



LX-D400

COLOR LABEL PRINTER

User's Guide

4Y1-8651-010

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Before You Begin

Conventions

■ Marks



WARNING

Instructions that, if ignored, could result in death or serious personal injury caused by incorrect operation of the equipment. These must be observed for safe operation.



CAUTION

Instructions that, if ignored, could result in personal injury or material damage caused by incorrect operation of the equipment. These must be observed for safe operation.



IMPORTANT

Instructions including important information. To avoid damage and injury or improper use of the product, be sure to read these indications.



NOTE

Instructions including notes for operation and additional explanations.

■ About the Text

- The text of this manual describes an example environment using Windows 11.

Important Notices

- Copying this manual or any part of this manual without permission is strictly forbidden.
- The specifications for this printer are subject to change without prior notice.
- We have done our best to make this manual as complete and accurate as possible, and we ask you to contact your technical support. If you find any omissions or mistakes in this manual.
- We shall not be liable for any loss or damage resulting from the use of this printer or its software. By using the printer, you acknowledge and accept the foregoing disclaimer.

Trademarks and Licenses

■ Trademarks

- Canon and the Canon logo are trademarks of Canon Inc.
- Microsoft, Windows, and Windows Server are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- Other brand and product names may be trademarks or registered trademarks of their respective companies.

■ Licenses

- This product contains third-party software (including QBit Semiconductor LTD's "Quasar" and other third-party open-source software), each governed by its own license terms.
- Please review these license terms on the touchscreen of the product as instructed below.

Tap [Home screen] →  (Information) → [Third Party Software Licenses]

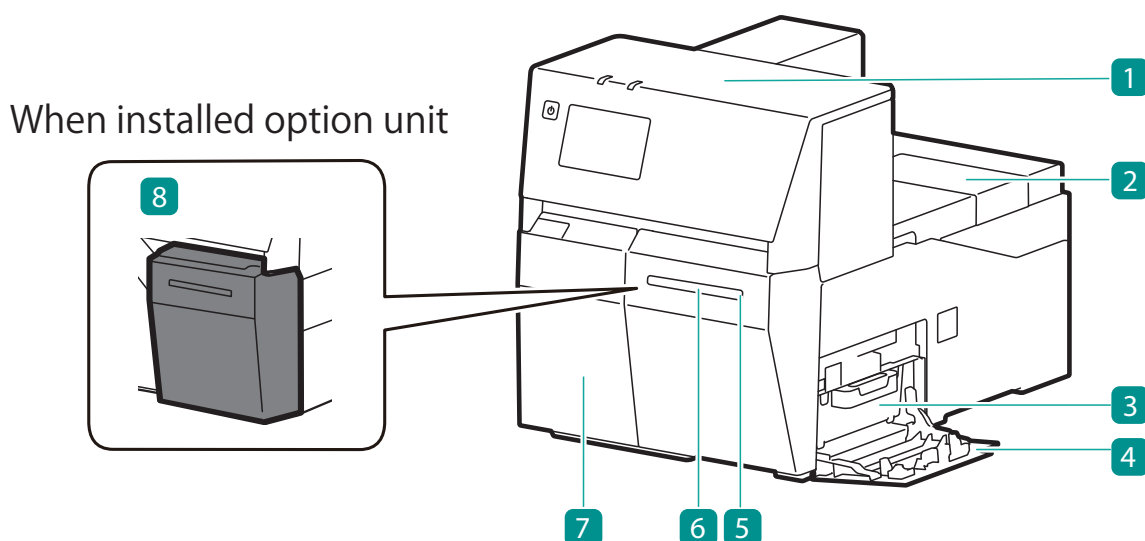
Chapter 1

Product Overview

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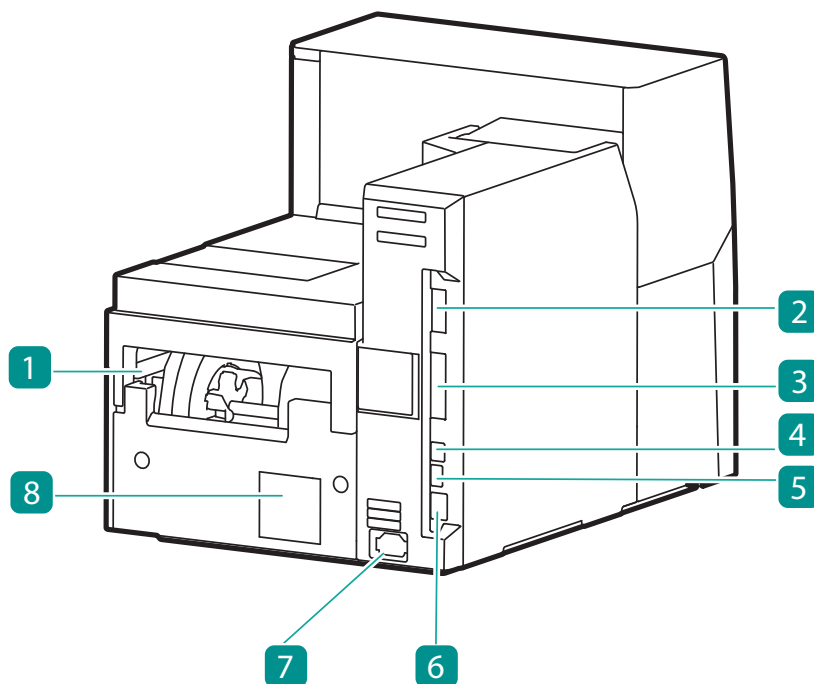
Printer Part Names and Functions

Front/Right Side View



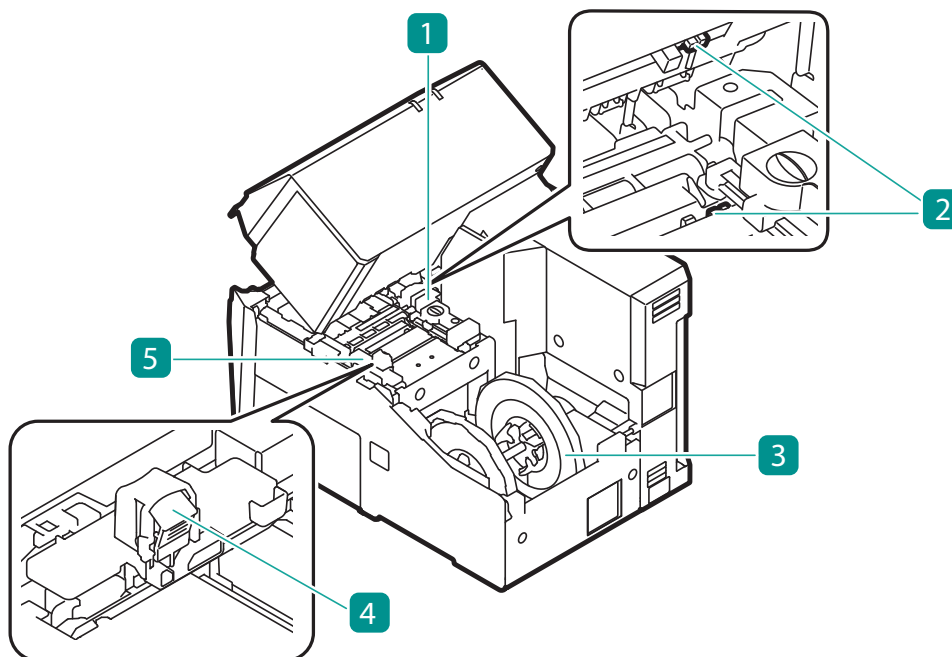
1 Upper unit	Open this unit when setting media, removing media jammed in the media feed path, or cleaning inside of the machine. The upper unit holds the printhead.
2 Roll cover	Open this cover when loading media or removing jammed media inside the printer.
3 Maintenance cartridge	Ink used to clean the printhead is collected here.
4 Maintenance cartridge cover	Open this cover when replacing the maintenance cartridge.
5 Job-actuated cutter	Automatically cuts the ejected media.
6 Ejection slot	The printed media will be ejected.
7 Ink tank cover	Open this cover when replacing the ink tank.
8 RFID unit (option)	Print on RFID-compatible media and write information. *Available optional products may differ depending on your country or region.  NOTE There is a gap between the RFID unit and the printer to prevent interference.

Left Side View



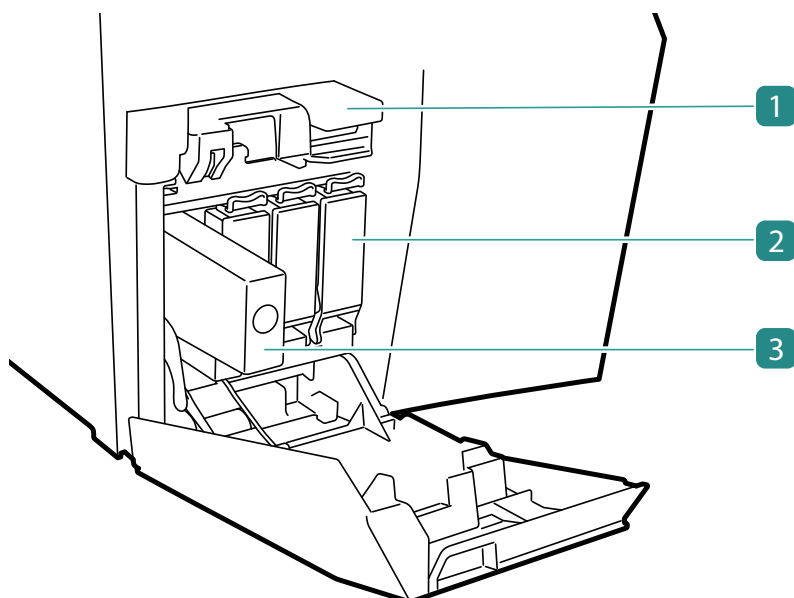
1 Rear feed slot	This slot is used to feed fanfold media.
2 RS232C connector	This is an auxiliary interface.
3 RS232C connector	This is an extended interface for connecting an external unit.
4 USB connector	Connect a USB cable here to connect to the computer.
5 USB flash drive port	Connect a USB flash drive here. This port is used to copy the printer setting and write logs or setting data to a USB flash drive.
6 LAN connector	Connect a LAN cable here to connect.
7 Power inlet	Connect the power cord here.
8 Rating plate	A serial number for identifying the printer is shown on this plate. (The serial number is required when you contact technical support or require any sort of printer repairs.)

■ Inside the Roll Cover



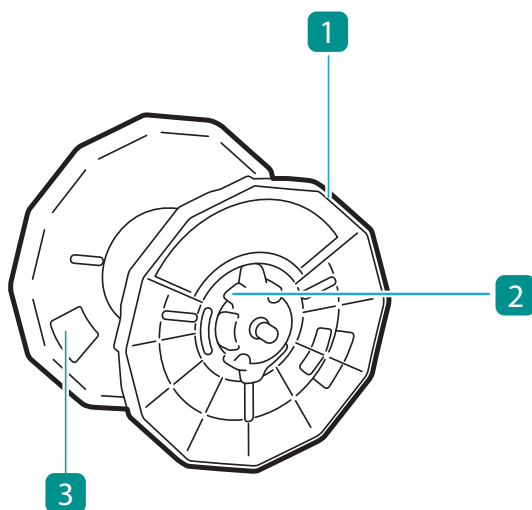
1	Transport guide (L)	This is a guide for transporting media straight.
2	Gap sensor (Upper Sensor / Lower Sensor)	This is a sensor to detect the leading edge position of the label. There are a upper and lower sensors, and detection is performed according to the shape of the label. When using special-shaped labels such as round ones, adjust the sensor positions before printing. (→ P.26)
3	Roll holder	This holder is used to set media.
4	Transport guide (R) lock	This is a lock to fix the position of the transport guide (R). Press the lock to release the transport guide (R) and move it.
5	Transport guide (R)	This guide is used to transport media straight and detect the media width. Move it according to the media width when loading media.

■ Inside Ink Tank Cover



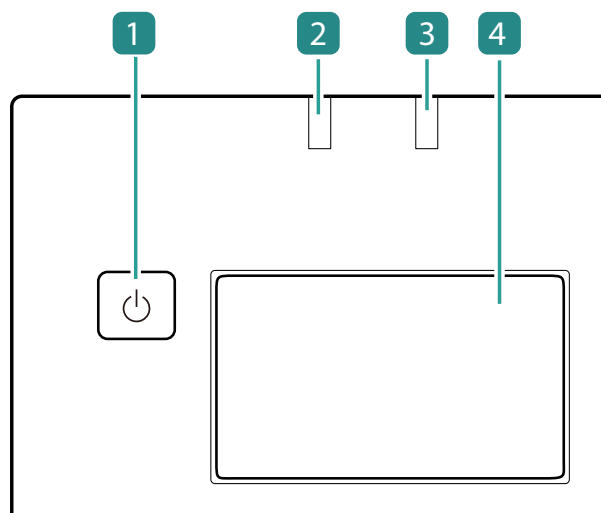
1	Upper unit open lever	Opens the upper unit.
2	Ink tank lock lever	This is a lever to protect and lock the ink tank. Open this lever when replacing the ink tank.
3	Ink tank	→ Replacing the Ink Tank (P. 246)

Roll Holder



1	Flange (R)	This flange fixes the roll media to the roll holder.
2	Flange (R) lock/release lever	Press this lever when removing or attaching the flange (R).
3	Flange (L)	This flange fixes the media to the roll holder.

Operation Panel



1 Power key	Press this key to turn the power on/off. Short press this key to put the printer to sleep mode. (→ P.11)
2 Status lamp	This is a green lamp. This lamp indicate the following states: On: The printer is online. Blinking: The printer is in operation. Slow blinking: The printer is in sleep mode. Off: The printer is powered off or offline.
3 Error lamp	This is an orange lamp. This lamp indicates the following states: On: An error has occurred. Blinking: A fatal error has occurred.
4 Touchscreen	Messages, menu items, operation status, etc. are displayed. Touch the menu items or display buttons on the screen directly with your fingertip to select them.

NOTE

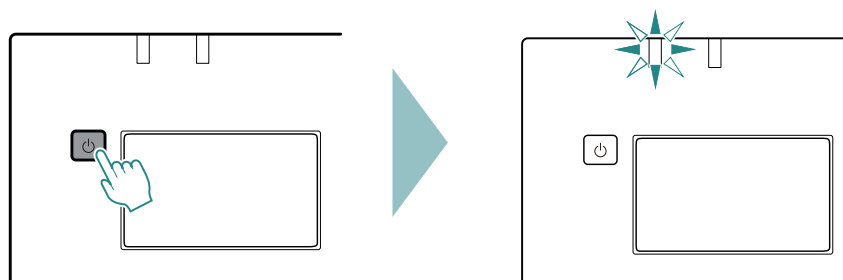
- A fatal error refers to an unrecoverable error. If it occurs, refer to **"Fatal Error (P. 322)"**.
- For how to operate the touchscreen and the screen layout, refer to **"How to Use the Touchscreen (P. 174)"**.

Turning Power On/Off

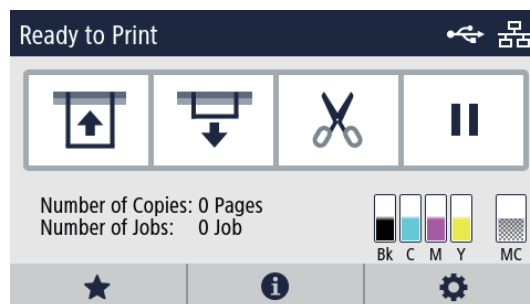
Turning the Power On

1 Press the power key to turn the printer on.

A beep sounds, the status lamp lights up, and the printer starts up.



When startup is complete, it enters standby mode.



In the following cases, the printer will not enter standby mode. Take the necessary action.

- If the upper unit is open
→ Close the upper unit.
- If the roll cover is open
→ Close the roll cover.
- If the ink tank cover is open
→ Close the ink tank cover.
- If the ink tank is not set
→ [Replacing the Ink Tank \(P. 246\)](#)
- If an error message is displayed on the touchscreen
→ Check the message on the touchscreen and take the necessary action.
- If the status lamp never lights up or nothing is displayed on the touchscreen
→ Check the power cord and outlet connection.

NOTE

- This printer is configured to automatically switch to sleep mode if a certain period of time passes without printing.

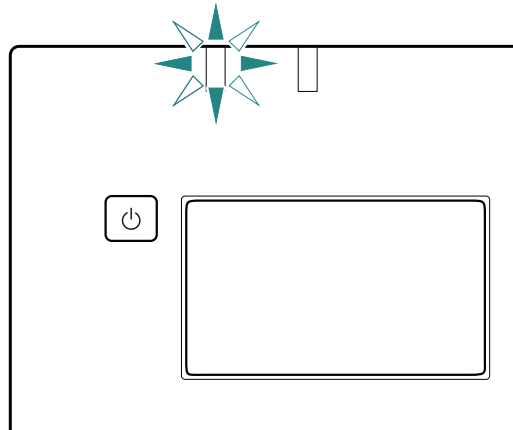
Turning the Power Off

✓ IMPORTANT

- While the printer is in operation, never turn off the power or unplug the power cord. This may cause printer malfunction or damage.

1 Check that the printer is not in operation.

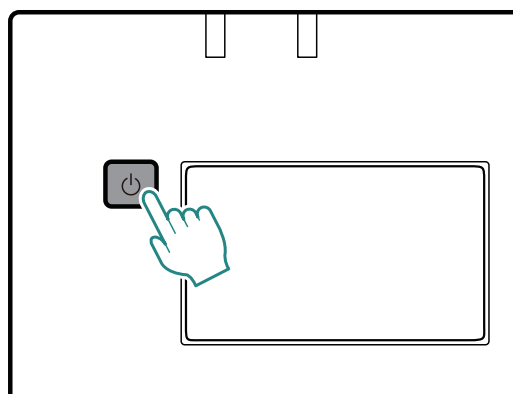
When the status lamp is blinking, the printer is in operation.



If the error lamp is blinking or turns on, check the message on the touchscreen and take the necessary action.

