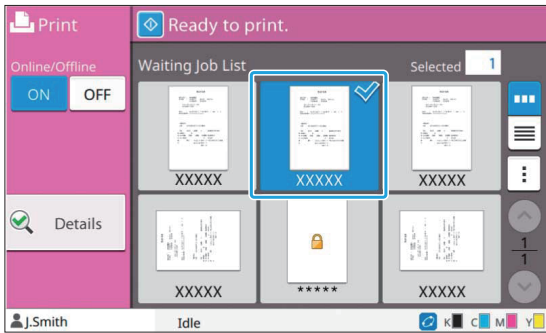


- Depending on the settings configured by the administrator, printing may be performed simply by logging in.

1 Touch [Print] on the [Home] screen.



2 Select a job.



Icon displayed on thumbnails

- : Job with a PIN code
- : Broken job (Broken data or data with problems)
- None**: All other jobs sent from computers

The following settings can be configured from the sub menu.

- Select All / Deselect all
- Delete
- Change Setting



- When a job name exceeds the character limit, the part of the job name is omitted and displayed as "...".
- In the following cases, the job name is displayed as "*****".
 - Jobs with the [Hide Job Name] check box selected on the printer driver (p.119 "PIN Code")

3 Press the [Start] key.

The selected job is printed.

■ When printing a job with a PIN code

The PIN code entry screen is displayed. Enter the PIN code using the numeric keys, and touch [Continue].

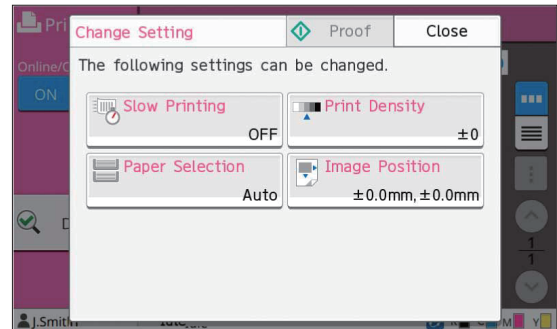
Changing Settings During Printing

1 Press the [Stop] key.

The [Suspending] screen is displayed.

2 Touch [Change Setting].

The [Change Setting] screen is displayed.



3 Change Settings.

You can change the following settings.

- Slow Printing (p.76 "Slow Printing")
- Print Density (p.63 "Print Density")
- Paper Selection (p.59 "Paper Selection")
- Image Position (p.70 "Image Position")



- If you touch [Proof], only one copy of the page that was being processed when the [Stop] key is pressed is printed.

4 Touch [Close].

5 Touch [Continue].

Printing of the job with modified settings starts.

Performing Maintenance During Printing

1 Press the [Stop] key.

The [Suspending] screen is displayed.

2 Touch [Maintenance].

The [Maintenance] screen is displayed.

3 Change Settings.

You can change the following settings.

- Head Cleaning
- Paper Guide Control
- Online/Offline
- Front Cover Release



- Touch [Online/Offline] to display the [Online/Offline] screen. When this setting is set to [OFF], the machine will not receive jobs from network devices such as computers. This option is convenient when you want to use the machine exclusively without being interrupted by other job.
- For more information on [Head Cleaning] and [Front Cover Release], see the separately provided "Troubleshooting Guide".
- If you touch [Proof], only one copy of the page that was being processed when the [Stop] key is pressed is printed.
- If you are using the optional auto-control stacking tray, you can adjust the position of the stacking tray from [Paper Guide Control]. For more information, see the separately provided "Troubleshooting Guide".

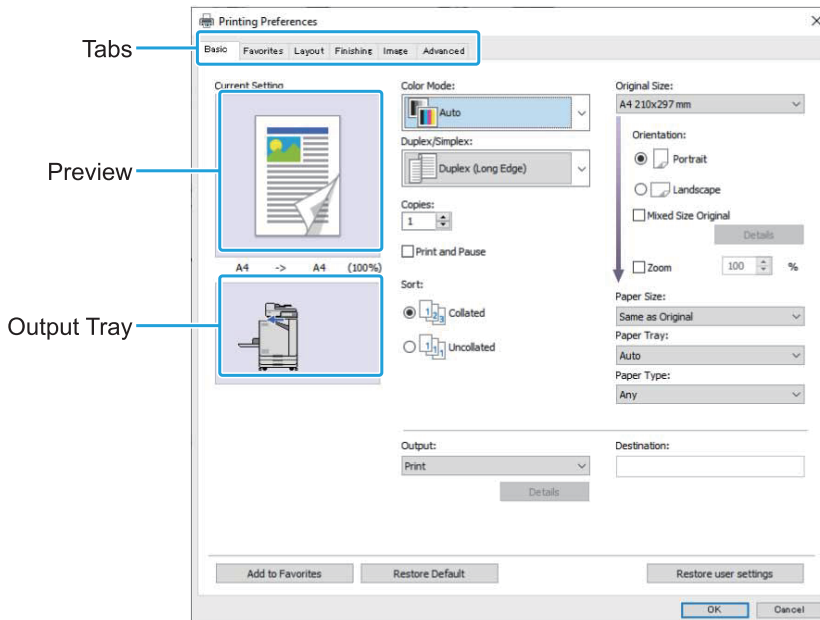
4 Touch [Close].

5 Touch [Continue].

Printing of the job with modified settings starts.

Printer Driver Screen

Settings can be configured from the printer driver screen.



- Tab: Click a tab to switch the screen.
- Preview: Displays a preview image of the document to be printed. The original size, paper size, and enlarge/reduce percentage are displayed under the image.
- Output tray: The output tray is shown with an arrow.



- Clicking [Add to Favorites] registers the current settings in the Favorites tab.
- Clicking [Restore Default] restores all settings on the printer driver screen to their default values.
- Clicking [Restore user settings] restores all the settings on the printer driver screen to the values pre-registered by users. If the values are not registered, all the settings are restored to their default values. (p.103 "Restore user settings")
- When optional equipment is connected, first configure the settings in [Printer Configuration] under the [Environment] tab to use certain functions. The unavailable functions are grayed out. (p.121 "[Environment] Tab")

List of Settings

List of Printer Driver Settings

The following is a list of the settings that can be configured via the printer driver.

Setting item	Description	See
Add to Favorites	Register the current settings in the Favorites tab.	p.103
Restore Default	Restore all settings on the printer driver screen to their default values.	p.103
Restore user settings	Restore all settings on the printer driver screen to user setting values.	p.103
[Basic] Tab		
Color Mode	Select color or monochrome printing.	p.104
Duplex / Simplex	Specify simplex or duplex printing.	p.104
Copies	Enter the number of copies to print.	p.104
Print and Pause	To check the printing result, the machine stops after printing one set.	p.105
Sort	Specify the paper output method when printing multiple copies.	p.105
Original Size	Specify the paper size and orientation of the original.	p.105
Mixed Size Original	Use this option when multiple different original sizes are used in the original data.	p.105
Zoom	Specify enlargement or reduction of original images before printing, if needed.	p.106
Paper Size	Specify the size of paper for printing.	p.106
Paper Tray	Specify the tray where paper for printing is loaded.	p.106
Paper Type	Specify the type of printing paper.	p.106
Output and Destination	Select the output for the document data sent from a computer. If [Storage] or [Save as a File] is selected for [Output], this field shows the destination.	p.107
[Favorites] Tab		
List	Check the settings registered as favorites.	p.108
Edit Favorites	Edit the registered favorites.	p.108
Open File	Open a saved favorite file.	p.108
Save in File	Save a favorite as a dedicated file format with the extension ".uds".	p.108
[Layout] Tab		
Combine	Use this option to combine multiple continuous pages.	p.109
Image Repeat	Use this option to print the same page multiple times on one sheet.	p.109
Booklet	Specify the imposition for middle-binding booklets.	p.109
Poster	Enlarge one page of data and print it onto multiple sheets of paper.	p.110
Watermark	Specify the background watermark to be added to document pages.	p.111
Stamp	Use this option to stamp the page number and date in the header or footer.	p.112
Image Position	Specify this when adjusting the print position.	p.112
Rotation	Specify the print orientation.	p.112

Setting item	Description	See
[Finishing] Tab		
Binding Edge	Specify the binding margin.	p.113
Staple	Select the stapling position. (When using the optional face down finisher)	p.168
	Select the stapling position. (When using the optional multifunction finisher)	p.179
Punch	Specify the punch position. (When using the optional multifunction finisher with the punch unit)	p.182
Fold	Configure the settings for the paper folding. (When using the optional multifunction finisher with the folder unit)	p.182
Booklet Binding	Configure the settings for the booklet binding. (When using the optional multifunction finisher)	p.184
Offset Output	Specify the timing to offset output. (When using the optional face down finisher)	p.168
	Specify the timing to offset output. (When using the optional multifunction finisher)	p.179
Slip Sheet	Specify the timing for inserting the slip sheet between printouts.	p.114
Add Cover	Use this option when adding front and back covers to the front and back of the printout.	p.114
Output Tray	Specify the timing to offset output. (When using the optional multifunction finisher)	p.185
	Specify the timing to offset output. (When using the optional stacking tray)	p.193
Output Tray Relay	Select this to switch the output tray automatically when the tray is full. (When using the optional multifunction finisher)	p.186
	Select this to switch the output tray automatically when the tray is full. (When using the optional auto-control stacking tray)	p.193
[Image] Tab		
Original Type	Specify whether to emphasize the image quality of photos or text for the printout.	p.115
Print Density	Specify the print density.	p.115
Image Quality	Specify the print resolution.	p.115
Line Smoothing	Select this to smooth the outline of text or illustrations.	p.116
Screening	Specify the halftone processing method.	p.116
Gamma Correction	Correct the lightness, chroma, contrast, and RGB gamma value.	p.116
Barcode Area Definition	Use this option when printing a barcode.	p.117
Envelope Imaging	Specify the image processing for envelope printing.	p.118
Thin line Enhance	Prevent fine lines in the original from disappearing.	p.118
[Advanced] Tab		
Owner	Use this option to set up an owner name of your choice.	p.119
Job Name	Select this when setting a desired job name.	p.119
PIN Code	Use this option to add a PIN code to data.	p.119
Job Comment	Use this option to add a comment to a job.	p.119

Setting item	Description	See
Program	Use this option when distributing different numbers of copies to multiple groups.	p.119
Slow Printing	This option slows down the printing speed as well as reduces the operating sound of the job being processed.	p.120
Blank Page Detection	Use this option to not print any blank pages included in the document.	p.120
Version	You can view the printer driver version.	p.120

List of Print Mode Function Buttons

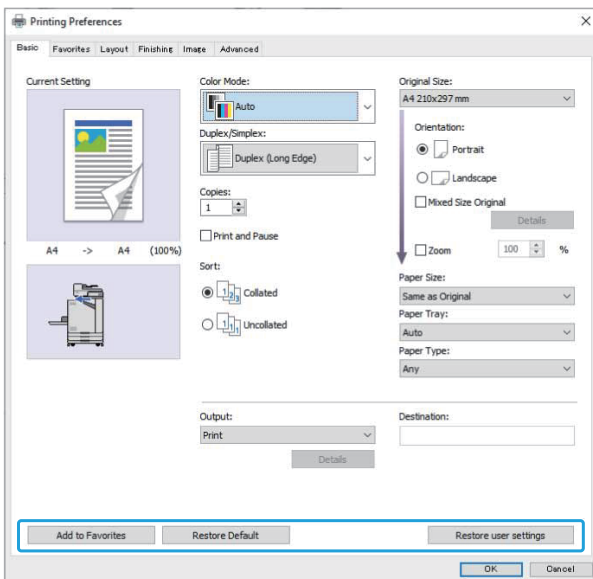
The function buttons available in Print mode are listed below.

Setting item	Description	See
Online/Offline	This function switches the network connection status (online/offline) of this machine.	p.124
External System Job	It appears when [External System Link] is set up by the administrator. You can print or delete jobs, or check amounts.	p.124
Details	Use this option to check the current settings.	p.124
Change Setting	Use this option to change job settings.	p.125

Printer Driver Settings

This section describes how to configure the basic settings of the printer driver, such as for color mode, duplex/simplex printing, and paper type.

Common buttons



The common buttons are displayed in each tab on the [Printing Preferences] screen.

Add to Favorites

The current settings on the printer driver screen can be saved to retrieve later as needed. Up to 30 groups of settings can be saved.



- You need to have administrative authority for your computer to use the [Add to Favorites] function.

1 Configure the necessary settings on the printer driver screen.

2 Click [Add to Favorites].

The [Add to Favorites] dialog box is displayed.

3 Enter a name.

Enter a name up to 20 characters long.

4 Click [Entry].

The settings are saved and displayed in the [Favorites] tab.

Restore Default

Restore all settings on the printer driver screen to their default values.

Restore user settings

Restore all settings on the printer driver screen to user setting values.

Specify the user settings values as follows. Windows 10 is used here as an example.

1 Select the FT series printer from [Start] - [Settings] - [Devices] - [Printers & scanners].

2 Click [Manage] - [Printer properties] screen

3 Select [Preferences] on the printer driver properties screen.

The [Printing Preferences] screen is displayed.

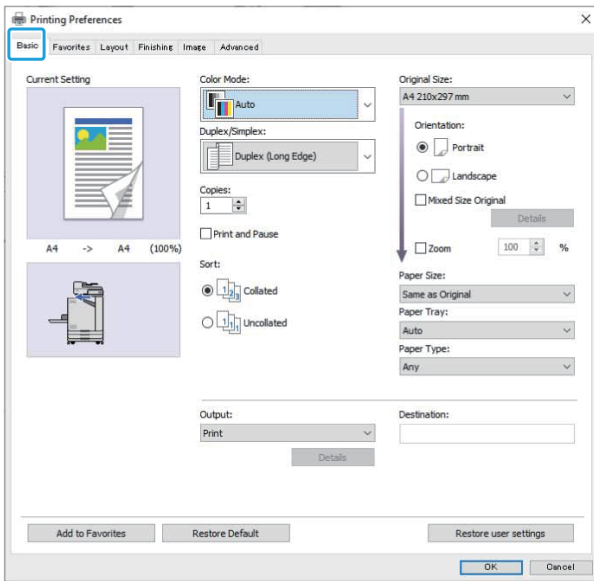
4 Change the settings as needed.



- The detailed settings specified here are saved to the printer driver. From the next time, you can call up the values pre-registered by users just by clicking [Restore user settings].
- The detailed settings from [Properties] or [Preferences] are temporary settings, which are specified by selecting the print option in the application on the computer. The settings are not saved.

- When clicking [Restore user settings] in a state where the user setting values are not set yet after the printer driver is installed, all settings on the printer driver screen are restored to their default values, such as when clicking [Restore Default].

[Basic] Tab



Color Mode

Select a color mode.

[Auto]

The machine automatically reads the color of the document and prints in full color (cyan, magenta, yellow, and black) or black accordingly.

[Full Color]

Select this option to print in four colors (cyan, magenta, yellow, and black).

[Black]

Select this option to print in one color (black) regardless of the colors used in the document.

[Cyan]

Select this option to print in one color (cyan) regardless of the colors used in the document.

[Magenta]

Select this option to print in one color (magenta) regardless of the colors used in the document.

Duplex / Simplex

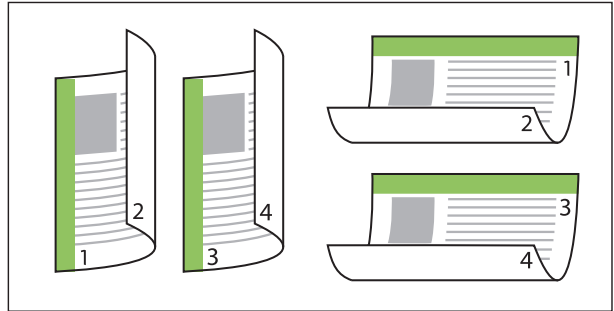
Specify simplex or duplex printing.

[Simplex]

Data is printed on one side of the paper.

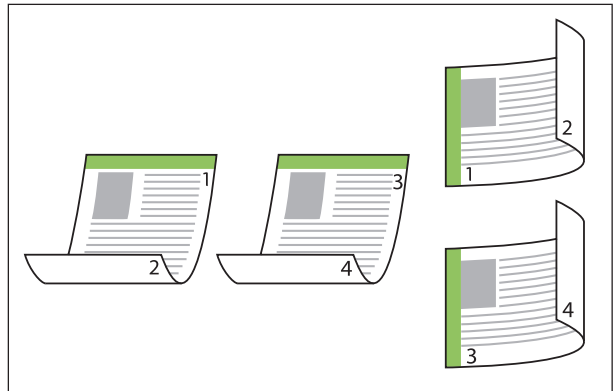
[Duplex (Long Edge)]

Data is printed on both sides of the paper with the long edge as the binding position.



[Duplex (Short Edge)]

Data is printed on both sides of the paper with the short edge as the binding position.



- To print on both sides of the paper with mixed-size documents, specify the binding orientation in the [Mixed Size Original] dialog box on the [Mixed Size Original] screen.

Copies

Enter the number of copies (1 to 9999) to print.



- When program has been configured, you cannot enter the number of copies.

Print and Pause

When printing a document with a large number of pages or sheets, a page or a set is printed (this page or set is not included in the number of pages specified) for you to check before starting the actual printing. After you check the printout, press the [Start] key on the printer to continue printing. Select the check box to enable this option.



- According to the print unit ([Uncollated] or [Collated]) selected under [Sort], a printout for your check is output.
- After checking the printout, you can change the settings on the operation panel of the printer. (p.97 "Changing Settings During Printing")

Sort

Specify the paper output method when printing multiple copies.

[Collated], [Uncollated]



- If [Collated] is selected, remove the check mark from [Collate] in the Print dialog box of the application. Documents may not be properly printed if this check box is selected.

Original Size

Specify the paper size and orientation of the document data.

[Orientation]

[Portrait], [Landscape]



- When printing on envelopes, it is recommended that you connect the optional stacking tray and envelope feeder.
- The list shows the sizes registered in [Custom Paper Entry] in the [Environment] tab. (p.122 "Custom Paper Entry")

Specifying a Custom Size

When the document is a non-standard size, select [Custom].

1 Select [Custom] for [Original Size].

The [Custom] dialog box is displayed.

2 Enter the document size.

3 Click [OK].



- The size entered here is only valid when configuring the document size. Registering frequently-used document sizes can be useful. (p.122 "Custom Paper Entry")

Mixed Size Original

Use this option when multiple different original sizes are used in the original data.

Select this check box to enable automatic selection of the paper tray that suits the document size.



- You cannot use the [Mixed Size Original] function with the [Combine], [Image Repeat], [Booklet], [Poster], [Blank Page Detection] or [Form Overlay] function. (p.109 "Combine", p.109 "Image Repeat", p.109 "Booklet", p.110 "Poster", p.120 "Blank Page Detection", p.203 "Form Overlay")
- When using this function with duplex printing, duplex printing is only applied when the size of the front and back of the document is the same. (If the size is not the same, the back of the page is left blank.)
- When printing the mixed-size document data without selecting the [Mixed Size Original] check box, all pages are printed in the size of the first page.

Using This Function with Duplex Printing

When using this function with duplex printing, you can set the binding position for each paper size. Select the [Mixed Size Original] check box and click [Details] to display the [Mixed Size Original] dialog box. Select the binding position for each size.

[Larger Page]

[Long Edge], [Short Edge]

[Smaller Page]

[Long Edge], [Short Edge]

[Rotate Larger Page 180 Degrees]

Select the [Rotate Larger Page 180 Degrees] check box to rotate the larger pages 180 degrees.



- [Larger Page] means A3, B4 (Ledger, Legal), and Tabloid; [Smaller Page] means other sizes.
- Some applications do not allow you to rotate the larger pages to the desired orientation. In this case, select the check box to rotate the print orientation 180 degrees.

Zoom

Specify the enlarge/reduce ratio of the original. Select the [Zoom] check box and enter the enlarge/reduce ratio in the range of 50% to 200%. If you do not select [Zoom], the enlarge/reduce ratio is automatically selected based on the [Original Size] and [Paper Size] settings.

Paper Size

Specify the size of paper for printing.



- When printing on envelopes, it is recommended that you connect the optional stacking tray and envelope feeder.
- The list shows the sizes registered in [Custom Paper Entry] in the [Environment] tab. (p.122 "Custom Paper Entry")

■ Specifying a Custom Paper Size

When the paper is a non-standard size, select [Custom].

- 1 Select [Custom] for [Paper Size].**
The [Custom] dialog box is displayed.
- 2 Enter the size of the paper.**
- 3 Click [OK].**



- The size entered here is only valid when configuring the document size. Registering frequently-used paper sizes can be useful. (p.122 "Custom Paper Entry")

Paper Tray

Specify the input tray to use for printing.

[Auto]

The paper tray is selected automatically according to the [Paper Type] and [Paper Size] settings.

[Feed Tray 1], [Feed Tray 2], [Additional Tray]

The paper loaded in the specified tray is used for printing.

[Standard Tray]

The paper loaded in the standard tray is used for printing.



- If [Auto] is selected, but the actual paper loaded in the tray does not match the [Paper Size] and [Paper Type] settings (or the same paper is loaded but the tray selection setting is not set to [Auto Selection]), an error occurs and the job is not printed. Select [Any] in [Paper Type]. (p.106 "Paper Type")
- You can use the RISO Console to confirm the paper size and paper type loaded in the printer paper tray. See "[Consumables] Screen" (p.149) in "RISO Console".
- [Additional Tray] is displayed when the optional additional tray is connected.

Paper Type

Select the type of printing paper.

You can print the document data with adjustments, such as coloration and amount of ink, and image processing that suit the selected paper type.

[Any]

Select this option to enable automatic selection of paper type according to printer settings.

[Plain]

[Plain (premium)]

[IJ Paper], [Matt Coated]

Select one of these when using IJ paper or similar paper.

[High-quality]**[Card-IJ]**

- The machine selects the color profile that is most suitable for your paper type. To print with the appropriate color balance, match the printer paper settings with the loaded paper.
- If [Any] is selected, communication may not be established with the printer. If the printer's paper settings are changed after sending a print job, the paper type and image processing may not be compatible.

■ Color profile

Colors on a monitor or other display are expressed in terms of the three primary colors of light (RGB: red, green, and blue), however colors printed with ink are expressed in terms of the three primary colors (CMY: cyan, magenta, and yellow). Because CMY, which is used to express the colors printed on paper, has fewer colors than RGB, which is used to express colors displayed on a computer monitor, the printer cannot print the colors exactly as seen on the monitor. For this reason, it is necessary to use a special method to convert RGB colors to CMY colors so as to reproduce nearly the same colors or natural colors. This method is called "color management", and the conversion table is called a "color profile". With color management, the printer automatically selects several types of color profiles to obtain the optimal color according to the combination of the original image and paper being used.



- This printer uses color profiles created and edited based on the ColorSet technology licensed from Monotype Imaging Inc.

Output and Destination

Specify whether to print the data sent from a computer or save it to a folder on the printer. You can also save the data to a USB flash drive as a PRN file, or create a file to use in the Barcode Area Definition Software.

[Print]

Document is printed.

[Print & Storage]

Saves the original data in a folder on the machine and prints it.

[Storage]

You can save the document data to a folder on the printer as a PRN file.

[Save to USB Drive]

You can save the document data to a USB flash drive as a PRN file. Even if you do not have a network environment, you can print by connecting a USB flash drive to the machine.

[Save as a File]

A PRN file is created to be used in the Barcode Area Definition Software.



- **Do not remove the USB flash drive until saving is finished. During data saving, a printer icon appears in the taskbar shown on the computer. When saving is completed, the printer icon disappears. Make sure that the icon has disappeared before removing the USB flash drive.**



- The data saved in a folder on this machine can be printed from the [Storage] - [Load] screen (p.129), or from "[Storage] Menu" (p.154) on "RISO Console".
- The data saved on a USB flash drive can be printed from the [USB] - [Load] screen by connecting the USB flash drive to the machine. You can also save the data to this machine by copying it to a folder on the machine. (p.143 "Copy to Folder")
- A PRN file is a dedicated file format in which data is output via the printer driver. This type of file can only be opened on a RISO printer or application.
- The computer user name is added, as the owner, to the data saved to a folder on the machine.

■ Destination Folder Settings

The folders registered in [Folder Entry] on the [Environment] tab are displayed in [Destination]. (p.121 "[Environment] Tab")

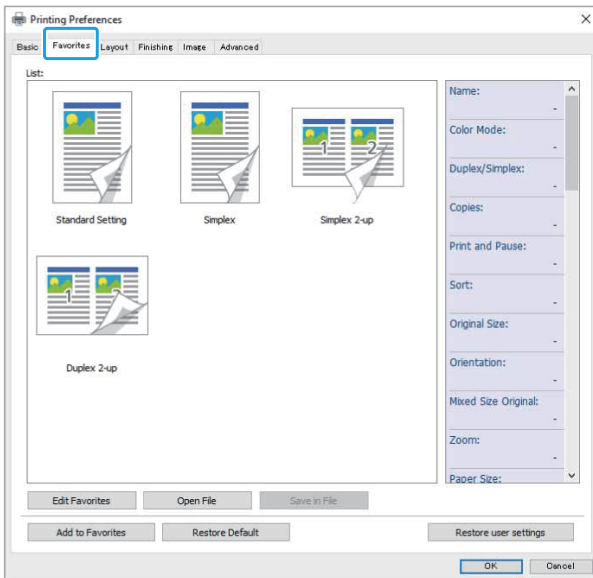
- 1 In [Output], select [Print & Storage], [Storage] or [Save to USB Drive].**
- 2 Click [Details].**
The [Output] dialog box is displayed.
- 3 In the [Destination] pull-down menu, select the directory of the original data.**

The available folders are displayed in the [Destination] list.

4 Click [OK].

The selected folder name is displayed in the [Destination] field.

[Favorites] Tab



List

The printer driver settings registered as favorites are displayed in a list. The recommended settings are pre-registered as favorites. Click a favorite to display the details of the selected favorite settings in a list. The print settings are changed according to the selected favorite settings.

Edit Favorites

Edit the registered favorites.

[Current Setting]

The selected favorite settings are displayed.

[List]

The registered favorites are displayed.

[Up], [Down]

You can change the display order for the favorites in [List] using these keys.

[Rename]

You can change the registered name of a favorite. Enter a new name with 1 to 20 characters.

[Delete]

You can delete a favorite.

Open File

You can call and use printer driver settings saved in a computer.

1 Click [Open File].

The [Open] dialog box is displayed.

2 Select a file on the computer.

3 Click [Open].

The loaded settings are displayed in [List].

Save in File

You can save the settings that are registered as a favorite to a computer. It is useful to save settings to a computer when, for example, you want to share the settings among multiple users or reinstall the printer driver.

1 Select the settings in [List] that you want to save to a computer.

2 Click [Save in File].

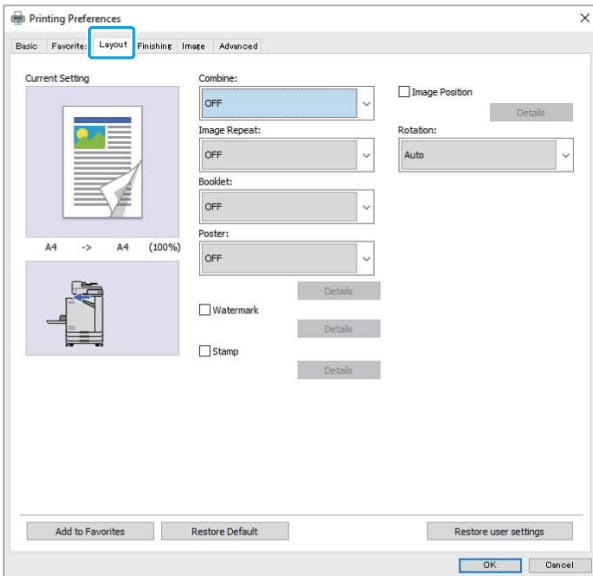
The [Save As] dialog box is displayed.

3 Specify the destination folder and file name.

4 Click [Save].

The selected settings are saved.

[Layout] Tab



Combine

This function imposes continuous pages onto one sheet for printing.



- You cannot use the [Combine] function with the [Mixed Size Original], [Image Repeat], [Booklet], [Poster] or [Blank Page Detection] function. (p.105 "Mixed Size Original", p.109 "Image Repeat", p.109 "Booklet", p.110 "Poster", p.120 "Blank Page Detection")

- [OFF],
- [2 Pages: Left to Right], [2 Pages: Right to Left],
- [2 Pages: Top to Bottom], [2 Pages: Bottom to Top],
- [4 Pages: Left Top to Bottom], [4 Pages: Left Top to Right],
- [4 Pages: Right Top to Bottom], [4 Pages: Right Top to Left],
- [8 Pages: Left Top to Bottom], [8 Pages: Left Top to Right],
- [8 Pages: Right Top to Bottom], [8 Pages: Right Top to Left]

Select the number of pages per sheet and the order that they are laid out.

Example: If [4 Pages: Left Top to Bottom] is selected

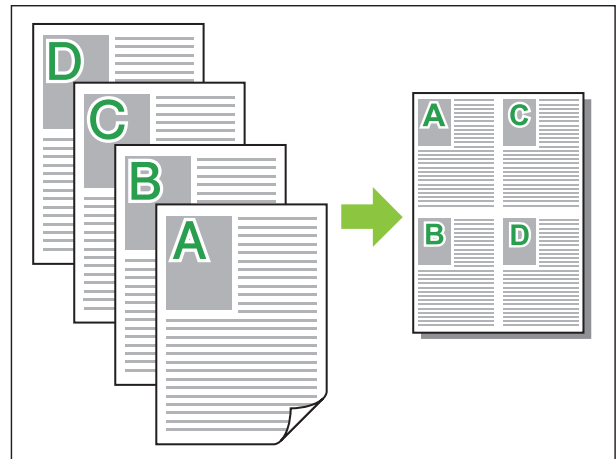


Image Repeat

The same page is printed multiple times on one sheet.

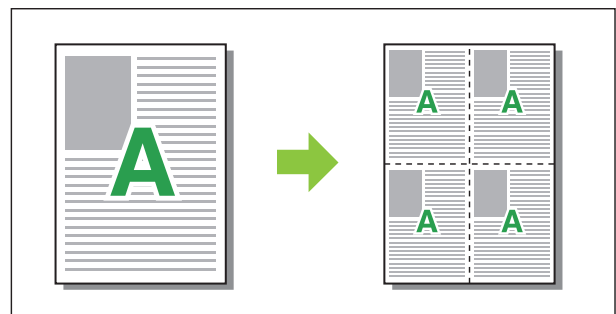


- You cannot use the [Image Repeat] function with the [Mixed Size Original], [Combine], [Booklet] or [Poster] function. (p.105 "Mixed Size Original", p.109 "Combine", p.109 "Booklet", p.110 "Poster")

[OFF], [2 Pages], [4 Pages], [8 Pages]

Select the number of pages per sheet.

Example: If [4 Pages] is selected



Booklet

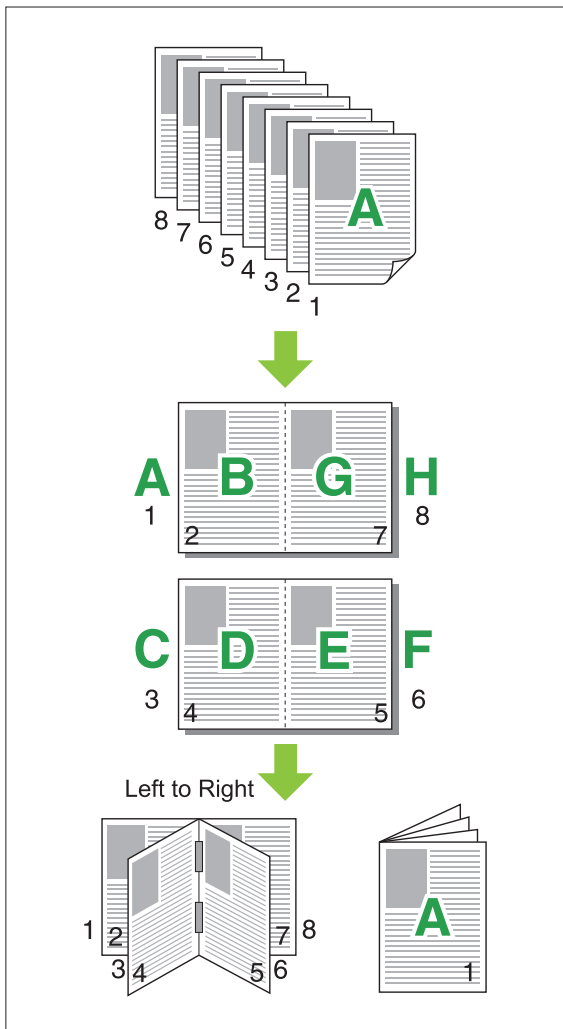
Continuous multiple pages are imposed and printed to create a middle-binding booklet after duplex printing.



- You cannot use the [Booklet] function with the [Mixed Size Original], [Combine], [Image Repeat] or [Poster] function. (p.105 "Mixed Size Original", p.109 "Combine", p.109 "Image Repeat", p.110 "Poster")
- If you are using the optional multifunction finisher, the [Booklet Binding] (folding or middle-binding booklet) option in the [Finishing] tab is available. For more information, see "Booklet Binding" (p.184) in "Optional Equipment".

[OFF], [Left to Right], [Right to Left], [Top/Bottom]

Specify the imposition order. The [Left to Right] and [Right to Left] options appear when [Portrait] is selected for [Original Size]. The [Top/Bottom] option appears when [Landscape] is selected for [Original Size].



Poster

Enlarge one page of image data and divide it onto multiple sheets of paper for printing.



- The areas not to be printed are added on the four sides of the paper printed with Poster function. When sticking the sheets of printed paper together to form a poster, paste them over these areas so that the joint areas become inconspicuous.
- You cannot use the [Poster] function with the [Mixed Size Original], [Combine], [Image Repeat], [Booklet], [Watermark], [Stamp] or [Image Position] function. (p.105 "Mixed Size Original", p.109 "Combine", p.109 "Image Repeat", p.109 "Booklet", p.111 "Watermark", p.112 "Stamp")

[2 divisions (1x2)], [4 divisions (2x2)], [9 divisions (3x3)], [16 divisions (4x4)]

Specify the number of sheets of paper onto which you want to divide the original. Click [Details] to display [Poster] dialog box. The selected settings are immediately applied to the preview image.

[Print range]
[All], [Specified page]

Select the print range. You can also specify the page to be printed in [Specified page]. The page to be printed is highlighted in blue color in the preview image.

[Center alignment]

When the check box is selected, the image is formed at the center when the printed sheets of paper are stucked together. When the check box is not selected, the image is formed at the top left corner when the printed sheets of paper are stucked together.

[Print the cutting line]

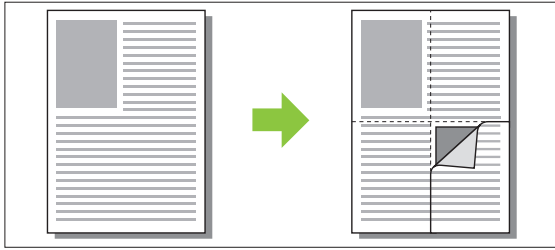
When the check box is selected, the cutting lines are printed on the four corners of each page.

[Margin]

You can specify the margin between 0 mm and 20 mm (13/16").



- You cannot print without margins. Margins are always added around the edges of the paper.
- Depending on the margin setting value, a blank page may be printed out and the part of the image may be omitted.
- The image quality may be rough-grained when enlarging the image data. Be sure to select [Fine] for [Image Quality] and [High] for [Line Smoothing]. For more information, see "Image Quality" (p.115) and "Line Smoothing" (p.116).



Watermark

Add a watermark of the desired size and in the desired position on printouts. Select the [Watermark] check box and click [Details] to display the [Watermark] dialog box. Select a character string from the character string list and configure the necessary settings. The selected settings are immediately applied to the preview image.



- You need to have administrative authority for your computer to add or delete a watermark character string.

■ Text

[Select Text]

[Confidential], [Important], [Circulation], [Reference], [Urgent], [Copying Prohibited]

[Add]

You can also add a character string of up to 63 characters long. Click [Add] under the character string list, and enter the character string in the [Add] dialog box.

[Delete]

Select the character string to delete from the list, and click [Delete].

You cannot delete the default character strings (Confidential, Important, Circulation, etc.).

[Input Text]

[Apply]

You can also print a character string of up to 63 characters long, but you cannot register it; enter a character string each time. Click [Apply] to apply the entered character string to the preview image.

■ Preview

The image according to the settings is displayed. You can also use the mouse pointer to adjust the position in the preview image.

■ Apply Page

[All Pages], [First Page]

■ Text decoration

[Font]

Select a font and style.

[Size]

Specify the character string size.

[Color]

Specify the color of the character string. Click [Others] to select a color from the color palette of the operating system.

[Transparency]

Specify the transparency of the character string. A higher transparency means that the print data will be more visible in the background of the watermark character string.

[Frame]

[Not Installed], [Circle], [Rectangle], [Double Rectangle]

Select a frame for the watermark.

■ Print Position

[Text Angle]

[Horizontal (0 deg)], [Vertical (90 deg)], [Vertical (270 deg)], [Oblique (45 deg)], [Oblique (315 deg)], [Custom] (0-360 deg)

Select the angle of the text. You can also enter the numerical angle of the text.

[Print Position]

[Center], [Top Left], [Top Center], [Top Right], [Center Right], [Bottom Right], [Bottom Center], [Bottom Left], [Center Left], [Custom]

Select the print position of the watermark. You can also enter the values for the positions in the vertical and horizontal directions.

Stamp

Use this option to stamp the page number and date in the header or footer.

Select the [Stamp] check box and click [Details] to display the [Stamp] dialog box. Use the tab screens to configure the settings.

[Page], [Date]



- Different type of stamps cannot be stamped together in the same position.
- When using this function with [Combine] or [Image Repeat], the page number and date are stamped on each page of the copy paper, not per page of the original document. When using this function with [Booklet], the page number and date are stamped on each booklet page.

■ Page

To stamp the page number, select [ON] on the [Page] tab screen.

[Top Left], [Top Center], [Top Right], [Bottom Left], [Bottom Center], [Bottom Right]

Specify the print position.

[Transparency]

Select the [Transparency] check box to have the date stamped on top when the stamp area and images overlap.

Remove the check mark to create a white space by removing images in the stamp area, and then stamp the page number in that white space.

[Start Number]

Enter the stamp start number.

[Stamp Start Page]

Enter the stamp start page. To not stamp on the cover, set [Stamp Start Page] to "2" (For duplex printing, set this to "3" depending on the case).