If the status lamp is blinking, the printer is printing or receiving data, etc. Turn off the power after the status lamp stops blinking and turns on.

2 Press and hold the power key for 1 second or more.



"Finishing..." is displayed on the touchscreen, and the power turns off.

📖 NOTE

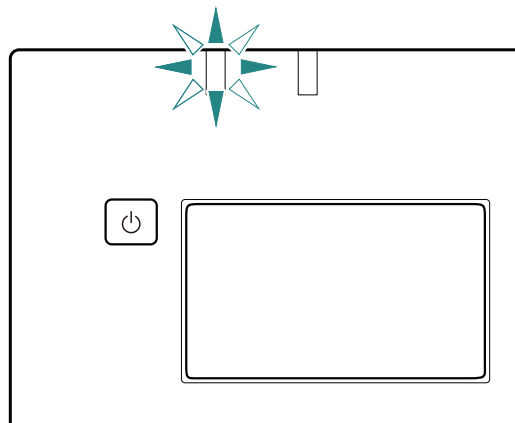
- This printer automatically turns off when it remains in sleep mode for a certain period of time.
- The time before entering sleep mode can be set as desired. For details, refer to "[Changing the Transition Time to Power off/Sleep State \(P. 201\)](#)"

Entering Sleep Mode

Switch this product to sleep mode (power saving mode).

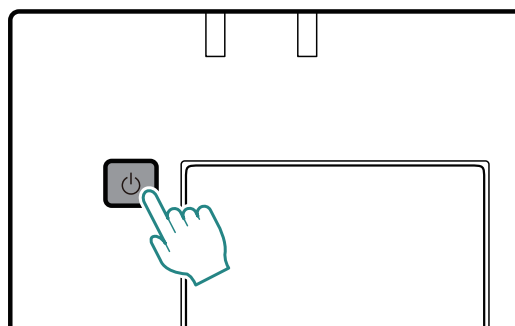
1 Check that the printer is not in operation.

When the status lamp is blinking, the printer is in operation.



If the error lamp is blinking or turns on, check the message on the touchscreen and take the necessary action.

2 Press the power key.



"Entering sleep mode..." is displayed on the touchscreen, and the printer enters sleep mode.

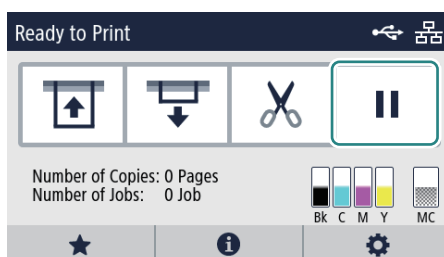
NOTE

- The printer does not enter sleep mode when the printer:
 - has an operator error
 - is printing, or paused with data to print in the queue
 - is prepared for relocation and/or transportation
 - is performing a cleaning operation
- You can also enter sleep mode using the printer driver.
→ [Entering Sleep Mode \(P. 11\)](#)

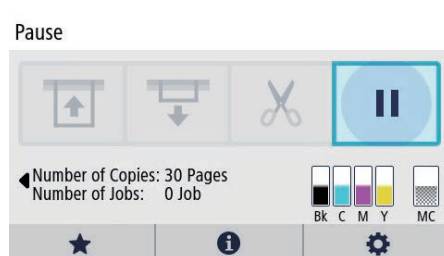
Pausing Printing

If you tap  during printing, the printer enters the pause status and temporarily stops printing. To exit pause status, tap  (Pause) again.

- 1 On the Home screen, tap  (Pause).

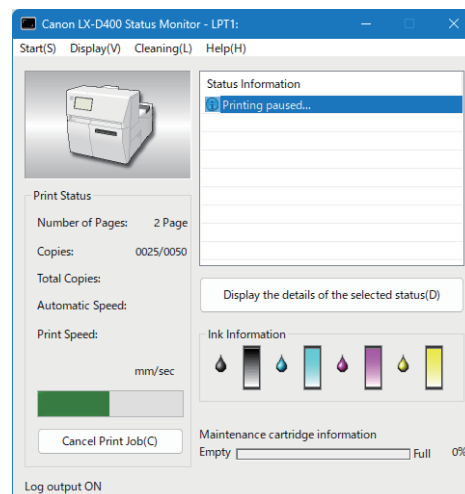


The printer status display switches to "Pause" and printing is in pause status.



NOTE

- Even in pause status, the printer will also receive print job data sent from the computer.
- If there is received data, a ◀ mark will appear on the counter display. To delete the received data, follow the steps below. Please note that you cannot select and delete individual received data.
 1. Select the ◀ mark, or swipe left on the counter display.
 2. When "Delete All Data" appears on the counter display, press  (trash can mark).
 3. When the confirmation message appears, select "Yes".All received data in the printer will be deleted.
- If printing is paused, the status monitor will display as shown on the right:



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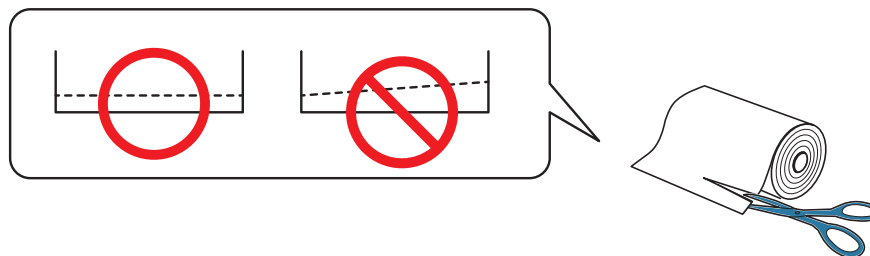
Using Roll Media

Loading Roll Media in the Printer

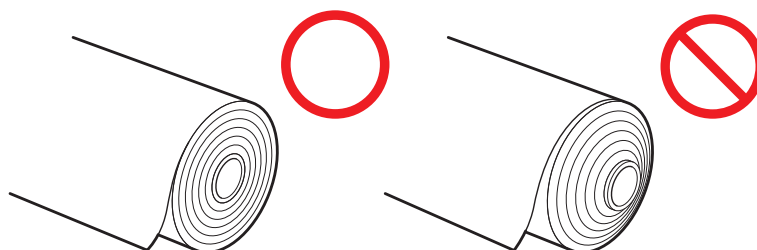
Set the roll media in the printer following the steps below.

✔ IMPORTANT

- Before loading the roll media, please ensure that the inside of the upper unit and the feeder section are clean. If dirty, it is recommended to clean them in advance.
→ [Cleaning the Inside of the Upper Unit \(P. 256\)](#)
- When handling roll media, pay attention to keep the print surface clean. If the print surface gets dirty, print quality may deteriorate.
- If the leading edge of the roll media is uneven, dirty, or has adhesive tape marks, trim it off in advance. For labels, cut at the liner section between labels. If not handled properly, it may cause media feed errors or reduced print quality.



- If the winding of the roll media is loose, tighten it before loading.
- If the media has wrinkles or curls, remove them before loading.
- Align the edge of the roll media evenly to prevent media feed errors.



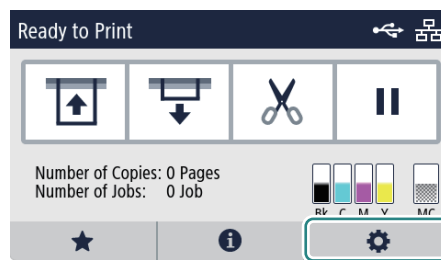
- Handle and store media with care. For details, refer to ["Supported Media \(P. 38\)"](#).

📖 NOTE

- For supported roll media sizes and types, refer to ["Supported Media \(P. 38\)"](#).
- For procedures when using fanfold media or roll media set in another device, refer to ["Loading Fanfold Media in the Printer \(P. 32\)"](#).
- After the media comes off the core, the roll holder will run idle until the printer detects "No Media Left"; this is normal behavior.

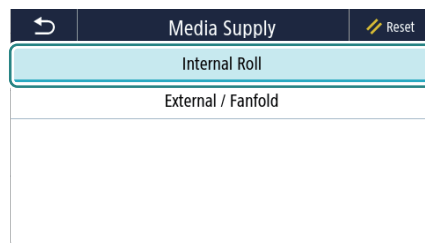
1 Tap  (Menu) on Home screen.

If the screen below is not displayed, tap  (Home).



2 Tap [Media Type Settings] → [Media Supply].

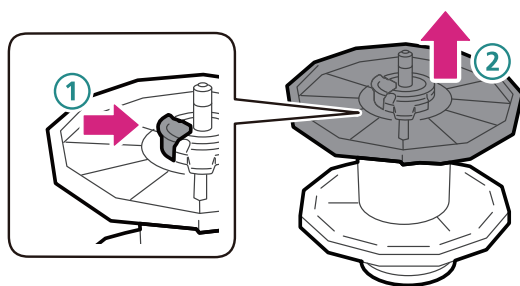
3 Select [Internal Roll].



NOTE

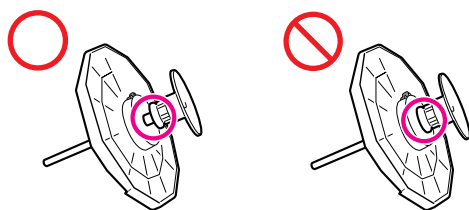
- If printing on RFID media using the RFID unit (optional), configure RFID media settings after configuring media supply settings.
→ [Loading RFID Media into the Printer \(P. 332\)](#)

4 Prepare the roll holder, and remove the flange (R) while pressing the stopper lever.

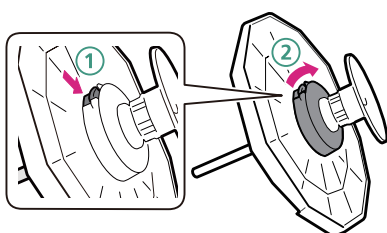


NOTE

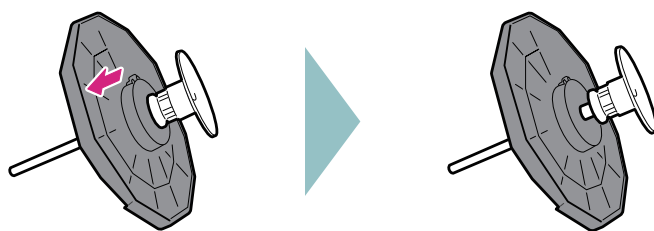
- Make sure that the flange (L) is in the appropriate position. If it is fixed in the inappropriate position, follow the steps below to fix it in the appropriate position.



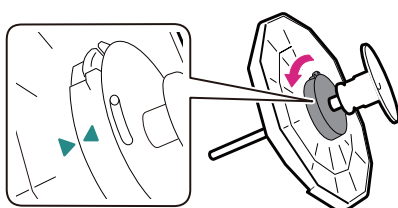
- While pressing the lock/release lever of the flange (L), turn it to right until it stops.
The flange (L) is released from its locked position.



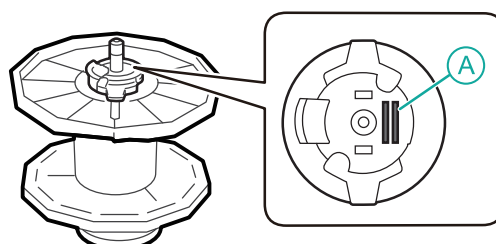
- Move the flange (L) to the direction indicated by the arrow until it stops.



- Turn the lock/release lever of the flange (L) to the left until you hear a click sound.
The flange (L) will be fixed at the appropriate position.

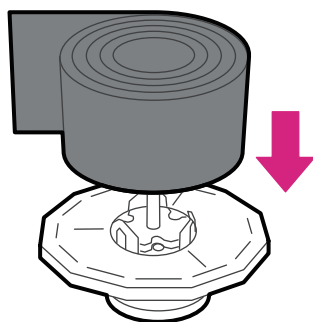


- If the roll holder is accidentally dropped or subjected to impact, the stopper lever may become caught inside preventing the flange (R) from being removed. In such a case, press the two projections (A) shown in the figure while pressing the stopper lever. This will release the mechanism and allow the flange (R) to be removed.



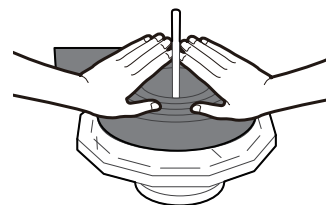
5 Set the roll media to the roll holder in the direction shown in the illustration.

Firmly insert the roll media until it contacts the flange (L) of the roll holder without any gap.



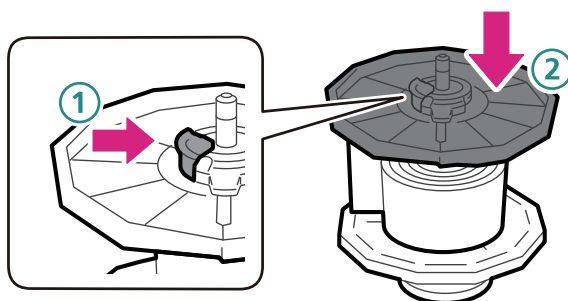
✓ IMPORTANT

- Make sure to set the roll media in the correct direction.
- **When using media with a width of 2 inches or less**
After setting the roll media, gently press the edge of the media by hand, and align it along the flange (L).
If there is a gap between the media and the flange (L), it may cause media feed errors.



6 While pressing the stopper lever, insert the flange (R) into the roll holder.

Insert the flange (R) until it contacts the roll media.

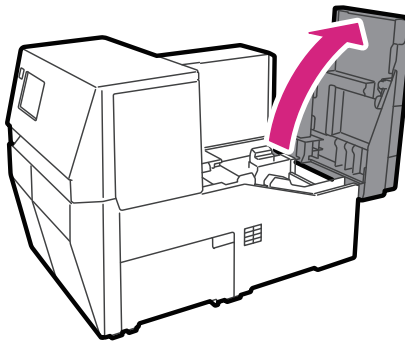


Release the finger from the stopper lever to complete the setup.

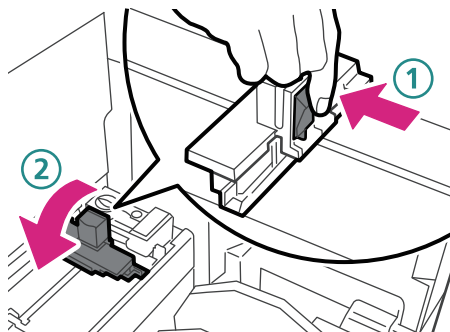
✓ IMPORTANT

- If the leading edge of the roll media is slanted or bent, it may not be fed properly. Cut the leading edge straight with a pair of scissors or similar. For labels, be sure to cut at the liner section between each label.

7 Open the roll cover.

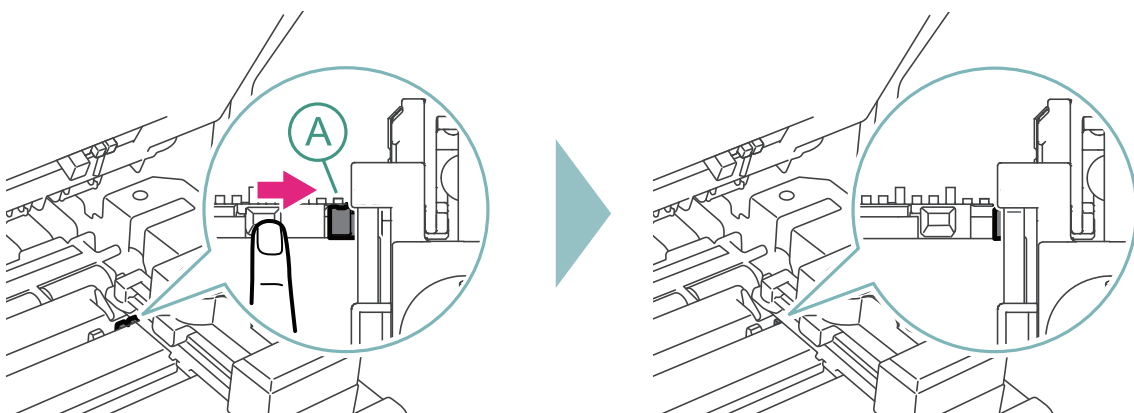


8 While pressing the unlock lever, open the transport guide (R), and move it to a position slightly wider than the media width.

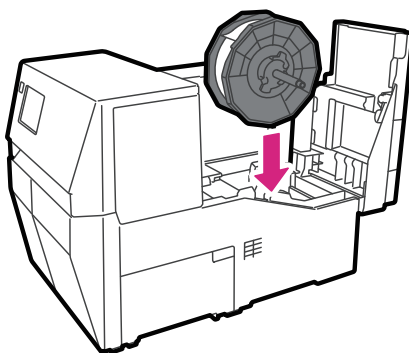


9 When loading the following media, align the gap sensor position.

- Special-shaped label
→ Using Special-shaped Labels (P. 26)
- Media with a width of 0.5" (12.7 mm) with marks
Move the gap sensor (lower sensor) from the standard position (A) in the direction of the arrow until it contacts the end.



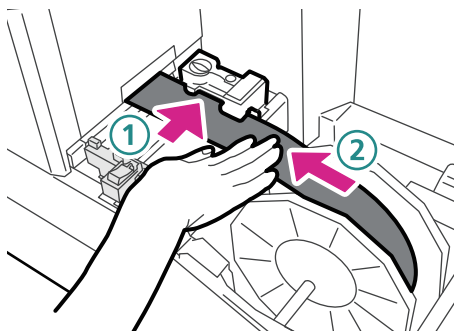
10 Set the roll holder into the printer.



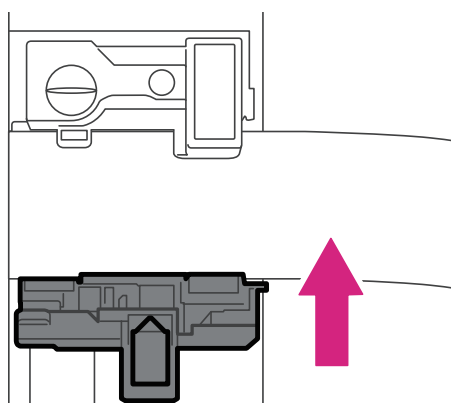
✓ IMPORTANT

- If the winding of the roll media is loose, tighten it before loading.
- If the media has wrinkles or curls, remove them before loading.