[Font]

Select a font and style.

[Size]

Specify the page number text size.

■ Date

To stamp the date, select [ON] on the [Date] tab screen.

[Top Left], [Top Center], [Top Right], [Bottom Left], [Bottom Center], [Bottom Right]

Specify the print position.

[Transparency]

Select the [Transparency] check box to have the date stamped on top when the stamp area and images overlap.

Remove the check mark to create a white space by removing images in the stamp area, and then stamp the page number in that white space.

[Apply Page]

When this option is set to [All Pages], the date is stamped on all pages.

When this option is set to [First Page], the date is stamped only on the first page.

[Stamp Date]

Select [Today] to stamp the date based on the date information of the computer.

Select [Specify Date] to enter a date of your choice in the text box.

[Font]

Select a font and style.

[Size]

Specify the date text size.

Image Position

Adjust the printing position of images.



- You can move the image position up to 20 mm (13/16") in all directions (up, down, left, right).
- When performing duplex printing, the front and back sides can be adjusted separately.

Select the [Image Position] check box and click [Details] to display the [Image Position] dialog box. Enter a value in the data entry field of the direction that you want to adjust.

[Front Side], [Back Side]

Enter values in [Horizontal] and [Vertical].

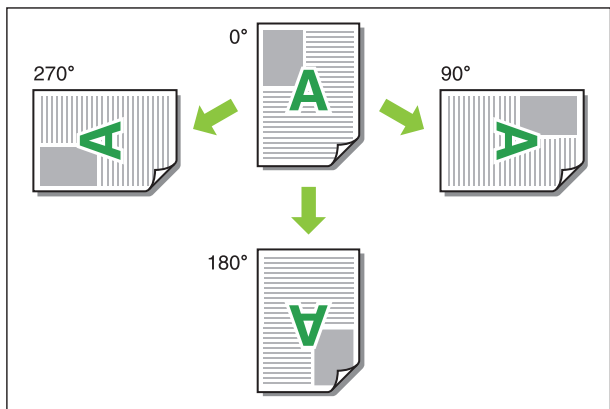
[Reset]

All values are reset to zero.

Rotation

Specify the print orientation.

[Auto], [0 deg], [90 deg], [180 deg], [270 deg]

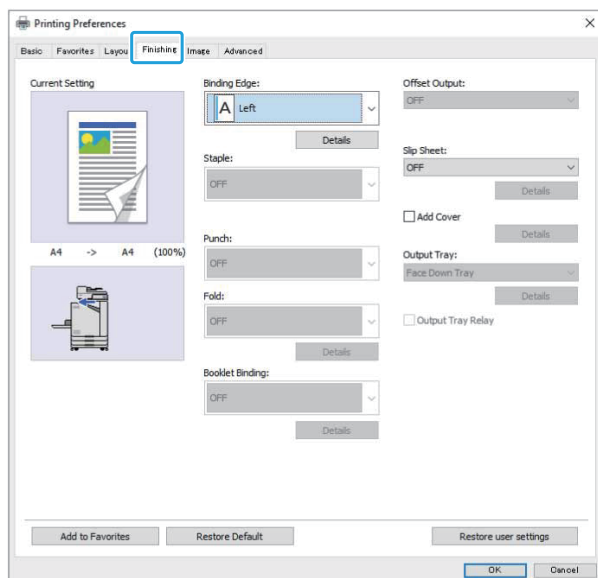


When [Auto] is selected, the print orientation is set automatically according to the orientation of the document data and the orientation of the paper loaded in the paper tray. For normal use, select [Auto].



- To align the print orientation with an envelope or other paper with a fixed feeding direction, specify the angle of rotation.
- [Auto] may be the only option available depending on the document size, the size and orientation of the paper loaded in the tray, and other settings.

[Finishing] Tab

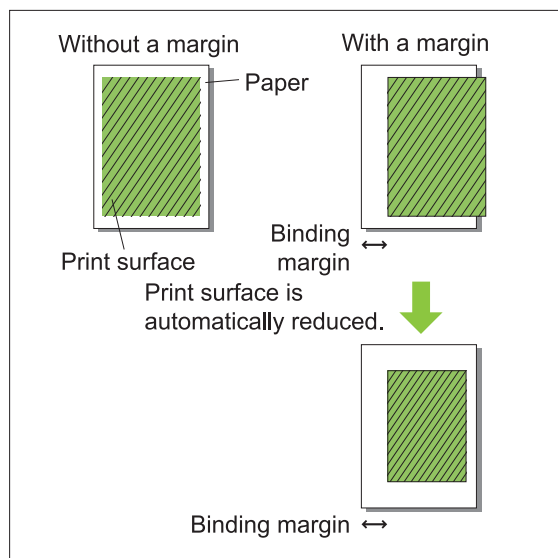


Binding Edge

Specify the binding margin.
[Left], [Right], [Top]

■ Binding Margin Settings

Select the binding edge and click [Details] to display the [Binding Edge] dialog box. Specify the margin width. Select the [Auto Reduction] check box to automatically reduce the printed image to fit the paper in cases where the margin width does not allow for the original-scale printed image to fit into the paper.



Staple

If you are using the optional face down finisher, you can staple at the specified position.

For more information, see the following pages:

- when using the optional face down finisher (p.168 "Staple")
- when using the optional multifunction finisher (p.179 "Staple")

Punch

If you are using the optional multifunction finisher with the punch unit, you can configure holes to punch.

For more information, see "Punch" (p.182) in "Optional Equipment".

Fold

If you are using the optional multifunction finisher, you can specify the paper folding. For more information, see "Fold" (p.182) in "Optional Equipment".

Booklet Binding

If you are using the optional multifunction finisher, the booklet binding function is available. For more information, see "Booklet Binding" (p.184) in "Optional Equipment".

Offset Output

If you are using the optional face down finisher or multifunction finisher, you can offset the output position. For more information, see the following pages:

- when using the optional face down finisher (p.168 "Offset Output")
- when using the optional multifunction finisher (p.179 "Offset Output")

Slip Sheet

Use this function to insert a slip sheet between print units when printing multiple copies. You can stamp a number or letter on slip sheets.

[OFF]

Slip sheets are not inserted.

[Between Sorts]

A slip sheet is inserted between sets, based on the unit specified in [Sort].

[Between Jobs]

A slip sheet is inserted between print jobs. Select whether to insert a slip sheet between sorts or between jobs, and click [Details] to display the [Slip Sheet] dialog box. Select the tray for slip sheets and specify the text to stamp.

Slip Sheet Tray Selection

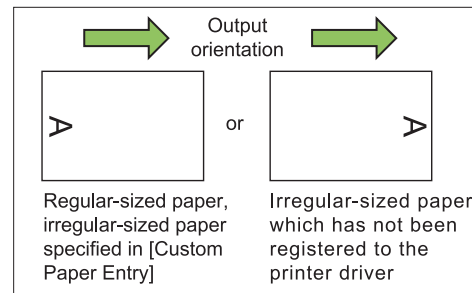
[Standard Tray], [Feed Tray 1], [Feed Tray 2], [Additional Tray]



- [Additional Tray] is displayed when the optional additional tray is connected.

Number on Slip Sheet

The text is printed at the bottom (within approx. 5 mm (7/32") of the edge) or top (within approx. 5 mm (7/32") of the edge) of the sheet.



[OFF]

Nothing is stamped.

[1 2 3 ...]

Numbers are stamped on slip sheets in numerical order (1, 2, 3...). (Up to 9999)

[A B C...]

Letters are stamped on slip sheets in alphabetical order (A, B, C...Z, AA, AB, AC...). (Up to ZZZ)

Add Cover

Specify this option to add a front and/or back cover.

Paper is added from a specified tray before or after the data to be printed. Specify this option to use colored paper or paper that differs from the pages to be printed.

Select the [Add Cover] check box and click [Details] to display the [Add Cover] dialog box. Select [Add Front Cover] or [Add Back Cover], or both check boxes, and specify the tray for the selected cover.

[Add Front Cover]

This option inserts a cover sheet before the first page.

[Add Back Cover]

This option inserts a cover sheet after the last page.

[Select Front Cover Tray], [Select Back Cover Tray]

[Standard Tray], [Feed Tray 1], [Feed Tray 2], [Additional Tray]



- Specify the trays loaded with paper to be used for the covers.
- When loading preprinted paper, it is recommended that one set be printed to check that the orientation matches that of the other pages to be printed.
- [Additional Tray] is displayed when the optional additional tray is connected.

Output Tray

If you are using the optional multifunction finisher or stacking tray, you can select the trays for output. For more information, see the following pages:

- when using the optional multifunction finisher (p.185 "Output Tray")
- when using the optional stacking tray (p.193 "Output Tray")

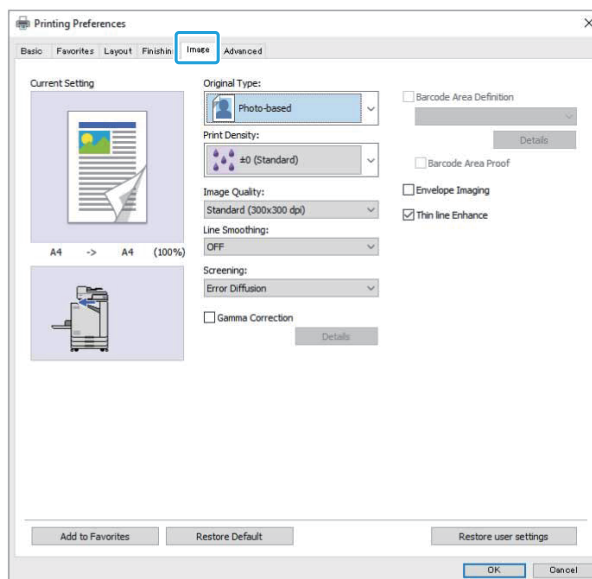
Output Tray Relay

If you are using the optional multifunction finisher or auto-control stacking tray, the output tray can switch automatically when the tray that is being used becomes full.

For more information, see the following pages:

- when using the optional multifunction finisher (p.186 "Output Tray Relay")
- when using the optional auto-control stacking tray (p.194 "Output Tray Relay")

[Image] Tab



Original Type

Select whether to give priority to the image quality of photos or text in originals.

[Photo-based]

This option processes image data with more natural colors.

[Line-based]

This option processes text and illustrations with sharp rendering.

Print Density

Specify the print density.

[-3] (light), [-2], [-1], [±0 (Standard)], [+1], [+2], [+3] (dark)

Image Quality

Specify the image resolution.

[Standard (300x300 dpi)]

Suitable for documents and other originals with text.

[Draft (300x300 dpi)]

Ink consumption is reduced when printing. When less ink is used, print density is reduced and the neutral colors become uneven.

[Data Compression (300x300 dpi)]

Use this option to prioritize network communication speed over quality. When file size of the print data becomes smaller, neutral colors become uneven.

[Fine (300x600 dpi)]

This option is suitable for photos and similar originals.



- Printing will take longer if you select [Fine (300x600 dpi)].
- On ComColor black FT1430/FT1430R, [Fine (300x600 dpi)] is not displayed, and the resolution is fixed to 600 × 600 dpi for each setting.

Line Smoothing

This function supplements the intermediate colors of drawing and background colors in outline sections of text or illustrations (line drawing) to make the outlines smoother.

You can select either of two different image processing types.

[OFF]

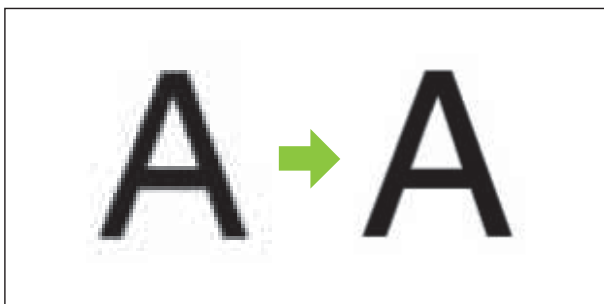
Select this option if you do not want to perform line smoothing.

[Low]

Select this option to make outlines smoother. This is appropriate for printing the data that do not need fine processing.

[High]

Select this option to make outlines smoother and make fine characters and lines clearer.



(Image)



- The line smoothing function's image processing is inversely proportional to processing speed (print speed). The higher the image quality, the lower the print speed.

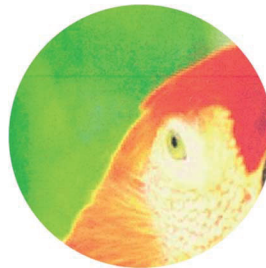
Screening

Specify the halftone processing method.

Halftone is a processing method that varies the density and size of ink dots printed on paper to give the appearance of continuous color gradation when only using a limited number of inks.

[Error Diffusion]

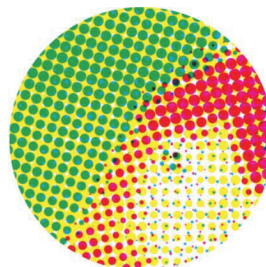
Gradation is expressed through the density of dots. The higher the density, the darker the gradation. The lower the density, the lighter the gradation.



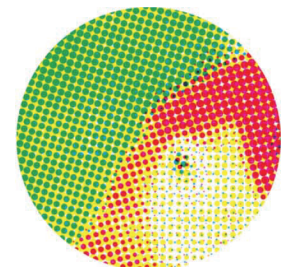
[Dot Process (70 lpi)], [Dot Process (100 lpi)]

Gradation is expressed through the density of dots. The larger the dots, the darker the gradation.

A dot process of 100 lines per inch provides more detailed images.



70 lines per inch



100 lines per inch

(Enlarged image)



- On ComColor black FT1430/FT1430R, the dot process function expresses gradation with the dot size of 140 lines per inch or 200 lines per inch.

Gamma Correction

Use this function to correct the lightness, chroma, contrast, and RGB gamma value.

Select the [Gamma Correction] check box and click [Details] to display the [Gamma Correction] dialog box. Enter a value between -25 and +25 for each item.

[Lightness]

The smaller the value, the darker (blackish) the color. The larger the value, the brighter (whitish) the color.

[Chroma]

The smaller the value, the more washed-out the color. The larger the value, the more vivid the color.

[Contrast]

Adjust the brightness contrast. The smaller the value, the lower the contrast. The larger the value, the higher the contrast.

[Red], [Green], [Blue]

Adjust the gamma value of each color. The smaller the value, the weaker the color. The larger the value, the stronger the color.



- When printouts are yellowish, lower the values of red and green. To adjust other colors, consult with the administrator for configuration.

Barcode Area Definition

This function makes the print density of the specified barcode area suitable for reading.

[Barcode Area Definition]

Select the check box, and select an area definition file to print from the pull-down menu.

[Details]

Click [Details] to display the [Barcode Area Definition] dialog box. The print density of the specified barcode area can be set to a value between -3 and +3.

[Barcode Area Proof]

You can check on printouts (printouts with shades on a barcode print area) whether the barcode area definition is out of alignment, and whether letters or illustrations lie over the 1 mm (0.04") around the barcode.

Creating a Barcode Area Definition File

To use the [Barcode Area Definition] function, use the Barcode Area Definition Software beforehand to create a CSV file that specifies the barcode print area for registering in the printer. For how to install the Barcode Area Definition Software, how to specify the barcode area, and how to register the definition file in the printer, see "Overview of the Barcode Area Definition Software" (p.158).

Checking the Barcode Area Definition

Select the [Barcode Area Proof] check box and click [OK] to output a printout for checking. Check whether the specified area is out of alignment. If the specified area is not printed in the desired position, use the Barcode Area Definition Software again to re-configure the barcode area.



Correct Specification

- Surround the barcode with a margin of 1 mm (0.04") or more.



- The specified area cannot be smaller than the barcode.



- The specified area must be aligned with the barcode.



- Do not include another object with the barcode. Any non-black image inside the specified area is printed out white (disappears).



- In the area specified as the barcode area, regardless of the color of the original, the base color is white, and the barcode color is black. When the document is printed using [Barcode Area Proof], the specified barcode area is printed in the color specified in the [Color Mode] setting.

- The type of targeted barcodes is one-dimensional. If the barcodes are two-dimensional (e.g., QR code), you do not need to perform this setting.
- If you print using different resolutions for the application that created the original and the printer, barcodes may not be able to be read correctly even using this function.

■ Printing Barcode Originals

Once the barcode area is correctly defined, print the document.



- In the area specified as the barcode area, regardless of the color of the original, the base color is white, and the barcode color is black.

- 1 Open the printer driver from the Print menu on the document application screen.
- 2 On the [Image] tab screen, select the [Barcode Area Definition] check box.
- 3 Select the barcode area definition file from the pull-down menu.
- 4 Click [OK].
The print density of the barcode area is appropriately configured before printing.



- Follow the procedure below to set the settings of frequently used barcode originals as the default settings. This will enable you to print barcodes without performing necessary settings each time, making barcode printing easy.

■ How to Register to the Default

- 1 Right-click the FT series printer from [Devices and Printers] on the [Start] menu.

- 2 Open the printer driver screen from [Printing Preferences] to display the [Image] tab screen.
- 3 Configure the settings necessary for barcode printing, and click [Apply].

The "barcode area definition" file is registered as the default settings. From now on, you can perform barcode printing just by selecting the printer driver.

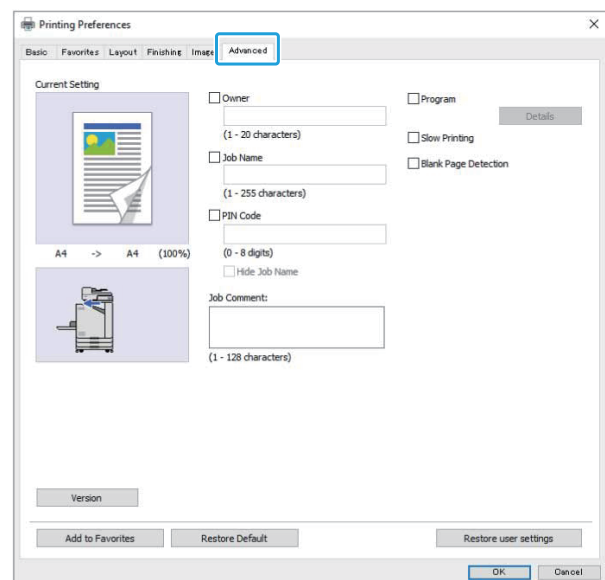
Envelope Imaging

Prevent blur and small stains during envelope printing. Select the [Envelope Imaging] check box.

Thin line Enhance

Prevent fine lines in the original from disappearing. Select the [Thin line Enhance] check box.

[Advanced] Tab



Owner


You can enter an owner's name of your choice. Select the [Owner] check box to enter the owner's name.

Job Name

You can enter a job name of your choice. Select the [Job Name] check box to enter the job name.

PIN Code

You can set a PIN code when printing a document you do not want others to view. To print a PIN code-protected job, enter the PIN code using the operation panel of the printer. Select the [PIN Code] check box and enter a PIN code. When [Hide Job Name] is selected, the job name is displayed with asterisks (*) on the operation panel of the printer and on the RISO Console.

 • **Manage the PIN code so as not to forget it. Users without administrative authority cannot delete jobs from a list for which the PIN code is unknown. Contact the administrator to delete these jobs.**

Job Comment

You can enter a comment for printer users. You can display job comments using the operation panel of the printer or the RISO Console.

Program

When you want to distribute the different number of copies by group (such as corporate division or classes), you can quickly print the necessary number of copies by only one operation. For example, to distribute a document to each division in an office, you can print the number of copies per division. Select the [Program] check box and click [Details] to display the [Program] dialog box. Specify the number of copies and sets for each group.

■ Entering the Number of Copies and Sets

Group [01G] - [60G]

Set a program in which one group is combined with both the numbers of copies and sets. You can configure up to 60 groups.

[Copies]

Enter the number of copies to be printed. You can configure up to 9,999 copies.

[Sets]

Specify how many sets you need to print based on the number of one set of copies entered in [Copies]. You can configure up to 99 sets.

<Setting Example>

The following describes how to configure the settings when printing by dividing copies by the number of employees per division.

Division	General Affairs	Accounting	Management
No. of employees	10	6	10
Necessary number of copies	10	6	10

Divide groups into division units and specify the numbers in [Copies] and [Sets] respectively for each group. Enter the number of employees in [Copies]. To print one set of copies specified, enter 1 in [Sets].

Division	Printer driver settings		
	Group	Copies	Sets
General Affairs	01G	10	1
Accounting	02G	6	1
Management	03G	10	1

In addition, when multiple groups have the same necessary number of copies, you can group them together as one group by increasing the number of sets. In this case, both the general affairs and management divisions have the same number of copies, so that you can configure the settings as follows to print by dividing copies by corporate division.

Division	Printer driver settings		
	Group	Copies	Sets
General Affairs, Management	01G	10	2
Accounting	02G	6	1

■ Sort

Specify whether to print page by page or in sets. **[Uncollated]**, **[Collated]**

■ Slip Sheet (Program)

Insert a slip sheet to separate printouts into specified units.

[OFF]

Slip sheets are not inserted.

[Between Sets]

Slip sheets are inserted between sets.

[Between Groups]

Slip sheets are inserted between groups.

■ Slip Sheet Tray

[Feed Tray 1], **[Feed Tray 2]**, **[Standard Tray]**, **[Additional Tray]**



- **[Additional Tray]** is displayed when the optional additional tray is connected.

■ Number on Slip Sheet

When this check box is selected, numbers are stamped on the slip sheets.

If **[Between Sets]** is selected, the group number and set number are stamped.

If **[Between Groups]** is selected, the group number is stamped.

■ Offset Output (Program)

This function is available when the optional face down finisher or multifunction finisher is connected. For more information, see the following pages:

- when using the optional face down finisher (p.171 "Offset Output (Program)")
- when using the optional multifunction finisher (p.186 "Offset Output (Program)")

Slow Printing

This option slows down the printing speed. This also reduces the operating sound of the job being processed.

Blank Page Detection

The print data is printed excluding the blank pages.



- "Blank pages" means pages that are normally output without anything printed on them. Pages are printed even if they have only a header or footer but no main text.

Version

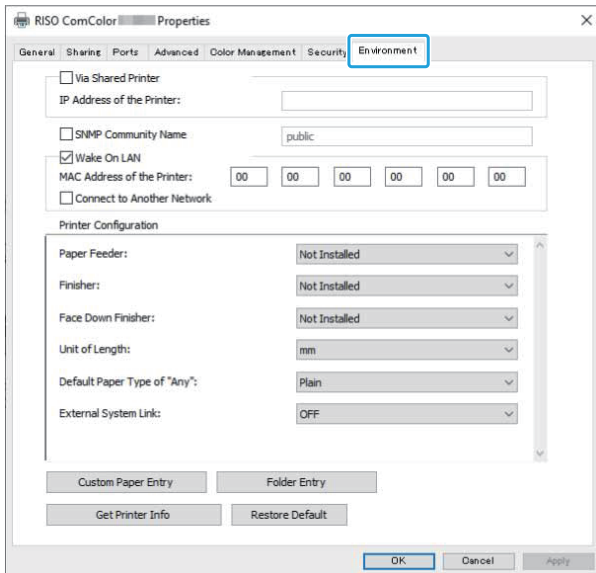
Check the "version" and "color profile" of the printer driver, as well as the "model name" of the printer.

Environment Settings

This section describes how to configure the environment settings, including the configuration of optional equipment connected to the machine. When using the printer driver for the first time or adding optional equipment to the machine, configure the printer configuration.

[Environment] Tab

To display the [Environment] tab, go to [Devices and Printers] from the [Start] menu, right-click the FT series printer, and open the [Printer properties].



- Clicking [Restore Default] restores all settings on the tab to their default values.

Via a Shared Printer

Select this option to share the printer driver of the server computer to use this machine. Select the check box and enter the machine's IP address in the [IP Address of the Printer] field. You can check the IP address of the printer on the [System Info] - [Machine Info] screen on the operation panel.

SNMP Community Name

Specify the community name required for obtaining the machine's information from the computers with SNMP communication.

Place a check in [SNMP Community Name] and use the text box to enter 1 to 32 characters as the community name for SNMP communication.



- If a check is not placed in [SNMP Community Name], the community name for SNMP communication will be set to "public".

- Alphanumeric characters (upper case/lower case) and the following symbols can be entered in the text box for [SNMP Community Name]:

. / : ; @ [\] ^ _

- It will not be possible to obtain information from the machine if the SNMP community names are different between the machine and the printer driver. If you have made changes to the SNMP community name with the machine, be sure to apply the change to the printer driver too.

Wake On LAN

Specify the Wake On LAN setting to be used for waking up the machine via LAN.

If you try to print in a network environment where Wake On LAN communication is not enabled, the printer does not wake up automatically.

Select [Get Printer Info] and click [Apply] to obtain the MAC address and display it in [MAC Address of the Printer].

To enter the MAC address manually, select the [Wake On LAN] check box and enter the MAC address in [MAC Address of the Printer] and select [Connect to Another Network].

[Connect to Another Network]

Normally, leave this check box unselected. Select this option when the printer's and computer's network segments are different.

Printer Configuration

Normally, the optional equipment configuration information is automatically obtained from the printer when installing the printer driver. The information obtained from the machine is displayed in [Printer Configuration]. The obtained information can also be changed manually.



- The information displayed on the screen varies depending on the optional equipment connected.

[Unit of Length], [Default Paper Type of "Any"], and [External System Link] are not configured automatically.

■ Configuring the Printer Configuration Manually

You can change the optional equipment configuration that you obtain from the printer. Specify the following settings manually.

[Finisher]

Select the type of finisher that is connected to this machine.

[Face Down Finisher]

Select whether there is a face down finisher.

[Unit of Length]

Select whether to display the length in [mm] or [inch].

[Default Paper Type of "Any"]

Select the paper type to use when [Paper Type] under the [Basic] tab on the printer driver screen is set to [Any].

[External System Link]

Set this option to [ON] to enable and [OFF] to disable external system link.



- The machine changes the color profile according to the paper type. (p.106 "Paper Type") Even if a paper type is not specified, you must select one of the color profiles. Make your selection based on the administrator's recommendation.

Custom Paper Entry

Register up to 99 non-standard paper sizes. The sizes registered here are displayed in [Original Size] and [Paper Size].

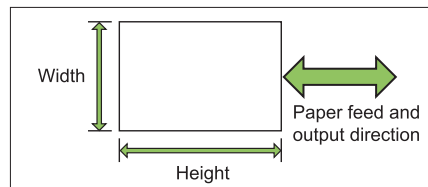
■ Configuring the Paper Size Automatically

You can use this option when the paper size is already registered in the printer.

- 1 Click [Custom Paper Entry].**
The [Custom Paper Entry] dialog box is displayed.
- 2 Click [Get Printer Info].**
The information of the paper size registered in the printer is displayed.
- 3 Click [Close].**
The paper size information is saved.

■ Configuring the Paper Size Manually

- 1 Click [Custom Paper Entry].**
The [Custom Paper Entry] dialog box is displayed.
- 2 Enter the paper width and length.**



When the multifunction finisher is connected, see "Multifunction Finisher FG20 (Optional)" (p.223) in "Appendix".

- 3 Enter a name for the paper size.**
Enter a name up to 30 characters long.
- 4 Click [Add] to register the paper size.**
- 5 Click [Close].**
The paper size information is saved.

■ Saving the Paper Size to a Computer

You can save the registered paper size to a computer. It is useful to save settings to a computer when, for example, you want to share the registered paper size among multiple users or reinstall the printer driver.

- 1 Click [Custom Paper Entry].**
The [Custom Paper Entry] dialog box is displayed.
- 2 Select the paper size to save from the list box.**
- 3 Click [Save in File].**
- 4 Specify the destination folder and file name.**

5 Click [Save].

The selected paper size is saved.

■ Reading a Paper Size from a Computer

You can read and use a paper size saved to a computer.

1 Click [Custom Paper Entry].

The [Custom Paper Entry] dialog box is displayed.

2 Click [Open File].**3 Select the file with the paper size setting on the computer.****4 Click [Open].**

The read paper sizes are displayed in the list on the [Custom Paper Entry] dialog box.

■ Deleting a Paper Size**1 Click [Custom Paper Entry].**

The [Custom Paper Entry] dialog box is displayed.

2 Select the paper size to delete from the list box.**3 Click [Delete].**

The selected paper size is deleted.

Folder Entry

You can register in the printer driver the folders to save the print data to. The shared folders and personal folders registered here are displayed as print data destination folders in [Output] under the [Basic] tab on the printer driver screen. (p.107 "Output and Destination")



- If folder information cannot be obtained from the printer, the shared folders are displayed as "Shared folder 1" to "Shared folder 30".

■ Configuring a Folder Entry**1 Click [Folder Entry].**

The [Folder Entry] dialog box is displayed.

2 Click [Get Printer Info].

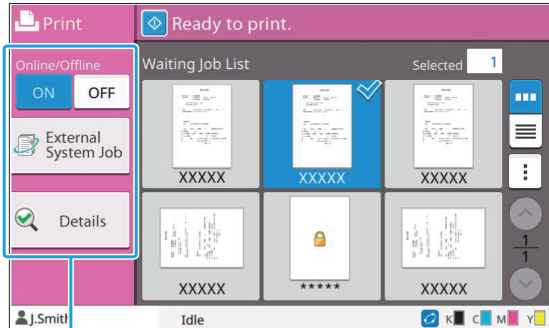
The information of shared folders registered in the printer is displayed in [Shared Folder in the Printer].

3 Select the folder to add to [Registered Folder] and click [Add ->].**4 Configure the personal folder.**

For personal folders, select the [Use Personal Folder] check box.

5 Click [OK].**6 Click [OK].**

Print Mode Function Buttons



Function buttons


Online/Offline

You can switch the network connection status (online/offline). When this setting is set to [OFF], the machine does not accept print orders from computers.

Specify this setting when you want to use the machine exclusively without being interrupted by other job.

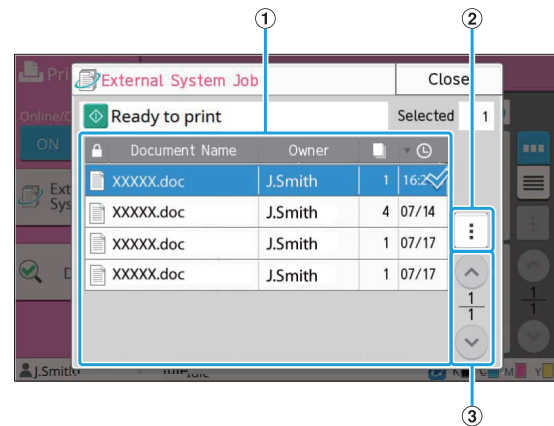
[OFF], [ON]



- When this setting is set to [OFF], [] is displayed. (p.33 "[Home] Screen")
- If the user does not return this setting to [ON] after printing their job, the setting automatically returns to [ON] in the following cases.
 - When auto reset is executed (The auto reset timing is set by the administrator.)
 - When you log out

External System Job

When using an external system link, you can print jobs saved on an external system.



① View

External system jobs are listed. The job list displays the document name, owner name, number of copies, and receiving date/time.

② Sub Menu

- Select All / Deselect all
- Delete
- Details

In Details, you can check Document Name, User Name, Received, Client, Pages, and Cost.

③ / buttons

Use these buttons to switch the view pages.

The current page and total number of pages are displayed as a fraction.

Details

You can check the details of the selected document.

1 Touch [Details].

The [Details] screen is displayed. Check the details of the selected document.

The following settings can be configured from the sub menu.

- Print This List

2 Touch [Close].

Change Setting

To check job settings, select the job and touch [Change Setting] in the sub menu.

Paper Selection

Select a paper tray.

You can also change the tray settings (paper size, paper type, double-feed check, and auto selection).

For more information, see "Paper Selection" (p.59) in "Copying".

Print Density

You can adjust the print density.

For more information, see "Print Density" (p.63) in "Copying".

Image Position

This function adjusts the printing position of images.

For more information, see "Image Position" (p.70) in "Copying".

Slow Printing

This option slows down the printing speed as well as reduces the operating sound of the job being processed.

For more information, see "Slow Printing" (p.76) in "Copying".

You can save the scanned data in folders for printing as necessary.

Overview of Storage Operations (Save) p.128

1. Load the original.



2. Select [Storage] - [Save] on the [Home] screen.



3. Select a folder to save the data to.



4. Press the [Start] key.

Overview of Storage Operations (Load) p.129

1. Select [Storage] - [Load] on the [Home] screen.



2. Select a folder.



3. Select a document.



4. Enter the number of copies using the numeric keys.



5. Press the [Start] key.

Storage Mode Function Buttons p.133

This section explains the functions available in Storage mode.

Overview of Storage Operations

This section explains the basic storage operations.

Saving the Data to a Folder

You can save the scanned data to a folder.

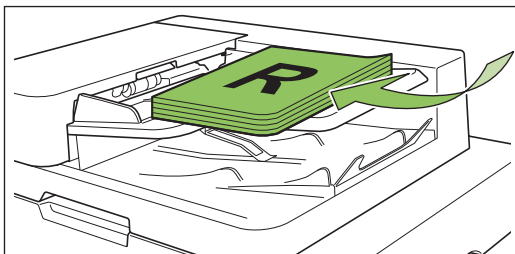
1 Load the original.

For more information on the types of originals that can be used, see "Originals" (p.24).

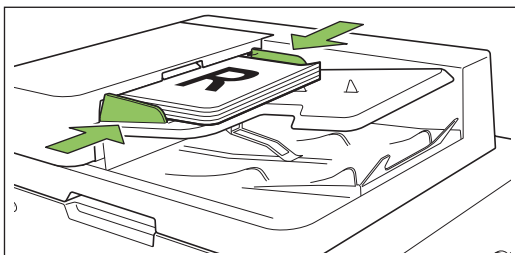
■ In the ADF

1) Load the original in the ADF.

Align the originals and place them face up.



2) Slide the original guides to match the width of the originals.

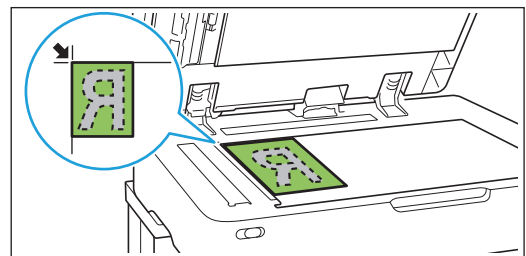


■ On the Platen Glass

1) Open the original cover.

2) Load the original.

Load the original face down on the glass. Align the corner of the original with the upper-left corner of the glass.

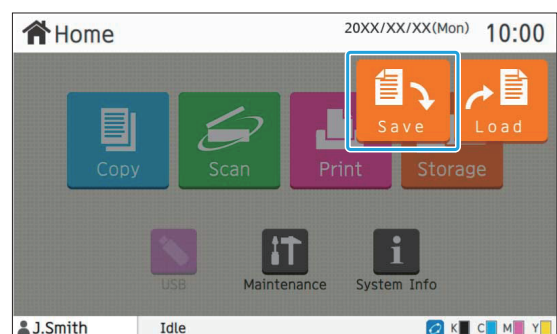


3) Close the original cover.

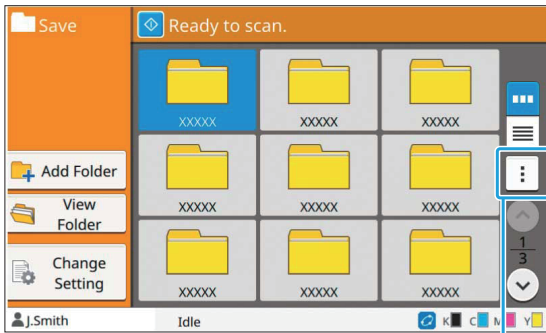


• Open and close the original cover gently.

2 Select [Storage] - [Save] on the [Home] screen.



3 Select a folder to save the data to.



Sub menu

The folder list shows personal folders. It also shows shared folders, access to which is managed by the administrator.

The following settings can be configured from the sub menu.

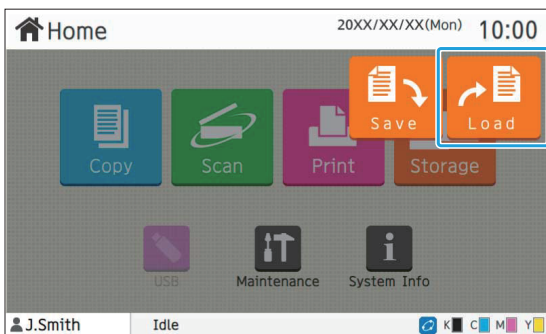
- Change Color
- Rename

4 Press the [Start] key.

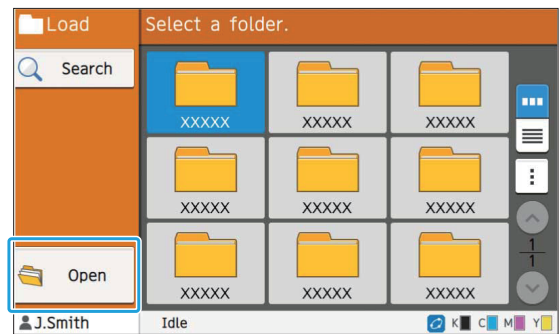
Printing a Document in a Folder

You can print a document that is saved in a folder.

1 Select [Storage] - [Load] on the [Home] screen.

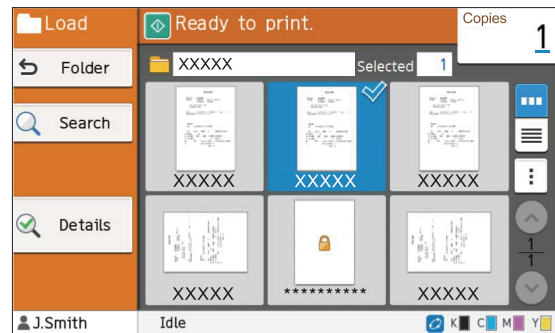


2 Select the folder that you want to use and touch [Open].



The folder list shows personal folders. It also shows shared folders, access to which is managed by the administrator.

3 Select the document that you want to print.



The selected document has a check mark.

4 Enter the number of copies using the numeric keys.

5 Press the [Start] key.

! Documents saved in a folder are digitized along with their settings. When printing these documents, use the same paper type as that used when saving the data in the folder.

List of Settings in [Storage] - [Save]

Select a folder on the [Storage] - [Save] screen and touch [Change Setting] to display the settings. The settings that can be configured on this screen are listed below.

Setting item	Description	See
Document Name	View/Specify the document names when saving the document data to a folder.	p.88
Color Mode	Select color or monochrome printing.	p.59
Reproduction Size	Use this to reduce or enlarge the copied image.	p.59
Paper Selection	Change the paper tray, paper type, and feed control settings according to the copying paper.	p.59
Scanning Size	Specify the scanning size for originals.	p.61
Original Orientation	Specify the orientation of the original.	p.61
Duplex/Simplex	Specify the sides of the original to be scanned and the sides of the paper to be printed on.	p.62
Sort	Specify the printing method for making multiple copies of the original.	p.62
Scanning Level	Adjust the scanning level of originals.	p.62
Print Density	Specify the print density.	p.63
ADF Scan & Pause	Use this option to copy as one job even when having to load the original in multiple sets due to the large number of pages in the original.	p.63
Mixed Size Original	Use this option when multiple different original sizes are used in the original.	p.63
Book Shadow Erasure	Remove shadows that appear in the center of images when an open book is scanned.	p.64
Page Split	Use this option to scan double-spread pages into two parts (right and left).	p.64
Combine	Use this option to impose continuous pages onto one sheet.	p.65
Image Repeat	This imposes multiple copies of the same original onto one sheet.	p.66
Booklet	Specify the imposition when creating a booklet. When the optional multifunction finisher is connected, creating the booklets with saddle stitch stapling is also available.	p.66
PIN Code	Specify whether to apply a PIN code to a job. If a PIN code is used on a document, the PIN code is required to print or delete that document.	p.90
Stamp	Use this option to print the page number, date, and text in the header or footer area.	p.66
Page Border	Use this option to add a border line in the margins of the paper.	p.68
Image Quality	Specify the resolution for scanning originals.	p.68
Original Type	Select the original type so that the appropriate image processing is performed before printing the scanned data.	p.69
Gamma Correction	Use this option to correct the color balance (CMYK) of the scanned data.	p.69
Image Control	Specify the image processing of the original.	p.69
Base Color Level	Make the background color (base color) lighter so that the text is easier to read.	p.70
Image Position	Specify this when adjusting the print position.	p.70

Setting item	Description	See
Program	Specify this when the number of required copies varies by group (such as corporate division or classes). You can quickly print exactly the number of copies of the number of sets you need.	p.72
Add Cover	Specify this to add front and back covers to the front and back of the printout.	p.74
Separation	Configure the settings for slip sheets. When the optional multifunction finisher or face down finisher is connected, the offset output setting is also available.	p.74
Binding Margin	Specify whether to print with a binding margin. You can set the binding edge and binding margin values.	p.75
Staple / Punch	Configure the staple settings. (When the optional multifunction finisher or face down finisher is connected)	p.75
	Configure the staple and punch settings. (When using the optional multifunction finisher with the punch unit)	p.186
Fold	Configure the settings for the paper folding. (When using the optional multifunction finisher with the folder unit)	p.188
Slow Printing	Use this option to slow down the printing speed. This also reduces the operating sound of the job being processed.	p.76
Output Tray	Select the output tray for printouts. (When using the optional multifunction finisher)	p.189
	Select the output tray for printouts. (When using the optional stacking tray)	p.193
Face Up/Down	Specify whether to output printouts face up or face down to the tray. (When using the optional multifunction finisher)	p.190
	Specify whether to output printouts face up or face down to the tray. (When using the optional stacking tray)	p.194
Output Tray Relay	Use this option to automatically switch the output tray when the one being used becomes full. (When using the optional multifunction finisher)	p.190
	Use this option to automatically switch the output tray when the one being used becomes full. (When using the optional auto-control stacking tray)	p.194
Paper Tray Relay	Use this option to automatically feed paper from a different tray with the same paper size and paper type when the selected tray runs out of paper.	p.76
Auto Image Rotation	Rotate the image 90 degrees automatically when the orientation of the original and paper do not match.	p.76
Folder	Display the folder list screen.	p.133
Favorites	This function calls frequently used settings.	p.133
Check Setting	Use this option to check the current settings. You can check the preview of the scanned data.	p.133
Custom Menu	Register favorites and default settings, and edit the button order.	p.134

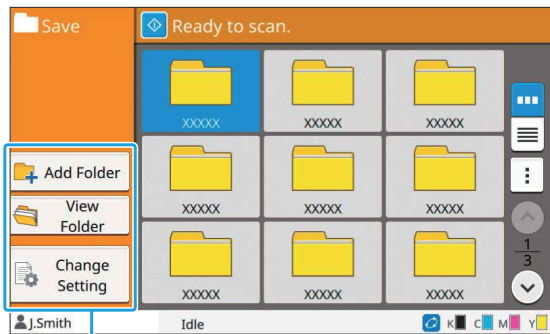
List of Settings in [Storage] - [Load]

Select a folder on the [Storage] - [Load] screen and touch [Open] to display a list of all documents in that folder. Select a document and touch [Change Setting] in the sub menu to display the settings screen. The following is a list of settings that are available on this screen.

Setting item	Description	See
Paper Selection	Change the paper tray, paper type, and feed control settings according to the paper to be copied.	p.59
Print Density	Specify the print density.	p.63
Image Position	Specify this when adjusting the print position.	p.70
Slow Printing	This option slows down the printing speed as well as reduces the operating sound of the job being processed.	p.76

Storage Mode Function Buttons

Function Buttons in [Storage] - [Save]



Function buttons

Add Folder

You can add a new folder.

1 Touch [Add Folder].
The [Add Folder] screen is displayed.

2 Enter the folder name and touch [OK].



- For more information on text input, see "Entering Text" (p.42) in "Touch Panel".
- You can use both upper and lower case letters.
- If there is already a folder with the same name, a confirmation screen is displayed with a message indicating that the entered folder name cannot be registered.

View Folder

This function displays a list of documents in the selected folder.

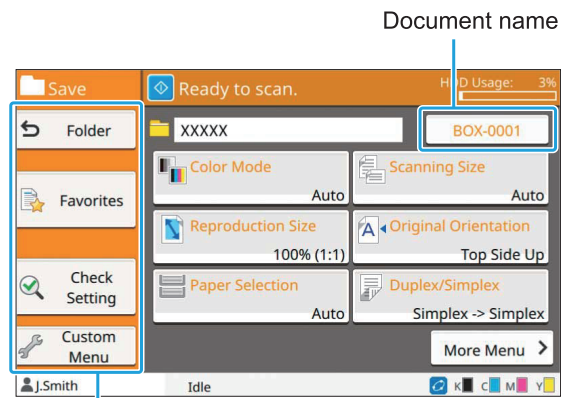


- Touch [Document Name], [Owner] or [Saved] to switch the sorting order between ascending and descending for display.

Change Setting

You can change the settings for saving a document to a folder.

For more information on the setting buttons, see "List of Settings in [Storage] - [Save]" (p.130).



Function buttons

Folder

Touch this button to display the folder list screen.

Favorites

Touch this button to call registered settings. For more information, see "Favorites" (p.78) in "Copying".

Check Setting

You can view the settings for the document to be saved.

For more information, see "Check Setting" (p.92) in "Scanning".

■ Custom Menu

You can register favorites and default settings, and edit the button order.
For more information, see "Custom Menu" (p.79) in "Copying".

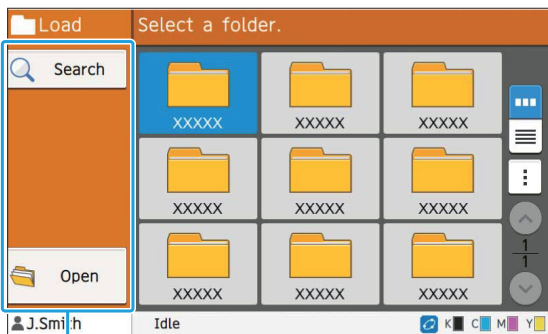
■ Document Name

Touch the document name button to specify the document name when saving a document to a folder.
For more information, see "Document Name" (p.88) in "Scanning".



- The owner's name cannot be added to the document name.

Function Buttons in [Storage] - [Load]



Function buttons

Search

Touch this button to search documents in all folders.

1 Touch [Search].
The [Search] screen is displayed.

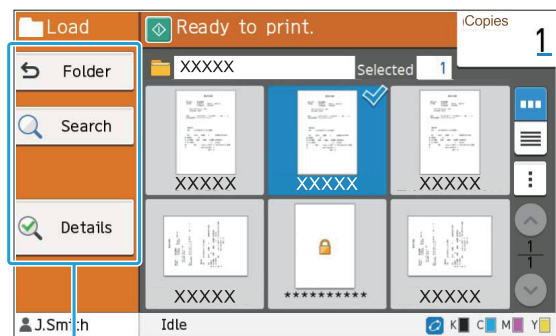
2 Enter a text string that you want to search for and touch [OK].



- For more information on text input, see "Entering Text" (p.42).
- In the following cases, the job name is displayed as "*****".
 - Jobs with the [Hide Job Name] check box selected on the printer driver (p.119 "PIN Code")

Open

Touch this button to display a list of documents in the folder.



Function buttons

■ Folder

Touch this button to display the folder list screen.

■ Search

Touch this button to search documents in the opened folder.

■ Details

You can check the details of the selected document. You can print this list from the sub menu.

■ Sub Menu

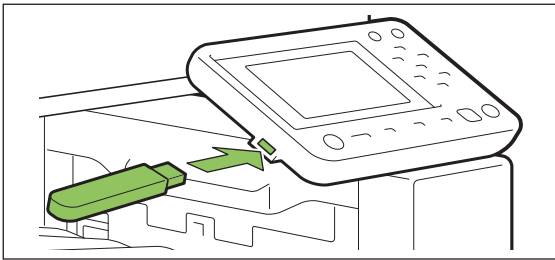
The following settings can be configured for selected documents.

- Rename
- Select All / Deselect all
- Delete
- Change Setting
- Copy to USB Drive (p.135)
- Copy to Folder (p.135)

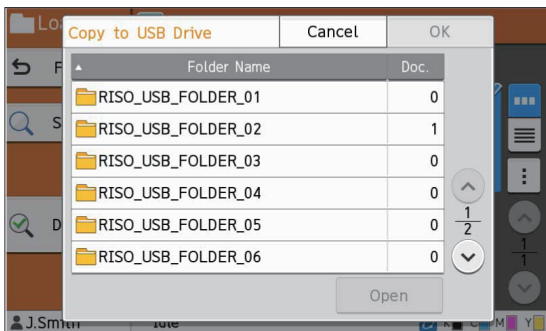
■ Copy to USB Drive

The documents saved in a folder can be copied to a USB flash drive.

1 Insert a USB flash drive into the USB slot.



2 Display the sub menu and touch [Copy to USB Drive].



3 Select the folder that you want to save the document to and touch [OK].

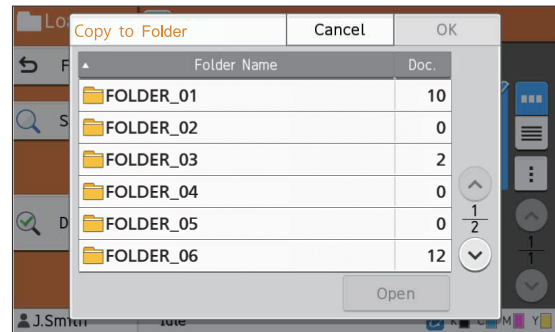


- If the USB flash drive does not have a folder when [OK] is touched, a folder is automatically generated to copy the document.
- Select a folder and touch [Open] to display a list of all documents in that folder.

■ Copy to Folder

The documents saved in a folder can be copied to another folder.

1 Display the sub menu and touch [Copy to Folder].



2 Select the folder that you want to save the document to and touch [OK].



- Only the folders accessible to the logged-in user are displayed on the [Copy to Folder] screen.
- Select a folder and touch [Open] to display a list of all documents in that folder.

You can save the scanned data to a USB flash drive connected to this machine.
You can also print documents that is saved on a USB flash drive from the printer driver.

Overview of USB Operations (Save) p.138

1. Insert a USB flash drive into the USB slot.
2. Load the original.
3. Select [USB] - [Save] on the [Home] screen.
4. Change the settings.
5. Press the [Start] key.

Overview of USB Operations (Load) p.139

1. Insert a USB flash drive into the USB slot.
2. Select [USB] - [Load] on the [Home] screen.
3. Select a folder.
4. Select a document.
5. Enter the number of copies using the numeric keys.
6. Press the [Start] key.

USB Mode Function Buttons p.142

This section explains the functions available in USB mode.



5

USB

USB

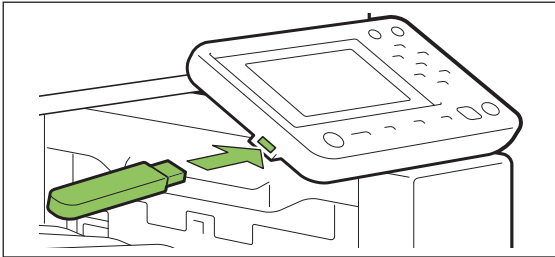
Overview of USB Operations

This section explains the basic operations in USB mode.

Saving the Scanned Data to a USB Flash Drive

You can save the scanned data to a USB flash drive.

- 1) **Insert a USB flash drive into the USB slot.**



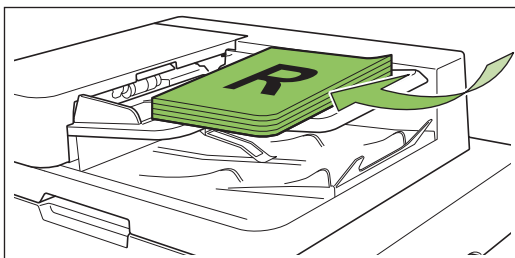
- 2) **Load the original.**

For more information on the types of originals that can be used, see "Originals" (p.24).

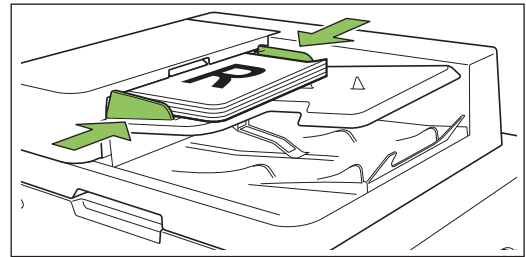
■ In the ADF

- 1) **Load the original in the ADF.**

Align the originals and place them face up.



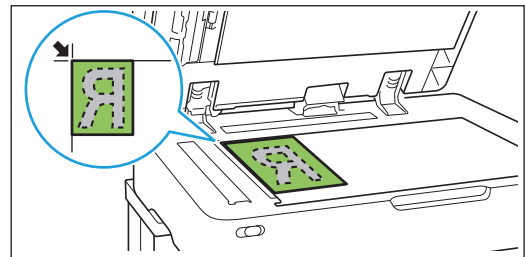
- 2) **Slide the original guides to match the width of the originals.**



■ On the Platen Glass

- 1) **Open the original cover.**
- 2) **Load the original.**

Load the original face down on the glass. Align the corner of the original with the upper-left corner of the glass.

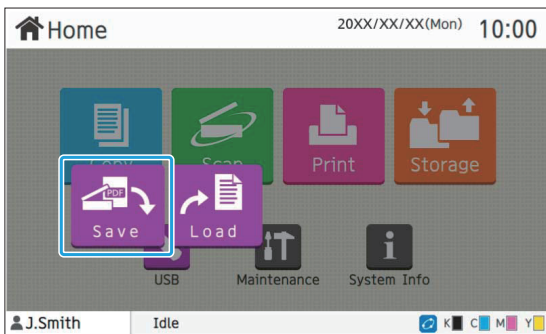


- 3) **Close the original cover.**

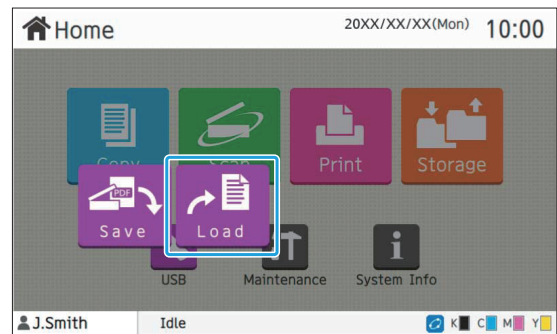


• Open and close the original cover gently.

3 Select [USB] - [Save] on the [Home] screen.



2 Select [USB] - [Load] on the [Home] screen.




4 Change the settings.
Specify the detailed settings for scanning.
For more information on the functions that can be configured, see "List of Settings in [USB] - [Save]" (p.140).

5 Press the [Start] key.

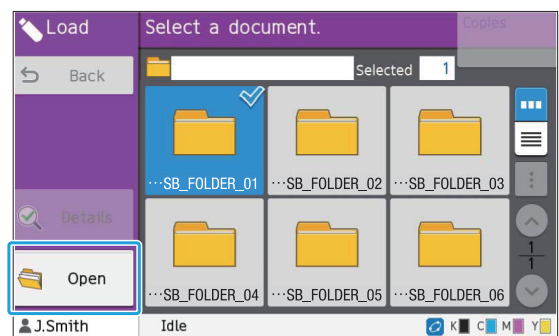
Printing a Document Saved on a USB Flash Drive

You can print a document that is saved on a USB flash drive.
For specific instructions on how to save a document to a USB flash drive, see "Output and Destination" (p.107) in "Printing".

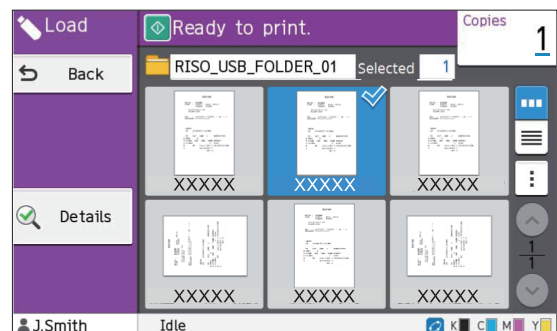
-  Only PRN-format files can be printed.
- A PRN file is a dedicated file format in which data is output via the printer driver. This type of file can only be opened on a RISO printer or application.
- If you are using the optional PostScript kit, you can also use PDF files. For more information, see "Printable Files in the USB Flash Drive" (p.207) in "Optional Equipment".

1 Insert a USB flash drive into the USB slot.

3 Select the folder that you want to use and touch [Open].



4 Select the document that you want to print.



The selected document has a check mark.

5 Enter the number of copies using the numeric keys.

6 Press the [Start] key.

5

List of Settings in [USB] - [Save]

The following is a list of settings available on the [USB] - [Save] screen.

Setting item	Description	See
Document Name	View/Specify the document names when saving the document data to a USB flash drive.	p.88
Color Mode	Specify the color mode of the data to be scanned.	p.88
Scanning Size	Specify the scanning size for originals to be scanned.	p.89
File Format	Specify the file format, compression level and resolution for saving the scanned data.	p.89
Duplex / Simplex	Specify the sides of the original to be scanned.	p.89
Scanning Level	Adjust the scanning level of originals.	p.62
Original Orientation	Specify the orientation of the original.	p.61
Resolution	Specify the resolution for scanning originals.	p.90
Mixed Size Original	Use this option when multiple different original sizes are used in the original.	p.63
Book Shadow Erasure	Remove shadows that appear in the center of images when an open book is scanned.	p.64
Page Split	Use this option to scan double-spread pages into two parts (right and left).	p.64
Original Type	Select the original type to perform the appropriate image processing and save the scanned data.	p.90
Gamma Correction	Use this option to correct the color balance (CMYK) of the scanned data.	p.91
Image Control	Specify the image processing appropriate for the original.	p.69
Base Color Level	Make the background color (base color) lighter so that the text is easier to read.	p.70
Favorites	This function calls frequently used settings.	p.142
Check Setting	Use this option to check the current settings. You can check the preview of the scanned data.	p.142
Custom Menu	Register favorites and default settings, and edit the button order.	p.142

List of Settings in [USB] - [Load]

Select a folder on the [USB] - [Load] screen and touch [Open] to display a list of all documents in that folder. Select a document and touch [Change Setting] in the sub menu to display the settings screen.

The following is a list of settings that are available on this screen.

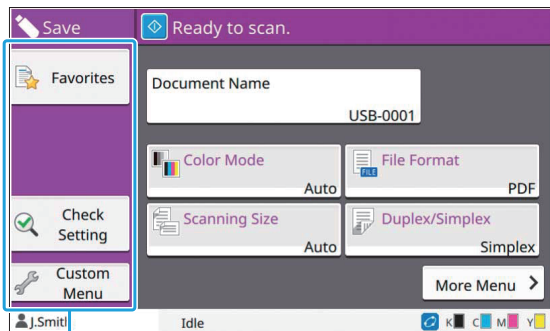
Setting item	Description	See
Paper Selection	Change the paper tray, paper type, and feed control settings according to the paper to be copied.	p.59
Print Density	Specify the print density.	p.63
Image Position	Specify this when adjusting the print position.	p.70
Slow Printing	This option slows down the printing speed. This also reduces the operating sound of the job being processed.	p.76



- If the optional PostScript kit is installed, PDF files saved on a USB flash drive can also be used. In this case, you can change the settings for printing PDF files. For more information, see "Printable Files in the USB Flash Drive" (p.207) in "Optional Equipment".

USB Mode Function Buttons

Function Buttons in [USB] - [Save]



Function buttons

Favorites

Touch this button to call registered settings. For more information, see "Favorites" (p.78) in "Copying".

Check Setting

You can view the settings for the document to be saved. For more information, see "Check Setting" (p.92) in "Scanning".

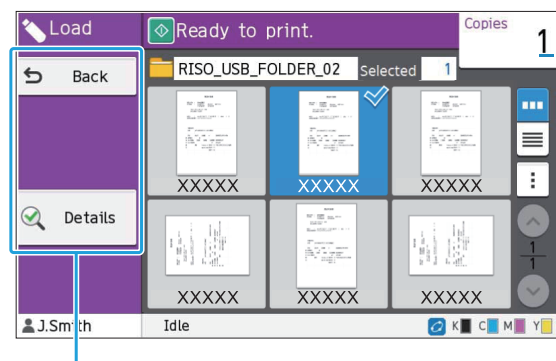
Custom Menu

You can register favorites and default settings, and edit the button order. For more information, see "Custom Menu" (p.79) in "Copying".

Document Name

Display the document names when saving the document data to a USB flash drive. Touch [Document Name] to set the document naming settings. For more information, see "Document Name" (p.88) in "Scanning".

Function Buttons in [USB] - [Load]



Function buttons

Back

Touch this button to display the upper directory of the document list.

Details

Touch this button to check the details of the selected document. The following settings can be configured from the sub menu on the details screen.

- Print This List

When you select the document on the document list screen, the following settings can be configured from the sub menu.

- Select All / Deselect all
- Change Setting

- Copy to Folder (p.143)



- Touch [Name] or [Doc.] to switch the sorting order between ascending and descending for display.
- When you select the PDF document on the document list screen, only [Print Setting] can be selected from the sub menu.

■ Copy to Folder

Documents saved on a USB flash drive can be copied to a folder on this machine.

1 Display the sub menu and touch [Copy to Folder].

2 Select the folder that you want to save the document to and touch [OK].



- You cannot copy documents from a folder on the USB flash drive to another folder on the USB flash drive.
- Only the folders accessible to the logged-in user are displayed on the [Copy to Folder] screen.
- Select a folder and touch [Open] to display a list of all documents in that folder.

RISO Console

The RISO Console is software that uses a Web browser to remotely control this machine. With a computer connected to the printer via a network, you can check the printer status, change the settings of a job, and perform other operations.

Overview of the RISO Console

p.146

Starting the RISO Console



Common Button Operations

[System Info] Menu

p.149

This section explains the functions available on the [Consumables], [Machine Info], [User Info], and [License Info] screens.

[Scan] Menu

p.152

This section explains the functions available on the [Scan] menu.

[Print] Menu

p.153

This section explains the functions available on the [Print] menu.

[Storage] Menu

p.154

This section explains the functions available on the [Storage] menu.

[Job Status] Menu

p.155

This section explains the functions available on the [Job Status] menu.

[Maintenance] Menu

p.156

This section explains the functions available on the [Maintenance] menu.



Overview of the RISO Console

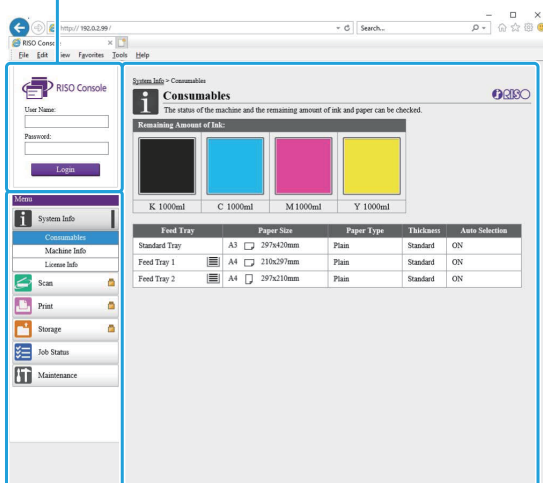
This section explains the functions of the RISO Console.

Top Screen



- Make sure the machine is connected to the network.




Status pane



Side menu

Content pane



- When an item on the side menu has the  icon, this indicates that you must log in before you can access that item. When an item is displayed with the  icon after logging in, the access to the mode is restricted.
- The  mark is displayed on the left side of the screen while information on the machine is being collected.
- The supported Web browsers are as follows.
 - Windows® Internet Explorer Ver11.0
 - Microsoft® Edge
 - Safari® (available for Mac OS)
- The RISO Console screen is not displayed when using certain power saving settings. Contact your administrator for details.

- The side menu that is displayed will differ depending on the settings configured by the administrator.

Side menu

The information and the functions that are available on the side menu of the RISO Console are as listed below.

System Info		
Consumables	View the status of the consumables, such as the remaining amount of ink or paper.	p.149
Machine Info	<ul style="list-style-type: none"> • View the status of the printer. • View the printer model, serial number, MAC address, and other system information. • View the detailed count and meter reading report. 	p.149
User Info	View information about the user currently logged in.	p.150
License Info	View the license information of the system used in this product.	p.151
Scan		
	Search, view, delete, or download scan jobs that are saved on the internal hard disk of this machine.	p.152
Print		
	View or delete jobs.	p.153
Storage		
Load	<ul style="list-style-type: none"> • Search documents in a folder. • Edit folders (add, change color, etc.) 	p.154

Form Data	Search, view, print, or delete jobs that are output via [Form] from the printer driver. (when the optional PostScript kit is installed)	p.207
Job Status		
Active / Idle	Search, view, or delete jobs that are being processed or waiting.	p.155
Finished	Search, view, delete, or re-print jobs that have finished.	p.155
Maintenance		
Head Cleaning	Execute head cleaning.	p.156

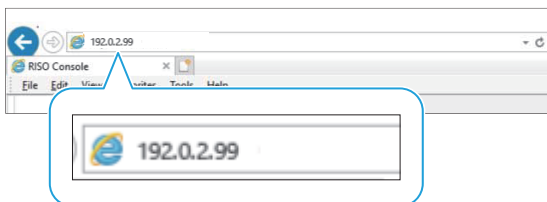
Starting the RISO Console

Connect the computer to the network before starting the RISO Console. Connection to the Internet is not required.

- 1 **Start your Web browser.**
- 2 **Enter the IP address of the printer in the address box of your Web browser.**

To view the IP Address of the printer, select [Machine Info] in [System Info] on the operation panel of this machine.

<Example of how to enter the IP address "192.0.2.99">




- 3 **Press the [Enter] key.**
The [System Info] screen of the RISO Console is displayed.

- You can create a shortcut on the desktop to quickly bring up the RISO Console.

- The RISO console is disconnected from the printer when being idle for 5 minutes or longer. Refresh your Web browser to reconnect to the printer.

Logging In

When an item on the side menu has the  icon, this indicates that you must log in before you can access that item.

- 1 **Enter your user name and password in the status pane.**

Your password should consist of 0 to 16 characters (numbers and/or lower case letters). The entered characters are displayed with asterisks (*).

- 2 **Click [Login].**

The [System Info] - [Consumables] screen is displayed.

■ Logging Out

Click [Logout] in the status pane.

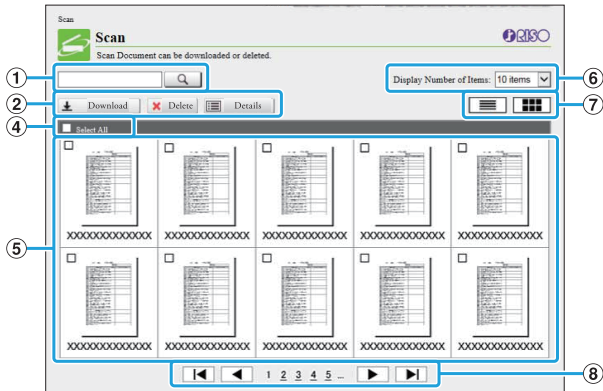


- If you forget your password, contact your administrator.
- You can change the user password on the [System Info] - [User Info] screen. (p.150 " [User Info] Screen")

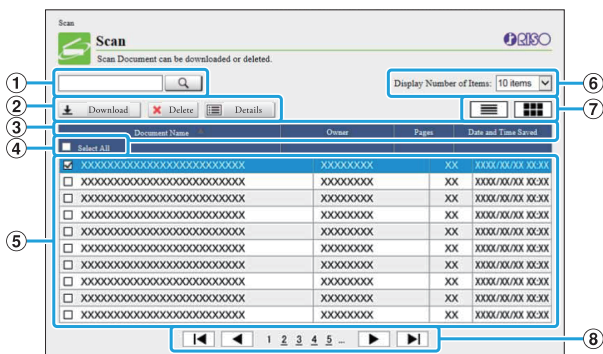
Common Button Operations

The [Scan] menu screen, [Print] menu screen, [Storage] menu screen, and [Job Status] screen have common buttons that serve the same purposes.

The [Scan] menu screen is used here as an example to explain the respective functions.







Thumbnail display



List display

- ① Search
Use this function to search jobs.
You can use up to 256 characters long.
- ② Menu
Select a job and click a menu option.
The menu options displayed depend on the screen.
- ③ Title bar (list display only)
You can sort jobs by clicking an item in the title bar ([Document Name], [Owner], [Pages], or [Date and Time Saved]).
- ④ Select All
Select this option if you want to select all jobs.
- ⑤ Jobs
To select a job, click the job name to add a check mark.

- ⑥ Number of jobs displayed on a page
Select the number of jobs to be displayed on a page.
- ⑦ Display switching ([Scan] screen and [Print] screen only)
Click  or  to switch between list and thumbnail display.
- ⑧ Page switching
 - : Moves to the first or last page.
 - : Moves to the previous or next page.
 - 1 2...: Moves to the specified page that you click.

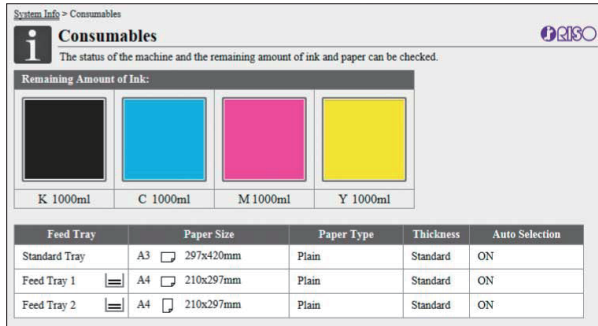


- When you select a job with a PIN code assigned, the PIN code input screen is displayed if clicking [Download], [Delete], or [Details]. Enter the PIN code and click [OK].
- You can select more than one job.
- If the job name, owner, or folder name exceeds the maximum displayable number of characters, they are displayed with the first part of the name omitted and replaced with "...".

[System Info] Menu

[Consumables] Screen

This screen displays information on the ink and paper.



Remaining Amount of Ink

The remaining amount of ink is displayed in 10 levels for each ink cartridge.

The indicator starts flashing when the time to replace an ink cartridge comes close. Prepare a new ink cartridge for the color that flashes.



- The remaining amount of ink is indicated based on the bottle capacity.
- If you are not using RISO ink, the remaining amount of ink is not displayed.

Paper Status

The estimated remaining amount of paper, paper size, paper type, thickness, and whether Auto Selection is ON are all displayed for each tray. The remaining amount of paper is displayed in 3 levels for Feed Trays 1 and 2 (51-100%, 1-50%, 0%). For the optional additional tray, it is displayed in 5 levels (51-100%, 31-50%, 10-30%, 1-9%, 0%).

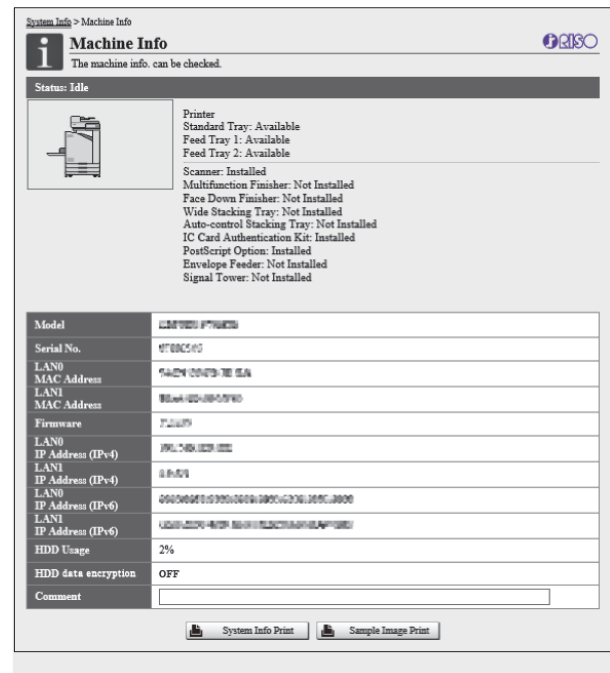
When is displayed, this indicates that there is no paper. Load paper.

There is no paper status indicator for the standard tray.

For the paper settings, see "Changing the Paper Tray Setting" (p.60) in "Copying".

[Machine Info] Screen

This screen displays the status of this machine, the connection status of optional equipment, serial number, used space on the internal hard disk and other system-related information.



Machine Status

The status of this machine, availability of trays, and connection status of optional equipment are all displayed.

If an error occurs, the error message is displayed.

Machine Info

Model: Machine model.

Serial No.: Machine serial number.

MAC address (LAN0/LAN1): Machine MAC address.

Firmware: Version of the firmware.

IP address (IPv4/IPv6) (LAN0/LAN1): Machine IP address.

HDD Usage: Ratio of used internal hard disk space.

HDD data encryption: Displays the status (ON or OFF) of the data encryption setting of the internal hard disk.

Comment: Comments entered by the administrator. Only a user with the administrator account can enter comments.



- The machine has two LAN ports including LAN0 and LAN1. Normally, use the LAN0 port. When connecting to the optional print controller, use the LAN1 port.

[System Info Print]

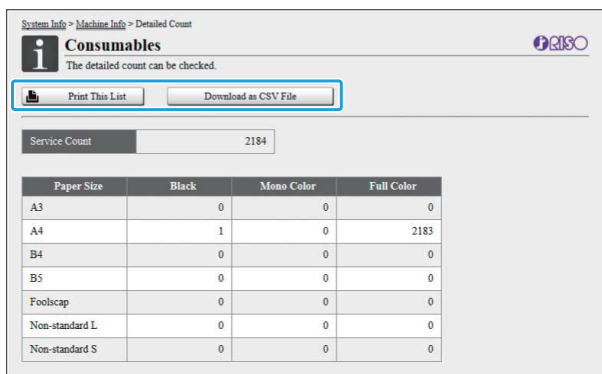
Click this to print the system information.

[Sample Image Print]

Click this to print a sample page so you can check the result of a printed image.

Checking the Detailed Count

The total count of prints and copies of this machine and the count for each paper size are displayed.



[Print This List]

Click this to print the latest information.

[Download as CSV File]

Click this to save the latest information to a computer as a CSV file.

Service Count

The total number of prints and copies made with this machine is displayed.

Detailed Count

The count for each paper size is displayed.



- When you click [Print This List] or [Download as CSV File], the latest information is obtained and may be different from the information displayed on the screen.

Checking the Charge Count

The charge count for each paper size division is displayed separately for monochrome and color.

[Print This List]

Click this to display the latest information.

[Download as CSV File]

Click this to save the latest information to a computer as a CSV file.

Meter Reading Report Setting

The charge type is displayed.

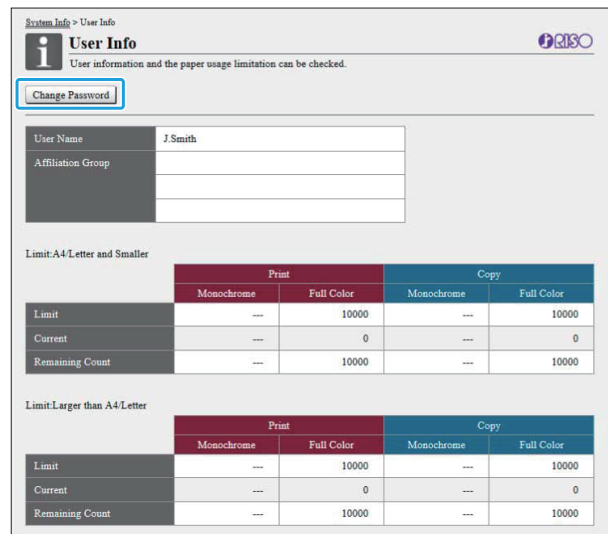


- The [Meter Reading Report] screen is only displayed when using ComColor FT5430R/5230R or ComColor black FT1430R.
- When you click [Print This List] or [Download as CSV File], the latest information is obtained and may be different from the information displayed on the screen.
- For more information on the charge counting, contact your dealer or authorized service representative.

[User Info] Screen

The information about the users currently logged in is displayed.

- If login is unnecessary, the [User Info] screen is not displayed.



[Change Password]

You can change the password.

User Info

This screen displays the user names and groups of the users logged in.

Limits

The printable and copiable limits established by the administrator and the current number of printouts and copies made by the user logged in are displayed.



- The information displayed is registered by the administrator. If the facts are different from the information displayed, contact your administrator.

Changing the Login Password

Users can change their own login passwords.

- 1 Click **[Change Password]**.
- 2 Enter the new password in **[New Password]**.
Your password should consist of 0 to 16 characters (numbers and/or lower case letters). The entered characters are displayed with asterisks (*).
- 3 Enter the new password again for confirmation.
- 4 Click **[OK]**.
The screen is displayed to indicate that the settings are sent.
- 5 Click **[OK]**.