11 Align the media with the transport guide (L), and insert it until the leading edge is automatically fed in.



12 Align the transport guide (R) with the width of the edge of the media.

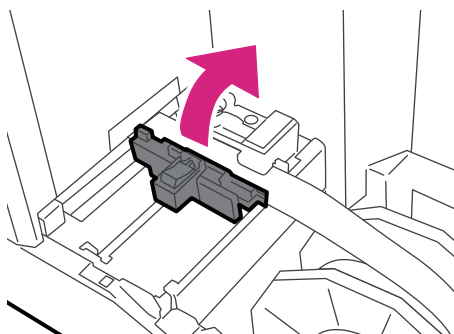


✓ IMPORTANT

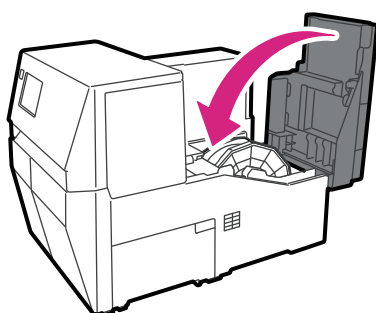
- Do not press the transport guide (R) hard against the edge of the media, as this may cause media jams.

13 Close the transport guide (R).

Close it firmly until you hear a click sound.



14 Close the roll cover.



This completes loading the roll media.

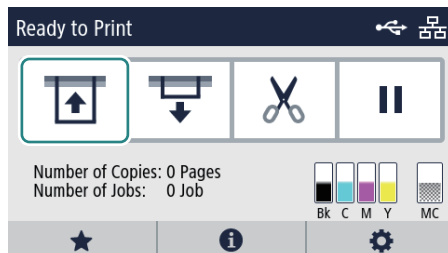
Removing the Roll Media from the Printer

This section describes the procedure to replace the roll media.

NOTE

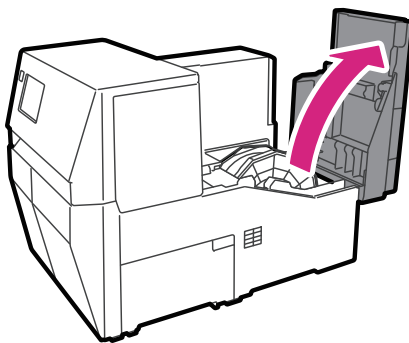
- If you need to cut the printed roll media, cut the media at a desired position.
→ [Using Roll Media \(P. 14\)](#)

- 1 Tap  (Media Backfeed) on Home screen.

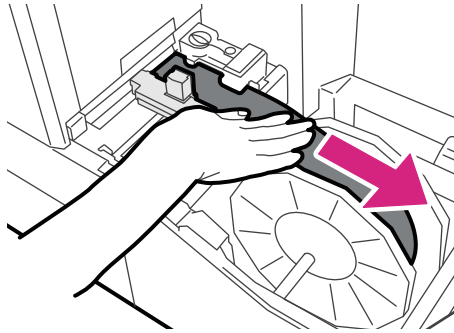


When the printer stops, proceed to Step 2.

- 2 Open the roll cover.

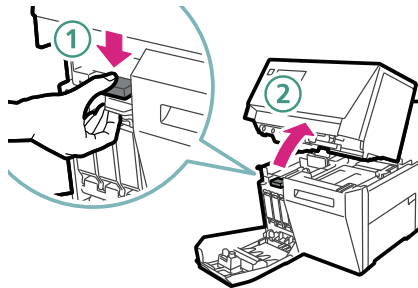


3 Pull out the media from the feeder section.



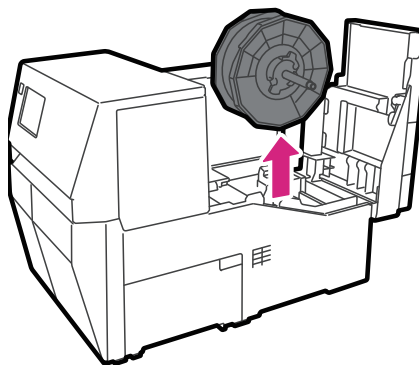
NOTE

- If the leading edge of the media cannot be pulled out, open the upper unit following the steps below.
 1. Open the ink tank cover.
 2. Press the upper unit open lever and open the upper unit.



4 Rotate the roll holder backward to wind up the roll media.

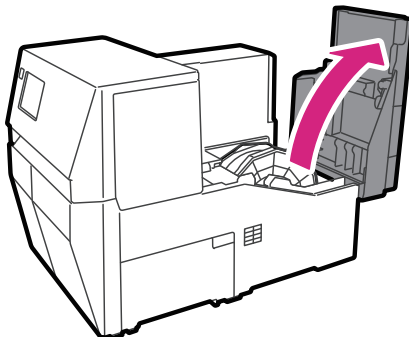
5 Remove the roll holder.



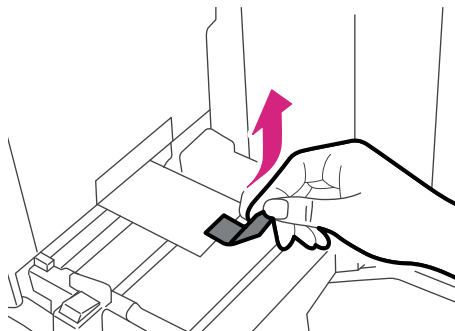
Handling the Media That Has Run Out

When the media runs out, "No Media Left" is displayed on the touchscreen and the printer stops. To continue printing, remove the media from the printer and load new media following the steps below.

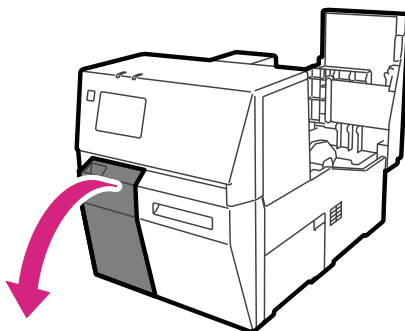
1 Open the roll cover.



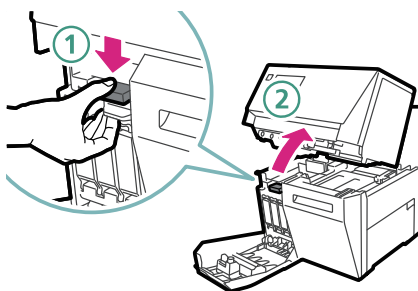
2 If there is a tape on the end of the media, remove the tape.



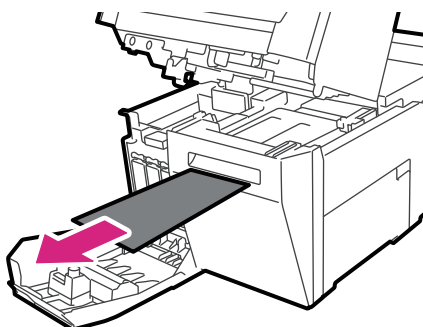
3 Open the ink tank cover.



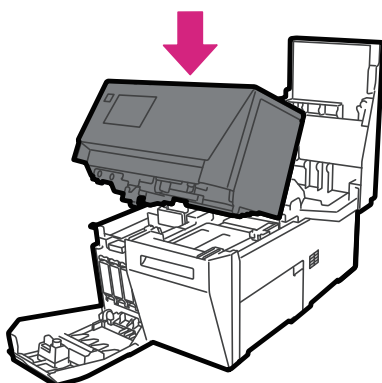
- 4** Press the upper unit open lever to open the upper unit.



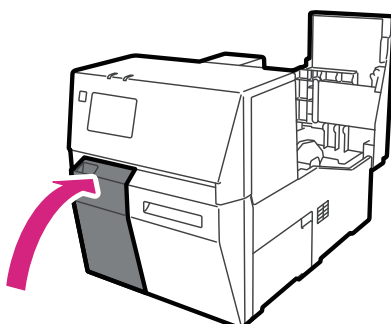
- 5** Pull out the media from the media ejection slot.



- 6** Close the upper unit.



- 7** Close the ink tank cover.



- 8** Load new media.

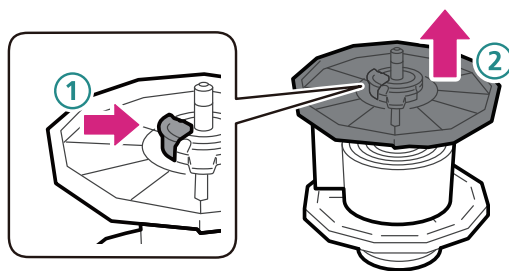
→ Loading Roll Media in the Printer (P. 14)

Removing the Roll Media from the Roll Holder

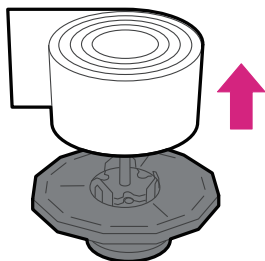
1 Remove the roll holder from the printer.

→ Removing the Roll Media from the Printer (P. 21)

2 While pressing the stopper lever, remove the flange (R) from the roll holder.



3 Remove the roll media from the roll holder.

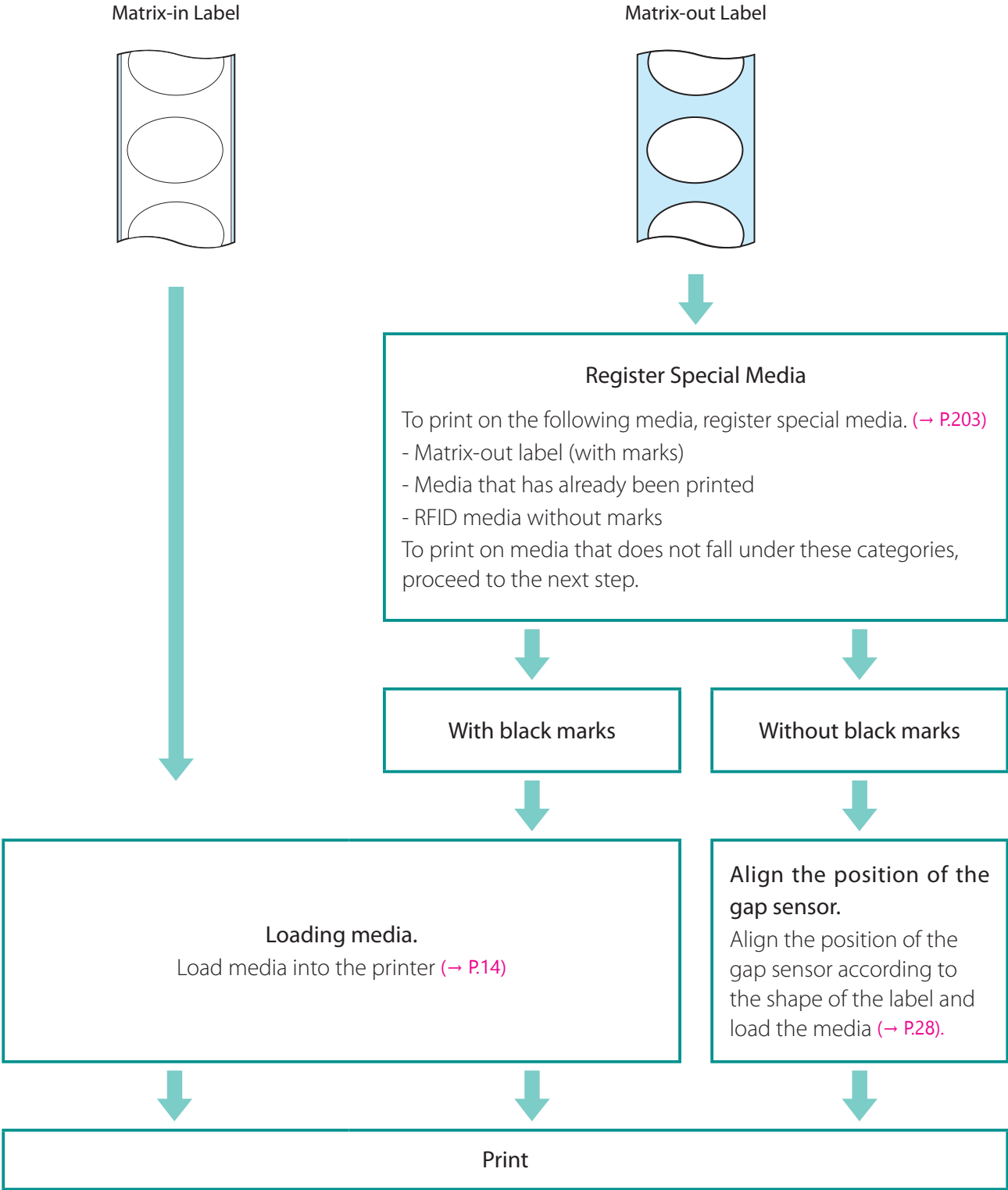


✓ IMPORTANT

- Put the roll media into the original bag or box it came in, and store it avoiding high temperature, humidity, and direct sunlight. If not stored properly, the print surface may be scratched during printing or print quality may deteriorate.

Using Special-shaped Labels

This section explains the procedure for using label media such as round labels. The procedure varies depending on the type and shape of the media you use.



NOTE

- If the leading edge of the label on media without marks is aligned with the standard position of the gap sensor, follow the procedure for media with marks. For the standard position of the gap sensor, refer to "About the Gap Sensor (P. 27)" .
- To use multiple special-shaped labels with different shapes, or labels with complex shapes such as left/right asymmetry, it is recommended to use media with black marks.

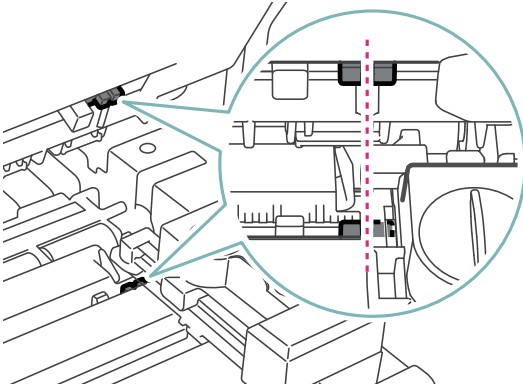
Contents
Product Overview
Media Handling
Printing
Printer Settings
Connection with Computer
Maintenance Adjustment
Trouble-shooting
RFID Media Printing
Specifications

■ About the Gap Sensor

When printing on labels without black marks, adjust the gap sensor positions according to the shape of the label, then load the media.

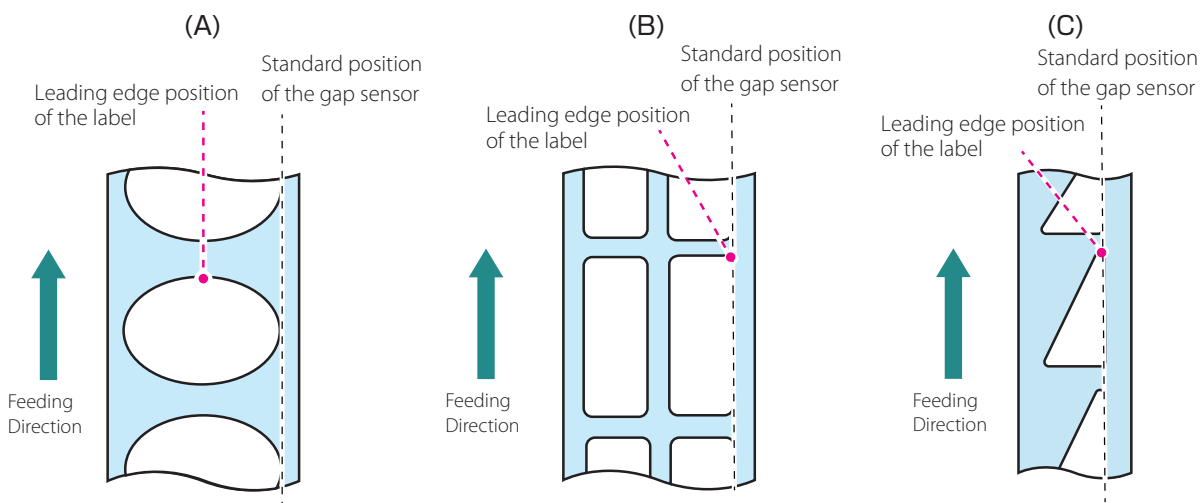
The gap sensor detects the leading edge position of the label by reading the label part and liner part of the media. When using the gap sensor, the upper and lower sensors are aligned to the same position. Normally, they are at the standard positions on the transport guide (L) side.

- Standard position of the gap sensor



Depending on the shape of the media, some can be printed without adjusting the gap sensor position.

For media with a shape like (A) below, the leading edge position of the label differs from the standard position of the gap sensor, so alignment is necessary. However, for media like (B) and (C), the leading edge position of the label and the standard position of the gap sensors are the same, so alignment is not required.



NOTE

- When printing with the gap sensor position adjusted, a cleaning operation is added, so the printing time will be longer compared to printing when the gap sensor is in the standard position.

Loading Special-Shaped Labels

NOTE

- To use die-cut label, adjust the image position and size so that nothing is printed on the liner part. It is recommended to perform a test print in advance to verify the result.

1 Tap  (Menu) on Home screen.

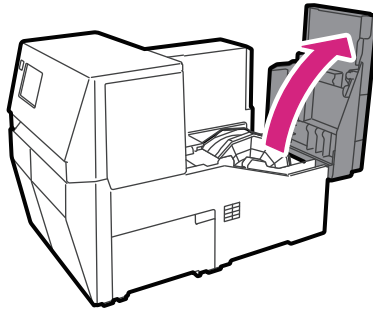
2 Tap [Maintenance] → [Gap Sensor Adjustment].

The procedure is displayed on the touchscreen.