[License Info] Screen

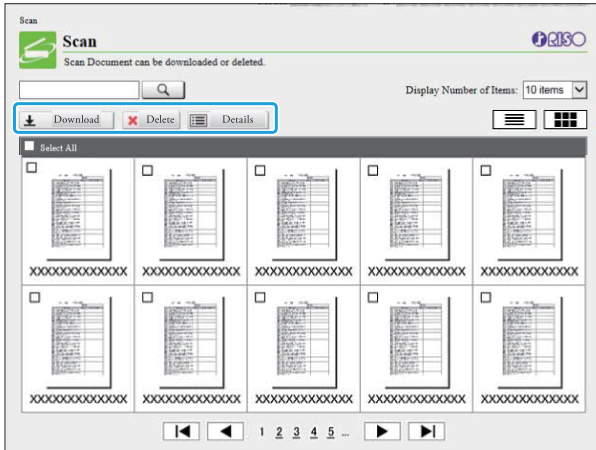
The [License Info] screen displays information about the license of the system used in the machine.



[Scan] Menu

[Scan] Menu Screen

You can download the scanned data saved on the internal hard disk of this machine to a computer.



[Download]

Download the selected job.

[Delete]

Delete the selected job.

[Details]

You can view the settings, file capacity, and other information on the selected job.



- The storage period for scanned jobs is configured by the administrator with [Scan Document Save Setting]. When that period is reached, the job is deleted automatically.

Downloading Scanned Jobs to a Computer

1 Select the check box of the scanned job to download.

You can select more than one job.

2 Click [Download].

The screen indicating that a zip file is being created is displayed.

- For jobs with a PIN code, the PIN code input screen is displayed. Enter the PIN code and click [OK].

3 Click the link to the zip file.

The [Save As] dialog box is displayed.

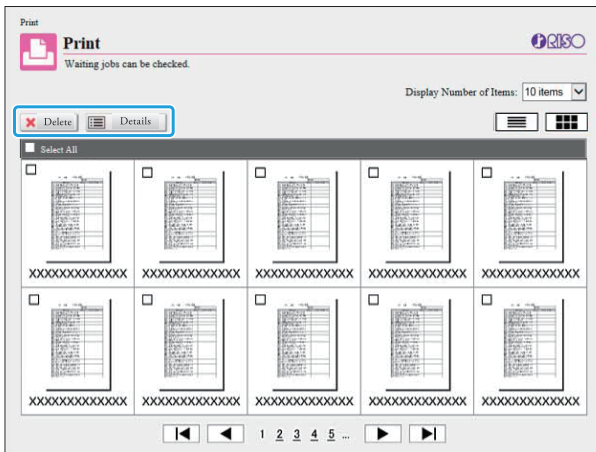
4 Specify the destination folder and file name, and then click [Save].

The scanned data is saved to the computer.

[Print] Menu

[Print] Menu Screen

You can check the status of jobs that are sent from the printer driver and saved on the internal hard disk of this machine.



[Delete]

Delete the selected job.

[Details]

You can view the settings, file capacity, and other information on the selected job.

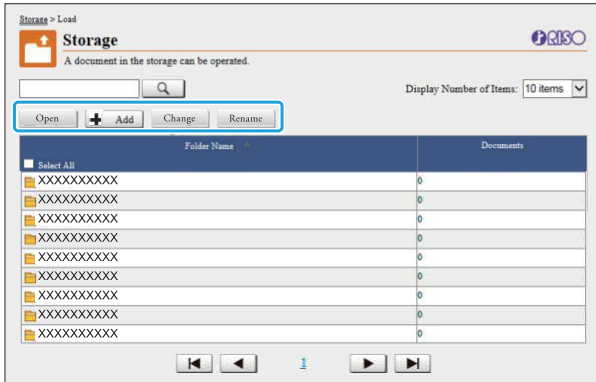


- In the following cases, all job names are displayed in the list.
 - When user login is not required
- In the following cases, the job name is displayed as "*****".
 - Jobs with the [Hide Job Name] check box selected on the printer driver (p.119 "PIN Code")

[Storage] Menu

[Load] Screen

The shared folders and personal folders are displayed.



[Open]

Click this button to display a list of documents in the folder.

[Add]

Click this button to add a folder.

A folder name can be entered using up to 128 characters long.

[Change Color]

Click this button to change the color of the selected folder.

[Rename]

Click this button to change the name of a folder.

A folder name can be entered using up to 128 characters long.



- The functions may not be available, depending on how the administrator has configured the settings.

Managing Documents in a Folder

[Close]

Close the document list screen and display the [Load] screen.

[Print]

Print the selected documents.

[Delete]

Delete the selected documents.

[Copy to Folder]

Select the folder that you want to copy to, and click this button to copy the documents.

[Details]

Click this button to view the settings for the selected document. You can also change the settings.

[Download]

If the optional PostScript kit is installed, you can save the selected PostScript jobs to a computer.

1 Select a folder and click [Open].

The screen displays a list of documents in that folder.

2 Operate documents.

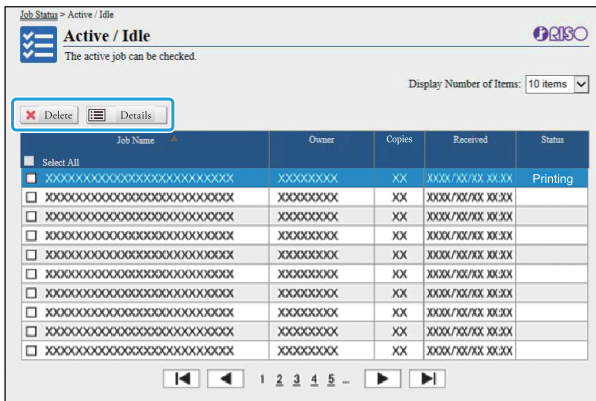
The following functions are available for selected documents.

- Print
- Delete
- Copy to Folder
- Details
- Download

[Job Status] Menu

[Active / Idle] Screen

The jobs that are being printed and the jobs that are waiting to be printed are displayed.



The [Status] item in the title bar of the list shows the status of each job ("Printing", "Suspended", etc.).

[Delete]

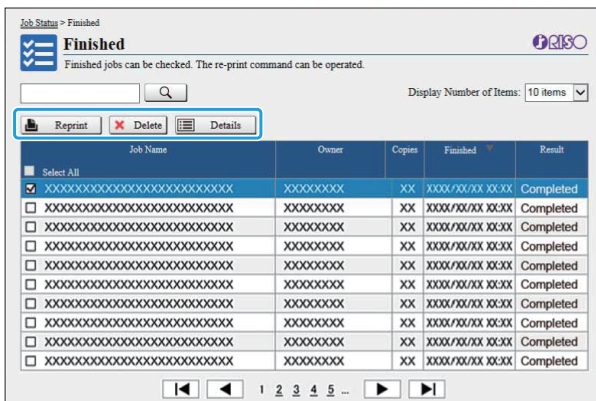
Delete the selected job.

[Details]

Click this button to view the settings for the selected job. The displayed contents differ depending on the job type.

[Finished] Screen

The [Finished] screen displays finished print jobs, suspended print jobs, and print jobs with errors.



The [Status] item in the title bar of the list shows the result of each job ("Completed", "Error", etc.).

[Reprint]

Click this button to print the selected job again.

[Delete]

Delete the selected job.

[Details]

Click this button to view the settings for the selected job. The displayed contents differ depending on the job type.

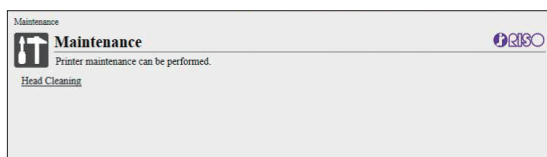


- The finished jobs are only displayed when the [Finished Job Setting] on the administrator menu is set to [Save].
- The print function is not available in the following cases.
 - When a job that did not finish properly is selected
 - When a non-print job is selected
 - When printing of a finished job is not permitted
 - When a color job is selected although color printing is not permitted
- The storage period for jobs is configured by the administrator.

[Maintenance] Menu

[Maintenance] Menu Screen

On this screen, you can configure the user-configurable functions of the printer main unit (system).



[Head Cleaning]

Clean the print head to prevent clogging. Clean the print head when you notice a change in image quality, such as blurring in part of a printout, white streaking, or faded colors.

When the printer is being used, cleaning of the print head is performed after the printer has finished printing or copying.

- 1 Press [Head Cleaning].**
- 2 Click [OK].**
The screen is displayed to indicate that the settings are sent.
- 3 Click [OK].**

Using the Barcode Area Definition Software

The Barcode Area Definition Software is designed exclusively for use with ComColor FT series products.

The software is used to specify information about the barcode print position, so that highly readable barcodes can be created in documents.

This chapter describes how to install and operate the Barcode Area Definition Software, and how to register a file that defines the barcode position to the printer.

Overview of the Barcode Area Definition Software

p.158

installing the Barcode Area Definition Software

Creating and Registering a Barcode Area Definition

File

p.161

1. Create a PRN file.



2. Read the PRN file.



3. Specify the barcode area.



4. Save the barcode area definition file.



5. Register the barcode area definition file.



Overview of the Barcode Area Definition Software

Installing the Barcode Area Definition Software

You need to install the Barcode Area Definition Software before using it for the first time.

Operating Environment

The system requirements for activating the Barcode Area Definition Software are described in the table below.

Memory	1 GB or more
CPU	Intel or fully compatible CPU
Hard disk	2 GB or more free space (Space enough to operate the OS)
Display	1024 × 768 or greater resolution

Installing



- Log in as a user with administrator privilege.
- Close all active applications.

- 1 Load the included DVD-ROM in the computer's DVD-ROM drive.
- 2 Open the [Utility] - [BarcodeAreaDefinitionSoftware] folder on the DVD-ROM, and double-click the "setup.exe" file.
- 3 Select the desired language in the pull-down menu and click [OK].

- 4 Click [Next].
- 5 Select [I accept the terms in the license agreement] and click [Next].
- 6 Follow the on-screen instructions to configure the settings.



- When installation is complete, a "Readme" screen is displayed. The "Readme" screen includes precautions for using the machine. Be sure to read this information.

- 7 Remove the DVD-ROM from the computer.



- Keep the DVD-ROM in a safe place for future reference.

■ Uninstalling

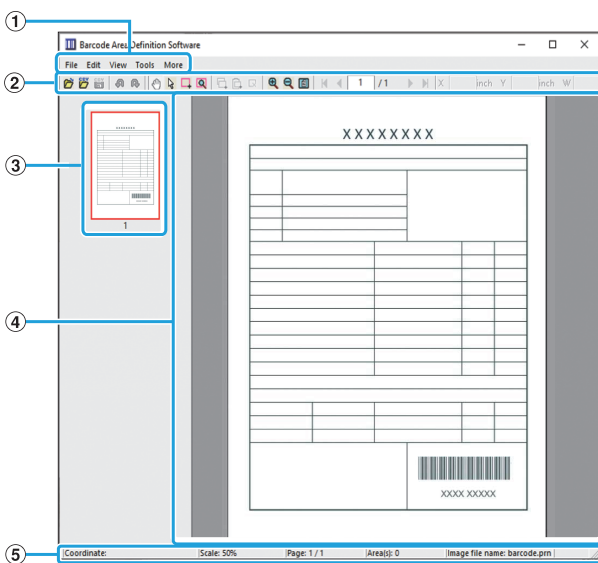
- 1 Click [Start] - [Settings] - [Apps] - [Barcode Area Definition Software] - [Uninstall].
- 2 Follow the on-screen instructions to uninstall the Barcode Area Definition Software.
- 3 After the Barcode Area Definition Software has been uninstalled, restart the computer.

Starting the Barcode Area Definition Software

1 Click [Start] - [All Apps] - [RISO] - [Barcode Area Definition Software].

For Windows 8.1, open the "Apps" screen and select [RISO] - [Barcode Area Definition Software].

Main Screen










- ① **Menu bar**
The menu bar consists of the [File], [Edit], [View], [Tools] and [More] menus. Each menu includes an edit function and setting items.
- ② **Tool Bar**
Various tools are displayed.
- ③ **Thumbnail**
A thumbnail of the print image is displayed.
- ④ **Image/barcode area display**
The print image is displayed.
- ⑤ **Status Bar**
The position (coordinates), magnification, page number and other details are displayed.

Operations

To edit the barcode area, select the print image area and use the functions in the tool bar or menu bar. When the same icon appears in both the tool bar and the menu bar, you can click either one to perform the same operation.

Menu bar	Function
File	
Open Image File	Opens a selected print file, and display its image.
Open CSV File	Opens a selected CSV file.
Recreate CSV File	Deletes the barcode area that is displayed.
Save	Saves the CSV file that you are currently using.
Save As	Saves the currently open file under a new file name.
Page Settings	You can specify the page size of a barcode creation area.
Edit	
Undo	Cancels the edit and returns the setting to its original state.
Redo	Reapplies the previously canceled edit. The 10 most recent edits can be redone.
Copy	Copies the selected barcode area.
Paste	Pastes the copied barcode area to another area.
Delete	Deletes the selected barcode area.
Repetition	You can specify the same barcode area repeatedly. You can specify a cycle of 1 to 999 pages.
View	
Move	Moves to the first, previous, next, or last page.
Go to	Moves to the specified page. Input the desired page number in the text box, and press the [Enter] key. (This is only displayed in the tool bar.)

Menu bar	Function
Area minor adjustment tool (X/Y/W/H)	Displays the coordinates (X/Y), width (W), and height (H) of the barcode area in the display unit format (mm/inch). Enter a value in the box to change the barcode area to a specified position or size. (This is only displayed in the tool bar.)
Rotate	Rotates the on-screen print image 90 degrees to the left or right.
Display Units	You can specify mm or inch as the unit to use on the barcode area definition page.
Zoom 	You can specify the magnification ratio for the print image, fit the full image on the page, fit the image to the width of the page, enlarge it, or reduce it.
Thumbnail	Displays or hides the thumbnail.
Status Bar	Displays or hides the status bar.
Tool Bar	Displays or hides the tool bar.
Tools	
 Hand Tool	You can drag a print image to change its display position.
 Selection Tool	You can select a barcode area. Press and hold the Ctrl key to select multiple barcode areas. The selected area is indicated by  .
 Creation Tool	You can specify the barcode area, where the print density is adjusted to make the area suitable for reading. The enclosed area is indicated by  .
 Auto Area Detection	Automatically detects the barcode area on all pages or specified pages.
More	
Version	Displays the version information.



Creating and Registering a Barcode Area Definition File

Output the original data from the printer driver in PRN file format. Open the PRN file using the Barcode Area Definition Software, specify the barcode area, and create a CSV file. The administrator uses the RISO Console to register the barcode area definition file to the printer.

Procedure

1 Creating a PRN File

Output the original with printed barcode in PRN file format.

1) Click **[Properties]** (or **[Preferences]**) in the printing dialog box of the application on the computer.

2) Click the **[Basic]** tab.

3) Select **[Save as a File]** in the **[Output]** pull-down menu.



- If the optional PostScript kit is installed, select **[Storage]**.
- PRN files are output by the printer driver in a format that was developed exclusively for RISO KAGAKU CORPORATION. PRN files cannot be opened using printers or applications by other manufacturers.

4) Click **[Details]**, and specify a destination.

5) Click **[OK]**.

6) Click **[Print]**.

A PRN file is created in the specified destination.

7) **If the optional PostScript kit is installed, use the RISO Console to download documents saved in the folder.**

Start the RISO Console, select the saved documents on the **[Load]** screen in the **[Storage]** menu, and then click **[Download]**.



- Configure the same settings for the printer driver as when you actually print, except for the **[Output]** setting. If the PRN file format and the actual print setting (original size, print direction, paper size, imposition, etc.) are different, the barcode area definition may not be correctly applied. If you change any settings related to the layout, the coordinates of the area also change.

2 Reading the PRN File

Open the PRN file (print image) using the Barcode Area Definition Software.

1) Click **[Start]** - **[All Apps]** - **[RISO]** - **[Barcode Area Definition Software]**.

For Windows 8.1, open the "Apps" screen and select **[RISO]** - **[Barcode Area Definition Software]**.

2) Click **[File]** - **[Open Image File]**, and select the PRN file.

3) Specify the number of pages to read.

Select the **[Detect Barcode Areas Automatically.]** check box to automatically detect the barcode area on all pages.

4) Click **[OK]**.

The print image of the original appears in the image/barcode area.




- If you use mixed-size data, the original data may be oriented differently from the print image. Select **[View]** in the menu bar, rotate the print image in the same direction as the original data, and specify the barcode area.

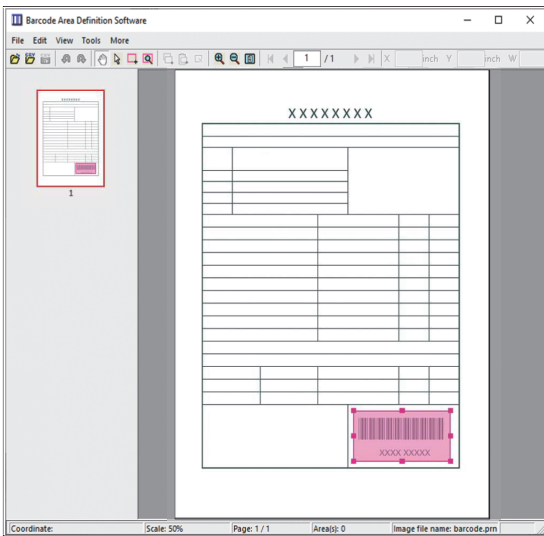
- The maximum barcode size that can be read by [Detect Barcode Areas Automatically.] is 100 mm (W) × 30 mm (H) (3 15/16" × 1 3/16"), and the minimum size is 20 mm (W) × 5 mm (H) (13/16" × 7/32").


! The barcode area may not be detected automatically in the following cases:

- When the space between barcodes is 5 mm (7/32") or less
- When the barcode image is not clear
- When the barcode is placed at an angle, or when the black bars are not straight
- When the bars are not true black (RGB 0.0.0)
- When the space between the bars is not true white (RGB 255.255.255)

3 Specifying the Barcode Area

 Use to surround the barcode on the screen.



The enclosed area is colored and specified as the barcode area.
 To edit the barcode area, use the edit tool and menu bar. (p.159 "Operations")
 If automatic barcode area detection was used, make sure that the barcode was detected properly. If the detected area is not aligned with the barcode, use  (selection tool) to adjust the position.


Thumbnail Display

The top left corner of a thumbnail image is the base point, and the original image and barcode area definition image are displayed overlapping each other. If the original image and barcode area definition image are not the same size, a thumbnail like the one shown below is displayed. To specify a barcode area in the portion that is grayed out, align the original image and barcode area definition image in the same direction.



In this example, the original image (solid line) is smaller than the barcode area definition image (dotted line). The portion outside the barcode area definition image is grayed out.

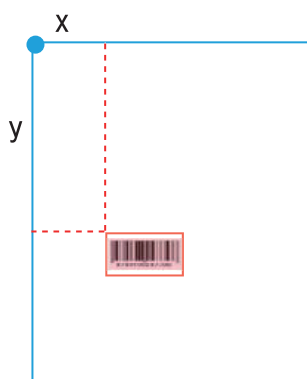


- You can specify up to 50 barcodes per page on as many as 30 pages. If you specify [Repetition], you can apply areas repeatedly.
- Barcode areas can be moved on the same page using  (selection tool). To move barcode areas to a different page, copy and paste them to the desired page. You cannot paste the copied barcode area if it is larger than the original.

■ Precautions Regarding Barcode Area Definition

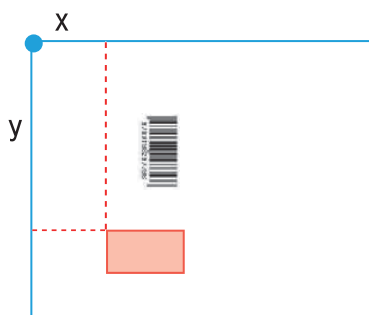
If the position information of the specified barcode area changes, such as when an image is rotated, the barcode area is not processed properly. If the image is rotated or the print direction is changed, use the creation tool to specify the barcode area again. (Correct the barcode area starting from the base point.)

Base point




Example of when barcode processing is performed correctly

Base point



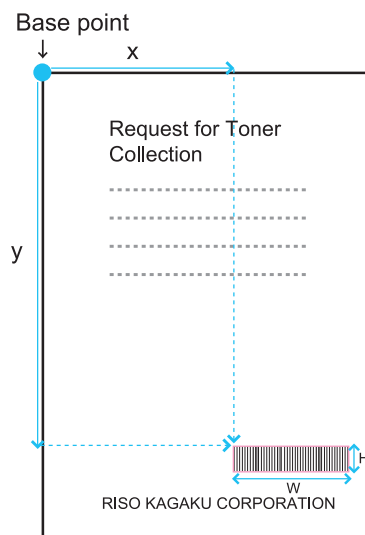
Example of when barcode processing is not performed correctly, because the original is rotated and the position of the barcode relative to the base point is changed

4 Saving the Barcode Area Definition File

Click  in the menu bar. The barcode area definition file is output (saved) in CSV format. To change the file name when saving, select [Save As] in the [File] menu.



- The CSV file specifies the size (W, H) and position coordinates (X, Y) of the barcode on a printout (in 0.1 mm (0.004") units) relative to the base point, which is the top left corner of the original data created on a computer.



5 Registering the Barcode Area Definition File

Register the barcode area definition file to the printer in the administrator menu on the RISO Console. For more information, see the separately provided "Administrator's Guide".

Repetition Function

If you use the [Repetition] function when specifying the barcode areas, the areas are specified repeatedly for subsequent pages based on the value specified for [Cycle] in the [Repetition] dialog box. This eliminates the need to define the area on each and every page.

- When cycle is 0: The barcode areas are applied only on the pages that are configured in the barcode area definition file.
- When cycle is 1: The barcode areas configured for the first page in the barcode area definition file are repeated on each page until the last one.
- When cycle is 2: The barcode areas configured for the first 2 pages in the barcode area definition file are repeated on every 2 pages until the last one.
- When cycle is 3: The barcode areas configured for the first 3 pages in the barcode area definition file are repeated on every 3 pages until the last one.

The example below shows when barcode areas are defined for 3 pages.

Original data	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.1</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.2</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.3</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.4</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.5</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.6</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.7</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.8</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.9</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.10</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.11</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.12</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.13</div> </div>
Barcode area definition	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.1</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.2</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.3</div> </div>
Cycle: 0	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.1</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.2</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.3</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.4</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.5</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.6</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.7</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.8</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.9</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.10</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.11</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.12</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.13</div> </div> <p style="font-size: small; margin-top: 5px;">The pages that you configure in a barcode area definition file Barcode processing is not configured for pages 4 to 13.</p>
Cycle: 3	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.1</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.2</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.3</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.4</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.5</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.6</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.7</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.8</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.9</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.10</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.11</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.12</div> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">p.13</div> </div> <p style="font-size: small; margin-top: 5px;">The pages that you configure in a barcode area definition file Repeated pages Repeated pages Repeated pages</p>



- You can specify from 1 to 999 pages for [Cycle].
- The pages after the ones set in the repetition process do not appear in the thumbnails.

Printing Barcode Originals

You can select a registered barcode area definition file from the [Barcode Area Definition] pull-down menu in the [Image] tab on the printer driver screen.

Select a suitable barcode area definition file when printing a barcode original. (p.118 "Printing Barcode Originals")

Optional Equipment

This chapter describes the optional equipment that can be used with this machine.

Face Down Finisher

p.166

This section describes the settings and functions that are available when the face down finisher is connected.

Additional Tray

p.173

This section describes the settings and functions that are available when the additional tray is connected.

Multifunction Finisher

p.175

This section describes the settings and functions that are available when the multifunction finisher is connected.

Stacking Tray (Auto-control Stacking Tray / Wide Stacking Tray)

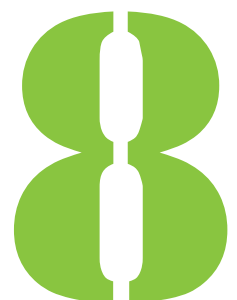
p.191

This section describes the settings and functions that are available when the auto-control stacking tray/wide stacking tray is connected.

PostScript kit

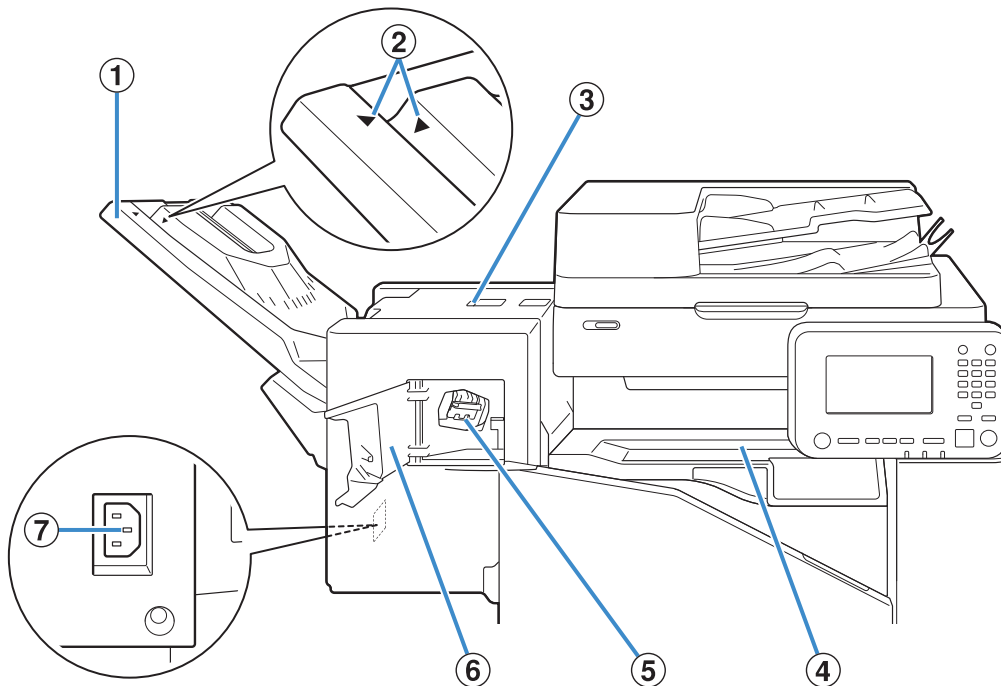
p.195

This section describes the settings and functions that are available when the PostScript kit is installed.



Face Down Finisher

If the optional face down finisher is connected, you can staple printed sheets, or perform offset output for each set of printed documents.



① Stacking Tray

Printouts are output face down.

② Stacking Tray Setting Position

Slide into position depending on the paper type or output condition.

③ Jam Release Cover

④ Top Cover

If a paper jam occurs during paper transfer from the printer to the face down finisher, open this cover and remove the jammed sheet.

⑤ Staple Cartridge

Pull out the staple cartridge to replace staples, or if a staple is jammed.

⑥ Staple Cover

Open this cover if a staple is jammed, or to replace the staple cartridge.

⑦ Face Down Finisher Socket

Connect the face down finisher power cord.



• The stacking tray slides. For normal output, align the [▶] and [◀] shown in ②.

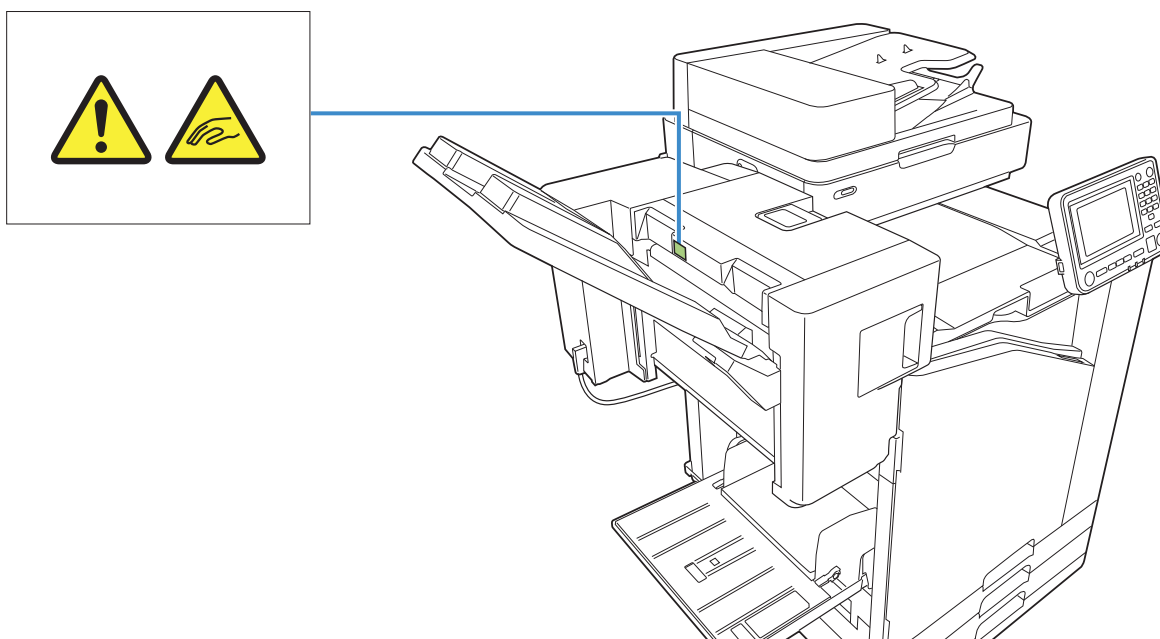
Normal (except for the case shown on the right)	When using B5 or smaller paper without staples
<p>Align [▶] and [◀].</p>	<p>Position [▶] and [◀] apart from each other.</p>

Caution Label

For safety use, the caution label below is adhered to the face down finisher. When operating or maintaining the face down finisher, obey the instructions on the caution label for safe use. Do not remove or dirty the label. If the label is not stuck on the face down finisher, is peeling off, or is unreadable, contact your dealer or authorized service representative.

■ Location of the Caution Label

The location of the caution label (warning) is shown below.



■ Label Details

Your fingers may become caught while the face down finisher moves or when you remove printouts from the stacking tray.

List of Settings

The items described below can be set when the face down finisher is connected.

Printer Driver

Setting item	Description	See
[Finishing] Tab		
Offset Output	You can stack each set of printed documents slightly apart from one another when printing multiple copies.	p.168
Staple	Select the stapling position.	p.168
[Advanced] Tab		
Program	Specify this when the number of required copies varies by group (such as corporate division or classes).	p.119
Offset Output ([Program])	You can stack each set of printed documents slightly apart from one another to create separation.	p.172

- When [Staple] is grayed out in the [Finishing] tab, make sure that [Printer Configuration] in the [Environment] tab on the properties screen has been configured correctly. (p.121 "Printer Configuration")

Copy Mode

Setting item	Description	See
Program	Specify this when the number of required copies varies by group (such as corporate division or classes).	p.72
Offset Output (Program)	You can stack each set of printed documents slightly apart from one another to create separation.	p.171

Setting item	Description	See
Separation	Specify where to insert slip sheets between printouts.	p.74
Offset Output ([Separation])	You can stack each set of printed documents slightly apart from one another to create separation.	p.171
Staple	Configure the staple settings.	p.171

Printer Driver Settings

Offset Output

Stack each set of printed documents slightly apart from one another when printing multiple copies.

- When [Program] is configured, [Offset Output] is [OFF]. (p.119 "Program")
- This setting is not available for paper sizes that cannot be output to the face down finisher.
- When using the face down finisher, you cannot use this setting with stapling.

[OFF]
Offset output is not performed.

[Between Sorts]
Each set of printed documents specified in [Sort] is stacked slightly apart from one another.

[Between Jobs]
Each finished print job is stacked slightly apart from one another.

Staple

Select the stapling position.

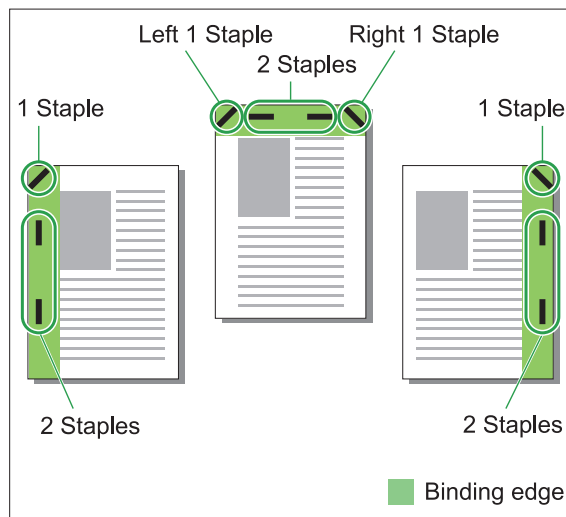
- When [Staple] is configured, make sure to configure [Binding Edge].
- When [Staple] is configured, [Sort] is set to [Collated]. (p.105 "Sort")
- When [Booklet] is configured, [Staple] is [OFF] (p.109 "Booklet").
- The orientation of the paper varies depending on the binding edge. See "Staple Function and Loading Orientation of the Paper" (p.170)

If you select [Left] or [Right] for [Binding Edge], select from the following options.

[OFF], [1 Staple], [2 Staples]

If you select [Top] for [Binding Edge], select from the following options.

[OFF], [Left 1 Staple], [Right 1 Staple], [2 Staples]



<Types of paper that can be stapled>

- Paper size: A3/B4/A4/A4-LEF/B5/B5-LEF/Ledger/Legal/Letter/Letter-LEF/Foolscap/8K/16K/16K-LEF
- Paper weight: 52 g/m² to 210 g/m² (14-lb bond - 56-lb bond)

<Number of sheets that can be stapled>

- Standard size paper A4, A4-LEF, JIS-B5, JIS-B5-LEF, Letter, Letter-LEF, 16K, 16K-LEF: 2 to 50 sheets*
 - Sizes other than the above (A3, B4, Ledger, Legal, Foolscap, 8K): 2 to 25 sheets*
- * When using plain paper and recycled paper (85 g/m² (23-lb bond))



- Stapling cannot be performed when using irregular-sized paper.
- When the printing job exceeds the maximum number of sheets that can be stapled, a confirmation screen is displayed so that you can select whether to stop printing or continue printing without stapling.

Features of the Face Down Finisher

The size of the paper that can be stapled varies depending on the model.

	ComColor FT 5000/5000R	ComColor FT 5430/5430R/ 5230/5230R/ 5231/5231R/2430 ComColor black FT 1430/1430R
A4 B5	✓	✓
A4 B5	✓	✓
A4-LEF B5-LEF	N/A	✓
A4-LEF B5-LEF	N/A	✓
A3 B4	N/A	✓
A3 B4	N/A	✓
A4 B5	✓	✓
A4-LEF B5-LEF	N/A	✓
A3 B4	N/A	✓



- Paper sizes in inches are as follows: A3 (Ledger) A4 (Letter) B4 (Legal)

Staple Function and Loading Orientation of the Paper

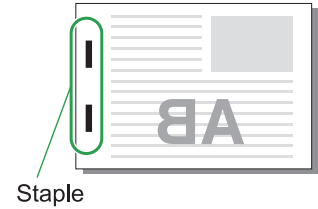
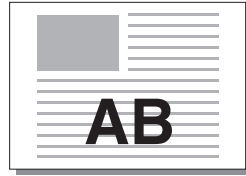
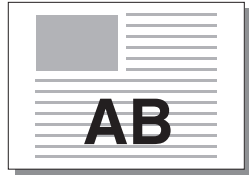
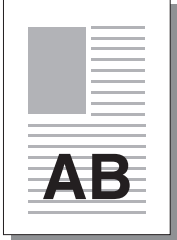
The orientation of the paper in the paper tray and the staple binding edge are shown below.

Orientation: Portrait

Orientation: Landscape

Face Up/Down: Face up

Face Up/Down: Face down



Binding Edge	Staple position					
	1 Staple		2 Staples			
Left						
Right						
Top	Left 1 Staple		Right 1 Staple		2 Staples	
Paper transfer			 Paper feed and output direction			



- When the corresponding size of paper is not loaded in the paper tray, a message is displayed. Follow the on-screen instructions to load the paper.
- For [1 Staple] binding, the staple angle may differ from the images above and the print images on the printer driver screen, depending on the paper size or orientation.
- When multiple different original sizes are used in the original, the machine automatically rotates the image to suit the [Binding Edge] setting.

Offset Output (Program)

When [Program] is used, each set of printed documents is stacked slightly apart from one another to create separation.

For more information on configuring [Program], see "Program" (p.119) in "Printing".

[OFF]

Offset output is not performed.

[Between Sets]

Each set of printed documents is stacked slightly apart from one another.

[Between Groups]

Each group of printed documents is stacked slightly apart from one another.

Copy Mode Settings

Offset Output ([Separation])

When [Separation] is used, each set of printed documents is stacked slightly apart from one another to create separation.

[OFF]

Offset output is not performed.

[Between Sorts]

Each sorted set is stacked slightly apart from one another.

[After a Job]

Each print job is stacked slightly apart from one another.

<Paper that can be offset>

- When using the face down finisher:
131 mm × 148 mm - 305 mm × 550 mm (5 3/16" × 5 27/32" - 12" × 21 5/8")

- 1 Touch [Separation].
- 2 Select the offset output setting.
- 3 Touch [OK].

Staple

Staple at the specified position.

<Types of paper that can be stapled>

- Paper size: A3, B4, A4, A4-LEF, B5, B5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K, 16K-LEF
- Paper weight: 52 g/m² to 210 g/m² (14-lb bond - 56-lb bond)

<Number of sheets that can be stapled>

- Standard size paper
A4, A4-LEF, JIS-B5, JIS-B5-LEF, Letter, Letter-LEF, 16K, 16K-LEF:
2 to 50 sheets^{*}
Sizes other than the above (A3, B4, Ledger, Legal, Foolscap, 8K):
2 to 25 sheets^{*}

^{*} When using plain paper and recycled paper (85 g/m² (23-lb bond))



- Stapling cannot be performed when using irregular-sized paper.
- When the printing job exceeds the maximum number of sheets that can be stapled, a confirmation screen is displayed so that you can select whether to stop printing or continue printing without stapling.

■ Original Orientation

[Top Side Up]

Select this option when loading originals in an orientation from which they can be read normally.

[Top Side Left]

Select this option when loading originals so that the top of the original is aligned with the left edge.

■ Binding Edge

Select the binding edge of the paper.

Left, Right, Top

■ Staple

Select the stapling position.

If you select the left or the right for [Binding Edge], select from the following options.

[OFF], 1 staple, 2 staples

If you select the top for [Binding Edge], select from the following options.

[OFF], left 1 staple, right 1 staple, 2 staples



- The left 1 staple and the right 1 staple are displayed only when the top is selected for [Binding Edge].