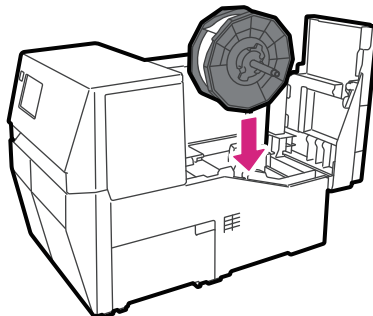
3 Open the roll cover.

If media is set in the feed slot, open the upper unit and remove it.

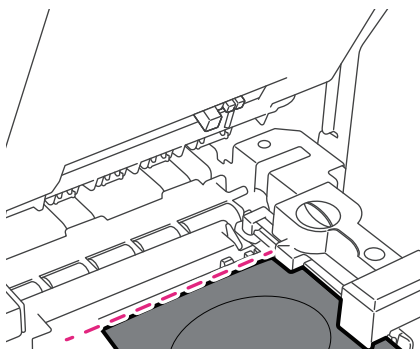
→ [Removing the Roll Media from the Printer \(P. 21\)](#)



4 Replace the media with special-shaped label media and set the roll holder in the printer.



- 5** Align the media with the transport guide (L), and align the leading edge to the position shown in the figure.

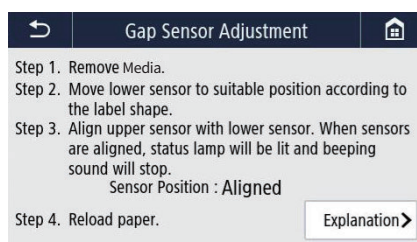


 NOTE

- At this point, do not insert the leading edge of the media into the feed slot yet.

- 6** Before adjusting the gap sensor positions, make sure the following screen is displayed on the touchscreen.

If a different screen is displayed, tap  (Close) at the upper right corner to switch the display. This screen must be displayed to verify the positions of the gap sensors.

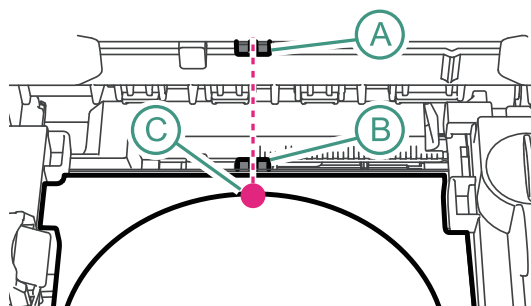


- 7** Follow the on-screen instructions to align the gap sensors with the leading edge of the media.

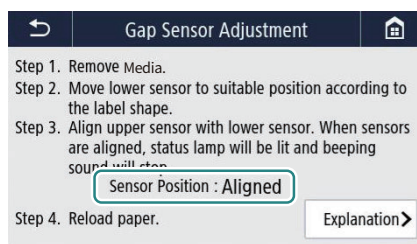
- Move the lower sensor (B), and align its position with the leading edge position of the label (C). The error lamp lights up, and a beeping sound is heard.
- Move the upper sensor (A) and align its position with the lower sensor (B) position. When the positions of the gap sensors are aligned, the status lamp lights up and the beeping sound stops.

● Example of gap sensor alignment

Align the upper sensor (A) and lower sensor (B) positions with the leading edge position (C) of the label.

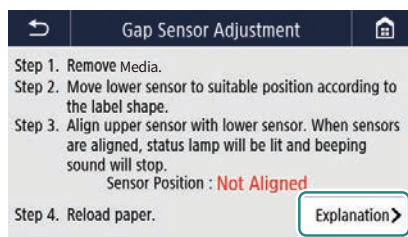


8 Make sure the touchscreen displays [Sensor Position: Aligned], and tap (Home).

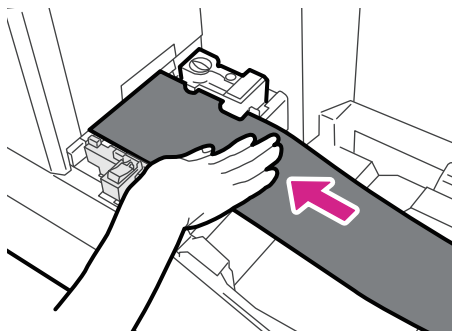


NOTE

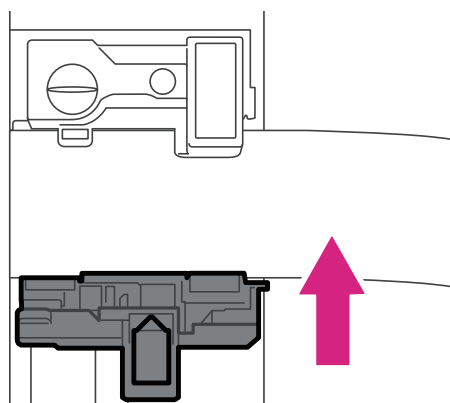
- To display the gap sensor adjustment procedure again on the touchscreen, tap [Explanation].



9 Insert the leading edge of the media into the feed slot until it is automatically drawn in.



10 Align the transport guide (R) with the edge of the media.

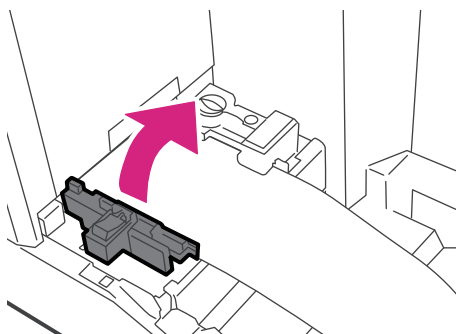


IMPORTANT

- Do not press the transport guide (R) hard against the edge of the media, as this may cause media jams.

11 Close the transport guide (R).

Close it firmly until you hear a click sound.

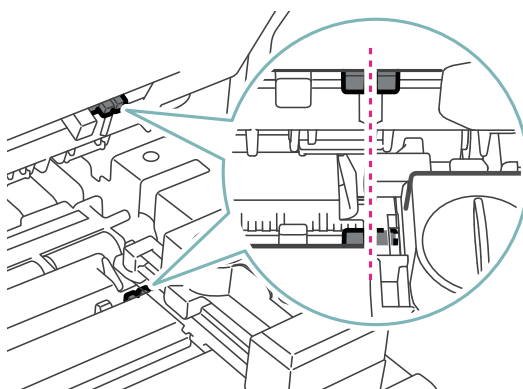


12 Close the roll cover.

This completes the loading of special-shaped labels.

NOTE

- When replacing with a different media, refer to the diagram below and return the upper and lower sensors to the standard position. The standard position provides a click feeling when moving the lower sensor toward the transport guide (L) side. If the sensor positions do not match the media, printing may not be in the correct position.



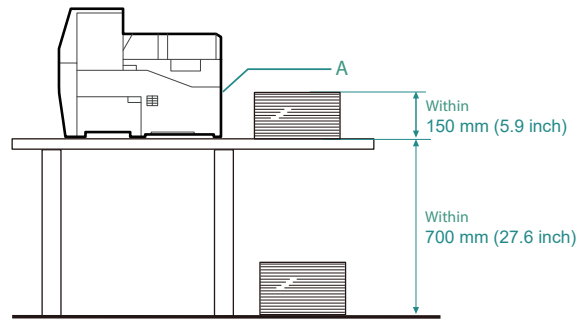
Using Fanfold Media

Loading Fanfold Media in the Printer

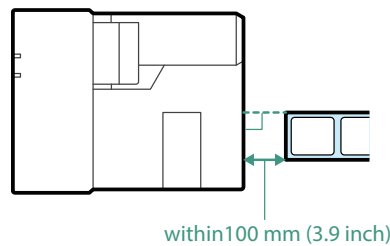
When using fanfold media, or roll media set in another device, load the media according to the following procedure.

✓ IMPORTANT

- Make sure the top surface of the fanfold media stack is lower than the rear feed slot (A) of the printer.



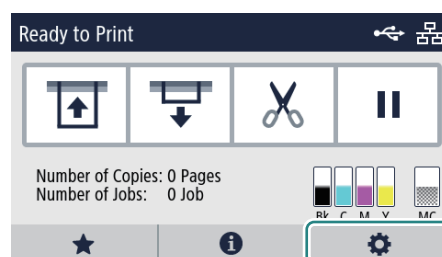
- Place the fanfold media stack within 100 mm of the rear feed slot, making sure the media is not slanted.



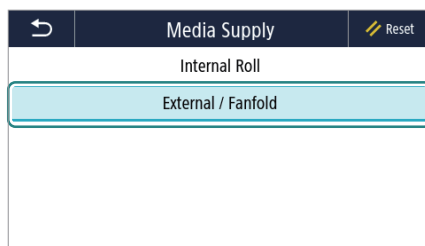
- Before loading media, ensure that the inside of the upper unit and the feeder are clean. If dirty, it is recommended to clean them in advance.
→ [Cleaning the Inside of the Upper Unit \(P. 256\)](#)
- To use fanfold media, remove the roll holder.

1 Tap  (Menu) on Home screen.

If the screen below is not displayed, tap  (Home).



2 Tap [Media Type Settings] → [Media Supply] and select [External / Fanfold].

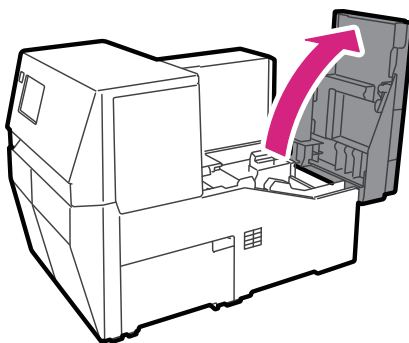


NOTE

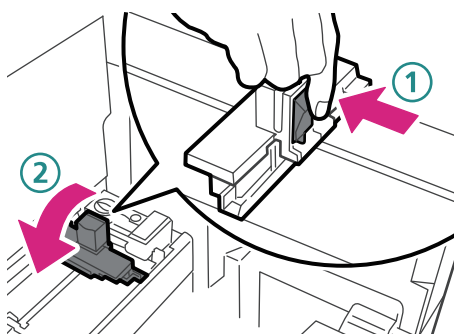
- To print on RFID media using the RFID unit (optional), configure RFID media settings after setting the media supply type.
→ [Loading RFID Media into the Printer \(P. 332\)](#)

3 Open the roll cover.

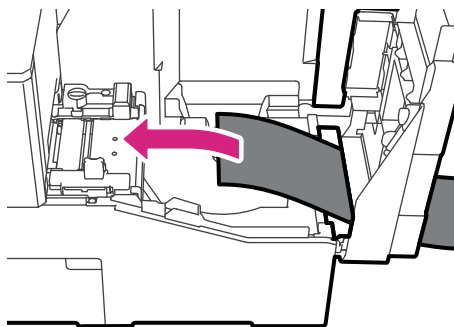
If the roll holder is set, remove it.



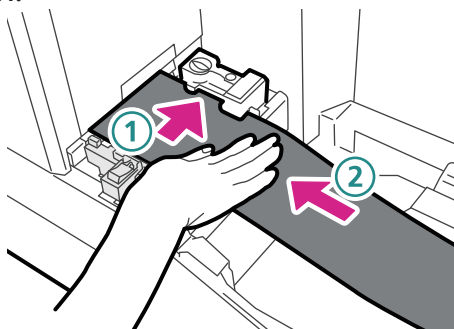
4 While pressing the unlock lever, open the transport guide (R) and move it to the rightmost position.



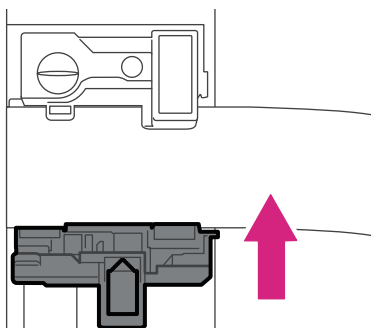
5 Feed the media through the rear feed slot.



6 While aligning the media along the transport guide (L), insert the leading edge until it is automatically drawn in.



7 Align the transport guide (R) with the edge of the media.

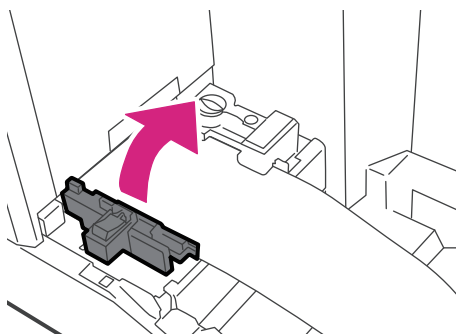


✓ IMPORTANT

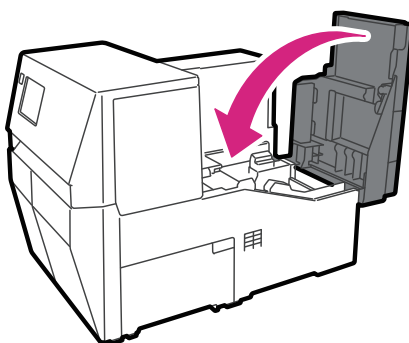
- Do not press the transport guide (R) hard against the edge of the media, as this may cause media jams.

8 Close the transport guide (R).

Close it firmly until you hear a click sound.



9 Close the roll cover.

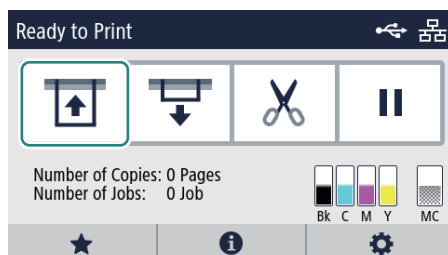


This completes the setup of the fanfold media.

Removing the Fanfold Media

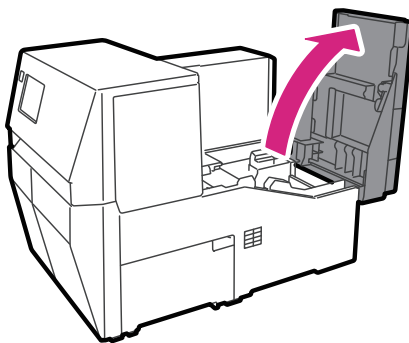
Replace the fanfold media by following the steps below.

- 1 Press and hold  (Media Backfeed) on Home screen.

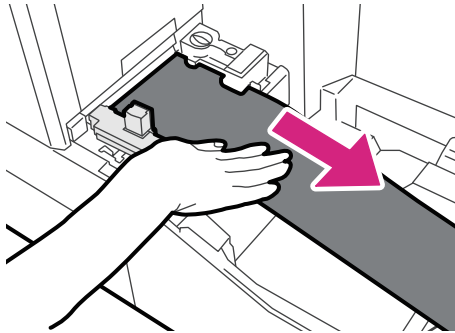


When the printer stops, proceed to the next step.

- 2 Open the roll cover.

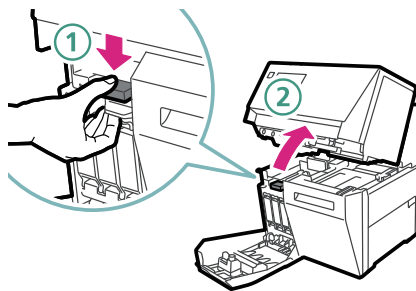


3 Pull out the media from the feeder section.



NOTE

- If the leading edge of the media cannot be pulled out, open the upper unit following the steps below.
 1. Open the ink tank cover.
 2. Press the upper unit open lever and open the upper unit.



Supported Media

Types, Sizes, and Forms of Supported Media

The following types of media can be used with this printer. Print quality or media transport performance is not guaranteed when media other than those listed below is used. Please be advised.

For details on how to purchase print media, please contact your place of purchase.

● Roll Media

Media Type	Matte coated, Glossy, Synthetic, Glossy film
Media Size	Width: 14.7 mm to 115.0 mm (0.58" to 4.53")* ¹ (Label Media) 20.0 mm to 115.0 mm (0.79" to 4.53") (Tag Media) Length: 6.0 mm to 1346.2 mm (0.24" to 53.00")
Media Type	Label/Gap Label/Black Mark Tag/Black Mark Label/None Tag/None Label/Gap (Special Form)
Outer Diameter	Outer Diameter 200 mm (7.87") or less
Media Core Inner Diameter	76.2 mm ± 1.0 mm (3.0" ± 0.04")
Thickness	145 µm - 255 µm (5.71 mil - 10.0 mil)
Weight	3.2 kg (7.0 lbs) or less

*¹ Including liner.

● Fanfold Media

Media Type	Matte media
Media Size	101.6 mm x 127.0 mm (4" x 5")

NOTE

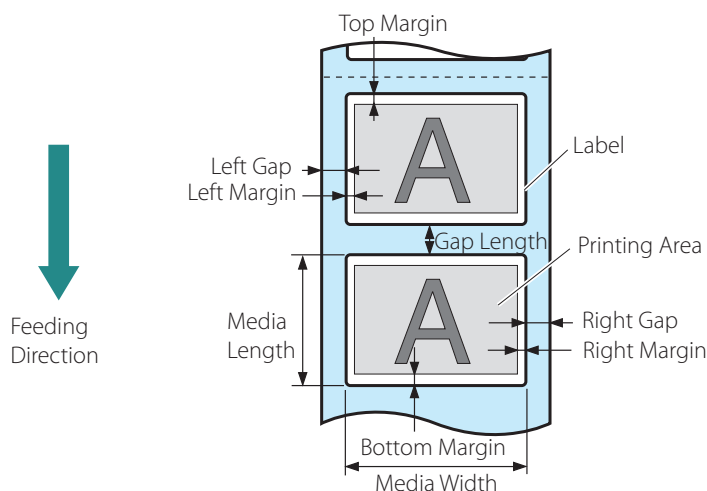
- It is recommended to use the compatible Inkjet media. Using non-compatible Inkjet media may cause smudging or blurring, and may adversely affect the printer and cause malfunctions.
- For details about media or how to obtain media, please contact the dealer where you purchased this product.
- Handle and store media with care. For details, refer to "[Cautions for Handling Media \(P. 51\)](#)".

Custom Media Size Setting Range

The media size that can be set varies depending on the media form. Please enter within the range shown in the following table.

■ Label/Gap

This is normal label media. The gap^{*1} between labels is detected and the leading edge of the media is recognized.



^{*1} Gap: Space between liner (label-mount) and label (upper media).

Media Width	7.7 mm to 128.0 mm	0.31" to 5.03"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.0"
Gap Length	2.5 mm to 9.5 mm	0.10" to 0.37"
Left Gap	0.5 mm to 10.6 mm	0.02" to 0.42"
Right Gap	0.5 mm to 117.8 mm	0.02" to 4.64"
Top Margin	1.5 mm to (Media Length - 3 – Bottom Margin) mm	0.06" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 – Top Margin) mm	0.06" to (Media Length - 0.12 – Top Margin) "
Left Margin	1.5 mm to (Media Width - 3 – Right Margin) mm	0.06" to (Media Width - 0.12 – Right Margin) "
Right Margin	1.5 mm to (Media Width - 3 – Left Margin) mm	0.06" to (Media Width - 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
 - The total of Media Width, Left Gap, and Right Gap must be at least 14.7 mm (0.58")
 - The total of Left (Right) Margin and Left (Right) Gap must be at least 2.7 mm (0.11")
 - Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72"), the total of Left Margin and Left Gap must be at least 10.8 mm (0.43")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72") : Right Margin = (Media Width + Left Gap) - 119.2 mm (4.69")
 - If the total of Media Width, Left Gap, and Right Gap is 120.0 mm (4.72") or less: Right Margin = (Media Width + Left Gap) - 109.1 mm (4.30")

■ Label/Gap Borderless Printing

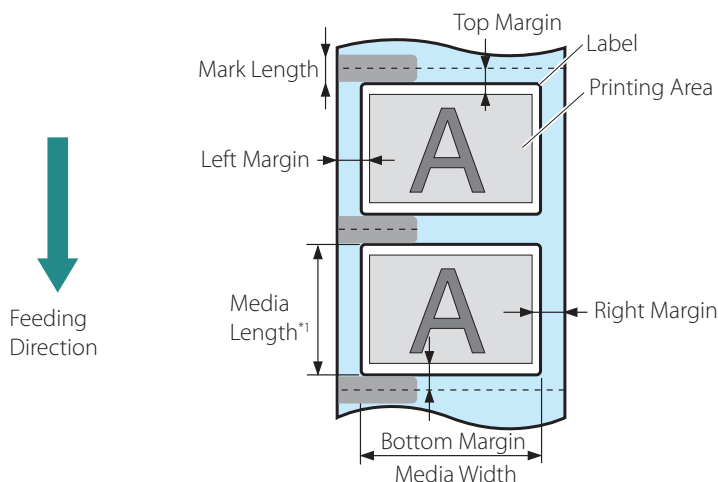
Media Width	7.7 mm to 128.0 mm	0.31" to 5.03"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.0"
Gap Length	2.5 mm to 9.5 mm	0.10" to 0.37"
Left Gap	0.5 mm to 10.6 mm	0.02" to 0.42"
Right Gap	0.5 mm to 117.8 mm	0.02" to 4.64"
Top Margin	0.0 mm to (Media Length - 3 – Bottom Margin) mm	0.00" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	0.0 mm to (Media Length - 3 – Top Margin) mm	0.00" to (Media Length - 0.12 – Top Margin) "
Left Margin	0.0 mm to (Media Width - 3 – Right Margin) mm	0.00" to (Media Width - 0.12 – Right Margin) "
Right Margin	0.0 mm to (Media Width - 3 – Left Margin) mm	0.00" to (Media Width - 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
 - The total of Media Width, Left Gap, and Right Gap must be at least 14.7 mm (0.58")
 - The total of Left (Right) Margin and Left (Right) Gap must be at least 0.5 mm (0.06")
 - Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72"), the total of Left Margin and Left Gap must be at least 10.6 mm (0.42")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72") : Right Margin = (Media Width + Left Gap) - 119.4 mm (4.70")
 - If the total of Media Width, Left Gap, and Right Gap is 120.0 mm (4.72") or less: Right Margin = (Media Width + Left Gap) - 109.3 mm (4.30")

■ Label/Black Mark

This is label media with a black mark printed on the back side. The printer recognizes the media edge with the black marks.



*1 Media Length: The distance from the center of one mark to the center of the next mark.

Media Width	14.7 mm to 130 mm	0.58" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Mark Length	3.0 mm to 10.0 mm	0.12" to 0.39"
Top Margin	1.5 mm to (Media Length - 3 - Bottom Margin) mm	0.06" to (Media Length - 0.12 - Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 - Top Margin) mm	0.06" to (Media Length - 0.12 - Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 2.7 mm to (Media Width - 3 - Right Margin) mm	If Media Width is 4.72" or less: 0.11" to (Media Width - 0.12 - Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.8 mm to (Media Length - 3 - Right Margin)	If Media Width is 4.73" to 5.12": 0.43" to (Media Width - 0.12 - Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 2.7 mm to (Media Width - 3 - Left Margin) mm	If Media Width is 4.36" or less: 0.11" to (Media Width - 0.12 - Left Margin) "
	If Media Width is 110.9 mm to 120 mm: (Media Width - 110.1) mm to (Media Width - 3 - Left Margin) mm	If Media Width is 4.37" to 4.72": Media Width - 4.34" to (Media Width - 0.12 - Left Margin) "
	If Media Width is 120.1 mm to 130.0mm: (Media Width - 119.2) mm to (Media Width - 3 - Left Margin) mm	If Media Width is 4.73" to 5.12": Media Width - 4.69" to (Media Width - 0.12 - Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

■ Label/Black Mark Borderless Printing

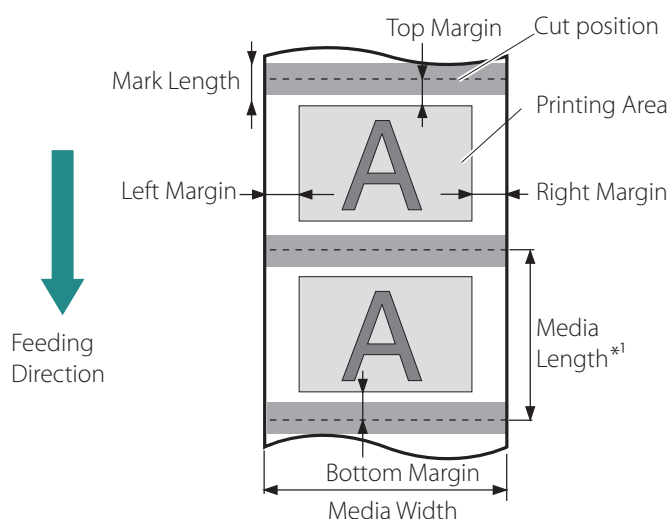
Media Width	14.7 mm to 130 mm	0.58" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Mark Length	3.0 mm to 10.0 mm	0.12" to 0.39"
Top Margin	0.8 mm to (Media Length - 3 – Bottom Margin) mm	0.04" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	0.8 mm to (Media Length - 3 – Top Margin) mm	0.04" to (Media Length - 0.12 – Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 0.5 mm to (Media Width - 3 – Right Margin) mm	If Media Width is 4.72" or less: 0.02" to (Media Width – 0.12 – Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.6 mm to (Media Length - 3 – Right Margin)	If Media Width is 4.73" to 5.12": 0.42" to (Media Width – 0.12 – Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 0.5 mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.36" or less: 0.02" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 110.9 mm to 120 mm: (Media Width - 109.3) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.37" to 4.72": Media Width - 4.30" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 120.1 mm to 130.0mm: (Media Width - 119.4) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.73" to 5.12": Media Width - 4.70" to (Media Width – 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

■ Tag/Black Marks

This is media without adhesive processing. The media edge is detected by the mark on the back of the media.



* ¹ Media Length: The distance from the center of one mark to the center of the next mark.

Media Width	20.0 mm to 130 mm	0.79" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Mark Length	3.0 mm to 10.0mm	0.12" to 0.39"
Top Margin	1.5 mm to (Media Length - 3 – Bottom Margin) mm	0.06" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 – Top Margin) mm	0.06" to (Media Length - 0.12 – Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 2.7 mm to (Media Width - 3 – Right Margin) mm	If Media Width is 4.72" or less: 0.11" to (Media Width – 0.12 – Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.8 mm to (Media Length - 3 – Right Margin)	If Media Width is 4.73" to 5.12": 0.43" to (Media Width – 0.12 – Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 2.7 mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.36" or less: 0.11" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 110.9 mm to 120 mm: (Media Width - 110.1) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.37" to 4.72": Media Width - 4.34" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 120.1 mm to 130.0 mm: (Media Width - 119.2) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.73" to 5.12": Media Width - 4.69" to (Media Width – 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

■ Tag/Black Mark Borderless Printing

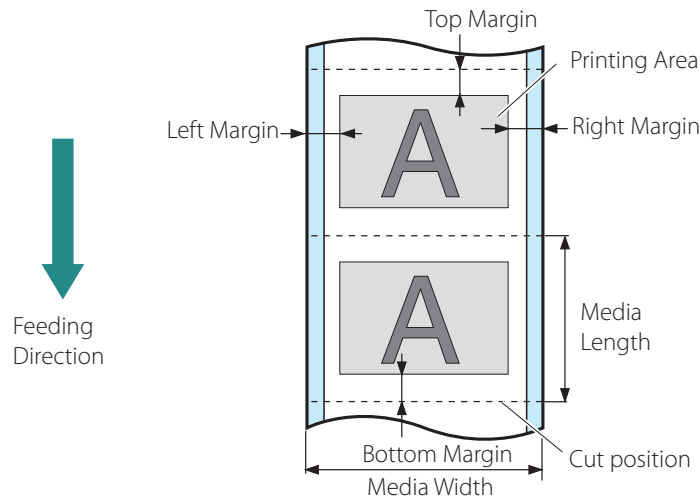
Media Width	20.0 mm to 130 mm	0.79" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Mark Length	3.0 mm to 10.0 mm	0.12" to 0.39"
Top Margin	0.8 mm to (Media Length - 3 – Bottom Margin) mm	0.04" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	0.8 mm to (Media Length - 3 – Top Margin) mm	0.04" to (Media Length - 0.12 – Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 0.5 mm to (Media Width - 3 – Right Margin) mm	If Media Width is 4.72" or less: 0.02" to (Media Width – 0.12 – Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.6 mm to (Media Length - 3 – Right Margin)	If Media Width is 4.73" to 5.12": 0.42" to (Media Width – 0.12 – Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 0.5 mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.36" or less: 0.02" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 110.9 mm to 120 mm: (Media Width - 109.3) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.37" to 4.72": Media Width - 4.30" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 120.1 mm to 130.0mm: (Media Width - 119.4) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.73" to 5.12": Media Width - 4.70" to (Media Width – 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

■ Label/None

This is label media without a black mark on the back.



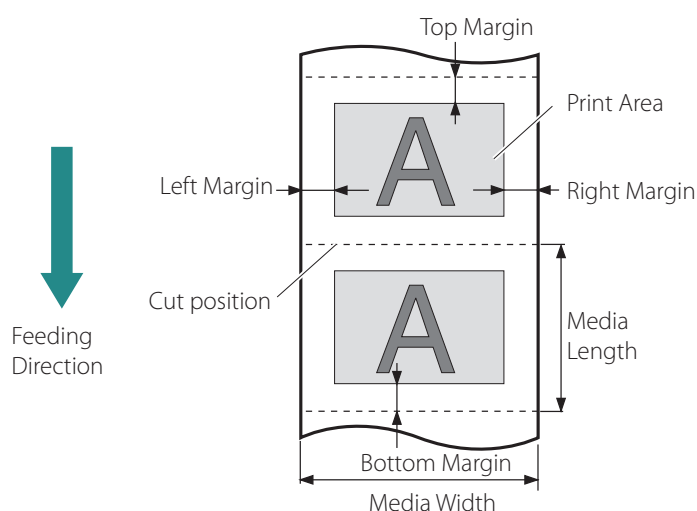
Media Width	14.7 mm to 130.0 mm	0.58" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Top Margin	1.5 mm to (Media Length - 3 – Bottom Margin) mm	0.06" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 – Top Margin) mm	0.06" to (Media Length - 0.12 – Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 2.7 mm to (Media Length - 3 – Right Margin) mm	If Media Width is 4.72" or less: 0.11" to (Media Width - 0.12 - Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.8 mm to (Media Length - 3 – Right Margin) mm	If Media Width is 4.73" to 5.12": 0.43" to (Media Width - 0.12 - Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 2.7 mm to (Media Length - 3 – Left Margin) mm	If Media Width is 4.37" or less: 0.11" to (Media Width - 0.12 - Left Margin) "
	If Media Width is 110.9 mm to 120 mm: (Media Width – 110.1) mm to (Media Length - 3 – Left Margin) mm	If Media Width is 4.37" to 4.72": Media Width - 4.34" to (Media Width - 0.12-Left Margin) "
	If Media Width is 120.1 mm to 130.0 mm: (Media Width – 118.2) mm to (Media Length - 3 – Left Margin) mm	If Media Width is 4.73" to 5.12": (Media Width - 4.66) " to (Media Width - 0.12-Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

■ Tag/None

This is tag media without a black mark on the back.



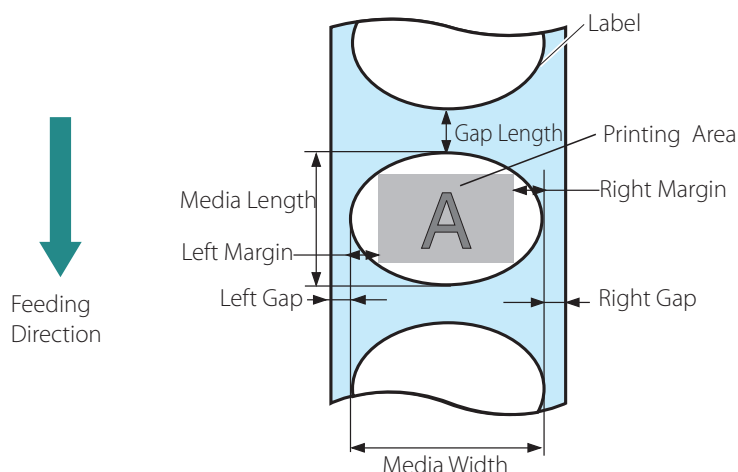
Media Width	20.0 mm to 130.0 mm	0.79" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Top Margin	1.5 mm to (Media Length - 3 – Bottom Margin) mm	0.06" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 – Top Margin) mm	0.06" to (Media Length - 0.12 – Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 2.7 mm to (Media Length - 3 – Right Margin) mm	If Media Width is 4.72" or less: 0.11" to (Media Width - 0.12 - Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.8 mm to (Media Length - 3 – Right Margin) mm	If Media Width is 4.73" to 5.12": 0.43" to (Media Width - 0.12 - Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 2.7 mm to (Media Length - 3 – Left Margin) mm	If Media Width is 4.36" or less: 0.11" to (Media Width - 0.12 - Left Margin) "
	If Media Width is 110.9 mm to 120 mm: (Media Width – 110.1) mm to (Media Length - 3 – Left Margin) mm	If Media Width is 4.37" to 4.72": (Media Width - 4.34) " to (Media Width - 0.12-Left Margin) "
	If Media Width is 120.1 mm to 130.0 mm: (Media Width – 118.2) mm to (Media Length - 3 – Left Margin) mm	If Media Width is 4.73" to 5.12": (Media Width - 4.66) " to (Media Width - 0.12-Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

■ Label/Gap (Special-shaped)

This is a special-shaped label media. The gap^{*1} between labels is detected and the leading edge of the media is recognized.



^{*1} Gap: Empty space between the label.

Media Width	7.7 mm to 128.0 mm	0.31" to 5.03"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Gap Length	2.5 mm to 9.5 mm	0.10" to 0.37"
Left Gap	0.5 mm to 10.6 mm	0.02" to 0.42"
Right Gap	0.5 mm to 117.8 mm	0.02" to 4.64"
Top Margin	1.5 mm to (Media Length - 3 – Bottom Margin) mm	0.06" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 – Top Margin) mm	0.06" to (Media Length - 0.12 – Top Margin) "
Left Margin	1.5 mm to (Media Width - 3 – Right Margin) mm	0.06" to (Media Width - 0.12 – Right Margin) "
Right Margin	1.5 mm to (Media Width - 3 – Left Margin) mm	0.06" to (Media Width - 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
 - The total of Media Width, Left Gap, and Right Gap is 14.7 mm (0.58") or more
 - The total of Left (Right) Margin and Left (Right) Gap is 2.7 mm (0.11") or more
 - Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72"), the total of Left Margin and Left Gap is 10.8 mm (0.43") or more
 - If the total of Media Width, Left Gap, and Right Gap is 120.0 mm (4.72") or less: Right Margin = (Media Width + Left Gap) - 109.1 mm (4.30")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72") : Right Margin = (Media Width + Left Gap) - 119.2 mm (4.69")

■ Label/Gap (Special-shaped) Borderless Printing

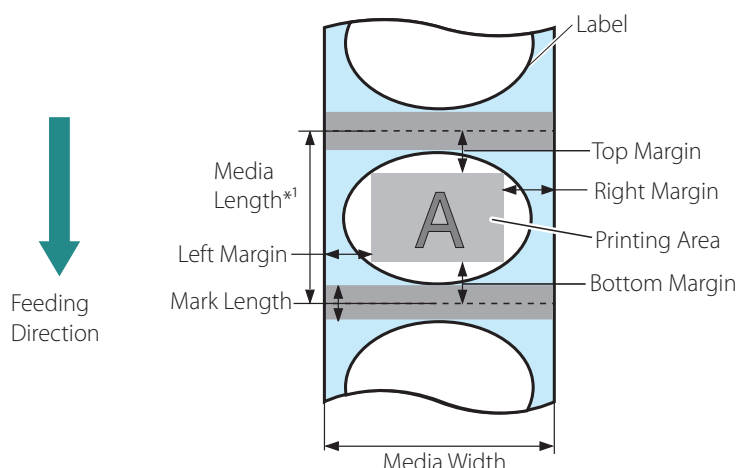
Media Width	7.7 mm to 128.0 mm	0.31" to 5.03"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.0"
Gap Length	2.5 mm to 9.5 mm	0.10" to 0.37"
Left Gap	0.5 mm to 10.6 mm	0.02" to 0.42"
Right Gap	0.5 mm to 117.8 mm	0.02" to 4.64"
Top Margin	0.0 mm to (Media Length - 3 – Bottom Margin) mm	0.00" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	0.0 mm to (Media Length - 3 – Top Margin) mm	0.00" to (Media Length - 0.12 – Top Margin) "
Left Margin	0.0 mm to (Media Width - 3 – Right Margin) mm	0.00" to (Media Width - 0.12 – Right Margin) "
Right Margin	0.0 mm to (Media Width - 3 – Left Margin) mm	0.00" to (Media Width - 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
 - The total of Media Width, Left Gap, and Right Gap must be at least 14.7 mm (0.58")
 - The total of Left (Right) Margin and Left (Right) Gap must be at least 0.5 mm (0.06")
 - Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72"), the total of Left Margin and Left Gap must be at least 10.6 mm (0.42")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72") : Right Margin = (Media Width + Left Gap) - 119.4 mm (4.70")
 - If the total of Media Width, Left Gap, and Right Gap is 120.0 mm (4.72") or less: Right Margin = (Media Width + Left Gap) - 109.3 mm (4.30")

■ Label/Black Marks (Special-shaped)

This is a special-shaped label media with a black mark printed on the back side. The printer recognizes the media edge with the black marks.