- 1 Touch [Staple].
- 2 Select the original orientation.
- 3 Configure [Binding Edge].
- 4 Configure [Staple].
- 5 Touch [OK].

■ Binding Margin

You can specify the binding margin so that staples are not in the printing area.

- 1 Touch [Binding Margin] on the [Staple] screen.

The [Binding Margin] screen is displayed.

- 2 Specify the binding margin.

- Select [Binding Edge].
- Use [↓], [↑], or the numeric keys to enter the width.
- If part of the printing area is missing due to the binding margin setting, set [Auto Reduction] to [ON].

- 3 Touch [OK].

Offset Output ([Program])

When [Program] is used, each set of printed documents is stacked slightly apart from one another to create separation.

For more information on the program, see "Program" (p.72) in "Copying".

[OFF]

Offset output is not performed.

[Between Sets]

Each set of printed documents is stacked slightly apart from one another.

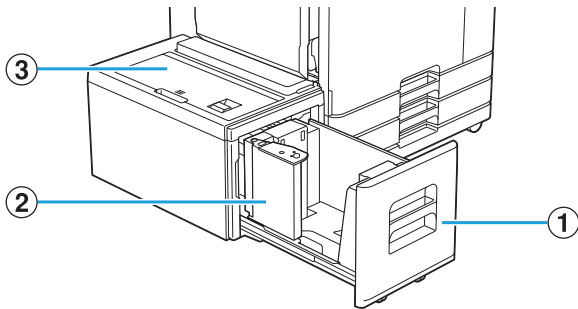
[Between Groups]

Each group of printed documents is stacked slightly apart from one another.

Additional Tray

When the optional additional tray is attached, you can load approx. 2,000 sheets of printing paper*.

* When using plain paper and recycled paper (85 g/m² (23-lb bond)).



① Feed Tray

Load the paper to be used for printing here.



• Use the standard tray for thick paper and other special paper types.

② Paper guide

Paper guide prevents paper in the additional tray from becoming misaligned.

③ Top Cover

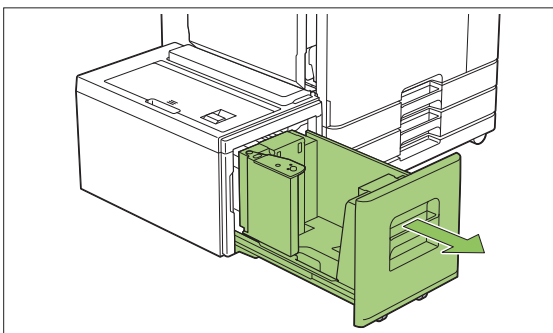
If a paper jam occurs, open this cover to remove the jammed sheet.

Loading the paper



• When changing the paper size (paper guide position), contact your dealer or authorized service representative.

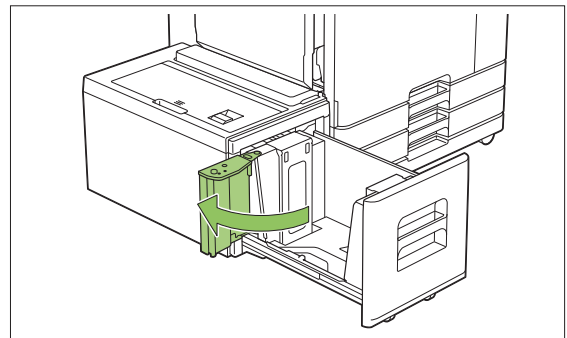
1 Pull a tray out toward the front.



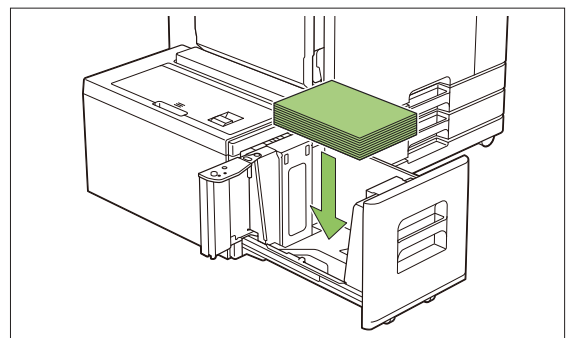
• To prevent a paper jam, check the following before pulling a tray out.

- There is no paper in the tray. For more information on the remaining amount of paper, see "Consumables Screen" (p.40).
- There is no job using the additional tray to feed paper. For the job being printed, see "[Paper info] Screen" (p.51).

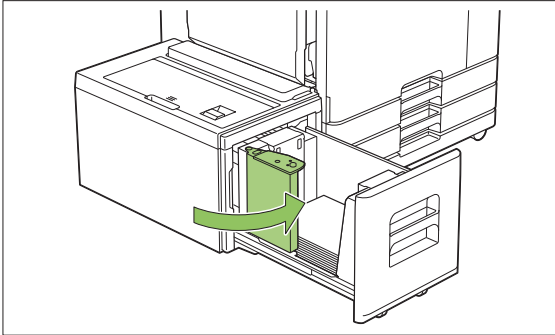
2 Open the paper guide.



3 Load the paper.



- 4 Push the paper guide back until it is aligned against the outside edge of paper.**



- 5 Push the tray back into the machine.**

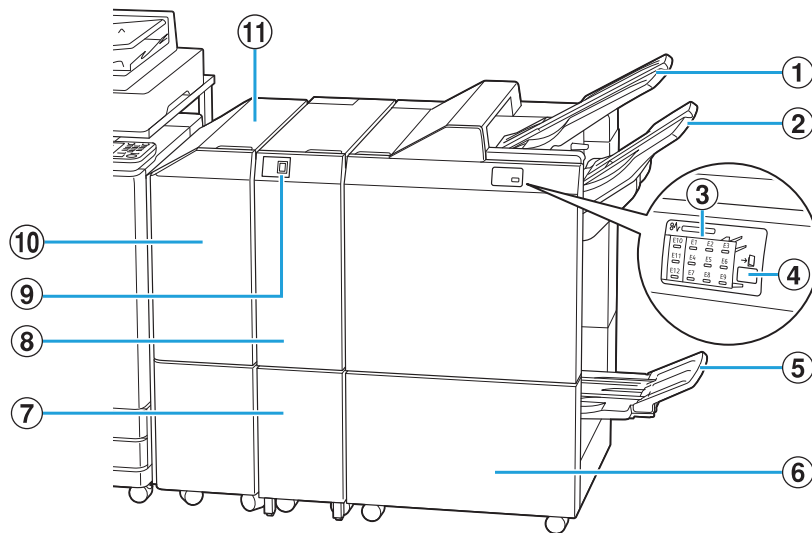
Multifunction Finisher

If you connect the optional multifunction finisher, you can use the following functions.

Functions available for Multifunction Finisher	Functions available when adding optional equipment		
	With Folder Unit	With Punch Unit (2/3H)	With Punch Unit (2/4H)
Staple Bi-fold Booklet Binding	Inner Tri-fold Outer Tri-fold Z-fold	2- or 3-hole punch	2- or 4-hole punch

This section is explained using a multifunction finisher with a folder unit and a punch unit (2/4H) as an example.

- As seen from the front



① Top Tray

The printouts are output here when punching is performed.

② Stacking Tray

The printouts are output here when the staple or offset output function is used.

③ Paper Jam Indication LED

The location of the paper jam lights up.

④ Eject Button *

Press the eject button to move the printouts in the booklet tray to the position where you can easily retrieve them.

⑤ Booklet Tray *

Booklets and 2-fold printouts are output here.

⑥ Right Cover

Open to replace the staple cartridge or if paper is jammed.

⑦ Tri-fold Output Tray Capacity *

Tri-fold printouts are output here.

⑧ Folder Unit *

Outer tri-fold, inner tri-fold and Z-fold functions are available.

⑨ Tri-fold Output Tray Button *

Push this button to eject tri-fold printouts. Tri-fold tray opens toward you.

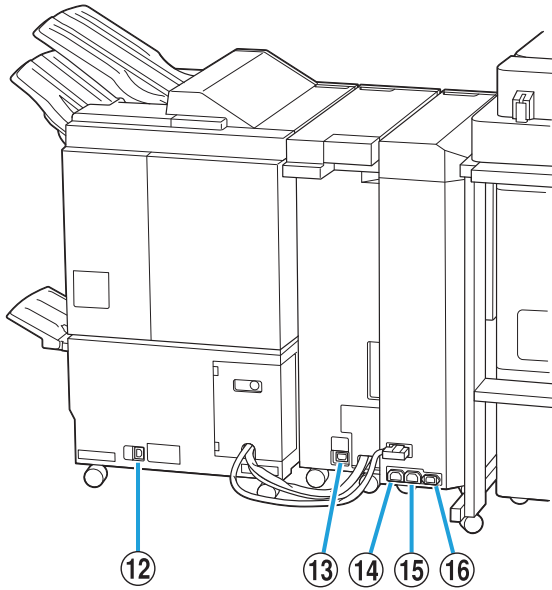
⑩ Transfer Cover

If a paper jam occurs, open this cover to remove the jammed sheet.

⑪ Transfer Unit

Transfer paper from the printer to the multifunction finisher.

- As seen from the back



- ⑫ Multifunction Finisher Socket
Use to connect the multifunction finisher power cord.
- ⑬ Folder Unit Socket*
Use to connect the folder unit power cord.
- ⑭ Multifunction Finisher Power Distribution Socket
Use to connect the multifunction finisher power cord.
- ⑮ Folder Unit Power Distribution Socket
Use to connect the folder unit power cord.
- ⑯ Transfer Unit Socket
Use to connect the transfer unit power cord.

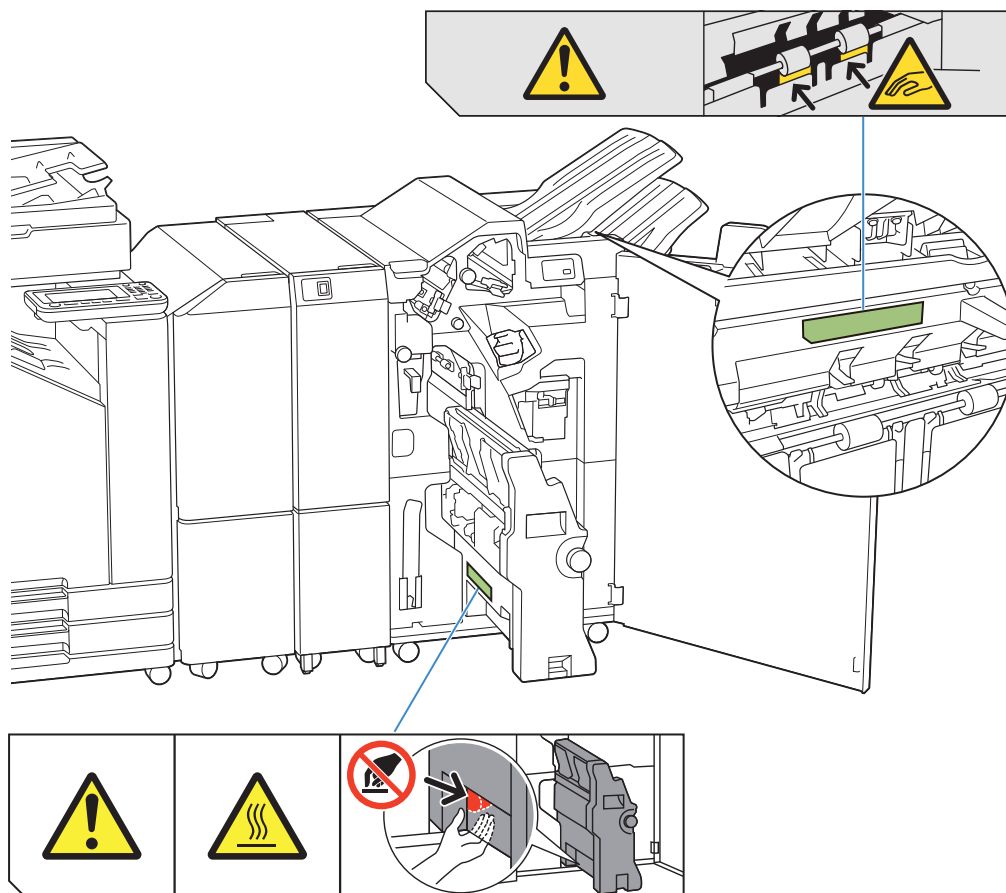
* Not equipped depending on the multifunction finisher you use

Caution Label

For safety use, the caution label below is adhered to the multifunction finisher. When operating or maintaining the multifunction finisher, read the instructions on the caution label for safe use. Do not remove or dirty the label. If the label is not stuck on the face down finisher, is peeling off, or is unreadable, contact your dealer or authorized service representative.

■ Location of the Caution Label

The location of the caution label (warning) is shown below.



- The high temperature caution labels are also inside the multifunction finisher and the folder unit.

■ Label Details

- Your fingers may become caught while the multifunction finisher moves or when you remove printouts from the stacking tray.
- The location of the label may be high temperature. Contact may result in burn.

List of Settings

The items described below can be set when the multifunction finisher is connected.

Printer Driver

Setting item	Description	See
[Finishing] Tab		
Offset Output	You can stack each set of printed documents slightly apart from one another when printing multiple copies.	p.179
Staple	Select the stapling position.	p.179
Punch	Select the punching method.	p.182
Fold	Select this when folding paper in two.	p.182
Booklet Binding	Specify the type of booklet printing.	p.184
Output Tray	Specify the output tray.	p.185
Output Tray Relay	Select this to switch the output tray automatically when the tray is full.	p.186
[Advanced] Tab		
Program	Specify this when the number of required copies varies by group (such as corporate division or classes).	p.119
Offset Output (Program)	You can stack each set of printed documents slightly apart from one another to create separation.	p.186



- When [Staple], [Punch], and other functions are grayed out in the [Finishing] tab, make sure that [Printer Configuration] in the [Environment] tab on the properties screen has been configured correctly. (p.121 "Printer Configuration")

Copy Mode

Setting item	Description	See
Booklet	Specify the imposition and paper folding when creating a booklet.	p.66
Binding ([Booklet])	Printing paper is folded in two and bound in the middle with staples.	p.189
Separating Books ([Booklet])	Select whether a saddle stitch binding or a side stitched binding when a booklet is printed with separated outputs.	p.189
Program	Specify this when the number of required copies varies by group (such as corporate division or classes).	p.72
Offset Output ([Program])	You can stack each set of printed documents slightly apart from one another to create separation.	p.172
Separation	Specify where to insert slip sheets between printouts.	p.74
Offset Output ([Separation])	You can stack each set of printed documents slightly apart from one another to create separation.	p.186
Staple / Punch	Specify the stapling and punching settings.	p.186
Fold	Select this when folding paper in two.	p.188
Output Tray	Specify the output tray.	p.189
Face Up/Down	Specify whether to output printouts face-up or face-down to the tray.	p.190
Output Tray Relay	Select this to switch the output tray automatically when the tray is full.	p.190



- The punch settings are displayed when you are using the optional punch unit.

Printer Driver Settings

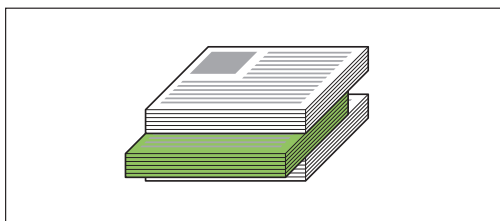
Offset Output

Stack each set of printed documents slightly apart from one another when printing multiple copies.

- When [Program] is configured, [Offset Output] is [OFF]. (p.119 "Program")
- This setting is not available for paper sizes that cannot be output to the stacking tray.
- When [Mixed Size Original] is configured, [Offset Output] is [OFF]. (p.105 "Mixed Size Original")
- When [Bi-fold], [Inner Tri-fold] or [Outer Tri-fold] under [Fold] is configured, [Offset Output] is set to [OFF]. (p.182 "Fold")
- When [Booklet Binding] is configured, [Offset Output] is [OFF]. (p.184 "Booklet Binding")
- Normally, two-layer offsetting is used. When stapling is used in combination, three-layer offsetting is used.

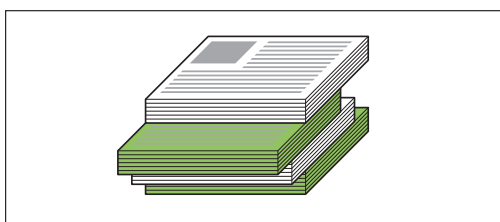
Two-layer offsetting

Without stapling (Multifunction Finisher, Face Down Finisher)



Three-layer offsetting

With stapling (Multifunction Finisher)



[OFF]

Offset output is not performed.

[Between Sorts]

Each set of printed documents specified in [Sort] is stacked slightly apart from one another.

[Between Jobs]

Each finished print job is stacked slightly apart from one another.

Staple

Select the stapling position.



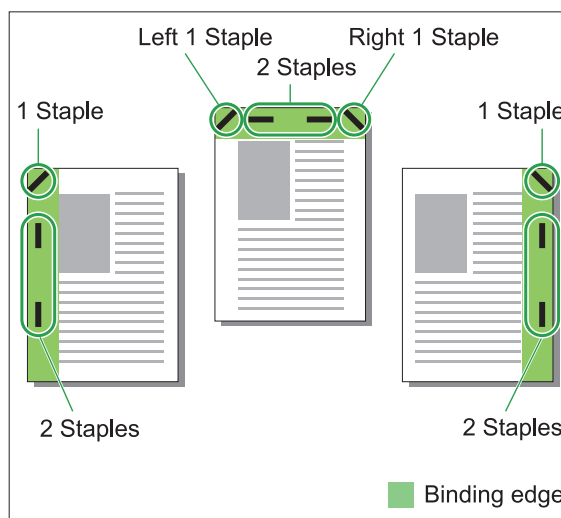
- When [Staple] is configured, make sure to configure [Binding Edge].
- When [Staple] is configured, [Sort] is set to [Collated]. (p.105 "Sort")
- When [Booklet] is configured, [Staple] is [OFF]. (p.109 "Booklet")
- When [Booklet Binding] is configured, [Staple] is [OFF]. (p.184 "Booklet Binding")
- The orientation of the paper varies depending on the binding edge. See "Staple Function and Loading Orientation of the Paper" (p.170).

If you select [Left] or [Right] for [Binding Edge], select from the following options.

[OFF], [1 Staple], [2 Staples]

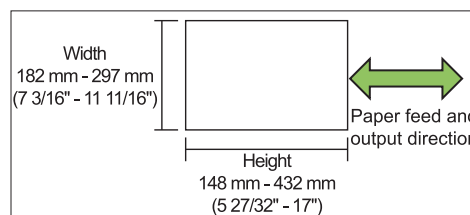
If you select [Top] for [Binding Edge], select from the following options.

[OFF], [Left 1 Staple], [Right 1 Staple], [2 Staples]



<Types of paper that can be stapled>

- Paper size: A3, B4, A4, A4-LEF, B5, B5-LEF, A5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K, 16K-LEF, and Non-standard



- Paper weight: 52 g/m² to 210 g/m² (14-lb bond - 56-lb bond)

<Number of sheets that can be stapled>

- When using standard size paper
A4, A4-LEF, B5, B5-LEF, Letter, Letter-LEF, 16K, 16K-LEF:
2 to 100 sheets
Sizes other than the above (A3, B4, Ledger, Legal, Foolscap, 8K):
2 to 65 sheets
- When using non-standard size paper
Paper length exceeds 297 mm (11 11/16"): 2 to 65 sheets
Paper width and length exceed 216 mm (8 1/2"): 2 to 65 sheets
Other than the above: 2 to 100 sheets



- When printing jobs that exceed the maximum number of sheets that can be stapled, the sheets are output without being stapled.

Features of the Multifunction Finisher

The size of the paper that can be stapled varies depending on the model.

	ComColor FT 5000/5000R	ComColor FT 5430/5430R/ 5230/5230R/ 5231/5231R/2430 ComColor black FT 1430/1430R
 A4 B5	✓	✓
 A4 B5	✓	✓
 A4-LEF B5-LEF	N/A	✓
 A4-LEF B5-LEF	N/A	✓
 A3 B4	N/A	✓
 A3 B4	N/A	✓
 A4 B5	✓	✓
 A4-LEF B5-LEF	N/A	✓
 A3 B4	N/A	✓

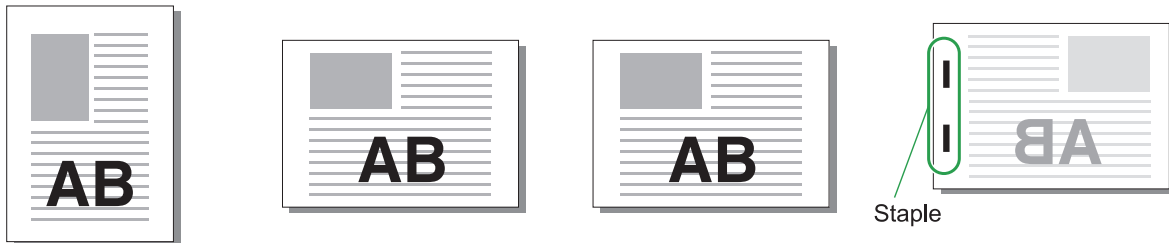


- Paper sizes in inches are as follows:
A3 (Ledger) A4 (Letter) B4 (Legal)

Staple Function and Loading Orientation of the Paper

The orientation of the paper in the paper tray and the staple binding edge are shown below.

Orientation: Portrait Orientation: Landscape Face Up/Down: Face up Face Up/Down: Face down



Binding Edge	Staple position					
	1 Staple		2 Staples			
Left						
Right						
Top	Left 1 Staple		Right 1 Staple		2 Staples	
Paper transfer			 Paper feed and output direction			



- When the corresponding size of paper is not loaded in the paper tray, a message is displayed. Follow the on-screen instructions to load the paper.
- For [1 Staple] binding, the staple angle may differ from the images above and the print images on the printer driver screen, depending on the paper size or orientation.
- When multiple different original sizes are used in the original, the machine automatically rotates the image to suit the [Binding Edge] setting.

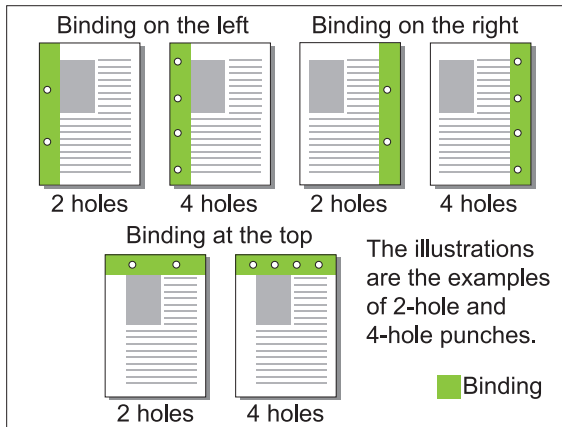
Punch

Specify the number of holes to be punched.



- When [Booklet] is configured, [Punch] is set to [OFF]. (p.109 "Booklet")
- When [Booklet Binding] is configured, [Punch] is set to [OFF]. (p.184 "Booklet Binding")

[OFF], [2 Holes], [4 Holes]



<Types of paper that can be punched>

- Paper size:
 2 holes: A3, B4, A4, A4-LEF, B5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K-LEF
 3 holes: A3, B4, A4-LEF, B5-LEF, Ledger, Letter-LEF, 8K, 16K-LEF
 4 holes: A3, A4-LEF, Ledger, Letter-LEF, 8K, 16K-LEF
- Paper weight: 52 g/m² to 210 g/m² (14-lb bond - 56-lb bond)

The size of the paper that can be punch varies depending on the model.

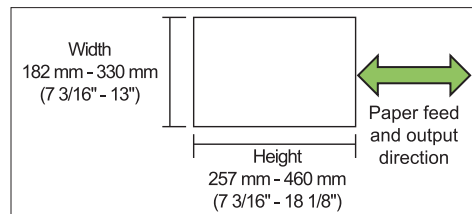
	ComColor FT 5000/5000R	ComColor FT 5430/5430R/ 5230/5230R/ 5231/5231R/2430 ComColor black FT 1430/1430R
A4	✓	✓
A4-LEF B5-LEF	N/A	✓
A3 B4	N/A	✓
A4-LEF B5-LEF	N/A	✓
A3 B4	N/A	✓

Fold

Select the folding type such as bi-fold or Z-fold.

<Types of paper that can be Folded>

- Paper size:
 Bi-fold: A3, B4, A4, B5, Ledger, Legal, Letter, Foolscap, 8K, 16K, and Non-standard
 Inner Tri-fold, Outer Tri-fold: A4, Letter
 Z-fold: A3, B4, Ledger, 8K



- You cannot fold the paper in two, which has a width longer than its height.

- Paper weight: 60 g/m² to 90 g/m² (16-lb bond - 24-lb bond)

[OFF]

Paper is not folded.

[Bi-fold]

Each sheet of paper is folded in two.

[Inner Tri-fold]

Each sheet of paper is folded in three toward inside.

[Outer Tri-fold]

Each sheet of paper is folded in three toward outside.

[Z-fold]

Each sheet of paper is folded in Z shape. When [Mixed Size Original] is used in combination, Z-folded paper and non-Z-folded paper are output with mixed.

Select the folding type and click [Details] to display the [Fold] dialog box. Configure the folding direction and binding edge position.

■ Fold direction

When you have selected [Bi-fold], [Inner Tri-fold] or [Outer Tri-fold], specify the printed surface to fold inside or outside.



- When both sides have been printed, the first page is the printed surface.

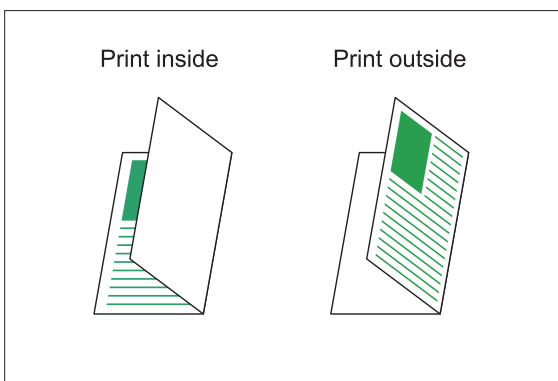
[Print Inside]

Fold the paper with the printed surface on the inside.

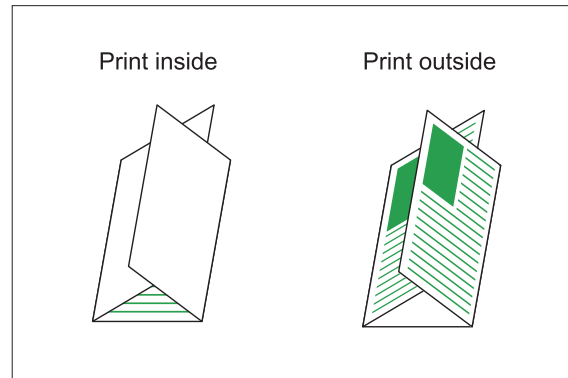
[Print Outside]

Fold the paper with the printed surface on the outside.

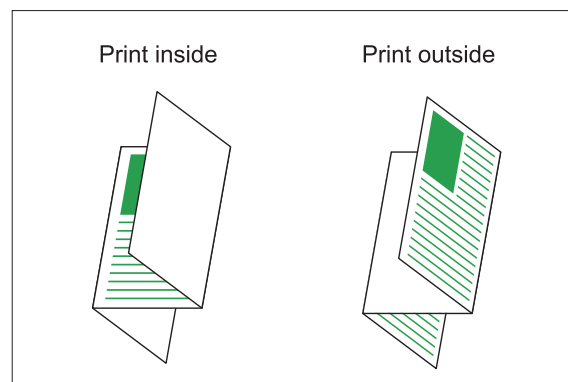
Bi-fold



Inner Tri-fold



Outer Tri-fold



■ Binding Edge

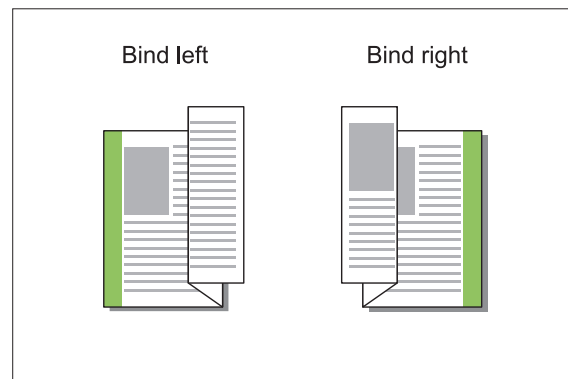
When you have selected [Z-fold], specify the binding position.

[Bind Left/Top]

Fold the right half of the paper in Z shape.

[Bind Right/Bottom]

Fold the left half of the paper in Z shape.





- When [Mixed Size Original] is configured, [Fold] is set to [Z-fold] only. In this case, the sizes that can co-exist are "A4-LEF and A3", "B5-LEF and B4" and "Letter-LEF and Ledger". (p.105 "Mixed Size Original")
- When [Mixed Size Original] is used in combination, select the direction of bigger size of the original for [Orientation]. (When A4 original is portrait and A3 original is landscape, select [Landscape].) (p.105 "Original Size", p.105 "Mixed Size Original")
- Select the paper size of Z-fold for [Paper Size]. (p.106 "Paper Size")
- When using this function with duplex printing, duplex printing is only applied when the size of the front and back of the document is the same. (If the size is not the same, the back of the page is left blank.) (p.104 "Duplex / Simplex")
- When [Mixed Size Original] is used in combination, staple, punch and offset output functions are available. (p.105 "Original Size", p.179 "Offset Output", p.179 "Staple", p.182 "Punch")
- When [Add Cover] is used in combination, you can add a cover pager which is the same size as the Z-folded. (p.114 "Add Cover")

Booklet Binding

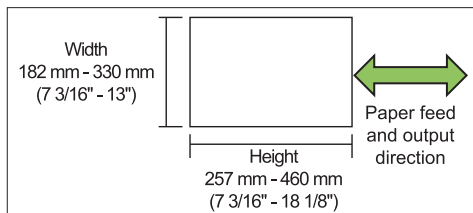
Perform duplex printing for continuous multiple pages to create a booklet with the paper folded in two. The paper can also be bound in the middle with staples.



- When [Booklet Binding] is configured, [Sort] is set to [Collated]. (p.105 "Sort")

<Types of paper that can be used to create booklets>

- A3, B4, A4, B5, Ledger, Legal, Letter, Foolscap, 8K, 16K, and Non-standard



- You cannot use the paper which has a width longer than its height.

[OFF]

Booklet binding is not performed.

[Fold]

Printing paper is folded in two.

[Fold + Staple]

Printing paper is folded in two and bound in the middle with staples.

Select how to create a booklet and click [Details] to display the [Booklet Binding] dialog box.

Configure the settings for separating books, center margin and booklet cover.

■ Separating Books

When you have selected [Fold] or [Fold + Staple], some restrictions apply to the number of sheets you can fold.

[Fold] creates a separate booklet every 5 sheets (20 pages), and [Fold + Staple], a booklet every 20 sheets (80 pages).

When the number of pages exceeds these numbers of sheets, one fold is made every number of sheets indicated above and the sheets are output (creating a separate booklet).

The layout order is different depending on whether middle binding or side binding is performed for the separate stacks. Therefore, select [OFF] or [ON].

[OFF]

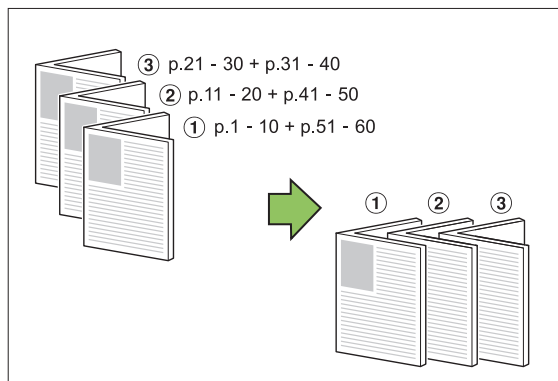
Data is imposed to create a book by opening, layering, and then binding the sheets (in the center).

When [OFF] has been selected, the sheets are not stapled even if [Fold + Staple] is selected.

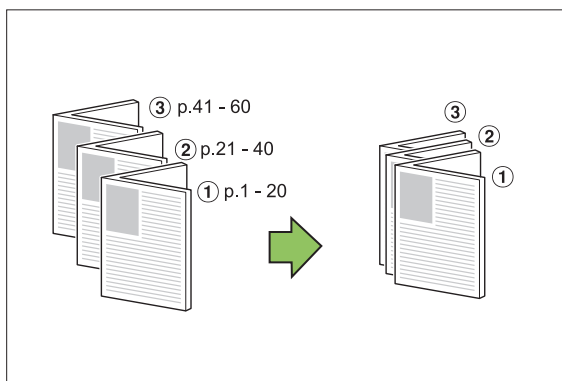
[ON]

Data is imposed to create a book by folding, layering, and then binding the sheets (on the side).

Example: When [OFF] has been selected for separating books and [Fold] has been set for a 60-page original



Example: When [ON] has been selected for separating books and [Fold] has been set for a 60-page original



■ Center Margin

Enter a value for [Width].

When you have selected the [Auto Reduction] check box and the margin width you have specified would cause the printed image not to fit on the sheet, the image is automatically reduced to fit.

■ Booklet Cover

Only the cover pages (the first two pages and last two pages) are printed separately. This is useful when printing the covers and main text with separate paper.

[OFF]

Booklet covers are not printed.

[Print Cover Only]

Only the cover pages are printed.

[Print Except Cover]

All pages except for the covers are printed as a booklet.

[Store Except Cover to Waiting List]

With the [Store Except Cover to Waiting List] check box selected, you can start printing the main text on the operation panel of the machine after the cover pages are printed. When you select the check box, specify the feed tray for the cover.

[Cover Sheet Tray]

[Standard Tray], [Feed Tray 1], [Feed Tray 2]

This section explains when you print only the cover pages separately and create a booklet by aligning main text.

1 Click [Print Cover Only] under [Booklet Cover].

2 Select the [Store Except Cover to Waiting List] check box.

3 Select [Cover Sheet Tray].

4 Click [OK].

Only cover pages are printed and main body data will be listed in a waiting job.

5 Set the printed covers to the tray which is selected at [Cover Sheet Tray].

6 Touch [Print] on the [Home] screen.

7 Select a job.

8 Press the [Start] key.

The main text is printed, aligned with the covers, and created into a booklet.

The size of the paper that can be booklet varies depending on the model.

	ComColor FT 5000/5000R	ComColor FT 5430/5430R/ 5230/5230R/ 5231/5231R/2430 ComColor black FT 1430/1430R
A3 B4	N/A	✓
A4 Foolscap	✓	✓

Output Tray

Specify the output tray for printouts.

When you have specified [Auto], printouts are output to the appropriate tray automatically based on the configured functions. When the multifunction finisher is connected, select [Top Tray] or [Stacking Tray].

Click [Details] to display [Output Tray] dialog box. Specify whether to output printouts face-up or face-down to the tray.

[Face Up] / [Face Down]



- When [Offset Output], [Staple], [Punch], [Fold], or [Booklet Binding] is configured, the tray you can select at [Output Tray] differs depending on the settings. (p.179 "Offset Output", p.179 "Staple", p.182 "Punch", p.182 "Fold", p.184 "Booklet Binding")

Output Tray Relay

Switch the output tray automatically when the tray is full.
You must set [Sort] to [Uncollated] in the [Basic] tab.

Offset Output (Program)

When [Program] is used, each set of printed documents is stacked slightly apart from one another to create separation.
For more information on configuring [Program], see "Program" (p.119) in "Printing".

[OFF]

Offset output is not performed.

[Between Sets]

Each set of printed documents is stacked slightly apart from one another.

[Between Groups]

Each group of printed documents is stacked slightly apart from one another.

Copy Mode Settings

Offset Output ([Separation])

When [Separation] is used, each set of printed documents is stacked slightly apart from one another to create separation.

[OFF]

Offset output is not performed.

[Between Sorts]

Each sorted set is stacked slightly apart from one another.

[After a Job]

Each print job is stacked slightly apart from one another.

<Paper that can be offset>

- A3, B4, A4, A4-LEF, A5-LEF, B5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, custom size (203 mm × 148 mm to 297 mm × 488 mm (8" × 5 27/32" to 11 11/16" × 19 7/32"))

1 Touch [Separation].

2 Select the offset output setting.

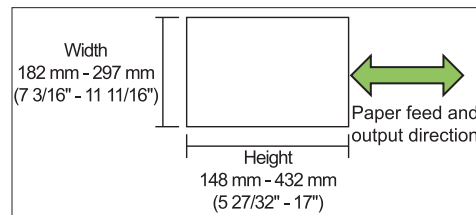
3 Touch [OK].

Staple / Punch

Staple or punch at the specified position.

<Types of paper that can be stapled>

- Paper size: A3, B4, A4, A4-LEF, B5, B5-LEF, A5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K, 16K-LEF, and Non-standard



- Paper weight: 52 g/m² to 210 g/m² (14-lb bond - 56-lb bond)

<Number of sheets that can be stapled>

- When using standard size paper
A4, A4-LEF, B5, B5-LEF, Letter, Letter-LEF, 16K, 16K-LEF:
2 to 100 sheets
Sizes other than the above (A3, B4, Ledger, Legal, Foolscap, 8K):
2 to 65 sheets
- When using non-standard size paper
Paper length exceeds 297 mm (11 11/16"): 2 to 65 sheets
Paper width and length exceed 216 mm (8 1/2"): 2 to 65 sheets
Other than the above: 2 to 100 sheets



- When printing jobs that exceed the maximum number of sheets that can be stapled, the sheets are output without being stapled.

<Types of paper that can be punched>

- Paper size:
 - 2 holes: A3, B4, A4, A4-LEF, B5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K
 - 3 holes: A3, B4, A4-LEF, B5-LEF, Ledger, Letter-LEF, 8K, 16K-LEF
 - 4 holes: A3, A4-LEF, Ledger, Letter-LEF, 8K, 16K
- Paper weight: 52 g/m² to 210 g/m² (14-lb bond - 56-lb bond)

■ Original Orientation**[Top Side Up]**

Select this option when loading originals in an orientation from which they can be read normally.

[Top Side Left]

Select this option when loading originals so that the top of the original is aligned with the left edge.

■ Binding Edge

Select the binding edge of the paper.

Left, Right, Top

■ Staple

Select the stapling position.

If you select the left or the right for [Binding Edge], select from the following options.

[OFF], 1 staple, 2 staples

If you select the top for [Binding Edge], select from the following options.

[OFF], left 1 staple, right 1 staple, 2 staples

- The left 1 staple and the right 1 staple are displayed only when the top is selected for [Binding Edge].