*¹ Media Length: The length between the center of one mark and the center of the next mark

Media Width	14.7 mm to 130 mm	0.58" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Mark Length	3.0 mm to 10.0 mm	0.12" to 0.39"
Top Margin	1.5 mm to (Media Length - 3 - Bottom Margin) mm	0.06" to (Media Length - 0.12 - Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 - Top Margin) mm	0.06" to (Media Length - 0.12 - Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 2.7 mm to (Media Width - 3 - Right Margin) mm When Media Width is 120.1 mm to 130 mm: 10.8 mm to (Media Length - 3 - Right Margin)	If Media Width is 4.72" or less: 0.11" to (Media Width - 0.12 - Right Margin) " If Media Width is 4.73" to 5.12": 0.43" to (Media Width - 0.12 - Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 2.7 mm to (Media Width - 3 - Left Margin) mm If Media Width is 110.9 mm to 120 mm: (Media Width - 110.1) mm to (Media Width - 3 - Left Margin) mm If Media Width is 120.1 mm to 130.0 mm: (Media Width - 119.2) mm to (Media Width - 3 - Left Margin) mm	If Media Width is 4.36" or less: 0.11" to (Media Width - 0.12 - Left Margin) " If Media Width is 4.37" to 4.72": Media Width - 4.34" to (Media Width - 0.12 - Left Margin) " If Media Width is 4.73" to 5.12": Media Width - 4.69" to (Media Width - 0.12 - Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

■ Label/Black Mark (Special-shaped) Borderless Printing

Media Width	14.7 mm to 130 mm	0.58" to 5.12"
Media Length	6.0 mm to 1346.2 mm	0.24" to 53.00"
Mark Length	3.0 mm to 10.0 mm	0.12" to 0.39"
Top Margin	0.8 mm to (Media Length - 3 – Bottom Margin) mm	0.04" to (Media Length - 0.12 – Bottom Margin) "
Bottom Margin	0.8 mm to (Media Length - 3 – Top Margin) mm	0.04" to (Media Length - 0.12 – Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 0.5 mm to (Media Width - 3 – Right Margin) mm	If Media Width is 4.72" or less: 0.02" to (Media Width – 0.12 – Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.6 mm to (Media Length - 3 – Right Margin)	If Media Width is 4.73" to 5.12": 0.42" to (Media Width – 0.12 – Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 0.5 mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.36" or less: 0.02" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 110.9 mm to 120 mm: (Media Width - 109.3) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.37" to 4.72": Media Width - 4.30" to (Media Width – 0.12 – Left Margin) "
	If Media Width is 120.1 mm to 130.0mm: (Media Width - 119.4) mm to (Media Width - 3 – Left Margin) mm	If Media Width is 4.73" to 5.12": Media Width - 4.70" to (Media Width – 0.12 – Left Margin) "

✓ IMPORTANT

- Configure the setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

Cautions for Handling Media

■ About Usage Environment

- In low humidity environments (40% or less), the following issues may occur:
 - Curling or wrinkling may occur on the media.
 - The media and printhead may come into contact easily, which may scratch the printed surface or damage the printhead.
 - Cut prints may stick to the printer and not fall down. (Film-type media)
 - The media may stick to the printer, causing feeding errors and preventing proper ejection. (Film-type media)
 - Print unevenness may occur. (Film-type media)
- In high humidity environments (60% or more), the following issues may occur:
 - Printed material may not dry.
 - Waviness (unevenness) on the media surface may become more pronounced.
 - It may not be possible to cut cleanly.

■ Media Handling/Storage

- Avoid using the printer in environments where the media may get wet.
- Handle all media carefully to avoid rubbing or scratching. It is recommended to wear gloves.
- The media may expand or contract due to changes in humidity, etc. Allow the media to acclimate sufficiently to the usage environment before use.
- Handle the media with care to avoid sweat or oil from hands on the printed surface. Print quality may deteriorate.
- When the roll media is used up to the end, the last edge of the media may not detach from the core, causing media feed errors. It is recommended to check the specifications with the media manufacturer before purchasing media.
- When printing on a roll media with a heavily curled leading edge, the printed surface may become soiled. Remove the curl before use. If the curl cannot be removed, use the media feed function on the operation panel to feed the leading edge of the media out of the upper unit before printing.
- If the leading edge of the roll media is uneven or has dirt or tape marks, trim it evenly.
- On the first print after setting the roll media, waviness of the media may be noticeable.
- If not used for a long period of time or if environmental changes are expected after use, remove the media from the printer and store in a bag.
- Do not leave the media in printer in a high humidity environment (60% or more).
- Store the labels so that the liner does not crease or get damaged.
- After printing, the printed media may take some time to dry. In such a case, do not touch the printed surface until the media has dried sufficiently. Also, when drying, it is recommended to keep each sheet of media separated so that they do not overlap.

Printing

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Basic Print Operations

1 Check that printer is turned on.

2 Load media on the printer.

→ [Loading Roll Media in the Printer \(P. 14\)](#)

→ [Loading Fanfold Media in the Printer \(P. 32\)](#)



NOTE

- The media loading steps can be displayed from the touchscreen:
[Home screen] →  (Information) → [Quick Guide].

3 Open the printer properties window.

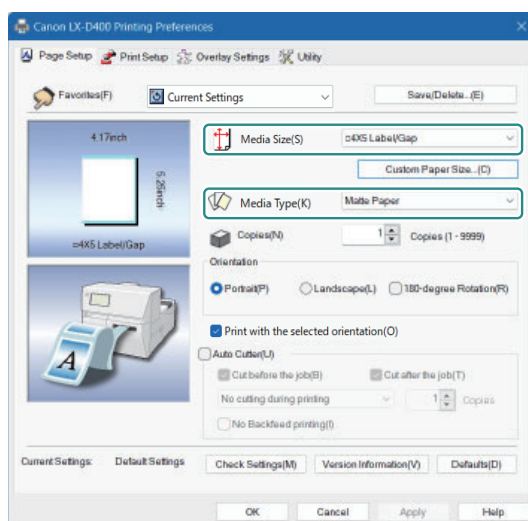
Select [Print] from the [Files] menu (or the toolbar) of the application software.
The Print dialog box appears.

4 Select [LX-D400] and click Preferences (or Properties).

The printer driver setup window appears.

5 Set the media size and type.

Set the media to the same size and shape as the document created in the application software.

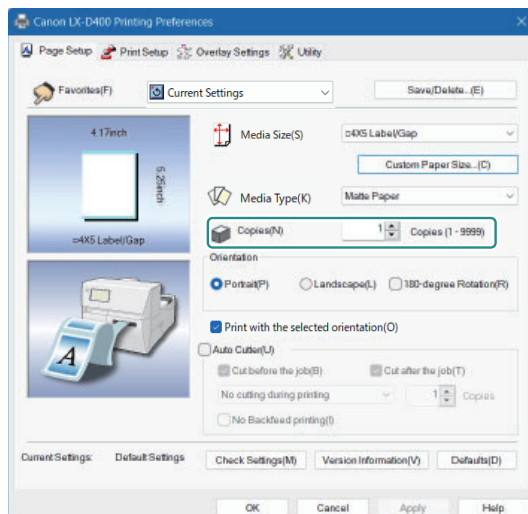


NOTE

- Media settings registered in "Favorites" can also be loaded.

6 Specify the number of copies.

Set other items as needed. Refer to [Using Page Setup Features \(P.60\)](#) for detail of each item.



IMPORTANT

- When both the application software and the printer driver have the same setting items, such as Media Size, Orientation, and Copies, the settings of the application software may take precedence.

7 Click [OK].

8 Click [Print] in the Print dialog box.

Printing starts.

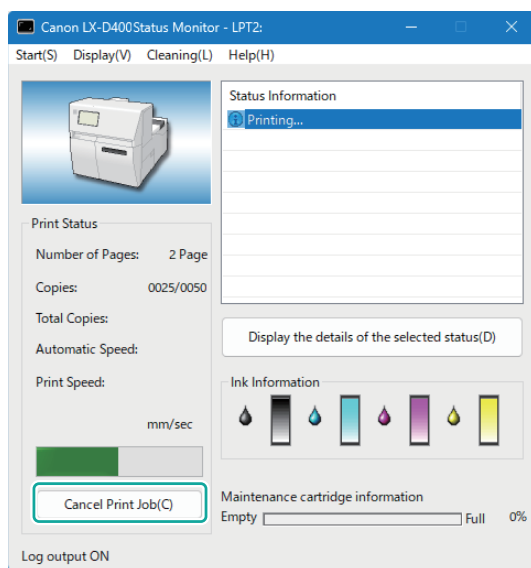


NOTE

- If the media settings configured in the printer driver differ from the printer's media information, an error message may appear on the operation panel. You can still execute the print job, but the expected results may not be achieved.
- To stop printing, click [Cancel Print Job] on the status monitor.
→ [Canceling Printing \(P. 56\)](#)

Canceling Printing

To cancel printing from the computer, click [Cancel Print Job] on the status monitor.



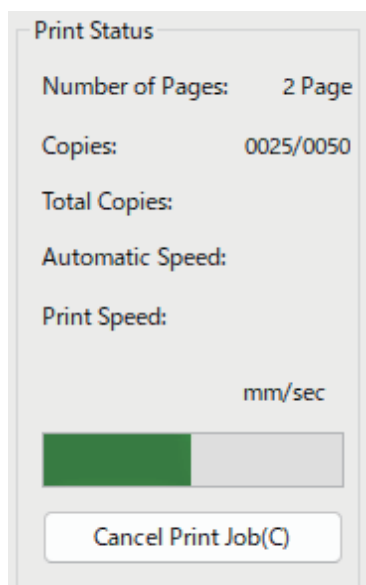
The printer stops its operation. The current print job and jobs that are processing or receiving data in the printer are also canceled. In addition, all print data in process in the computer are canceled.

NOTE

- If the status monitor is not displayed, it may be minimized into the taskbar or reside in the task tray. Click either to display the status monitor.
→ [Displaying the Status Monitor \(P. 139\)](#)
- Besides the status monitor, you can cancel printing from the print queue window (a window in which print jobs are registered). Follow the steps below to open the print queue window.
 - 1) From the Start menu, select [Settings] → "Bluetooth & devices" → "Printers & scanners".
 - 2) Click this printer and select [Open printer queue].
- To pause printing, operate from the printer's touchscreen.
→ [Pausing Printing \(P. 12\)](#)

Viewing the Print Status

Use these features to monitor the progress of print jobs.



[Number of Pages]

Displays the number of pages to be printed.

[Copies]

The status of the specified number of copies in progress appears.

For example, if the printing of a three-page document in 10 copies is set, "0001/0010" to "0010/0010" appears while the first page is printed. The progress bar represents the status of printing the number of copies specified.

[Total Copies]

A total count of the specified number of copies printed appears.

[Automatic Speed]

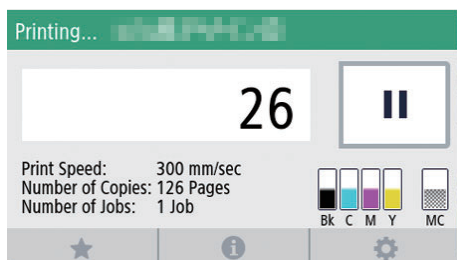
Displays the on/off state of the auto speed setting.

[Print Speed]

Displays the current speed setting.

NOTE

- Clicking [Show details for the selected status] on the status monitor or [Help] on each tab of the printer driver displays the online version of the User's Guide. Refer to the User's Guide to check the descriptions of the displayed messages and how to resolve them.
- If the computer is offline, the User's Guide must be installed to the computer. For details, see the "Printer Driver Installation Guide."
- The printer status can be checked from the touchscreen. The following items are displayed:



[Print Speed]

The current print speed is displayed (available during printing only).

[Total Number of Copies]

Displays the total number of pages that have been printed to completion.

[Total Number of Jobs]

Displays the total number of jobs that have been printed.

Opening the Printer Driver

You can display the printer driver setup window from the application software in use or from the printer icon.

Opening the Printer Driver Setup Window from the Application Software

Follow the procedure below to configure printing profile when printing.

1 Open the document to print. and display the [Print] dialog box.

Select [Print] from the [Files] menu or toolbar of the application software.
The Print dialog box appears.

2 Select this printer and click Preferences (or Properties).

The printer driver setup window appears.



NOTE

- Depending on application software you use, command names or menu names may vary and there may be more steps. For details, refer to the user's manual of your application software.

Opening the [Printing Preferences] Window from the [Printers & scanners]

Use this procedure to set common print settings to all application software.

1 Select [Settings] → [Bluetooth & devices] → [Printers & scanners].

2 Select [LX-D400] → [Printing Preferences].

For Windows Server 2022, Windows Server 2019, or Windows Server 2016:
Select [LX-D400] → [Manage] → [Printer Properties].

The printer driver setup window appears.



NOTE

- The media size under "Available Media" on the [General] tab of the printer's properties screen may differ from the size of the media loaded to the printer. To check the current media size currently in use, refer to the print settings in the printer driver or the application.
- When you open the printer driver settings screen from [Printer Properties], tabs related to Windows features, such as [Port] (or [Detailed Settings]), are displayed. These tabs are not displayed when opened from [Print Settings] or from the application software. For tabs related to Windows features, see Windows Help.

Opening the Printer Properties Window

Use this procedure to display the [Utility] tab, where you can perform printer maintenance and modify printer settings.

NOTE

- The items you can set on the [Utility] tab in the printer's properties screen differ from those on the [Utility] tab in the print settings screen. (→ P.117)

1 Select [Settings] → [Bluetooth & devices] → [Printers & scanners].

2 Select [LX-D400] → [Printing Preferences].

For Windows Server 2022, Windows Server 2019, or Windows Server 2016:

Select [LX-D400] → [Manage] → [Printer Properties].

3 Click [Utility] tab.

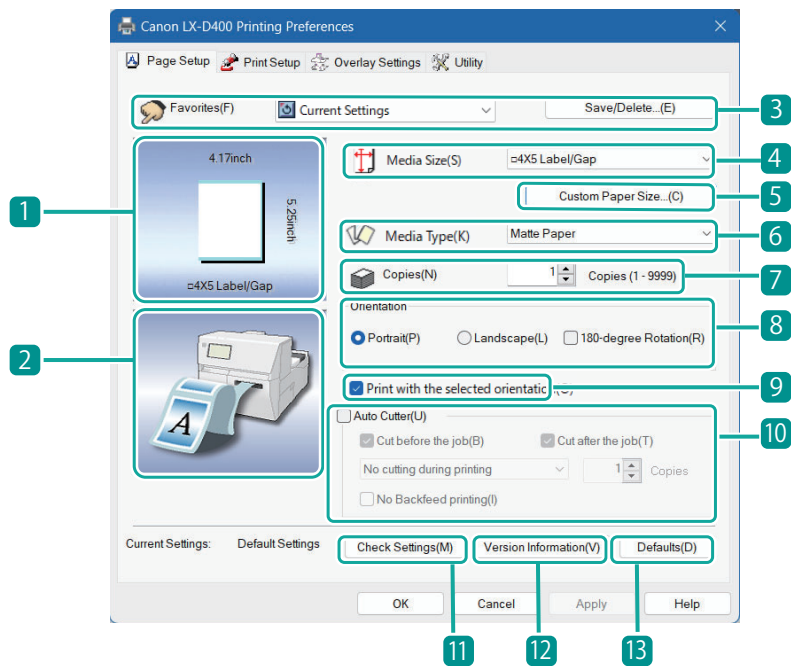
NOTE

- The media size under “Available Media” on the [General] tab of the printer's properties screen may differ from the size of the media loaded to the printer. To check the current media size currently in use, refer to the print settings in the printer driver or the application.

Using Page Setup Features

This section describes the [Page Setup] tab.

Changes to media size, media type, number of copies, page orientation and more can be adjusted in the [Page Setup] tab of the [Printing Preferences] window.



1	Media Size Preview	The current media size is displayed in a preview.
2	Print Orientation Preview	Media orientation for printing is displayed in a preview. (→ P.73)
3	Favorites	Register commonly used print settings. (→ P.62) To register or delete favorites, click [Save/Delete].
4	Media Size	Set a media size. (→ P.65)
5	Custom Media Size	Set a custom media size. (→ P.67)
6	Media Type	Set a media type. (→ P.72)
7	Copies	Set the number of copies to print.

8 Orientation	Set the orientation of printing on the media. If the application used to create the document has a similar function, select the same option as in the application. [Portrait] The document is printed maintaining the vertical orientation relative to the media feed direction. This is the default setting. [Landscape] The document is printed by rotating 90 degrees relative to the media feed direction. [180-degree Rotation] Check this check box to print a document set for [Portrait] or [Landscape] rotated 180 degrees.
9 Print with the selected orientation	Select this option when the application automatically rotates the document orientation and the job cannot print correctly with the media orientation selected in [Orientation]. You do not need to select this option in normal circumstances. (→ P.75)  IMPORTANT - Some application software may fail to print correctly even if [Print with the selected orientation] is enabled. - The [Print with the selected orientation] setting does not affect the [180-degree Rotation] setting.
10 Auto Cutter	Use when a job-actuated cutter or an RFID unit (optional) is installed. Select this option to cut the roll media after printing. The media cut timing and interval can be edited. (→ P.77)  NOTE While these settings can be configured when a job-actuated cutter or RFID unit (optional) is not installed, they will not be reflected in the actual print result.
11 Check Settings	Displays the current print settings. (→ P.81)
12 Version Information	Displays the printer driver version and copyright information. (→ P.82)
13 Defaults	Reset the [Page Setup] tab to its defaults.
14 Help	Click the button to display the online version of the User's Guide. When using the computer in an offline environment, the User's Guide must be installed to the computer.  NOTE When using Microsoft Edge, ensure to update it to the latest version.

Registration of Favorites

You can register up to 10 frequently used print settings to [Favorites]. Media information registered as "Favorites" can be loaded by simply selecting from the list, allowing you to print with the same settings at any time. This section describes how to add/delete "Favorites", and how to print using favorites.

■ Registration of Favorites

✓ IMPORTANT

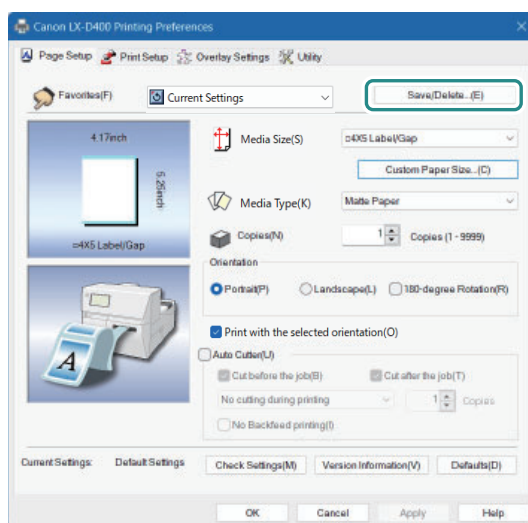
- When the [Settings] screen of the printer driver is displayed from the application software, it is not possible to register or delete settings in/from [Favorites]. To do so, display the [Settings] screen of the printer driver from the [Printers & scanners] of Windows. (→ P.58)

1 Open the printer driver setup [Printing Preference] window.

→ Opening the [Printing Preferences] Window from the [Printers & scanners] (P. 58)

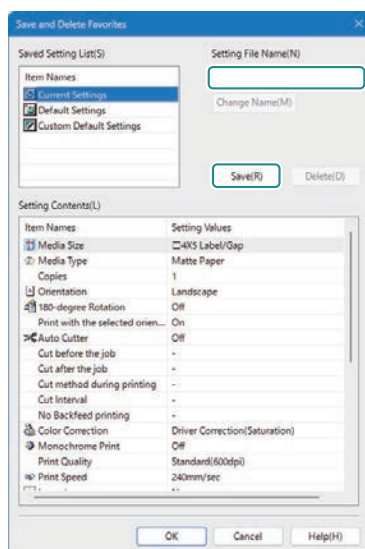
2 Configure the setting to register on the [Page Setup] and [Print Setup] tabs.

3 Click [Save/Delete].



The Save/Delete Favorites dialog box appears.

4 Enter a name in [Setting File Name], then click [Save].



A confirmation message appears.

NOTE

- Entry in the [Setting File Name] entry box is mandatory.
- Up to 16 characters can be entered. Spaces and tabs are not allowed.

5 Click [Yes].

The print settings are registered in the [Saved Setting List].

6 Click [OK].

7 Click [OK] in the [Page Setup] dialog box.

This completes the configuration.

NOTE

• Changing the Name of a Favorite

To change the name of a registered favorite, select it from the [Registered Settings List] and then click [Change Name]. After changing the name, click [Save].

• Deleting a Favorite

To delete a registered favorite, select it from the [Registered Settings List], and then click [Delete].

The settings currently selected as the favorite cannot be deleted; select another settings entry, then delete it using the steps above.

• Confirming the Favorite Settings

Clicking [Check Settings] on the [Page Setup] tab allows you to confirm the print settings registered in [Favorites].

Clicking [Copy] in the dialog box allows you to copy the print settings to the clipboard of the OS. To read the copied print settings, paste the settings into Notepad.

■ Printing Using Favorite Settings

1 Open the printer driver setup [Printing Preference] window.

→ Opening the [Printing Preferences] Window from the [Printers & scanners] (P. 58)

2 Apply favorite.

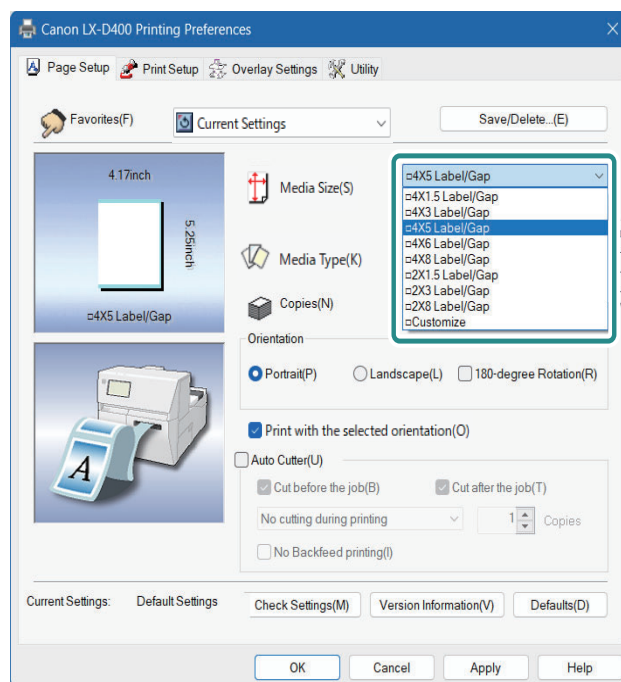
From the [Favorites] list on the [Page Setup] tab, select the favorite you want to use.

3 Click [OK] in the [Print Setup] dialog box.

This completes the configuration.

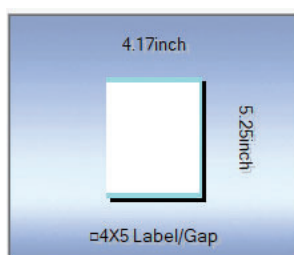
Selecting the Media Size

Select the size of the media to use for printing from the pull-down menu.



NOTE

- The current media size can be identified in a preview.



■ Standard Label Paper (Registered Media)

8 media sizes are pre-registered:

Media Size Names	Media Form	Media Size (mm)		Margins (mm)				Gap/Mark (mm)	Gap (mm)	
		W	L	Top	Bottom	Left	Right		Left	Right
4×1.5 Label/Gap	Label/Gap	97.3	38.1	1.5	1.5	1.5	1.5	2.5	2	2.3
4×3 Label/Gap		97.3	76.2	1.5	1.5	1.5	1.5	2.5	2	2.3
4×5 Label/Gap		101.6	127.0	1.5	1.5	3	1.5	6.4	0.5	3.9
4×6 Label/Gap		101.6	152.4	1.5	1.5	1.5	1.5	2.5	2	2.3
4×8 Label/Gap		97.3	203.2	1.5	1.5	1.5	1.5	2.5	2	2.3
2×1.5 Label/Gap		46.5	38.1	1.5	1.5	1.5	1.5	2.5	2	2.3
2×3 Label/Gap		46.5	76.2	1.5	1.5	1.5	1.5	2.5	2	2.3
2×8 Label/Gap		46.5	203.2	1.5	1.5	1.5	1.5	2.5	2	2.3

■ Customize

A custom media size can be configured.

While a custom media size can be configured in Custom Media Size Settings, for Customize, a temporary media size is configured when the print settings screen is displayed from the application software.

Media Size Names	Media Form	Media Size (mm)		Margins (mm)				Gap/Mark (mm)	Gap (mm)	
		W	L	Top	Bottom	Left	Right		Left	Right
Customize	Label/Gap	101.6	127.0	1.5	1.5	3	1.5	6.4	0.5	3.9

NOTE

- With Customize, the media name cannot be changed.
- If you display the Print Settings screen from the application software and configured [Custom Size], setting information in [Custom Size] is cleared when exiting that application software.

Setting a Custom Media Size

If the desired media size is not found in the [Media Size], set a new media size in the [Custom Media Size Settings].

Up to 50 media size can be registered to [Custom Media Size Settings]. In addition, pre-registered standard label media size can be modified and registered.

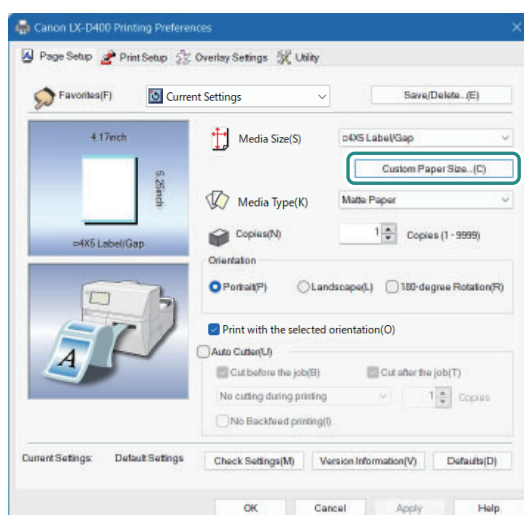
NOTE

- "Media Size Name", "Width", "Length", "Display Units", "Media Form", "Gap / Mark Length", "Margin", and "Gap" can be registered.
- The standard label media name cannot be edited.

1 Open the printer driver setup [Printing Preference] window.

→ Opening the [Printing Preferences] Window from the [Printers & scanners] (P. 58)

2 Click [Custom Media Size] on the [Page Setup] tab.

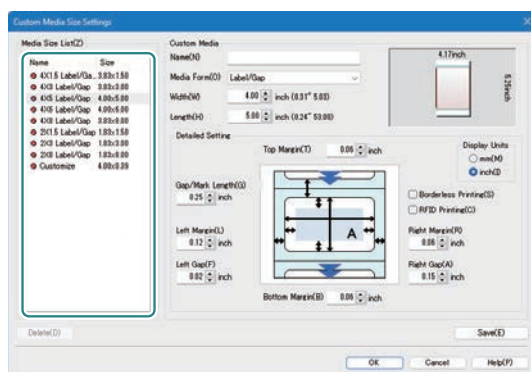


[Custom Media Size Settings] dialog box opens.

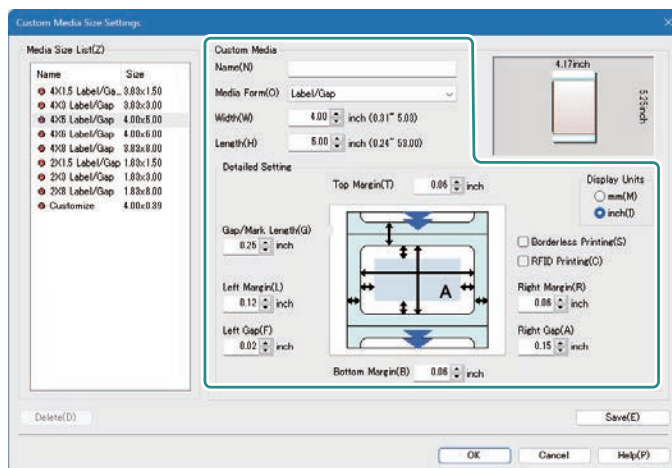
NOTE

- When opening [Printer Properties] from the [Print] menu in application software, [Custom Media Size ... (C)] is not selectable. Follow the steps below to have [Custom Media Size ... (C)] be selectable:
 1. Select [Customize] from drop-down list of [Media Size] to make [Custom Media Size ... (C)] selectable.
 2. Click [Custom Media Size ... (C)].
 3. Proceed to step 4.

3 Select a basic media size from the [Media sizes list].



4 Enter or select the items: "Name", "Media Form", "Width", "Length", "Margin", "Gap/Mark Length", and "Display Units".



[Name]	Enter the name of new media in the [Name] text box. Up to 15 characters can be entered. Spaces and tabs cannot be used.  NOTE When opening [Printer Properties] from the [Print] menu in application software and editing a custom media size, [Name(N)] is disabled.
[Width][Length]	Enter values in the allowed range.
[Display Units]	Either mm or inch can be set.
[Gap/Mark Length]	Enter the gap length or mark length for the custom size.
[Media Margin]	Enter the top/bottom and left/right margins, and left/right gaps.
[RFID Printing]	Select this checkbox to use RFID media.
[Borderless Printing]	Select this checkbox to use Borderless Print.  IMPORTANT - When performing borderless printing, ink may get on your hands and other things. Handle with care. - Depending on your paper, environment, or the image to be printed, borderless printing may soil the paper or reduce print quality. - We recommend cleaning the inside of the upper unit after borderless printing. → Cleaning the Inside of the Upper Unit (P. 256) - The printed image may not fit within the paper. We recommend performing a test print in advance to check the result. Also, after borderless printing for confirmation, we recommend to clean the inside of the upper unit.  NOTE - When registering media information with the Printing check box selected, the following message is displayed. Read the message content and click [OK]. Warning  Media for borderless printing has been registered. The printable area will be expanded, so printing may extend beyond the edge of the media. To prevent printing from extending beyond the edge of the media, leave a margin of 1.0 mm or more in the print data. OK

5 Select "Media Form".

Select one of the following media form.

[Label/Gap]	Normal label paper. The leading edge of media is recognized on detecting a label gap. For round and other forms, select this type for label media with margins.
[Label/Marker]	A TOF mark is printed on the back of label paper to identify the leading edge of the media. For round and other forms, select this type for labeling media with margins and black marks printed on the back.
[Tag/Marker]	A TOF mark is printed on the back of tag paper to identify the leading edge of the media.
[Label/No TOF]	No TOF mark is printed on the back of label paper.
[Tag/No TOF]	No TOF mark is printed on the back of tag paper.
[Label/Gap (Custom Shape)]	For round and other forms, select this type for label paper with matrix-out. The gap between labels is detected and the leading edge of the media is recognized.
[Label/Marker (Custom Shape)]	For round and other forms, select this type for labeling paper with matrix-out and with black marks printed on the back. The printer recognizes the leading edge of the media using the black mark.

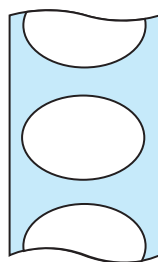
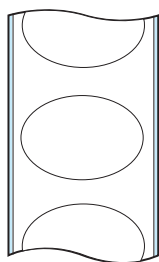


NOTE

- **About the label media types:**

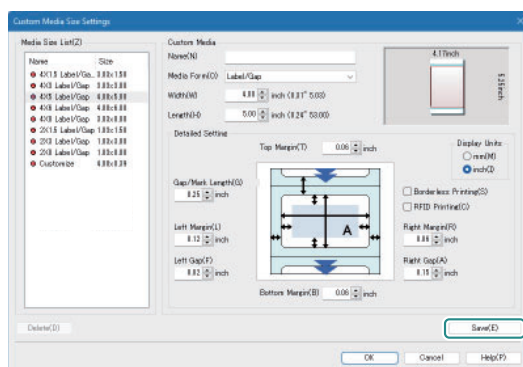
There are two label paper types: one with margins around the label and the other without margins. Please note that, when using round and similar shaped labels, the media forms vary depending on the presence and absence of margins.

- Label paper with matrix-in
- Label paper with matrix-out



- The configurable range of width and length varies by media shape. For details, refer to "[Custom Media Size Setting Range \(P. 39\)](#)".

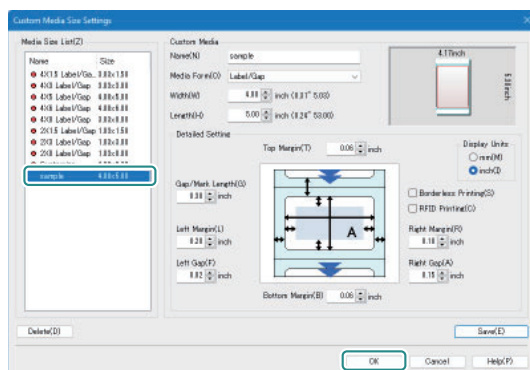
6 Click [Save].



NOTE

- When opening [Printer Properties] from the [Print] menu in application software and editing a custom media size, [Temporary Save] appears in place of [Save].

7 Confirm that the entered media name is displayed in [Media Size List], then click [OK].



NOTE

- When opening [Printer Properties] from the [Print] menu in application software and editing a custom media size, the media name is not registered in [Media Size List(Z)].

Selecting the Media Type

Select the correct media type in the Media Type drop down menu.

Matte Paper/ Gloss Paper/ High Gloss / Matte Poly / Thin Matte Paper/ Gloss Poly

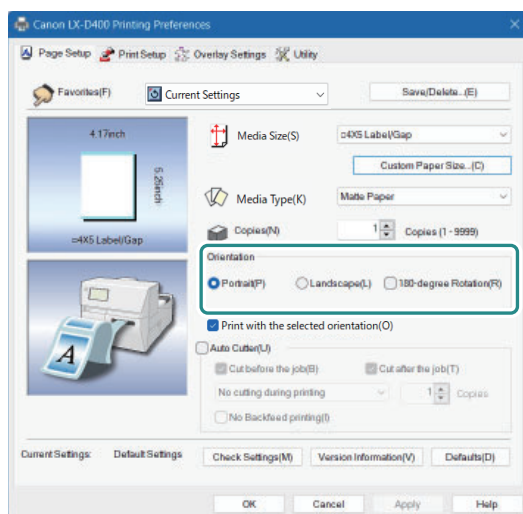


NOTE

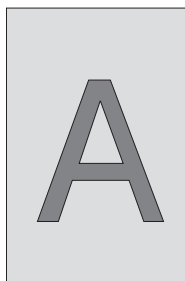
- Select the correct paper type in order to receive optimal print quality.

Selecting the Orientation

Select the direction of print under Orientation.

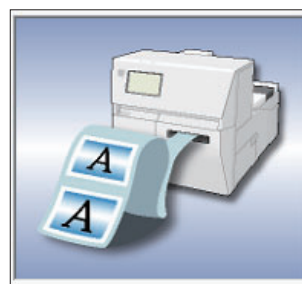
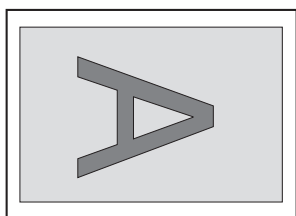


In the description of each setting item, the printing result of the document shown below is used.



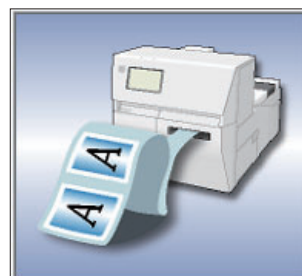
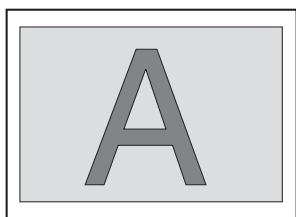
[Portrait]

Select this option to print the document rotated 90 degrees to the right in relation to the direction of media feeding.



[Landscape]

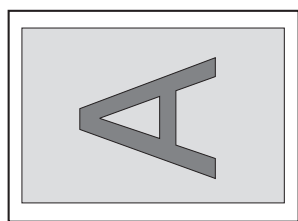
Select this option to print the document horizontally in relation to the direction of media feeding.



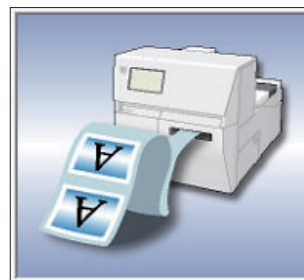
[180-degree Rotation]

Check this check box to print a document set for [Portrait] or [Landscape] rotated 180 degrees.

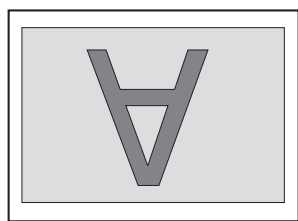
- Portrait/rotated 180 degrees



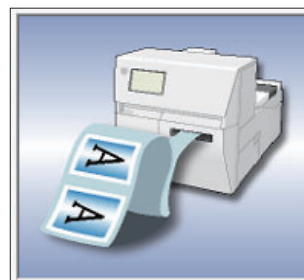
Feeding Direction



- Landscape/rotated 180 degrees



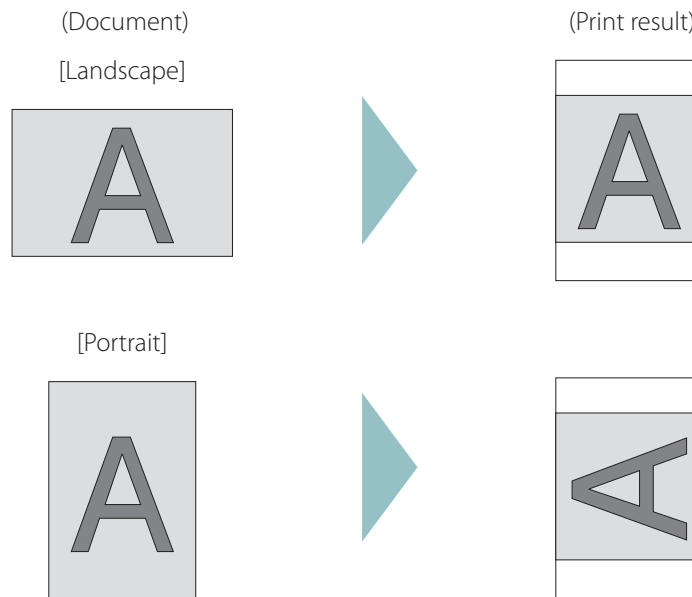
Feeding Direction



Setting the Print with the Selected Orientation

When you print to a media whose width is longer than its height, some application software may automatically change the media orientation, which could impact proper printing.

If this happens, check the [Print with the selected orientation] check box so that proper printing takes place according to the [Orientation] setting of the printer driver.



NOTE

- Choose this setting when proper printing is not possible from the application software. Normally, you do not have to Choose this setting.
- Even if [Print with the selected orientation] is specified, proper printing may not be possible from some application software.
- [Print with the selected orientation] setting does not affect [180-degree Rotation].

1 Open the printer driver setup [Printing Preference] window.

→ Opening the [Printing Preferences] Window from the [Printers & scanners] (P. 58)

2 Select the [Print with the selected orientation] check box.

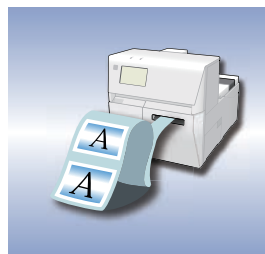
3 Set the [Orientation].

When printing a document is in the [Landscape]:
Select [Portrait] from the [Orientation] of the printer driver.

Document
[Landscape]

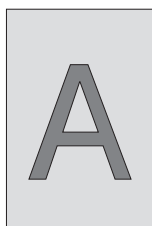


[Orientation] of the printer driver
[Portrait]

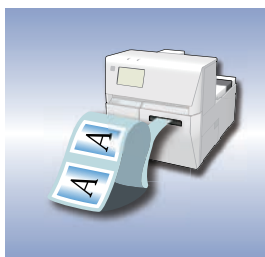


When printing a document is in the [Portrait]:
Select [Landscape] from the [Orientation] of the printer driver.

Document
[Portrait]



[Orientation] of the printer driver
[Landscape]



4 Click [OK].

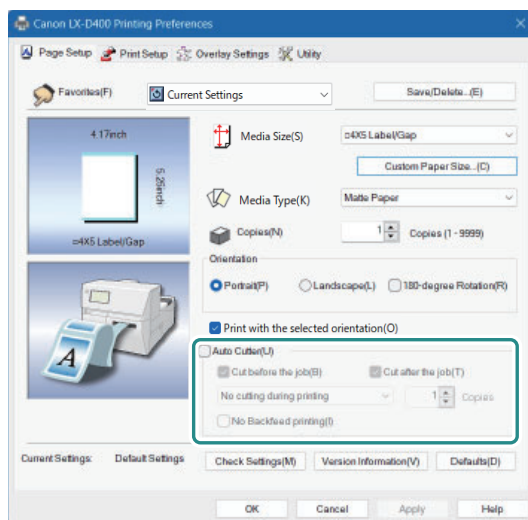
Configuring Cutter Settings

When using a job-actuated cutter, you can configure the paper cut timing and interval from the printer driver. Follow the steps below:

1 Open the printer driver setup [Printing Preference] window.

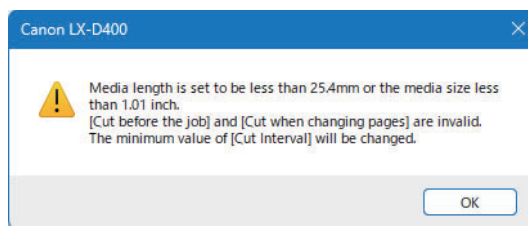
→ Opening the [Printing Preferences] Window from the [Printers & scanners] (P. 58)

2 Check [Auto Cutter] on the [Page Setup] tab.



NOTE

- The auto cutter has a limitation for the minimum cut length. If the media size is less than the minimum cut length, the following message is displayed:



3 Set the auto cutter cut interval.

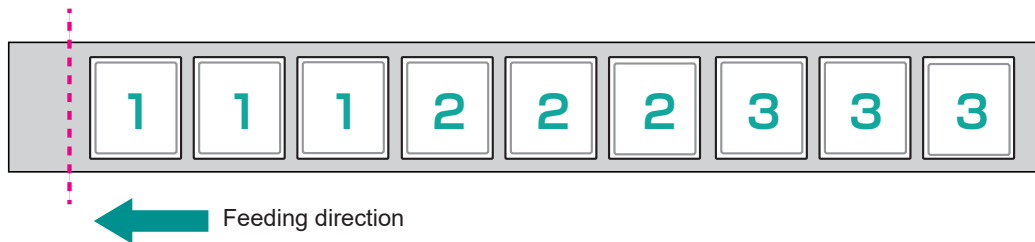
Set the timing at which to cut media, and the number of pages at intervals of which media is cut. Set how to cut media in the beginning and end of a job and in the middle of a job.

Setting How to Cut Media in the Before and After of a Job

Cut before the job

To cut at the beginning of the job, check [Cut before the job] check box.

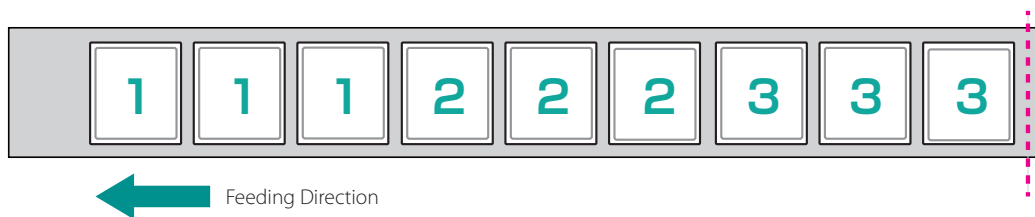
- Cutting image



Cut after the job

To cut at the end of the print job, check [Cut after the job] check box.

- Cutting image



NOTE

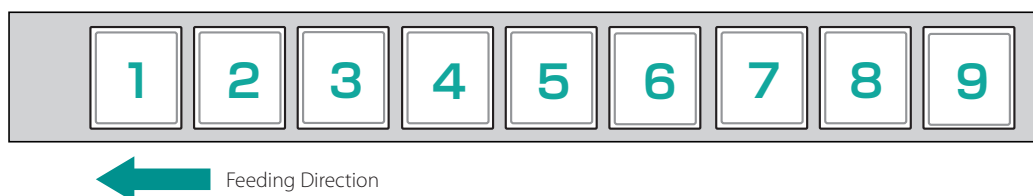
- If the total length of the job is 25.4 mm (1.01") or less, a blank may be inserted at the end to adjust to a size that can be cut.

Setting How to Cut During the Job

A cutting option during the job can be selected from the following three options:

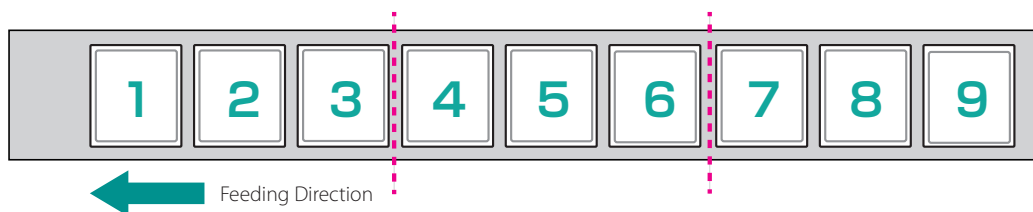
[No cutting during printing]

- Cutting image



[Cut to the specified number]

- Cutting image (when the pages are set to 3)

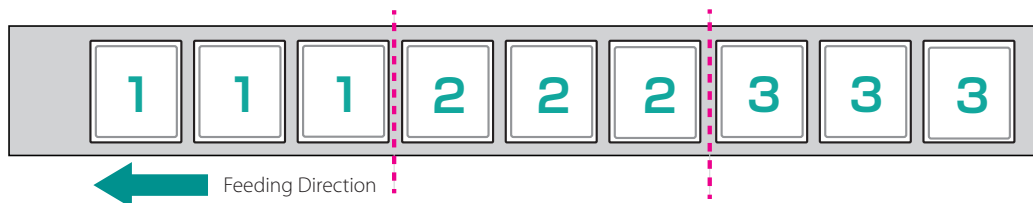


NOTE

- To specify the number of page(s), enter a value from 1 to 9999 in the box on the right.

[Cut when changing pages]

- Cutting image



NOTE

- If a media size shorter than the minimum cut length is selected, it will not be displayed.

IMPORTANT

- Even if [Cut after the job] is not selected, the media is cut between jobs when [Cut before the job] is enabled.
- When [Cut to the specified number] is selected for cutting during jobs, the last page will not be cut at the cut timing at the end of the job, if [Cut after the job] is not selected.
- If the print method setting for [Cut during the job] differs from the print method setting in the application software used for printing, the media will not be cut correctly. To cut the media correctly, be sure to align these print method settings.

4 To set no backfeed printing, check [No Backfeed printing].

No Backfeed printing is a mode that prints without media backfeed operation that is performed before cutting the media, etc. No backfeed printing help improve print efficiency when the number of pages per job is small. Depending on the image, however, horizontal stripes may appear or a part of the image may be missing.

IMPORTANT

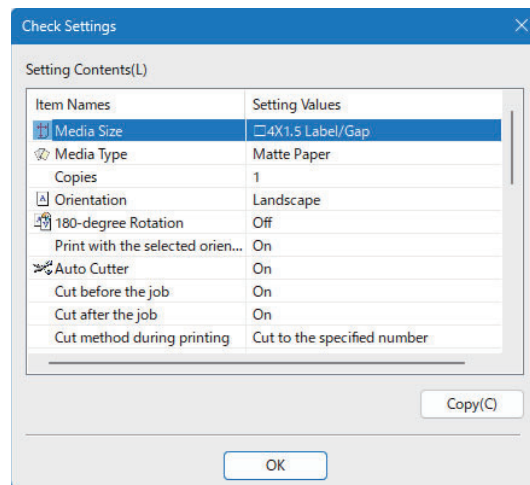
- When [No Backfeed Printing] is enabled and the cut interval is set to less than 150 mm, the cutter may lead to faster cutter wear.

NOTE

- When the [No Backfeed printing] check box is selected, the print speed is set to 50 mm/sec, disabling the [Automatic Speed] option. It cannot be selected for RFID print.

Checking the Setting Contents

Click [Check Settings] to confirm the current media settings.



NOTE

- Click [Copy] in [Check Settings] to copy the current settings to the OS clipboard.

Checking the Version Information

Follow this procedure to confirm the printer driver version and copyright information.
Click Version Information to open the Version Information dialog box.

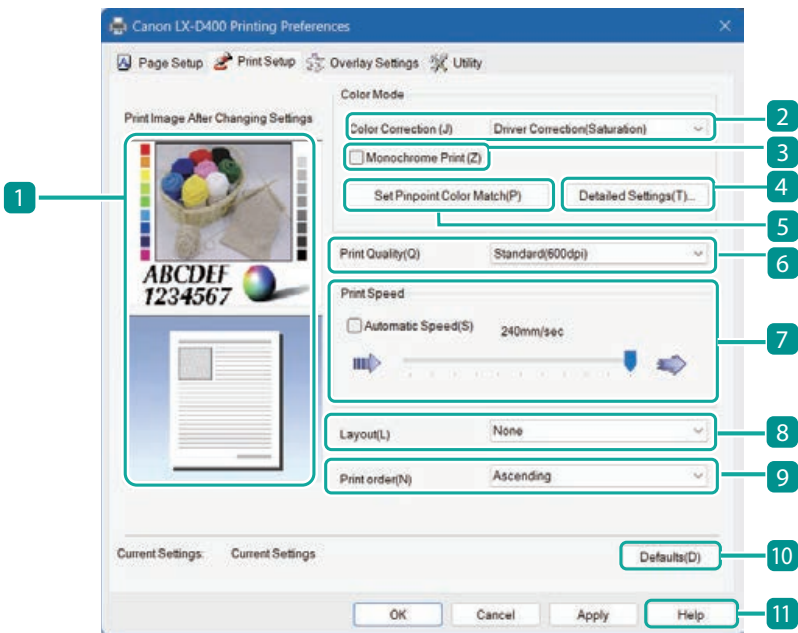


NOTE

- Serial number: Printer serial number
- ROM Version: Printer ROM version
- Printer Information may not be obtained due to the printer's connection status:
 - When not connected to the printer
 - When communication or the network is congested

Using Print Setup Features

Print quality and color settings can be configured in the [Print Setup] tab of the [Printing Preferences] window.



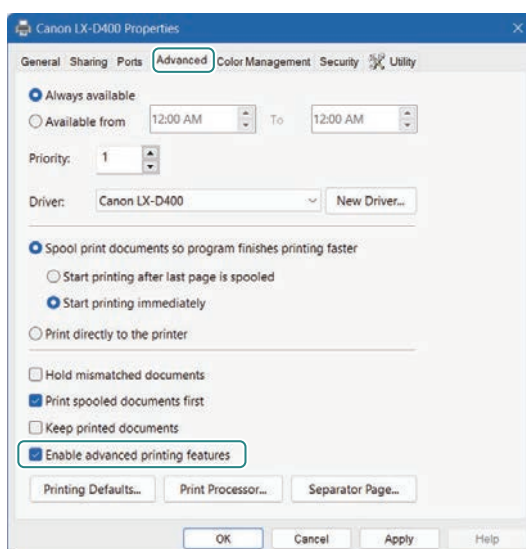
1	Settings view	Top: Preview of the image to be printed with the current color settings. Bottom: The print preview image is displayed when layout and page order are configured.
2	Color Correction	Select the color correction method. (→ P.85)
3	Monochrome Print	Select this check box to make black-and-white prints. (→ P.86)
4	Detailed Settings	Clicking this button displays the [Detailed Settings] dialog box. Use this dialog box to adjust advanced color settings. (→ P.98)
5	Set Pinpoint Color Match	Prints an image with colors close to the desired colors. Note (→ P.87)
6	Resolution	Select the resolution. (→ P.103) ✔ IMPORTANT Depending on [Media Type] settings, the selectable items may vary. [High(1200dpi)] Print quality is prioritized over print