- 1 Touch [Staple / Punch].
- 2 Select the original orientation.
- 3 Configure [Binding Edge].
- 4 Configure [Staple].
- 5 Touch [OK].

■ Punch

Specify the number of holes to be punched.
[OFF], [2 Holes], [3 Holes], [4 Holes]

- 1 Touch [Staple / Punch].
- 2 Select the original orientation.
- 3 Configure [Binding Edge].
- 4 Configure [Punch].
- 5 Touch [OK].

■ Binding Margin

You can specify the binding margin so that staples are not in the printing area.

- 1 Touch [Binding Margin] on the [Staple / Punch] screen.
The [Binding Margin] screen is displayed.
- 2 Specify the binding margin.
 - Select [Binding Edge].
 - Use [↓], [↑], or the numeric keys to enter the width.
 - If part of the printing area is missing due to the binding margin setting, set [Auto Reduction] to [ON].
- 3 Touch [OK].

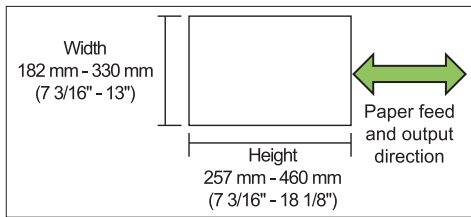
Fold

Select the folding type such as bi-fold or Z-fold.



• When [Mixed Size Z-fold] under [Fold] is set to [ON], this function can be used in combination with [Staple / Punch]. (p.186 "Staple / Punch")

- Paper size:
 Bi-fold: A3, B4, A4, Ledger, Legal, Letter, Foolscap, 8K, 16K, and Non-standard
 Inner Tri-fold, Outer Tri-fold: A4, Letter
 Z-fold: A3, B4, Ledger, 8K



• You cannot fold the paper in two, which has a width longer than its height.

- Paper weight: 60 g/m² to 90 g/m² (16-lb bond - 24-lb bond)

[OFF]

Paper is not folded.

[Bi-fold]

Each sheet of paper is folded in two.

[Inner Tri-fold]

Each sheet of paper is folded in three toward inside.

[Outer Tri-fold]

Each sheet of paper is folded in three toward outside.

[Z-fold]

Each sheet of paper is folded in Z shape.

[Fold Direction]

Select whether to fold the print surface inside or outside.

Fold	Fold direction
[Bi-fold]	

Fold	Fold direction
[Inner Tri-fold]	
[Outer Tri-fold]	

[Binding Edge]

Specify the binding side of the paper.

Fold	Binding Edge
[Z-fold]	

[Mixed Size Z-fold]

When this option is set to [ON], bigger size among two different sizes is output with Z-fold and smaller size is output without Z-fold.

The sizes that can co-exist for mixed size Z-fold function are "A4-LEF and A3", "B5-LEF and B4" and "Letter-LEF and Ledger".

[Auto Image Rotation]

This rotates the image 90 degrees automatically when the orientations of the original and paper do not match, even if the paper size loaded in the tray matches the size of the loaded original. Normally, this setting is set to [ON].

■ When you have selected [Bi-fold], [Inner Tri-fold] or [Outer Tri-fold]

- 1 Touch [Fold].
- 2 Select the folding type.
- 3 Select [Fold Direction].
- 4 Touch [OK].

■ When you have selected [Z-fold]

- 1 Touch [Fold].

- 2 Touch [Z-fold].
- 3 Select [Binding Edge].
- 4 When the original sizes are mixed, select [Mixed Size Z-fold].
- 5 Touch [OK].
Touch [OK] after a confirmation screen is displayed and set [Auto Image Rotation] to [OFF].

Binding ([Booklet])

Specify the paper folding and staple settings when creating a booklet.
For more information on the booklet, see "Booklet" (p.66) in "Copying".



- When [Binding] is configured, [Sort] is set to [Collated]. (p.62 "Sort")

[OFF]
Binding is not performed.

[Fold + Staple]
Paper is folded in two and bound in the center with staples.

[Fold]
Paper is folded in two.

Separating Books ([Booklet])

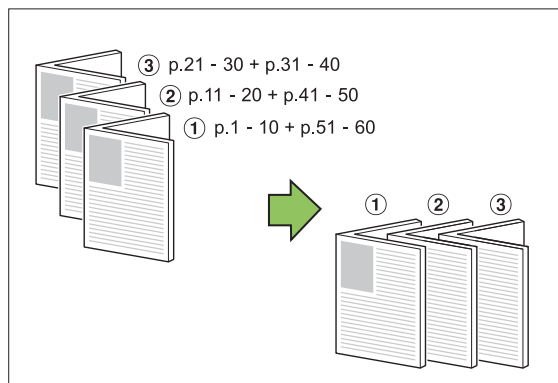
When you have selected [Fold] or [Fold + Staple] under [Binding], some restrictions apply to the number of sheets you can fold.
[Fold] creates a separate booklet every 5 sheets (20 pages), and [Fold + Staple], a booklet every 20 sheets (80 pages).

When the number of pages exceeds these numbers of sheets, one fold is made every number of sheets indicated above and the sheets are output (creating a separate booklet).
The layout order is different depending on whether middle binding or side binding is performed for the separate stacks. Therefore, select [OFF] or [ON].

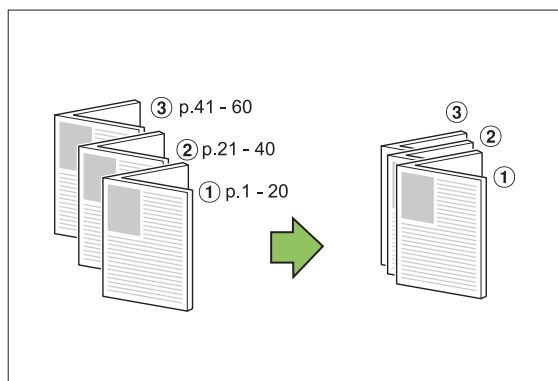
[OFF]
Data is imposed to create a book by opening, layering, and then binding the sheets (in the center).
When [OFF] has been selected, the sheets are not stapled even if [Fold + Staple] is selected.

[ON]
Data is imposed to create a book by folding, layering, and then binding the sheets (on the side).

Example: When [OFF] has been selected for [Separating Books] and [Fold] has been set for a 60-page original



Example: When [ON] has been selected for [Separating Books] and [Fold] has been set for a 60-page original



Output Tray

Select the output tray for printouts.



- The buttons displayed on the [Output Tray] screen varies depending on the optional equipment connected.

[Auto]
The appropriate tray is selected automatically.

[①Face Down Tray], [②Top Tray], [③Stacking Tray]

Select the output tray.

1 Touch [Output Tray].

2 Select the output tray.

3 Touch [OK].

Face Up/Down

Specify whether to output printouts face-up or face-down to the tray.

[Face Up], [Face Down]

Output Tray Relay

Switch the output tray automatically when the tray is full.

1 Touch [Output Tray Relay].

2 Touch [ON].

3 Touch [OK].



• When [Output Tray Relay] is configured, [Sort] is set to [Uncollated]. (p.62 "Sort")

Offset Output ([Program])

When [Program] is used, each set of printed documents is stacked slightly apart from one another to create separation.

For more information on the program, see "Program" (p.72) in "Copying".

[OFF]

Offset output is not performed.

[Between Sets]

Each set of printed documents is stacked slightly apart from one another.

[Between Groups]

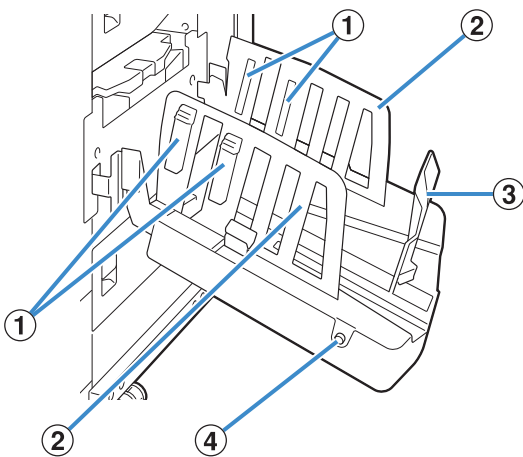
Each group of printed documents is stacked slightly apart from one another.

Stacking Tray (Auto-control Stacking Tray / Wide Stacking Tray)

The auto-control stacking tray and wide stacking tray are available as optional stacking trays.

- With the auto-control stacking tray, the paper guides adjust automatically to fit the paper size.
- With the wide stacking tray, move the paper guides (side and end) to match the paper size.

<The auto-control stacking tray is shown in the illustration below.>



① Paper Arrangers

Set to suit the paper type so that the output paper is neatly aligned.

② Paper Guides (side)

③ Paper Guide (end)

Use to prevent output paper in the stacking tray from becoming misaligned.

④ Paper Guides Open Button (Auto-control stacking tray only)

Use to spread the paper guides apart. Operation varies depending on whether paper is present or not.

- When the machine is idle and there is no paper in the stacking tray, the guides open to the loading position.
 - When the machine is idle and there is paper in the stacking tray, the paper guides spread apart, making it easy to remove the paper.
- The administrator can configure which paper guides spread apart when the button is pressed.

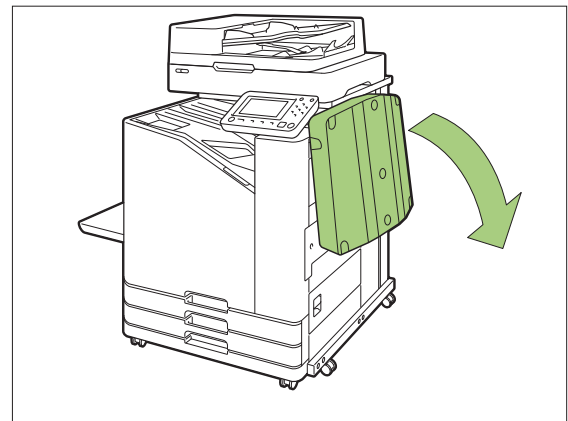
Loading the Stacking Tray

Follow the procedure below to load the stacking tray. Depending on the paper size or type, you can also adjust the paper arranger at this time.

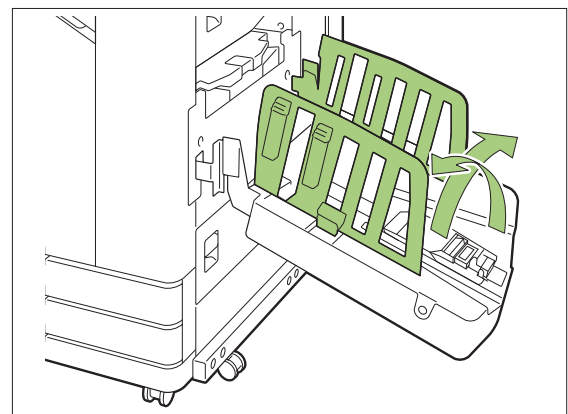


- The auto-control stacking tray is shown in the illustrations below.
- When using the wide stacking tray, manually adjust the positions of the paper guides (side and end) to match the paper size.

1 Open the stacking tray in the direction of the arrow until it stops.

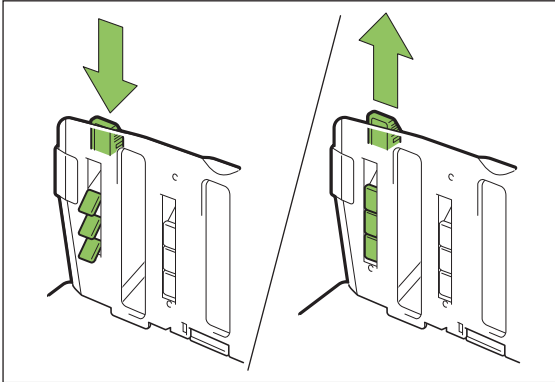


2 Lift the paper guides (side) to stand them upright.

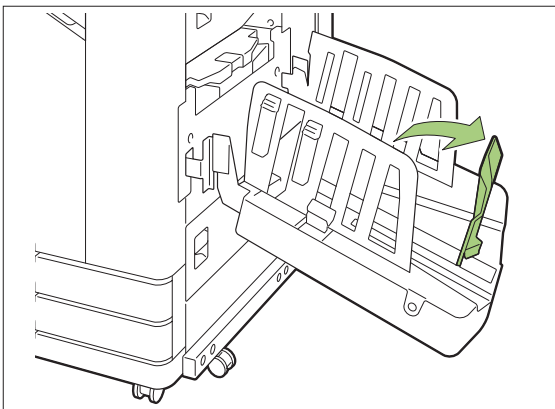


3 Adjust the paper arranger.

Normally, the paper arranger should be extended when printing on paper that is B4 size or smaller. How paper is stacked after printing varies depending on stiffness and other factors. Adjust the paper arranger as needed.



4 Lift the paper guide (end) to stand it upright.

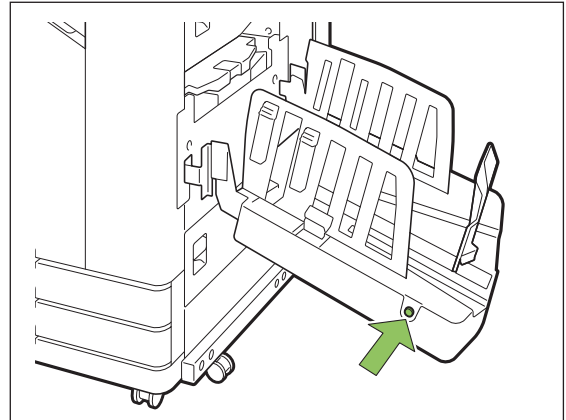


- Fold all paper guides when printing on paper larger than 320 mm × 432 mm (12 19/32" × 17").

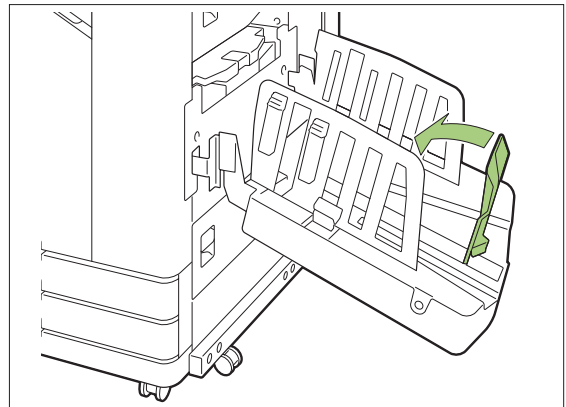
Closing the Stacking Tray

1 After confirming that there are no printouts in the stacking tray, press the paper guides open button.

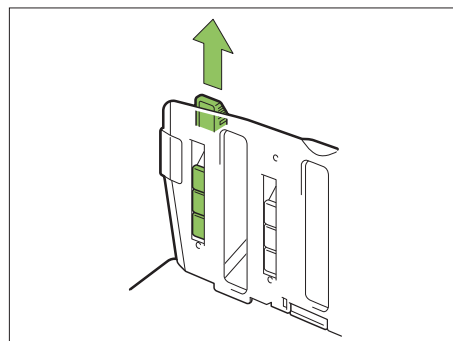
The paper guides (side and end) now move into position for storage.



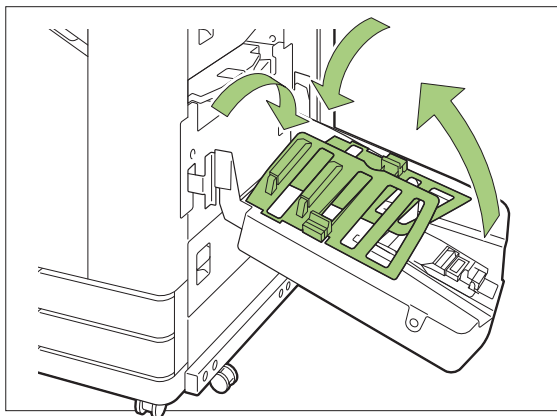
2 Lower the paper guide (end) toward the stacking tray to fold it up.



3 Fold up the paper arranger.



- 4 Lower the paper guides (side) inward, and then close the stacking tray.



List of Settings

The items described below can be set when the stacking tray is connected.

Printer Driver

Setting item	Description	See
[Finishing] Tab		
Output Tray	Specify the output tray.	p.193
Output Tray Relay	Select this to switch the output tray automatically when the tray is full.	p.194

Copy Mode

Setting item	Description	See
Output Tray	Specify the output tray.	p.193
Face Up/Down	Specify whether to output printouts face-up or face-down to the tray.	p.194
Output Tray Relay	Select this to switch the output tray automatically when the tray is full.	p.194

Maintenance Mode

Setting item	Description	See
Paper Guide Control	Adjust the position of the paper guides of the auto-control stacking tray.	p.194

Printer Driver Settings

Output Tray

Specify the output tray for printouts. When [Auto] is specified, printouts are output to the appropriate tray automatically based on the configured functions. If the stacking tray is connected, select [Auto-control Stacking Tray] or [Wide Stacking Tray].

Click [Details] to display [Output Tray] dialog box. Select whether to output printouts face up or face down to the tray.

[Face Up], [Face Down]

Output Tray Relay

The output tray switches automatically when the tray is full.



- This setting is not available when using the wide stacking tray or face up stacking tray.
- When [Output Tray Relay] is configured, [Sort] is set to [Uncollated] in the [Basic] tab. (p.105 "Sort")

Copy Mode Settings

Output Tray

Select the output tray for printouts.



- The tray details displayed on the [Output Tray] screen vary depending on the optional equipment that is connected.

[Auto]

The appropriate tray is selected automatically.

[①Face Down Tray], [②Wide Stacking Tray]

Select the output tray.

- 1 Touch **[Output Tray]**.
- 2 Select the output tray.
- 3 Touch **[OK]**.

Face Up/Down

Select whether to output printouts face up or face down to the tray.

[Face Up], [Face Down]

Output Tray Relay

The output tray switches automatically when the tray that is being used becomes full.

- 1 Touch **[Output Tray Relay]**.
- 2 Touch **[ON]**.
- 3 Touch **[OK]**.



- This setting is not available when using the wide stacking tray or face up stacking tray.
- When **[Output Tray Relay]** is configured, **[Sort]** is set to **[Uncollated]**. (p.62 "Sort")

Maintenance Mode Settings

Paper Guide Control

Adjust the position of the paper guides of the auto-control stacking tray. For more information, see the separately provided "Troubleshooting Guide".

PostScript kit

When the PostScript kit is installed, you can print a combination of a transaction form and variable data from a database, and also can print DTP data with PostScript fonts.

This section describes how to install the PostScript 3 printer driver and the items that can be configured when the PostScript kit is installed.



- Log in as a user with administrator privilege (Windows), or as a root user (Mac OS or Linux).
- Close all active applications.
- PS Kit FG10 is not supported in some regions.

Operating Environment

The system requirements for activating the PostScript 3 printer driver are described in the table below.

Memory	1 GB or more
CPU	Windows or Linux: Intel or fully compatible CPU Mac OS: Intel CPU
Hard disk	2 GB or more free space (Space enough to operate the OS)
Display	1024 × 768 or greater resolution

Installing to Windows

1 Load the included DVD-ROM in the computer's DVD-ROM drive.

The installation wizard automatically starts up. If the installation wizard does not start up, double-click the file "Install.exe" on the DVD-ROM.

2 Select the desired language in the pull-down menu and click [OK].

3 Follow the on-screen instructions to configure the settings.

4 Click [Finish].

If the printer driver is installed over the existing one, the computer restarts.



- If you do not want to restart the computer now, remove the check mark from the [Restart now] check box before clicking [Finish].

5 Remove the DVD-ROM from the computer.



- Keep the DVD-ROM in a safe place for future reference.

Uninstalling From Windows

Use the uninstaller to uninstall the printer driver compatible with PostScript 3. Uninstall the printer driver in the same way as described in "Uninstalling the Printer Driver" in the separately provided "Administrator's Guide".

Installing to Mac OS

1 Load the included DVD-ROM in the computer's DVD-ROM drive.

Double-click the installation package file on the DVD-ROM.

2 Click [Continue].

3 Click [Install].

4 Follow the on-screen instructions to configure the settings.

On the authentication screen, enter values for [Name] and [Password], and click [Install Software].



- Contact your administrator for [Name] and [Password] information.

5 Click [Close].

6 Remove the DVD-ROM from the computer.

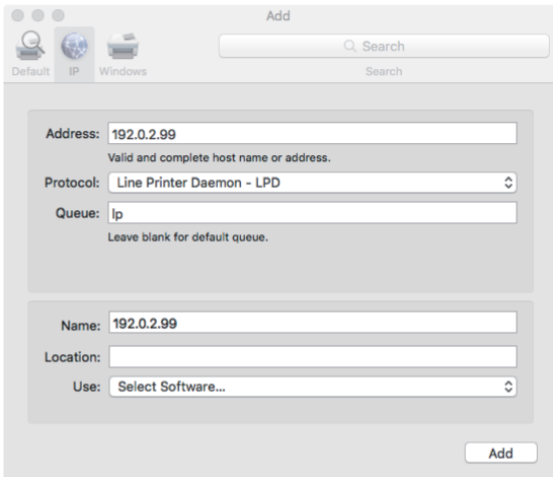


• Keep the DVD-ROM in a safe place for future reference.

7 Add a printer.

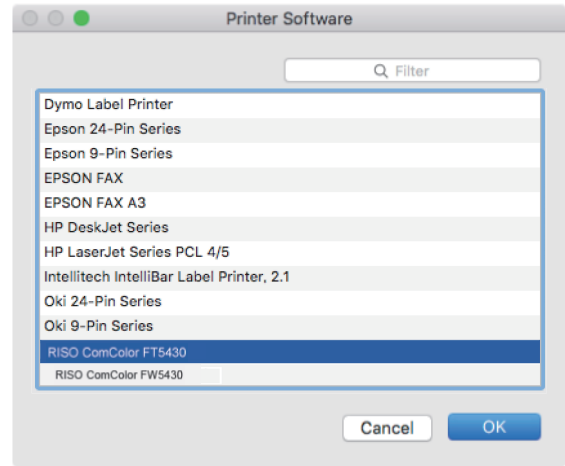
- 1) Open the Mac OS startup volume, and open [Applications] - [System Preferences].
- 2) Click [Print & Scan] or [Printers & Scanners].
- 3) Click the [+] button.

8 Configure the queue.



On the [Add] screen, click [IP] and enter the IP address and queue.
Queue: Enter "lp" in lower case characters for the queue.

Use: Click [Select Software] to open the [Printer Software] screen. Select the printer driver you installed.

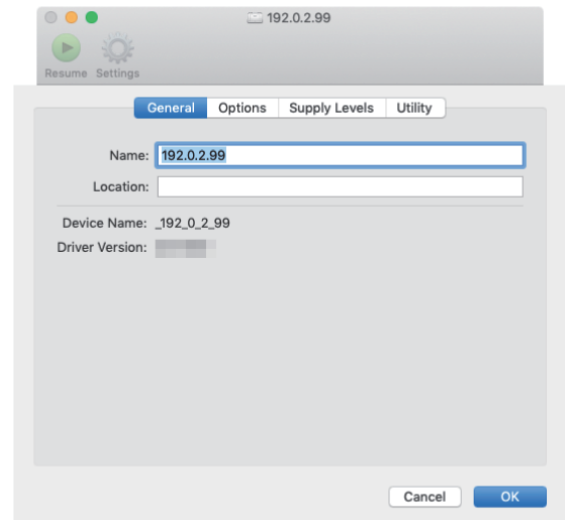


Setting the Printer Configuration

When you use the printer for the first time or added an option to the machine, you need to set the printer configuration.

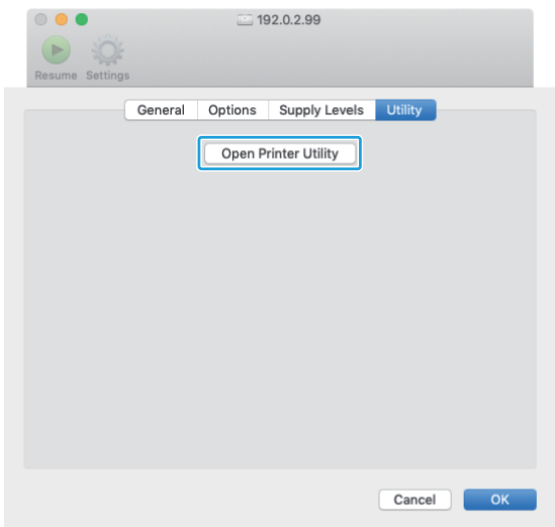
1 On the [Print & Scan] or [Printers & Scanners] screen, select ComColor FT (printer name), then click [Open Print Que].

2 Click [Setting].
The print que screen of the printer is displayed. You can check the printer information by clicking each tab.



[General] tab: You can check the device name or the printer driver version.
 [Options] tab: You can check and change the option setting acquired from the printer.
 [Supply Levels] tab: You can check the condition of supplies such as paper or ink.
 [Utility] tab: You can set the SNMP community name, Wake On LAN, shared folder, form, barcode area definition, and color profile.

3 Click [Open Printer Utility] on the [Utility] tab.

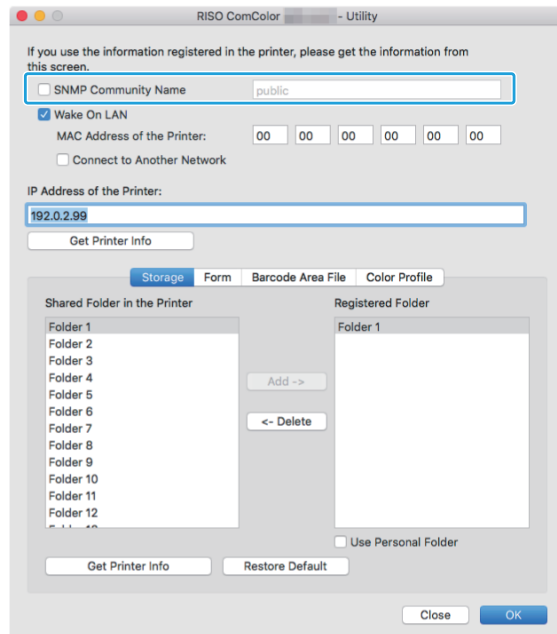


The [Utility] screen is displayed.

4 Specify the SNMP community name.

Specify the community name required for obtaining the machine's information from the computers with SNMP communication.

Select the [SNMP Community Name] check box and enter a community name for SNMP communication with 1 to 32 characters.



- If the [SNMP Community Name] check box is not selected, the community name for SNMP communication will be set to "public".
- Alphanumeric characters (upper case/lower case) and the following symbols can be entered in the text box for [SNMP Community Name]:
 , . / : ; @ [\] ^ _
- It will not be possible to obtain information from the machine if the SNMP community names are different between the machine and the printer driver. If you have made changes to the SNMP community name with the machine, be sure to apply the change to the printer driver too.

5 Specify the Wake On LAN setting.

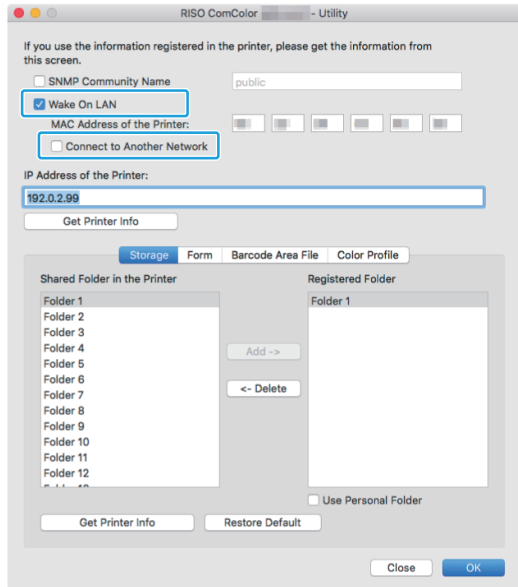
To enable the Wake On LAN setting used for waking up the machine via LAN, set the machine MAC address on the printer driver.



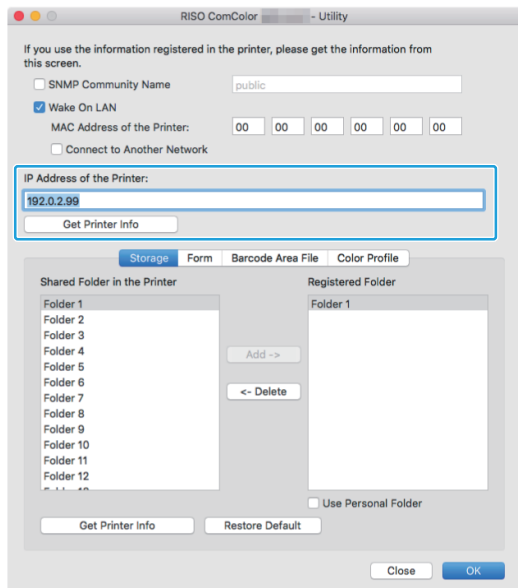
- If you try to print in a network environment where Wake On LAN communication is not enabled, the printer does not wake up automatically.

1) Select the [Wake On LAN] check box.

When the printer's and computer's network segments are different, you also need to select the [Connect to Another Network] check box. Normally, leave this check box unselected.



2) Enter the IP address of the machine in [IP Address of the Printer] and click [Get Printer Info].



The MAC Address of the machine is displayed in [MAC Address of the Printer].

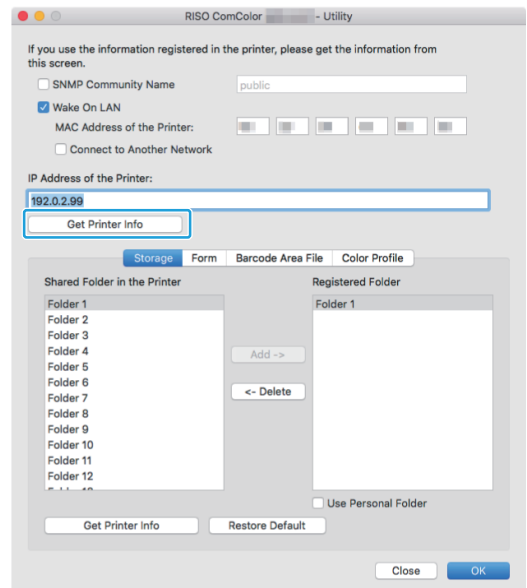


- You can also enter the MAC address manually in the text box for [MAC Address of the Printer].

6 Register the folder.

You can register the folder (shared folder or personal folder) to save print data on the printer driver. The folder registered here will be displayed in [Output] on the [Basic] tab.

1) Click [Get Printer Info].



The information of shared folders registered in the printer is displayed in [Shared Folder in the Printer].

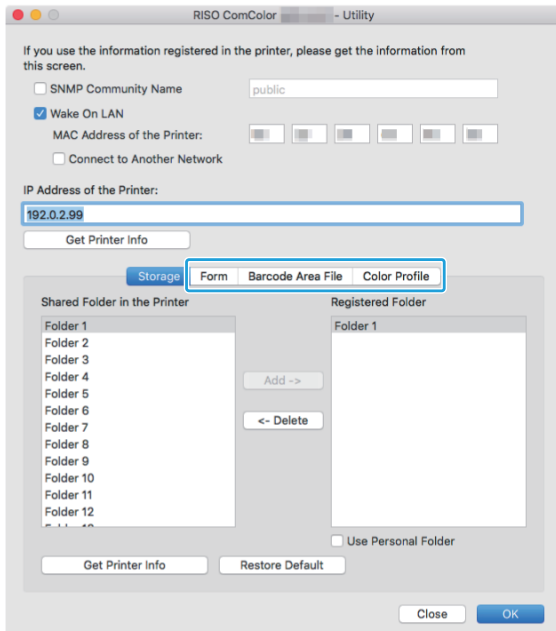
2) Select a folder to add to [Registered Folder] and click [Add ->].

3) Set the personal folder.

For personal folders, select the [Use Personal Folder] check box.

4) Click [OK].

7 Get the information of form, barcode area definition, or color profile as required.



Clicking [Get Printer Info] on each tab acquires the information from the printer.

Uninstalling From Mac OS

- 1 Open the Mac OS startup volume, and open [Applications] - [System Preferences].
- 2 Click [Print & Scan] or [Printers & Scanners].
- 3 Select the printer you want to delete, and click the [-] button.



- Delete the following folder and file from the Mac OS startup volume as needed.
 - The [RISO] folder in [Library] - [Printers].
 - The "RSFT****.ppd" file in [Library] - [Printers] - [PPDs] - [Contents] - [Resources]

Installing to Linux

Printing can be performed from Linux if the PPD file included on the DVD-ROM is registered to CUPS for Linux.



- Before installing, make sure that all of the necessary Linux system settings are properly configured.
- The procedure for installing to Linux may vary depending on your Linux environment. The standard installation procedure is described here.

- 1 Open the screen for registering a printer.
- 2 Configure the printer.
Follow the on-screen instructions to select the protocol (LPD, LPR, etc.), and enter the IP address of the printer.
- 3 Configure the queue.
Enter "lp" in lower case characters for the queue.
- 4 Select the driver.
Load the included DVD-ROM in the computer's DVD-ROM drive, and select the PPD file.
- 5 Follow the on-screen instructions to configure the settings.
Enter the printer name and other required information.
- 6 Remove the DVD-ROM from the computer.



- Keep the DVD-ROM in a safe place for future reference.

Uninstalling the PPD File

- 1 Open the screen for registering a printer.
- 2 Select the printer icon and delete it.

How to Print

Printing from a Windows Computer

For more information, see "Overview of Print Operations" (p.96) in "Printing".

Printing from a Mac

This section describes the basic procedure for printing from a Mac.



- The screens displayed may vary depending on the operating system and applications used, as well as the optional equipment connected.
- Some setting items may not be displayed, depending on how the administrator has configured the settings. Contact your administrator for details.

1 Open the print screen in the application on the computer.

Select [Print] in the [File] menu.

2 Select the printer.

3 Click [▼].

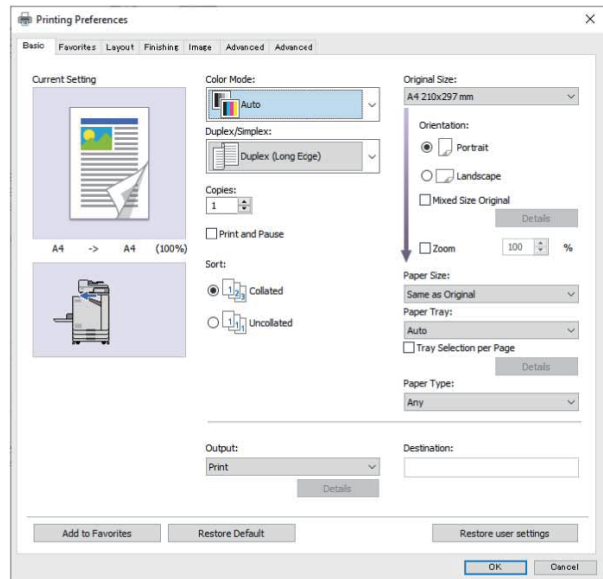
4 Click [Show Details].

Change the settings.

5 Click [Print] to perform printing.

Printer Driver Settings

This section describes the items that can be configured when the PostScript kit is installed, using the [Printing Preferences] screen in Windows as an example.



- When optional equipment is connected, first configure the settings in [Printer Configuration] under the [Environment] tab to use certain functions.
- When printing from a Mac, use the standard OS settings for [Copies], [Original Size], and [Orientation].

[Basic] Tab

For more information on each setting item, see "[Basic] Tab" (p.104) in "Printing".

Output

Specify whether to print the data sent from a computer, or save it in a folder on this machine. Form data can also be registered to the machine.

[Print]

Prints the data.

[Print & Storage]

Saves the original data in a folder on the machine and prints it.

[Storage]

Saves the original data in a folder on the machine. In addition, create a PRN file to use in the Barcode Area Definition Software.

[Form]

Registers forms.

For more information, see "Form Overlay" (p.203) in the [Advanced] tab.

Tray Selection Per Page

You can specify the tray to use for each page. When the check box is selected, you can specify which tray to print from, for each page.

[Standard Tray]

Specify the pages that are printed from the standard tray.

[Feed Tray 1]

Specify the pages that are printed from feed tray 1.

[Feed Tray 2]

Specify the pages that are printed from feed tray 2.

[Additional Tray]

Specify the pages that are printed from the additional tray.



- Use commas to separate the specified page numbers (1,2,3, etc.), or specify a range of pages (such as 1-10).
- If no tray is specified for a particular page, it is printed from the tray specified in the [Paper Tray] setting.
- When a tray is specified for a page, image processing is performed on the page based on the paper settings (paper type) for the specified tray.
- [Additional Tray] is displayed when the optional additional tray is connected.

Setting Example

Specifying a tray for each page when printing a 15-page document

Tray to use	Setting values
Standard Tray	1,5
Feed tray 1	6-10
Feed tray 2	11-13,15

Pages 1 and 5 are printed from the standard tray, pages 6 through 10 are printed from feed tray 1, and pages 11 through 13, along with page 15, are printed from feed tray 2. Pages 2 through 4, along with page 14, none of which have a specified tray, are printed from the tray specified in the [Paper Tray] setting.



- The [Tray Selection per Page] function cannot be used in combination with [Mixed Size Original], [Combine], [Image Repeat], [Booklet], [Rotation], [Fold], [Booklet Binding], or [Add Cover].

[Favorites] Tab

For more information on each setting item, see "[Favorites] Tab" (p.108) in "Printing".

[Layout] Tab

For more information on each setting item, see "[Layout] Tab" (p.109) in "Printing".



- The [Watermark] setting is not available with the PostScript printer driver.

Image Shift

Adjust the printing position of images.



- You can adjust the printing position a maximum of ±254 mm (10") up, down, left, or right, in increments of 0.1 mm (0.004").
- When performing duplex printing, the front and back sides can be adjusted separately.

Select the [Image Shift] check box and click [Details] to display the [Image Position Adjustment] dialog box. Enter a value in the box for the direction that you want to adjust.

[Front Side], [Back Side]

Enter values in [Horizontal] and [Vertical].

[Reset]

Resets the entered value to 0 on the front or back side separately.

Preview

You can preview the adjusted image position on the front or back side separately.

[Finishing] Tab

For more information on each setting item, see "[Finishing] Tab" (p.113) in "Printing".



- If you are using the optional face down finisher, see "Face Down Finisher" (p.166) on the following functions. [Staple], [Offset Output]
- If you are using the optional multifunction finisher, see "Multifunction Finisher" (p.175) on the following functions. [Staple], [Punch], [Fold], [Offset Output], [Output Tray], [Output Tray Relay]
- If you are using the optional stacking tray, see "Stacking Tray (Auto-control Stacking Tray / Wide Stacking Tray)" (p.191) on the following functions. [Output Tray], [Output Tray Relay]

Booklet Binding

Perform duplex printing for continuous multiple pages to create a booklet with the paper folded in two. The paper can also be bound in the middle with staples. For more information on the booklet binding, see "Booklet Binding" (p.184) in "Optional Equipment".

Select how to create a booklet and click [Details] to display the [Booklet Binding] dialog box.

■ Separating Books

For the booklet binding, a booklet is output by separated into a certain number of sheets. Imposing differs depending on the settings.

[OFF]

The pages will be imposed so that the pages are in order when the booklet is bound in the center. When the data contains a large number of pages, the booklets will be output as multiple volumes. The pages will be imposed so that when these volumes are opened and stacked on top of each other, they can be bound to form a single booklet.

[Auto]

Pages are imposed to pile up all parts of outputs with folded. When [Booklet Binding] is set to [Fold], one part of the booklet is printed 5 sheets each. When [Booklet Binding] is set to [Fold + Staple], one part of the booklet is printed 20 sheets each.

[1 Sheet], [2 Sheets], [3 Sheets], [4 Sheets], [5 Sheets], [6 Sheets], [7 Sheets], [8 Sheets], [9 Sheets], [10 Sheets], [11 Sheets], [12 Sheets], [13 Sheets], [14 Sheets], [15 Sheets], [16 Sheets], [17 Sheets], [18 Sheets], [19 Sheets], [20 Sheets]

When [Booklet Binding] is set to [OFF], you can specify the numbers of sheets to separate the booklet. The booklet is output by separating into the specified numbers of sheets.

When [Booklet Binding] is set to [Fold], you can specify the number of sheets between 1 and 5 per volume. When [Booklet Binding] is set to [Fold + Staple], you can specify the number of sheets between 1 and 20 per volume.



- When one booklet is separated into more than one output, the booklet will not be stapled.
- [Booklet Cover] and [Add Cover] are not available when [Separating Books] is set to other than [OFF].

[Image] Tab

For more information on each setting item, see "[Image] Tab" (p.115) in "Printing".



- In the [Image Quality] setting, [Data Compression (300x300 dpi)] is not available with the PostScript printer driver.

Gamma Correction

Corrects the brightness, contrast, and gamma value of CMYK.

Select the [Gamma Correction] check box and click [Details] to display the [Gamma Correction] dialog box.

[Brightness]

The smaller the value, the brighter (more whitish) the color. The larger the value, the darker (more blackish) the color.

Specify a value between -2 and +2.

[Contrast]

Adjusts the ratio of brightness to darkness. The smaller the value, the lower the contrast. The larger the value, the higher the contrast.

Specify a value between -2 and +2.

[Cyan], [Magenta], [Yellow], [Black]

Adjust the gamma value of each color.

The smaller the value, the lighter the color. The larger the value, the deeper the color. When you set the value to 1.00, the gamma value is not corrected and the color does not change. Specify a value between 0.01 and 3.00.



- Make your color adjustments based on the advice of the administrator.

Color Profile

Use a color profile to perform color management. When the check box is selected, [Details] is displayed.

Output Profile

You can select [Auto] or any output profile that has been added.



- When [Auto] is selected, the output profile is automatically configured based on the paper type and resolution settings.

Rendering Intent

Use a color conversion method to perform color replacement when different colors are expressed by combinations of numerical values. Select one of four different color conversion methods to perform color replacement.

[Perceptual]

Preserves the visual relationship between colors, so that colors that appear natural to the human eye.

- This method is useful when the image data includes many out-of-gamut colors that cannot be printed, and is most suitable for photographic images.

[Saturation]

Produces vivid colors in the image.

- This method is most suitable for graphics such as charts and graphs, in which bright saturated colors are important.

[Relative Colorimetric]

Compares the extreme highlights of the source color space to that of the destination color space, and converts all colors accordingly. Out-of-gamut colors are converted to the closest reproducible color in the destination color space.

- This method preserves more of the original colors in an image than [Perceptual].

[Absolute Colorimetric]

Preserves the colors that are inside the gamut, and clips those that are outside the gamut.

- This method is particularly useful for previewing how paper color affects printed colors.

Max Drops

You can manually set the maximum number of drops for the ink.



- When [Max Drops] is set to [Auto], the number of drops is automatically configured based on the paper type. Normally, use [Auto].

[Advanced] Tab

For more information on each setting item, see "[Advanced] Tab" (p.118) in "Printing".

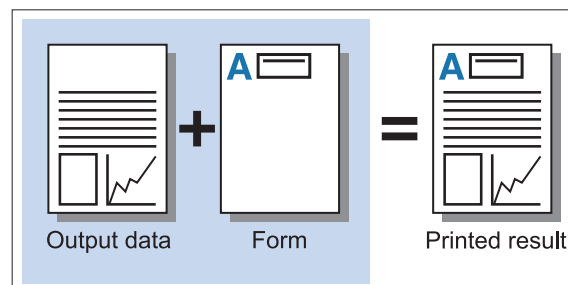


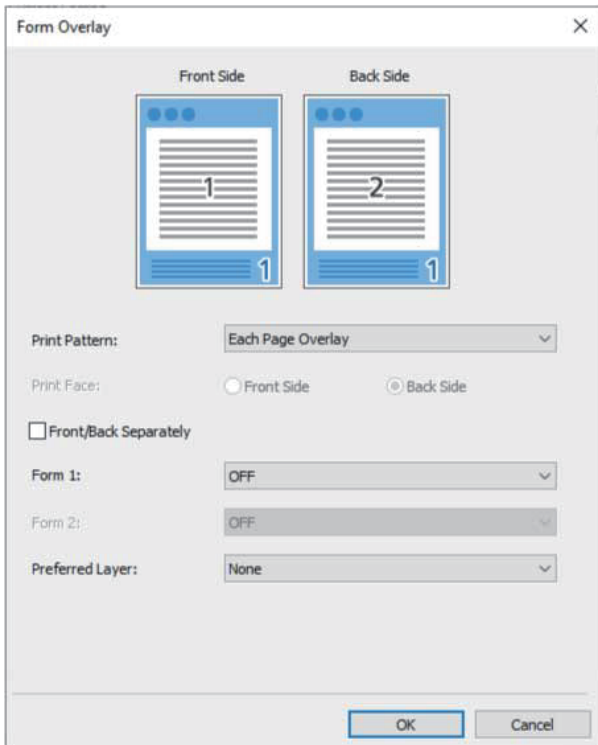
- The [Program] and [Blank Page Detection] settings are not available with the PostScript printer driver.
- [Color Profile] is not displayed on the [Version] screen of the PostScript printer driver.

Form Overlay

You can select a form that has been registered to the machine, and overlay it on the output data for printing.

Select the [Form Overlay] check box and click [Details] to display the [Form Overlay] dialog box. Configure the settings for overlaying the form.





[Print Pattern]

Specify whether to print the form on the same side as the output data.

[Print Face]

When [Alternating Overlay (Long Edge)]/[Alternating Overlay (Short Edge)] or [Each Page + Alternating Overlay (Long Edge)]/[Each Page + Alternating Overlay (Short Edge)] is selected, specify whether to print the form on the front or back.

[Front/Back Separately]

When performing duplex printing, you can specify separate forms for the front and back.



- This setting is available if [Each Page Overlay] or [Each Page + Alternating Overlay (Long Edge)]/[Each Page + Alternating Overlay (Short Edge)] is selected in [Print Pattern].

[Form 1]

Select the form to print on the front or both sides of the output data.

[Form 2]

Select the form to print on the back side of the output data.

[Preferred Layer]

When [Each Page Overlay], [Each Page + Alternating Overlay (Long Edge)], or [Each Page + Alternating Overlay (Short Edge)] is selected, specify whether to assign priority to the form or the output data.



- Before using these settings, you must first create the form data on a computer and register it in [Output] in the [Basic] tab. (p.200 "Output")
- Forms are printed based on the output data orientation, paper size, and image quality settings.
- Output data with overlaid forms cannot be saved (registered).
- You cannot use the [Form Overlay] function with the [Mixed Size Original], [Combine], [Image Repeat], [Booklet] or [Booklet Binding].

■ Print Pattern

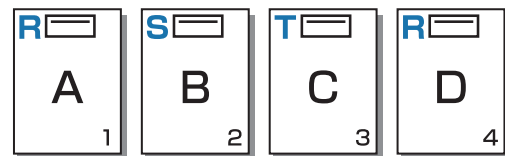
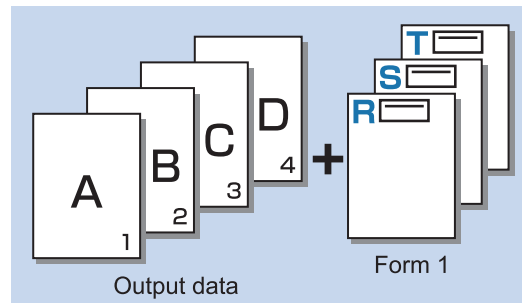
Select a form that is saved on the machine, and select which side of the paper to print it on.

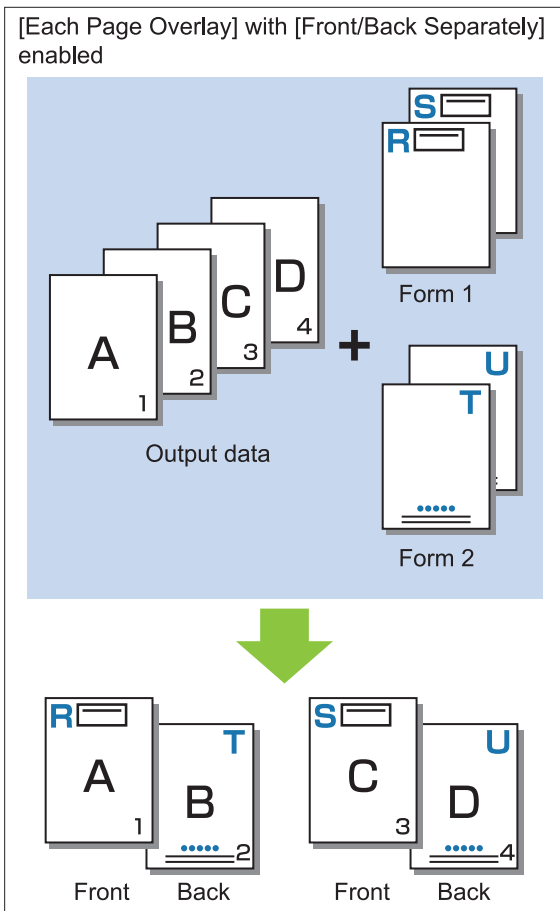
[Each Page Overlay]

Prints the form on the same side as the output data.

When performing duplex printing, select [Front/Back Separately]. When the [Front/Back Separately] check box is selected, you can select forms for [Form 1] and [Form 2] from the form list.

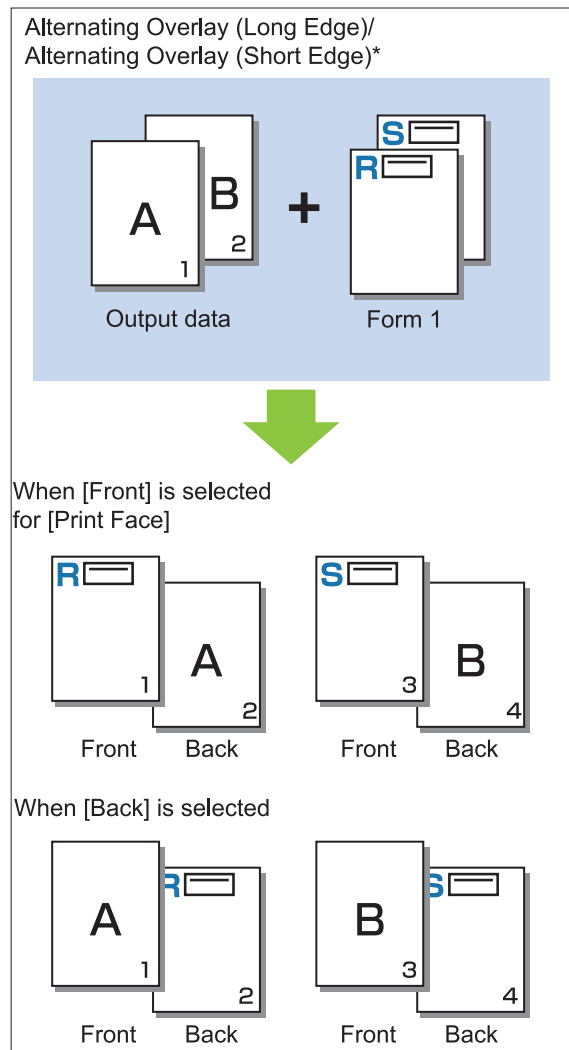
[Each Page Overlay] with [Front/Back Separately] disabled





[Alternating Overlay (Long Edge)]/[Alternating Overlay (Short Edge)]

Prints the form and output data on different sides. The form data is printed on the side specified in [Print Face]. The output data is printed as variable data on the other side.

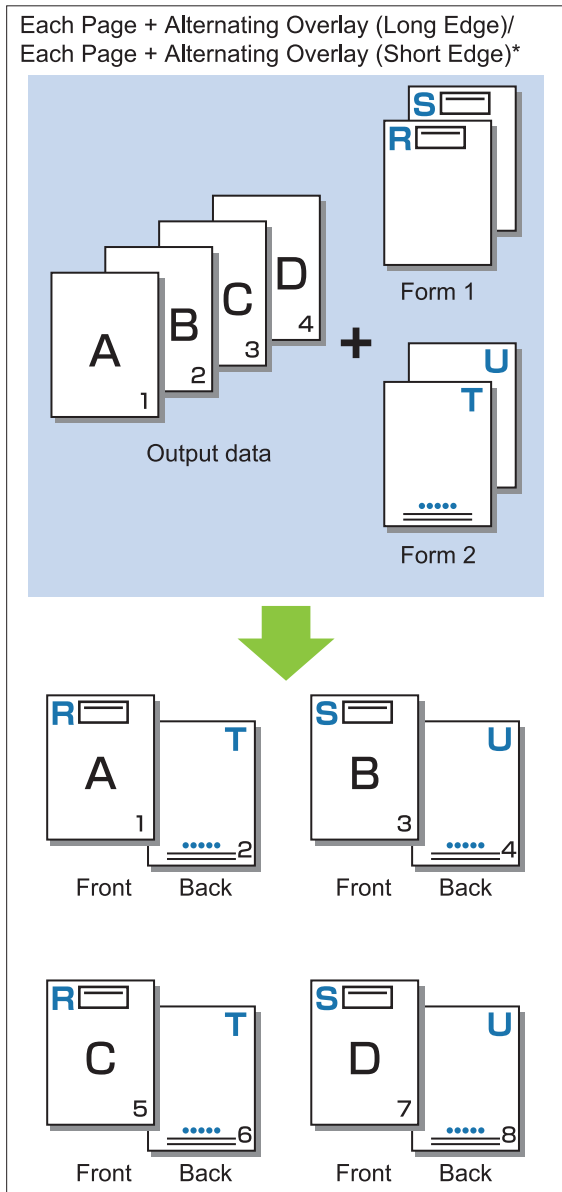


* The illustration is an example of long edge binding.

[Each Page + Alternating Overlay (Long Edge)]/[Each Page + Alternating Overlay (Short Edge)]

The form is overlaid on the output data on one side, and a different form is printed on the other side.

You can specify the separate forms in [Form 1] and [Form 2].



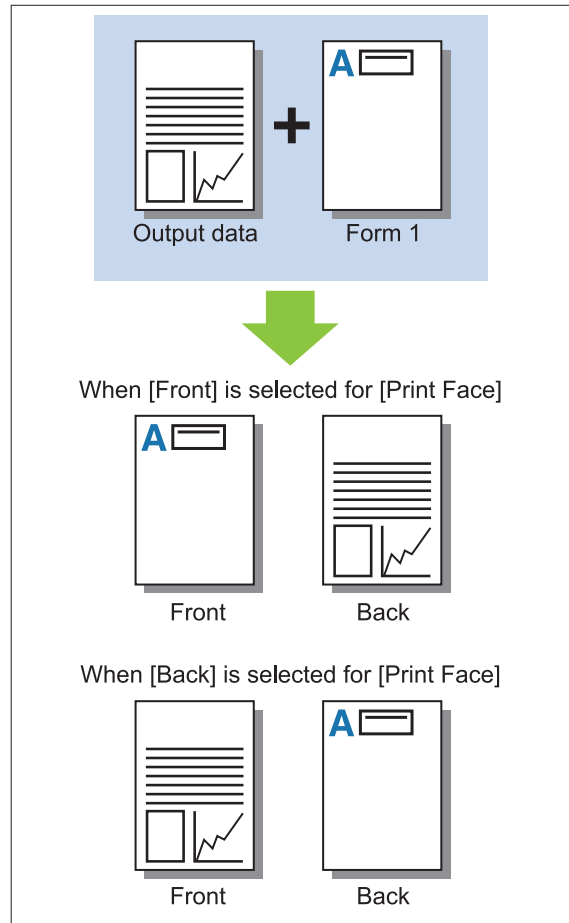
* The illustration is an example of long edge binding.



- This function is not available when [Mixed Size Original] is configured.
- This function is not available when [Combine] is configured.

■ Print Face

When [Alternating Overlay (Long Edge)]/[Alternating Overlay (Short Edge)] or [Each Page + Alternating Overlay (Long Edge)]/[Each Page + Alternating Overlay (Short Edge)] is selected in [Print Pattern], specify whether to print the form data on the front or back side of the paper.



- When [Each Page + Alternating Overlay (Long Edge)]/[Each Page + Alternating Overlay (Short Edge)] is selected, specify the side on which to print only the form.

■ Preferred Layer

When [Each Page Overlay], [Each Page + Alternating Overlay (Long Edge)], or [Each Page + Alternating Overlay (Short Edge)] is selected for [Print Pattern], specify whether to assign priority to the form data or the output data, and overlay it on the other.

[None]

The output data and the form data are overlaid.

[Document]

Priority is given to the output data (original) layer, and it is overlaid on top of the form data.

[Form]

Priority is given to the form data layer, and it is overlaid on top of the output data.



- If the image size of the priority layer is larger than that of the non-priority layer, the image of the non-priority layer may not be printed.
- If the output data and the form data overlap on the portions having the same color, it might be difficult to distinguish the image of the assimilated portions.

Reverse Order

When the check box is selected, printouts are printed in reverse order.

[Environment] Tab

For more information on each setting item, see "[Environment] Tab" (p.121) in "Printing".

RISO Console Settings

You can use the [Form Data] screen in the [Storage] menu.

[Form Data] Screen

Displays the form data that have been sent by selecting [Form] in the [Output] setting of the RISO ComColor FT PS Printer Driver.

The RISO ComColor FT PS Printer Driver is available when the PostScript kit is installed.

[Delete]

Delete the selected form data from the list.

[Details]

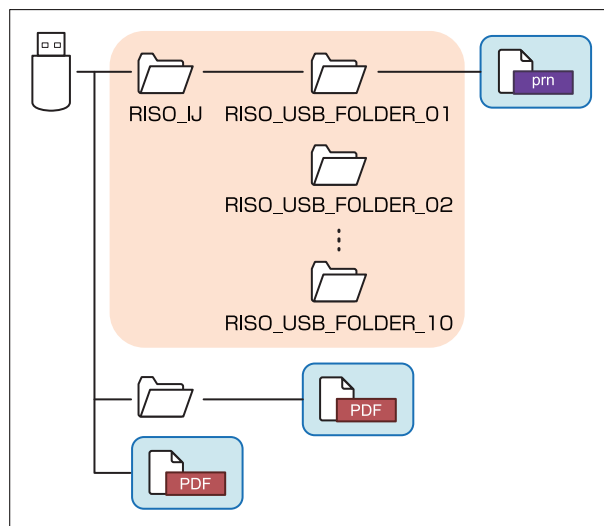
You can check the settings of the selected form data. You can also change the settings.

Printable Files in the USB Flash Drive

When the PostScript kit is installed, you can not only use the printer driver to save data to a USB flash as a PRN file for printing, but also can save PDF files as it is to a USB flash drive and print directly with the machine.

The files that can be used on the machine are displayed on the document list screen.

■ Example of the Folder Structure in a USB flash Drive



The files inside the blue rectangles in the above figure are displayed on the document list screen.



- Save PDF files directly to the USB flash drive without creating a folder, or save them to a folder that you created beforehand. If PDF files are saved in the "RISO_IJ" folder generated by the printer driver, you cannot use them with the machine.
- The following types of files saved on a USB flash drive cannot be used:
 - PDF files that are protected with a password
 - PDF files whose job data is broken
 - PDF files that are saved in the [RISO_IJ] folder
 - PRN files that are saved outside the [RISO_IJ] folder
 - An original that contains high resolution images or a file with a file size that exceeds the maximum capacity of the machine

List of Settings in [USB] - [Load]

You can change the print settings for PDF files.

Select a folder on the [USB] - [Load] screen and touch [Open] to display a list of all documents in that folder. When you select a document and touch [Print Setting] in the sub menu, the setting screen is displayed. The settings that can be configured on this screen are listed below.

Setting item	Description	See
Color Mode	Select color or monochrome printing.	p.59
Reproduction Size	Specify enlargement or reduction of original images before printing, if needed. [Fit to Paper] is not available.	p.59
Paper Selection	Change the paper tray, paper type, and feed control settings according to the paper used for printing.	p.59
Duplex / Simplex	Specify the sides of the paper that are printed on.	p.104
Sort	Specify the sorting method when printing multiple copies.	p.62
Print Density	Specify the print density.	p.63
Combine	Impose continuous pages onto one sheet.	p.65
Image Repeat	Impose multiple copies of the same original onto one sheet.	p.66
Booklet	Specify the imposition when creating a booklet. When the optional multifunction finisher is connected, creating the booklets with saddle stitch stapling is also available.	p.66
Stamp	Stamp the page number or date in the header or footer.	p.66
Add Cover	Specify this to add front and back covers to the front and back of the printout.	p.74
Separation	Insert slip sheets. When the optional multifunction finisher or face down finisher is connected, the offset output setting is also available.	p.74
Binding Margin	Specify the binding margin.	p.75
Staple / Punch	Specify the staple settings. (When using the optional face down finisher)	p.171
	Specify the staple and punch settings. (When using the optional multifunction finisher)	p.186
Fold *	Configure the settings for the paper folding. (When using the optional multifunction finisher with the folder unit)	p.188
Slow Printing	Decrease the printing speed. This also reduces the amount of noise produced by the machine when printing jobs.	p.76
Output Tray	Select the output tray for printouts. (When using the optional multifunction finisher)	p.189
	Select the output tray for printouts. (When using the optional stacking tray)	p.193

Setting item	Description	See
Face Up/Down	Specify whether to output printouts face up or face down to the tray. (When using the optional multifunction finisher)	p.190
	Specify whether to output printouts face up or face down to the tray. (When using the optional stacking tray)	p.194
Output Tray Relay	The output tray switches automatically when the tray that is being used becomes full. (When using the optional multifunction finisher)	p.190
	The output tray switches automatically when the tray that is being used becomes full. (When using the optional auto-control stacking tray)	p.194
Auto Image Rotation	Rotate the image 90 degrees automatically when the orientation of the original and paper do not match.	p.76

* The [Mixed Size Z-fold] function under [Fold] is not available.

Font List

The fonts you can use are listed below.

PS Fonts

■ European Fonts

AlbertusMT
AlbertusMT-Italic
AlbertusMT-Light
AntiqueOlive-Bold
AntiqueOlive-Compact
AntiqueOlive-Italic
AntiqueOlive-Roman
Apple-Chancery
Arial-BoldItalicMT
Arial-BoldMT
Arial-ItalicMT
ArialMT
AvantGarde-Book
AvantGarde-BookOblique
AvantGarde-Demi
AvantGarde-DemiOblique
Bodoni
Bodoni-Bold
Bodoni-BoldItalic
Bodoni-Italic
Bodoni-Poster
Bodoni-PosterCompressed
Bookman-Demi
Bookman-DemiItalic
Bookman-Light
Bookman-LightItalic
Carta
Chicago
Clarendon
Clarendon-Bold
Clarendon-Light
CooperBlack
CooperBlack-Italic
Copperplate-ThirtyThreeBC
Copperplate-ThirtyTwoBC
Coronet-Regular
Courier
Courier-Bold
Courier-BoldOblique
Courier-Oblique
Eurostile
Eurostile-Bold
Eurostile-BoldExtendedTwo
Eurostile-ExtendedTwo
Geneva

GillSans
GillSans-Bold
GillSans-BoldCondensed
GillSans-BoldItalic
GillSans-Condensed
GillSans-ExtraBold
GillSans-Italic
GillSans-Light
GillSans-LightItalic
Goudy
Goudy-Bold
Goudy-BoldItalic
Goudy-ExtraBold
Goudy-Italic
Helvetica
Helvetica-Bold
Helvetica-BoldOblique
Helvetica-Condensed
Helvetica-Condensed-Bold
Helvetica-Condensed-BoldObl
Helvetica-Condensed-Oblique
Helvetica-Narrow
Helvetica-Narrow-Bold
Helvetica-Narrow-BoldOblique
Helvetica-Narrow-Oblique
Helvetica-Oblique
HoeflerText-Black
HoeflerText-BlackItalic
HoeflerText-Italic
HoeflerText-Ornaments
HoeflerText-Regular
JoannaMT
JoannaMT-Bold
JoannaMT-BoldItalic
JoannaMT-Italic
LetterGothic
LetterGothic-Bold
LetterGothic-BoldSlanted
LetterGothic-Slanted
LubalinGraph-Book
LubalinGraph-BookOblique
LubalinGraph-Demi
LubalinGraph-DemiOblique
Marigold
Monaco
MonaLisa-Recut
NewCenturySchlbk-Bold
NewCenturySchlbk-BoldItalic
NewCenturySchlbk-Italic
NewCenturySchlbk-Roman
NewYork
Optima
Optima-Bold
Optima-BoldItalic
Optima-Italic
Oxford
Palatino-Bold
Palatino-BoldItalic

Palatino-Italic
 Palatino-Roman
 StempelGaramond-Bold
 StempelGaramond-BoldItalic
 StempelGaramond-Italic
 StempelGaramond-Roman
 Symbol
 Tekton
 Times-Bold
 Times-BoldItalic
 Times-Italic
 Times-Roman
 TimesNewRomanPS-BoldItalicMT
 TimesNewRomanPS-BoldMT
 TimesNewRomanPS-ItalicMT
 TimesNewRomanPSMT
 Univers
 Univers-Bold
 Univers-BoldExt
 Univers-BoldExtObl
 Univers-BoldOblique
 Univers-Condensed
 Univers-CondensedBold
 Univers-CondensedBoldOblique
 Univers-CondensedOblique
 Univers-Extended
 Univers-ExtendedObl
 Univers-Light
 Univers-LightOblique
 Univers-Oblique
 Wingdings
 ZapfChancery-MediumItalic
 ZapfDingbats

■ Japanese Fonts

IPA Mincho
 IPA Gothic

■ PCL Fonts

Albertus Extra Bold
 Albertus Medium
 Antique Olive
 Antique Olive Bold
 Antique Olive Italic
 Arial
 Arial Bold
 Arial Bold Italic
 Arial Italic
 AvantGarde-Book
 AvantGarde-BookOblique
 AvantGarde-Demi
 AvantGarde-DemiOblique
 Bookman-Demi
 Bookman-DemiItalic
 Bookman-Light

Bookman-LightItalic
 Calibri
 Calibri Bold
 Calibri Bold Italic
 Calibri Italic
 Cambria
 Cambria Bold
 Cambria Bold Italic
 Cambria Italic
 CG Omega
 CG Omega Bold
 CG Omega Bold Italic
 CG Omega Italic
 CG Times
 CG Times Bold
 CG Times Bold Italic
 CG Times Italic
 Clarendon Condensed Bold
 Coronet
 Courier
 CourierPS
 Courier Bold
 Courier Bold Italic
 Courier Italic
 CourierPS-Bold
 CourierPS-BoldOblique
 CourierPS-Oblique
 Garamond Antiqua
 Garamond Halbfett
 Garamond Kursiv
 Garamond Kursiv Halbfett
 Helvetica
 Helvetica-Bold
 Helvetica-BoldOblique
 Helvetica-Narrow
 Helvetica-Narrow-Bold
 Helvetica-Narrow-BoldOblique
 Helvetica-Narrow-Oblique
 Helvetica-Oblique
 Letter Gothic
 Letter Gothic Bold
 Letter Gothic Italic
 Marigold
 NewCenturySchlbk-Bold
 NewCenturySchlbk-BoldItalic
 NewCenturySchlbk-Italic
 NewCenturySchlbk-Roman
 Palatino-Bold
 Palatino-BoldItalic
 Palatino-Italic
 Palatino-Roman
 Symbol
 Symbol IPS
 Times New Roman
 Times New Roman Bold
 Times New Roman Bold Italic
 Times New Roman Italic
 Times-Bold

Times-BoldItalic
 Times-Italic
 Times-Roman
 Univers Bold
 Univers Bold Italic
 Univers Condensed Bold
 Univers Condensed Bold Italic
 Univers Condensed Medium
 Univers Condensed Medium Italic
 Univers Medium
 Univers Medium Italic
 Wingdings
 ZapfChancery-MediumItalic
 ZapfDingbats

Printing From Your Tablet or Smartphone

You can directly print PDF documents saved on a mobile device such as your tablet or smartphone by using the RISO PRINT-S application. In addition, you can also configure each setting such as duplex printing, imposition, punching, and stapling.



- It is available when the PostScript kit is installed.
- Make sure that wireless LAN (Wi-Fi) has been connected beforehand. For more information on how to connect or set wireless LAN (Wi-Fi), see the instruction manual for your wireless LAN.
- Available functions vary depending on your printer or optional equipment connected.
- You can not directly open PDF document from RISO PRINT-S. Before enabling RISO PRINT-S, you need to view the PDF document from the other application. For more information, see the help guide for RISO PRINT-S.

Supported OS	iOS*1, Android
Supported language	Japanese, English, French
Data available for printing	PDF*2 Versions 1.3, 1.4, 1.5, 1.6, 1.7*3

*1 Printing from iBooks is not supported.

*2 The encryption PDF is not supported.

*3 Expanded functions are not available.

Installing the Application

Install RISO PRINT-S from App Store or Google Play.

Appendix

This chapter describes how to replace ink cartridges and includes information about machine specifications, consumables, as well as an index.

About Ink Cartridges

p.214

This section describes how to replace ink cartridges.

Specifications

p.215

This section describes the specifications of the ComColor FT Series and optional equipment.

Consumables

p.227

This section describes the specifications of ink cartridges and spare staples.

Index

p.228



About Ink Cartridges

Ink Cartridge Replacement

When ink runs out, the ink replacement message is displayed and printing stops. You cannot print if the message shows that even one color needs to be replaced. Replace the cartridge of the color shown.

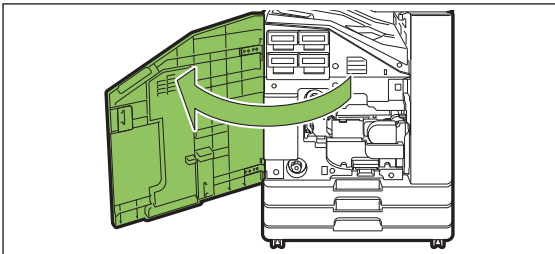


- Do not remove the ink cartridge until the ink replacement message is displayed.



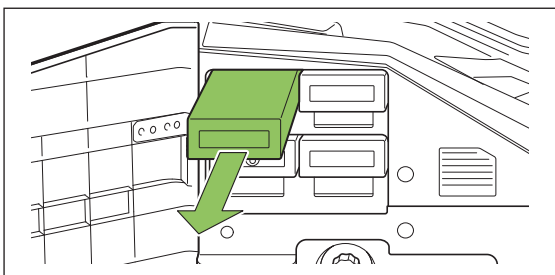
- When the remaining amount of ink is low, the remaining ink indicator on the touch panel screen flashes. Prepare a new ink cartridge for the color that flashes.

1 Open the front cover.



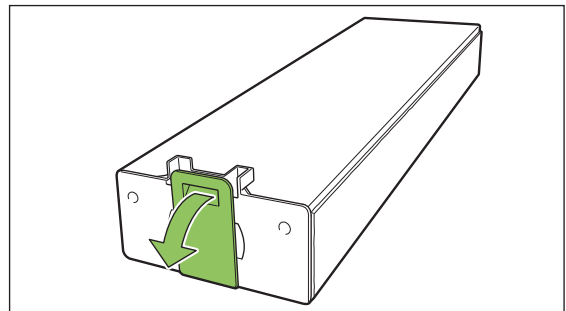
2 Remove the ink cartridge identified as empty.

Confirm the color of the ink cartridge.



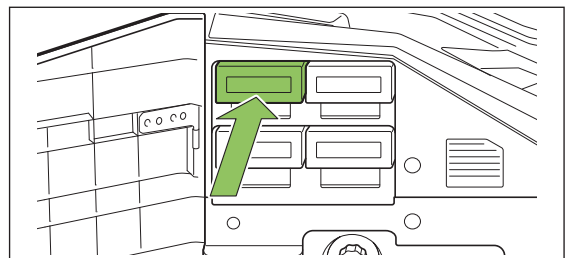
3 Remove the cap of the new ink cartridge.

Affix the removed cap on the old ink cartridge.

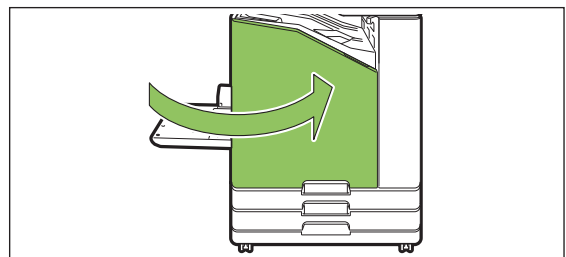


4 Insert the new ink cartridge.

Position the ink cartridge so that the ▲ mark faces upward, and insert it until it stops.



5 Close the front cover.



Specifications

■ ComColor FT5430/FT5430R/FT5230/FT5230R/FT2430 and ComColor black FT1430/ FT1430R Specifications

Basic Functions and Print Functions

Model Name		ComColor FT5430/FT5430R: 67A01 ComColor FT5230/FT5230R: 67A03 ComColor FT2430: 67A06 ComColor black FT1430/FT1430R: 67A07	
Type		Console	
Color Support		ComColor FT5430/FT5430R/FT5230/FT5230R: 4 colors (Cyan, Magenta, Yellow, Black) ComColor FT2430: Dual-color (Red, Black) ComColor black FT1430/FT1430R: Single color (Black)	
Print Type		Line-type inkjet system	
Ink Type		ComColor FT5430/FT5430R/FT5230/FT5230R: Oil-based pigment ink (Cyan, Magenta, Yellow, Black) ComColor FT2430: Oil-based pigment ink (Red, Black) ComColor black FT1430/FT1430R: Oil-based pigment ink (Black)	
Resolution		ComColor FT5430/FT5430R/FT5230/FT5230R/FT2430: Standard: 300 dpi (main scanning direction) × 300 dpi (sub-scanning direction) Fine: 300 dpi (main scanning direction) × 600 dpi (sub-scanning direction) ComColor black FT1430/FT1430R: Standard: 600 dpi (main scanning direction) × 600 dpi (sub-scanning direction)	
Number of Gray Levels		ComColor FT5430/FT5430R/FT5230/FT5230R: For each CMYK color (11 gray levels) ComColor FT2430: For each RK color (11 gray levels) ComColor black FT1430/FT1430R: For K color (3 gray levels)	
Data Processing Resolution		ComColor FT5430/FT5430R/FT5230/FT5230R/FT2430: Standard: 300 dpi × 300 dpi Fine: 600 dpi × 600 dpi Line smoothing: 600 dpi × 600 dpi ComColor black FT1430/FT1430R: Standard: 600 dpi × 600 dpi	
Warm-up Time		2 min. 30 sec. or less (at room temperature of 23°C (73.4°F))	
First Print Time*1		5 sec. or less (A4-LEF)	
Continuous Print Speed*2 *6	ComColor FT5430/ FT5430R/ FT2430/ ComColor black FT1430/ FT1430R	A4-LEF*8	Simplex: 140 ppm Duplex: 70 sheets/minute
		Letter-LEF	Simplex: 140 ppm Duplex: 70 sheets/minute
		A4	Simplex: 108 ppm Duplex: 54 sheets/minute
		Letter	Simplex: 108 ppm Duplex: 54 sheets/minute
		JIS-B4	Simplex: 90 ppm Duplex: 42 sheets/minute
		A3	Simplex: 79 ppm Duplex: 39 sheets/minute
		Ledger	Simplex: 77 ppm Duplex: 38 sheets/minute

Continuous Print Speed* ² * ⁶	ComColor FT5230/ FT5230R	A4-LEF* ⁸	Simplex: 120 ppm Duplex: 60 sheets/minute
		Letter-LEF	Simplex: 120 ppm Duplex: 60 sheets/minute
		A4	Simplex: 90 ppm Duplex: 45 sheets/minute
		Letter	Simplex: 90 ppm Duplex: 45 sheets/minute
		JIS-B4	Simplex: 76 ppm Duplex: 34 sheets/minute
		A3	Simplex: 66 ppm Duplex: 32 sheets/minute
		Ledger	Simplex: 65 ppm Duplex: 32 sheets/minute
Paper size	Standard tray	Maximum: 340 mm × 550 mm* ⁹ (13 3/8" × 21 5/8") Minimum: 90 mm × 148 mm (3 9/16" × 5 27/32")	
	Feed Tray	Maximum: 297 mm × 432 mm (11 11/16" × 17") Minimum: 182 mm × 182 mm (7 3/16" × 7 3/16")	
Printable Area		Maximum: 310 mm × 544 mm (12 3/16" × 21 13/32")	
Guaranteed Print Area* ³		Standard: Margin width of 5 mm (7/32") Maximum: Margin width of 3 mm (1/8")	
Paper Weight	Standard tray	46 g/m ² to 210 g/m ² (12-lb bond - 56-lb bond)* ¹⁰ (plain paper)	
	Feed Tray	52 g/m ² to 104 g/m ² (14-lb bond - 28-lb bond)* ¹⁰ (plain paper)	
Paper Tray Capacity	Standard Tray	Height up to 110 mm (4 5/16")	
	Feed Tray	Height up to 56 mm (2 3/16") (2 trays)	
Output Tray Capacity		Height up to 56 mm (2 3/16")	
PDL (Page Description Language)		RISORINC/C IV	
Supported Protocols		TCP/IP, HTTP, HTTPS (TLS), DHCP, ftp, lpr, IPP, SNMP (SNMP v1), Port 9100 (RAW port), IPv4, IPv6, IPSec (IKEv1)	
Network Interface		Ethernet 1000BASE-T/100BASE-TX/10BASE-T×2 Channel	
Memory Capacity		4 GB	
Hard Disk* ⁵	Capacity	500 GB	
	Available Space	Approx. 430 GB	
Operating System		Linux	
Power Source		AC 100-240 V, 10.0-5.0 A, 50-60 Hz	
Power Consumption	Max. 1,000 W		
	Ready* ⁴ ComColor FT5430/FT5430R/FT5230/FT5230R: 95 W or less ComColor FT2430: 80 W or less ComColor black FT1430/FT1430R: 80 W or less		
	Sleep* ⁷ : 2 W or less		
	Stand-by: 0.4 W or less		
Operating Noise		ComColor FT5430/FT5430R/FT2430: 65 dB (A) or less at printing* ComColor black FT1430/FT1430R: 65 dB (A) or less at printing* ComColor FT5230/FT5230R: 62 dB (A) or less at printing* * A4-LEF (Simplex) at the maximum print speed / Plain paper (64 g/m ² (17-lb bond))	

A-weighted Sound Power Level*11	ComColor FT5430/FT5430R/FT2430 and ComColor black FT1430/ FT1430R: Max. 79 dB A4-LEF (Simplex) Monochrome/Color: 140 ppm ComColor FT5230/FT5230R: Max. 78 dB A4-LEF (Simplex) Monochrome/Color: 120 ppm
Operating Environment	Temperature: 15°C to 30°C (59°F to 86°F) Humidity: 40% to 70% RH (non-condensing)
Dimensions (W × D × H)	In use: 1,030 mm × 735 mm × 1,115 mm (40 19/32" × 28 15/16" × 43 29/32") With cover and tray closed: 775 mm × 710 mm × 970 mm (30 17/32" × 27 15/16" × 38 7/32")
Weight	ComColor FT5430/FT5430R: Approx. 137 kg (302 lb) ComColor FT5230/FT5230R: Approx. 136 kg (299 lb) ComColor FT2430: Approx. 132 kg (291 lb) ComColor black FT1430/FT1430R: Approx. 132 kg (291 lb)
Safety Information	Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.
Dimensions When Operating (W × D × H)	With the front cover open and the operation panel in the upright position: 1,185 mm × 1,225 mm × 1,115 mm (46 21/32" × 48 7/32" × 43 29/32")

*1 Within 10 minutes after the last print job

*2 When using plain paper and recycled paper (85 g/m² (23-lb bond)), and standard density setting
Chart used: Print measurement pattern [Color measurement sample 2 (JEITA standard pattern J6)]

*3 The guaranteed area when printing images is the area enclosed within 5 mm (7/32") of the edges of the paper.
The margin when printing envelopes is 10 mm (3/8").

*4 Without printing and temperature adjustment operation

*5 One gigabyte (GB) is calculated as 1 billion bytes.

*6 The continuous print speed varies depending on the type of optional output equipment connected.

Face down finisher:

Without offset:

140 sheets/minute (A4-LEF Simplex) (ComColor FT5430/FT5430R/FT2430)

140 sheets/minute (A4-LEF Simplex) (ComColor black FT1430/FT1430R)

120 sheets/minute (A4-LEF Simplex) (ComColor FT5230/FT5230R)

Offset output:

115 sheets/minute (A4-LEF Simplex) (ComColor FT5430/FT5430R/FT2430)

115 sheets/minute (A4-LEF Simplex) (ComColor black FT1430/FT1430R)

105 sheets/minute (A4-LEF Simplex) (ComColor FT5230/FT5230R)

*7 When setting [Power Consumption (in sleep)] to [Low].

*8 LEF stands for Long edge feed.

*9 When using duplex print: 340 mm × 460 mm (13 3/8" × 18 1/8")

*10 Duplex printing is not guaranteed with thick paper the weight of which is greater than 104 g/m².

*11 When using plain paper (64 g/m² (17-lb bond))

RAL-UZ205 Noise Emissions while printing

■ ComColor FT5231 / FT5231R Specifications

Basic Functions and Print Functions

Model Name	ComColor FT5231/FT5231R: 67A04
Type	Console
Color Support	4 colors (Cyan, Magenta, Yellow, Black)
Print Type	Line-type inkjet system
Ink Type	Oil-based pigment ink (Cyan, Magenta, Yellow, Black)

Resolution		Standard: 300 dpi (main scanning direction) × 300 dpi (sub-scanning direction) Fine: 300 dpi (main scanning direction) × 600 dpi (sub-scanning direction)
Number of Gray Levels		For each CMYK color (11 gray levels)
Data Processing Resolution		Standard: 300 dpi × 300 dpi Fine: 600 dpi × 600 dpi Line smoothing: 600 dpi × 600 dpi
Warm-up Time		2 min. 30 sec. or less (at room temperature of 23°C (73.4°F))
First Print Time ^{*1}		5 sec. or less (A4-LEF)
Continuous Print Speed ^{*2 *6}	A4-LEF	Simplex: 120 ppm Duplex: 60 sheets/minute
	A4	Simplex: 90 ppm Duplex: 45 sheets/minute
	JIS-B4	Simplex: 76 ppm Duplex: 34 sheets/minute
	A3	Simplex: 66 ppm Duplex: 32 sheets/minute
Paper size	Standard Tray	Maximum: 340 mm × 550 mm (13 3/8" × 21 5/8") ^{*9} Minimum: 90 mm × 148 mm (3 9/16" × 5 27/32")
Printable Area		Maximum: 310 mm × 544 mm (12 3/16" × 21 13/32")
Guaranteed Print Area ^{*3}		Standard: Margin width of 5 mm (7/32") Maximum: Margin width of 3 mm (1/8")
Paper Weight	Standard Tray	46 g/m ² to 210 g/m ² ^{*10} (12-lb bond - 56-lb bond) (plain paper)
Paper Tray Capacity	Standard Tray	Height up to 110 mm (4 5/16")
Output Tray Capacity		Height up to 56 mm (2 3/16")
PDL (Page Description Language)		RISORINC/C IV
Supported Protocols		TCP/IP, HTTP, HTTPS (TLS), DHCP, ftp, lpr, IPP, SNMP (SNMP v1), Port 9100 (RAW port), IPv4, IPv6, IPsec (IKEv1)
Network Interface		Ethernet 1000BASE-T/100BASE-TX/10BASE-T × 2 Channel
Memory Capacity		4 GB
Hard Disk ^{*5}	Capacity	500 GB
	Available Space	Approx. 430 GB
Operating System		Linux
Power Source		AC 100-240 V, 10.0-5.0 A, 50-60 Hz
Power Consumption		Max. 1,000 W
		Ready ^{*4} : 95 W or less
		Sleep ^{*7} : 2 W or less
		Stand-by: 0.4 W or less
Operating Noise		62 dB (A) or less at printing [*] [*] A4-LEF (Simplex) at the maximum print speed / Plain paper (64 g/m ² (17-lb bond))
A-weighted Sound Power Level ^{*11}		Max. 78 dB A4-LEF (Simplex) Monochrome/Color: 120 ppm
Operating Environment		Temperature: 15°C to 30°C (59°F to 86°F) Humidity: 40% to 70% RH (non-condensing)

Dimensions (W × D × H)	In use: 1,030 mm × 735 mm × 1,115 mm (40 19/32" × 28 15/16" × 43 29/32") With cover and tray closed: 775 mm × 710 mm × 970 mm (30 17/32" × 27 15/16" × 38 7/32")
Weight	Approx. 124 kg (273 lb)
Safety Information	Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.
Dimensions When Operating (W × D × H)	With the front cover open and the operation panel in the upright position: 1,185 mm × 1,225 mm × 1,115 mm (46 21/32" × 48 7/32" × 43 29/32")

*1 Within 10 minutes after the last print job

*2 When using plain paper and recycled paper (85 g/m² (23-lb bond)), and standard density setting
Chart used: Print measurement pattern [Color measurement sample 2 (JEITA standard pattern J6)]

*3 The guaranteed area when printing images is the area enclosed within 5 mm (7/32") of the edges of the paper.
The margin when printing envelopes is 10 mm (3/8").

*4 Without printing and temperature adjustment operation

*5 One gigabyte (GB) is calculated as 1 billion bytes.

*6 The continuous print speed varies depending on the type of optional output equipment connected.

Face down finisher:

Without offset: 120 sheets/minute (A4-LEF Simplex)

Offset output: 105 sheets/minute (A4-LEF Simplex)

*7 When setting [Power Consumption (in sleep)] to [Low].

*8 LEF stands for Long edge feed.

*9 When using duplex print: 340 mm × 460 mm (13 3/8" × 18 1/8")

*10 Duplex printing is not guaranteed with thick paper the weight of which is greater than 104 g/m².

*11 When using plain paper (64 g/m² (17-lb bond))

RAL-UZ205 Noise Emissions while printing

■ ComColor FT5000/FT5000R Specifications

Basic Functions and Print Functions

Model Name	ComColor FT5000/FT5000R: 67A05	
Type	Console	
Color Support	4 colors (Cyan, Magenta, Yellow, Black)	
Print Type	Line-type inkjet system	
Ink Type	Oil-based pigment ink (Cyan, Magenta, Yellow, Black)	
Resolution	Standard: 300 dpi (main scanning direction) × 300 dpi (sub-scanning direction) Fine: 300 dpi (main scanning direction) × 600 dpi (sub-scanning direction)	
Number of Gray Levels	For each CMYK color (11 gray levels)	
Data Processing Resolution	Standard: 300 dpi × 300 dpi Fine: 600 dpi × 600 dpi Line smoothing: 600 dpi × 600 dpi	
Warm-up Time	2 min. 30 sec. or less (at room temperature of 23°C (73.4°F))	
First Print Time*1	5 sec. or less (A4)	
Continuous Print Speed*2 *6	A4	Simplex: 100 ppm Duplex: 50 sheets/minute

Paper size	Standard Tray	Maximum: 340 mm × 550 mm (13 3/8" × 21 5/8")* ⁸ Minimum: 90 mm × 148 mm (3 9/16" × 5 27/32")
	Feed Tray	Maximum: 297 mm × 432 mm (11 11/16" × 17") Minimum: 182 mm × 182 mm (7 3/16" × 7 3/16")
Printable Area		Maximum: 210 mm × 544 mm (8 1/4" × 21 13/32")
Guaranteed Print Area* ³		Standard: Margin width of 5 mm (7/32") Maximum: Margin width of 3 mm (1/8")
Paper Weight	Standard Tray	46 g/m ² to 210 g/m ² * ⁹ (12-lb bond - 56-lb bond) (plain paper)
	Feed Tray	52 g/m ² to 104 g/m ² * ⁹ (14-lb bond - 28-lb bond) (plain paper)
Paper Tray Capacity	Standard Tray	Height up to 110 mm (4 5/16")
	Feed Tray	Height up to 56 mm (2 3/16") (2 trays)
Output Tray Capacity		Height up to 56 mm (2 3/16")
PDL (Page Description Language)		RISORINC/C IV
Supported Protocols		TCP/IP, HTTP, HTTPs (TLS), DHCP, ftp, lpr, IPP, SNMP (SNMP v1), Port 9100 (RAW port), IPv4, IPv6, IPSec (IKEv1)
Network Interface		Ethernet 1000BASE-T/100BASE-TX/10BASE-T×2 Channel
Memory Capacity		4 GB
Hard Disk* ⁵	Capacity	500 GB
	Available Space	Approx. 430 GB
Operating System		Linux
Power Source		AC 100-240 V, 10.0-5.0 A, 50-60 Hz
Power Consumption	Max. 1,000 W	
	Ready* ⁴ : 95 W or less	
	Sleep* ⁷ : 2 W or less	
	Stand-by: 0.4 W or less	
Operating Noise		Max. 64 dB (A) A4 (Simplex) at the maximum print speed
A-weighted Sound Power Level* ¹⁰		Max. 77 dB A4 (Simplex) Monochrome/Color: 100 ppm
Operating Environment		Temperature: 15°C to 30°C (59°F to 86°F) Humidity: 40% to 70% RH (non-condensing)
Dimensions (W × D × H)		In use: 1,030 mm × 735 mm × 1,115 mm (40 19/32" × 28 15/16" × 43 29/32") With cover and tray closed: 775 mm × 710 mm × 970 mm (30 17/32" × 27 15/16" × 38 7/32")
Weight		Approx. 135 kg (297 lb)
Safety Information		Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

Dimensions When Operating (W × D × H)	With the front cover open and the operation panel in the upright position: 1,185 mm × 1,225 mm × 1,115 mm (46 21/32" × 48 7/32" × 43 29/32")
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- *1 Within 10 minutes after the last print job
- *2 When using plain paper and recycled paper (85 g/m² (23-lb bond)), and standard density setting
Chart used: Print measurement pattern [Color measurement sample 2 (JEITA standard pattern J6)]
- *3 The guaranteed area when printing images is the area enclosed within 5 mm (7/32") of the edges of the paper.
The margin when printing envelopes is 10 mm (3/8").
- *4 Without printing and temperature adjustment operation
- *5 One gigabyte (GB) is calculated as 1 billion bytes.
- *6 The continuous print speed varies depending on the type of optional output equipment connected.
Face down finisher:
Without offset: 100 sheets/minute (A4 Simplex)
Offset output: 82 sheets/minute (A4 Simplex)
- *7 When setting [Power Consumption (in sleep)] to [Low].
- *8 When using duplex print: 340 mm × 460 mm (13 3/8" × 18 1/8")
- *9 Duplex printing is not guaranteed with thick paper the weight of which is greater than 104 g/m².
- *10 When using plain paper (64 g/m² (17-lb bond))
RAL-UZ205 Noise Emissions while printing

■ Scanner HS7000 (Optional)

Copy Functions and Scan Functions

Type		Flat Bed Scanner with Automatic Document Feeder (ADF)
Scanning Modes		Copy mode: Color, Monochrome, Auto, Cyan, Magenta Scan mode: Color, Monochrome, Auto, Grayscale
Maximum Scanning Area		303 mm × 432 mm (11 15/16" × 17") (when using platen glass) 295 mm × 430 mm (11 5/8" × 16 15/16") (when using ADF)
Copy Functions	Writing Resolution	Standard: 300 dpi × 300 dpi Fine: 300 dpi × 600 dpi
	Copy Paper Size	Maximum: 303 mm × 432 mm (11 15/16" × 17") (equivalent to A3)
	First Copy Time	Monochrome/Color: 7 sec or less (when copying A4-LEF/Letter-LEF orientation using Color Priority Mode)
	Scanning Speed	Simplex copying (A4-LEF/Letter-LEF, using ADF): 70 ppm or higher Duplex copying (A4-LEF/Letter-LEF, using ADF): 70 ppm or higher
	Reproduction Size	50% to 200% (Copy mode)
Auto Document Feeder (ADF)	Type	Original source displacement (capable of scanning both sides of a document by simultaneous duplex scanning)
	Original Size	Maximum: 297 mm × 432 mm (11 11/16" × 17") Minimum: 100 mm × 148 mm (3 15/16" × 5 27/32")
	Paper Weight	52 g/m ² (14-lb bond) to 128 g/m ² (34-lb bond)
	Original Capacity	80 g/m ² (21-lb bond): Max. 200 sheets Height up to 25 mm (1")

Scan Functions	Scanning Gray Levels	10-bit input and 8-bit output for each RGB color
	Scanning Resolution	600dpi, 400dpi, 300dpi, 200dpi
	Scanning Speed	Monochrome/Color: 100 ppm * RISO KAGAKU standard original (A4-LEF), 300 dpi, JPEG, PDF, when stored to main unit hard drive
	Network Interface ^{*1}	Ethernet 1000BASE-T, 100BASE-TX, 10BASE-T
	Data-saving Method ^{*1}	Save to main unit hard drive, server, or USB flash drive, or send by e-mail
	Data-saving Format ^{*1}	Monochrome: TIFF, PDF, PDF/A Grayscale/Full Color: TIFF, JPEG, PDF, PDF/A
Power Source		AC 100-240 V, 1.2-0.6 A, 50-60 Hz
Power Consumption		Max. 100 W
Dimensions (W × D × H)		640 mm × 560 mm × 255 mm (25 3/16" × 22 1/16" × 10 1/32")
Weight		Approx. 25 kg (55 lb)
Safety Information		Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.
Dimensions When Operating (when connected to main unit) (W × D × H)		In use: 1,065 mm × 830 mm × 1,260 mm (41 15/16" × 32 21/32" × 49 5/8") With the front cover open and the operation panel in the upright position: 1,185 mm × 1,325 mm × 1,635 mm (46 21/32" × 52 3/16" × 64 3/8")

*1 Via the internal host controller

■ Face Down Finisher F10 (Optional)

Type	1-Shift Output Tray System With Staple Function
Applicable Paper Size	Without offset: Maximum: 340 mm × 550 mm (13 3/8" × 21 5/8") Minimum: 90 mm × 148 mm (3 9/16" × 5 27/32")
	Offset Output Regular sized paper width: 182 mm × 257 mm (7 3/16" × 10 1/8") - 297 mm × 431.8 mm (11 11/16" × 17") Irregular sized paper width: 131 mm × 148 mm - 305 mm × 550 mm (5 3/16" × 5 27/32" - 12" × 21 5/8")
Paper Weight	46 g/m ² to 210 g/m ² (12-lb bond - 56-lb bond) (plain paper, recycled paper, postcards)
Tray Capacity	Height up to 108 mm (4 1/4") A3, B4, A4, A4-LEF, B5, B5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K, 16K-LEF
Maximum Number of Sheets for Stapling	50 sheets ^{*1} A4, A4-LEF, JIS-B5, JIS-B5-LEF, Letter, Letter-LEF, 16K, 16K-LEF 25 sheets ^{*1} A3, JIS-B4, Ledger, Legal, Foolscap, 8K
Applicable Paper Size for Staple	A3, JIS-B4, A4, A4-LEF, JIS-B5, JIS-B5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K, 16K-LEF

Paper Weight for Staple	52 g/m ² to 210 g/m ² (14-lb bond - 56-lb bond) (plain paper, recycled paper)
Staple Position	1 at front side (angle stapling) / 1 at rear side (angle stapling) 2 at center (parallel stapling)
Power Source	AC 100-240 V, 1.1-0.5 A, 50-60 Hz
Power Consumption	Max. 100 W
Dimensions (W × D × H)	635 mm × 695 mm × 580 mm (25" × 27 3/8" × 22 13/16")
Weight	Approx. 35 kg (77 lb)
Safety Information	Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.
Dimensions When Operating (when Connected to main unit) (W × D × H)	In use: 1,270 mm × 725 mm × 1,315 mm (50" × 28 9/16" × 51 25/32") With cover open: 1,420 mm × 1,220 mm × 1,315 mm (55 29/32" × 48 1/16" × 51 25/32")

*1 When using plain paper and recycled paper (85 g/m² (23-lb bond))

■ Multifunction Finisher FG20 (Optional)

Type	External Paper Finishing Unit	
Tray Type	Top tray, stacking tray, booklet tray	
Finishing Functions	Offset output, staple, punch, booklet binding, bi-fold	
Usable Paper Size of Fold	Top Tray	Maximum: 330 mm × 488 mm (13" × 19 3/16")* ⁹ Minimum: 100 mm × 148 mm (3 15/16" × 5 27/32")
	Stacking Tray	Maximum: 330 mm × 488 mm (13" × 19 3/16")* ⁹ Minimum: 148 mm × 148 mm (5 27/32" × 5 27/32")
	Stapling	Maximum: 297 mm × 432 mm (11 11/16" × 17") (equivalent to A3) Minimum: 182 mm × 148 mm (7 3/16" × 5 27/32")
	Booklet Tray	Maximum: 330 mm × 460 mm (13" × 18 1/8") Minimum: 182 mm × 257 mm (7 3/16" × 10 1/8")
Paper Weight	Top Tray	52 g/m ² to 210 g/m ² (14-lb bond - 56-lb bond)
	Stacking Tray	52 g/m ² to 210 g/m ² (14-lb bond - 56-lb bond)
	Booklet Tray	60 g/m ² to 90 g/m ² (16-lb bond - 24-lb bond) (Paper weight for cover pages: 90 g/m ² to 210 g/m ² (24-lb bond - 56-lb bond))
Tray Capacity	Top Tray	Height up to 50 mm (1 15/16")
	Stacking Tray	Height up to 200 mm (7 7/8")
	Booklet Tray	Height up to 50 mm (1 15/16")

Output Speed	Maximum Output Speed	140 sheets/minute ^{*6} (ComColor FT5430/FT5430R/FT2430) 140 sheets/minute ^{*6} (ComColor black FT1430/FT1430R) 120 sheets/minute ^{*6} (ComColor FT5230/FT5230R/FT5231/FT5231R)
	Stapling Output	70 sheets/minute ^{*7} (ComColor FT5430/FT5430R/FT2430) 70 sheets/minute ^{*7} (ComColor black FT1430/FT1430R) 60 sheets/minute ^{*7} (ComColor FT5230/FT5230R/FT5231/FT5231R)
	Offset Output	70 sheets/minute ^{*7} (ComColor FT5430/FT5430R/FT2430) 70 sheets/minute ^{*7} (ComColor black FT1430/FT1430R) 60 sheets/minute ^{*7} (ComColor FT5230/FT5230R/FT5231/FT5231R)
	Booklet Output	2 books/minute ^{*8}
Stapling	Maximum Number of Sheets for Stapling	100 sheets ^{*2 *3}
	Usable Paper Size	Maximum: 297 mm × 432 mm (11 11/16" × 17") (equivalent to A3) Minimum: 182 mm × 148 mm (7 3/16" × 5 27/32")
	Paper Weight	52 g/m ² to 210 g/m ² (14-lb bond - 56-lb bond) (plain paper, recycled paper)
	Staple Position	1 at front side (angle stapling/parallel stapling) 1 at rear side (angle stapling /parallel stapling), 2 at center (parallel stapling)
Punching ^{*10}	Number of Punches	2 holes, 3 holes 2 holes, 4 holes
	Usable Paper Size	2 holes: A3, B4, A4-LEF, A4, B5-LEF, Ledger, Legal, Letter, Letter-LEF, Foolscap, 8K, 16K-LEF 3 holes: A3, B4, A4-LEF, B5-LEF, Ledger, Letter-LEF, 8K, 16K-LEF 4 holes: A3, A4-LEF, Ledger, Letter-LEF, 8K, 16K-LEF
	Paper Weight	52 g/m ² to 210 g/m ² (14-lb bond - 56-lb bond)
Creating a Booklet (Center margin/2-fold)	Maximum Number of Sheets ^{*2 *5}	Center margin: 20 sheets (80 pages) 2-fold: 5 sheets (20 pages)
Dimensions (W × D × H) ^{*1}		1,205 mm × 735 mm × 1,215 mm (47 7/16" × 28 15/16" × 47 27/32")
Weight ^{*1 *11}		Approx. 140 kg (308 lb)
Power Source		AC 100-240 V, 50-60 Hz, 2.3-1.1 A ^{*12}
Power Consumption ^{*13}		Max. 230 W
Operating Noise		68 dB (A) or less (when using the multifunction finisher)
Safety Information		Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

Dimensions When Operating (when Connected to main unit) (W × D × H)	With folder unit	In use: 2,485 mm x 735 mm x 1,215 mm (97 13/16" × 28 15/16" × 47 13/16")
		With cover, and tray extended: 2,485 mm x 1,325 mm x 1,215 mm (97 13/16" × 52 5/32" × 47 13/16")
	Without folder unit	In use: 2,245 mm x 735 mm x 1,215 mm (88 3/8" × 28 15/16" × 47 13/16")
		With cover, and tray extended: 2,245 mm x 1,325 mm x 1,215 mm (88 3/8" × 52 5/32" × 47 13/16")

- *1 Includes the transfer unit.
- *2 When using plain paper and recycled paper (85 g/m² (23-lb bond))
- *3 65 sheets for a paper size exceeding A4/Letter or for a paper both the width and length of which exceed 216 mm (8 1/2")
- *4 Rear-side angle stapling is only available for A4-LEF and A3.
- *5 Includes an added cover.
- *6 A4-LEF Simplex
- *7 A4-LEF Duplex, a 10-page document
- *8 A4-SEF, a 60-page document (15 sheets)
- *9 When paper travels through the duplex transfer path of the printer, the maximum paper length is 460 mm (18 1/8").
- *10 To use the punch function, the optional punch unit is required.
- *11 Excludes the punch unit.
- *12 3.0-1.5A when connecting to the folder unit (the folder unit: 0.7-0.4A)
- *13 300 W when connecting to the folder unit (the folder unit: 70W)

■ Folder Unit FG20 (Optional Unit for Multifunction Finisher FG20)

Usable Paper Size and Paper Weight of Fold	Z-fold* ¹	Paper size: A3, JIS-B4, Ledger, 8K Paper weight: 60 g/m ² to 90 g/m ² (16-lb bond - 24-lb bond) (plain paper, recycled paper)
	Tri-fold (Outer Tri-fold/Inner Tri-fold)	Paper size: A4, Letter Paper weight: 60 g/m ² to 90 g/m ² (16-lb bond - 24-lb bond) (plain paper, recycled paper)
Tri-fold Output Tray Capacity* ²		Approx. 30 sheets
Applicable Number of Fold		1 sheet
Dimensions (W × D × H)		235 mm × 735 mm × 1,005 mm (9 1/4" × 28 15/16" × 39 9/16")
Weight		Approx. 52 kg (114 lb)

- *1 When printouts are output to the stack tray, maximum height up pages differ according to the paper size. (A3 paper: 30 pages, JIS-B4 paper: 20 pages)
- *2 When using plain paper and recycled paper (85 g/m² (23-lb bond))

■ Additional 2000 Sheet Feeder FG20 (Optional)

Type	External Paper Tray Unit
Usable Paper Size	A4-LEF, B5-LEF, Letter-LEF, 16K-LEF
Paper Weight	52 g/m ² to 104 g/m ² (14-lb bond - 28-lb bond) (plain paper, recycled paper)
Tray Capacity	Height up to 220 mm (8 21/32") A4, B5, Letter, 16K
Power Source	Power supplied from the main unit
Dimensions (W × D × H)	415 mm × 600 mm × 390 mm (16 11/32" × 23 5/8" × 15 11/32")

Weight	Approx. 29 kg (64 lb)
Safety Information	Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.
Dimensions When Operating (when Connected to main unit) (W × D × H)	In use: 1,095 mm × 725 mm × 1,115 mm (43 1/8" × 28 9/16" × 43 29/32") With paper guide, and tray extended : 1,500 mm × 1,215 mm × 1,115 mm (59 1/16" × 47 27/32" × 43 29/32")

*1 When using IJ paper (85 g/m² (23-lb bond))

■ IC Card Authentication Kit II (Optional)

Applicable Card	ISO 14443 TypeA/TypeB/FeliCa [®] /Mifare [®]
Type	RFID system
Power Source	Power supplied from the USB port
Dimensions (W × D × H)	93 mm × 65 mm × 19 mm (3 21/32" × 2 9/16" × 3/4") (excluding protruding parts)
Weight	Approx. 90 g (3 oz)
Safety Information	Indoor type, pollution degree 2*, At altitudes of 2,000 m or lower * The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

■ PS Kit FG10 (Optional)

PS Kit FG10 is not supported in some regions.

Compatible Printers	ComColor FT Series
Type	RIP option
PDL (Page Description Language)	PostScript [®] Level3 (CPSI:3019) *1 PDF (1.7) PCL 5c, PCL 6 (PCL XL)*2 TIFF (6.0)*3
Supported Protocols	TCP/IP, HTTP, HTTPs (TLS), DHCP, ftp, lpr, IPP, SNMP (SNMP v1), Port 9100 (RAW port), IPv4, IPv6, IPsec (IKEv1)
Installed Fonts	PS: 136 Roman fonts and 2 Japanese fonts PCL: 88 Roman fonts

*1 Genuine Adobe engine

*2 RISO shall not provide any PCL printer driver. For PCL output, available functions differ from printing via PS printer driver. When you need the functions not available for PCL output, print via PS printer driver.

*3 For TIFF output, available functions differ from printing via PS printer driver.

Consumables

It is recommended that you use the consumable products listed below.
Consumable specifications and types are subject to change without notice.
For pricing information, please contact your dealer or authorized service representative.

Ink cartridges

The supported ink cartridges vary depending on the model you use.

Type	Color	Quantity	Unit
ComColor FT Ink Cartridge (UA)	Cyan Magenta Yellow Black Red	NET. 1,000 ml	1 piece
ComColor FT Ink Cartridge (E)	Cyan Magenta		
ComColor FT Ink Cartridge R (UA)	Yellow Black		

Use the ink cartridge within approximately 24 months from the date of manufacture (when preserved under room temperature).

For optimal printing quality, we recommend that you use the ink cartridge as soon as possible after purchase. You can find the date of manufacture on the ink cartridge.

Index

A

Add cover	74, 114
Adding a folder to storage	133
Adding as a favorite	79, 103
Adding paper in the standard tray	48
Adding to the address book	92
Additional copy	78
Additional tray	173
Address/destination	84
ADF original guide	30
ADF original output tray	30
ADF original unit lever	30
ADF scan & pause	63
Admin menu button	33
Admin menu screen	40
Advanced tab	118
Auto document feeder (ADF)	30
Auto image rotation	76
Auto-control stacking tray	191

B

Barcode	117
Barcode area definition	117
Base color level	70, 91
Basic tab	104
Between jobs	114
Between sorts	114
Bi-fold	183, 188
Binding	189
Binding edge	74, 113, 113, 170, 171, 181, 183, 187
Binding margin	75, 172, 187
Black	59, 89, 104
Blank page detection	120
Book shadow erasure	64, 90
Booklet	66, 109
Booklet binding	184
Booklet cover	185
Booklet tray	175

C

Canceling copying	55
Card-IJ	107
Center margin	66, 185
Change setting screen	35
Change setting screen in [Storage] - [Save]	37

Change setting screen in [USB] - [Load]	39
Changing settings during printing	97
Changing the login password	44, 151
Changing the paper tray setting	60
Changing the settings during copying	55
Check setting	79, 92
Checking the charge count	150
Checking the current status of a job	50
Checking the detailed count	150
Chroma	117
Clear key	32
Clearing defaults	80
Collated	62, 105
Color mode	59, 88, 104
Color profile	4, 107
Combine	65, 109
Common button operations	148
Common buttons	103
Consumables	227
Consumables screen	40, 149
Contrast	117
Copies	104
Copy screen	34
Copying documents saved on a USB flash drive to a folder	143
Copying documents saved on storage to a folder	135
Copying documents saved on storage to a USB flash drive	135
Custom menu	79, 92
Custom paper entry	122
Cyan	59, 104

D

Data compression	116
Data LED	31
Date	33
Deleting an address / save destination	94
Destination	107
Document list screen in [Storage] - [Load]	38
Document list screen in [Storage] - [Save]	36
Document list screen in [USB] - [Load]	39
Document name	88
Dot process	116
Double-feed check	60
Downloading scanned jobs to a computer	152
Draft	116

Duplex / simplex 62, 87, 104

E

Edit favorites 108
 Editing button order 81
 Editing favorites 79
 Editing the address book 93
 Envelope imaging 118
 Envelope printing 47
 Envelopes 26
 Environment tab 121
 Error diffusion 116
 Error LED 31
 Ethernet shielded cable 19
 External system job 124

F

Face down finisher 166
 Face down finisher socket 166
 Face up/down 190, 194
 Favorites 78
 Favorites tab 108
 Feed tray 30
 File format 89
 Finished screen 51, 155
 Fold 182, 188
 Fold direction 183
 Folder entry 123
 Folder list screen in [Storage] - [Load] 37
 Folder list screen in [Storage] - [Save] 36
 Folder unit 175
 FORCEJET link icon 33
 Form overlay 203
 Front cover 30
 Front cover release 30, 40
 Full color 59, 88, 104
 Function keys 31

G

Gamma correction 69, 91, 116
 Grayscale 89

H

Halftone 116
 HDD usage 37
 Head cleaning 40, 156
 High-quality 107
 Home key 31
 Home screen 33

I

Icon 50
 IJ paper 106
 Image control 69, 91
 Image position 70, 112
 Image quality 68, 115
 Image repeat 66, 109
 Image shift 201
 Image tab 115
 Ink cartridges 227
 Inner tri-fold 183, 188
 Installing the barcode area definition software 158
 Installing the printer driver 49
 Interrupt copy 77
 Interrupt key 31
 IP address 149

J

Jam release cover 166
 Job comment 119
 Job list 50
 Job name 119
 Job status key 31

L

Layout tab 109
 Left cover 30
 Left to right 110
 License info screen 41, 151
 Lightness 117
 Line smoothing 116
 List 108
 List of settings in [Storage] - [Load] 132
 List of settings in [Storage] - [Save] 130
 List of settings in [USB] - [Load] 141, 208
 Load screen 154
 Loading orientation of the paper 170, 181
 Loading paper 45
 Loading the next copy job 55
 Logging into the RISO Console 147
 Login 44
 Login / logout key 31
 Lower right cover 30

M

Mac address 149
 Machine info screen 40
 Machine socket 30
 Magenta 59, 104
 Main power LED 31

Main power switch	30
Main unit	29
Maintenance button	33
Maintenance menu screen	156
Maintenance screen	40
Matt coated	106
Max. capacity	24
Maximum load	25
Mixed size original	63, 90
Mixed size Z-fold	188
Mode buttons	33
Model configuration table	17
Multifunction finisher	175

N

Numeric keys	32
--------------------	----

O

Offline icon	33
Offset output	168, 171, 172, 179, 186, 190
Offset output (program)	171, 186
Online/offline	124
Operation panel	30, 31
Operations	159
Orientation	105
Original cover	29
Original orientation	61, 87, 171, 187
Original size	24, 105
Original type	24, 69, 90, 115
Original weight	24
Originals	24
Outer tri-fold	183, 188
Output and destination	107
Output tray	185, 189, 193, 193
Output tray relay	186, 190, 193
Overlay	70
Owner	119

P

Page border	68
Page split	64, 90
Paper arrangers	191
Paper feed guide lever	30
Paper feed pressure adjustment lever	29
Paper guide (end)	191
Paper guide control	194
Paper guides (side)	191
Paper guides open button	191
Paper jam indication led	175
Paper selection	59

Paper size	25, 106
Paper tray relay	76
Paper type	25, 61, 106
Paper weight	25
Performing maintenance during copying	56
PIN code	87, 119
Plain paper	25
Platen glass	29
Postcards	26
Poster	110
PostScript kit	195
Power key	32
Power-saving features	43
Precautions about originals	24
Print and pause	105
Print density	63, 115
Print menu screen	153
Print screen	35
Print surface	25
Printable area of envelopes	25
Printer driver screen	99
Printing barcode originals	164
Printing paper	25
Printing the text	68
Program	72, 119
Punch	182, 186

R

Recycled paper	25
Remaining amount of ink	33
Reproduction size	59
Reset key	31
Resolution	90
Restore default	103
Restore user settings	103
Right cover	175
Right to left	110
Rotation	112

S

Sample copy	78
Save as a file	107
Save to USB drive	107
Saving as a default	80
Scan job build	76, 91
Scan menu screen	152
Scan screen	34
Scanner	29, 29
Scanning level	62, 90
Scanning size	61, 89
Screening	116

Search documents saved on storage	134
Separating books	184, 189
Separation	74
Setting screen in [USB] - [Save]	38
Slip sheet	72, 114
Slow printing	76, 120
SNMP community name	121
Sort	62, 105
Specifying a custom paper size	106
Specifying a custom size	105
Stacking tray	29, 175
Stacking tray (auto-control stacking tray / wide stacking tray)	191
Stamp	66, 112
Stamping the date	67, 112
Stamping the page number	67, 112
Standard tray	29
Standard tray descent button	29
Standard tray paper guide	29
Staple	168, 179, 186
Staple function and loading orientation of the paper	170, 181
Start key	31
Starting the RISO console	147
Stop key	31
Stopper	45
Storage	107
Storage screen	36
Switching paper in the standard tray	48
System info button	33
System info screen	40, 149

I

Tabs	99
Text input	42
Top side left	61
Top side up	61
Top tray	175
Top/bottom	110
Touch panel	31, 41
Transfer cover	175
Transfer unit	175
Tray selection per page	201
Tri-fold output tray button	175
Tri-fold output tray capacity	175

U

Uncollated	62, 105
Unusable paper	26
Upper right cover	30
USB port	30

USB screen	38
User info screen	41, 150
User name	33

V

Version	120
View balance	41

W

Waiting job list screen	35
Wake on LAN	121
Wake up key	32
Watermark	111
Wide stacking tray	191

Z

Z-fold	183, 188
Zoom	106

Notice for European Union Member States

RISO, the environment and the Waste Electrical and Electronic Equipment Directive "WEEE Directive"

What is the WEEE Directive?

The purpose of the WEEE Directive is to reduce waste and ensure Electrical and Electronic Equipment is recycled at the end of its useful life.



What does the crossed out wheeled bin symbol mean?

The crossed out wheeled bin symbol indicates this product must be disposed of separately to normal waste. Please contact your RISO service agent for information about disposal.

What does the solid bar symbol mean?

The solid bar under the crossed out wheeled bin indicates this product was put on the market after the 13th August 2005.

Who should I contact if I want more information about the WEEE Directive?

You should contact your local RISO service agent for more information.

Notice for Republic of India

RISO complies with the e-waste (Management and Handling) Rules "e-waste Rules".

What is the "e-waste Rules"?

The purpose of the "e-waste Rule" is to reduce waste and ensure Electrical Equipment is recycled at the end of life.

RISO declares our products comply with the "India E-waste Rule" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers at or over a concentration of 0.1% by weight or at or over 0.01% by weight for cadmium, except for the exemptions set in Schedule 2 of the Rule.

You can't dispose of our used products as household waste. Used products contain many hazardous substances which may have a serious, detrimental effect on the environment and/or human health.

What does the crossed out wheeled bin symbol mean?

The crossed wheeled bin symbol indicates this product must be disposed of separately to household waste.



"e-waste Rules" shall apply to products including their components, consumables, parts and spares needed to function properly.

Who should I contact if I want more information about the "e-waste Rules"?

You should contact Riso India Pvt.Ltd.

Email: product-recycling@risoindia.com ; Tel : 0120-4721300



Please contact the following for supplies and service: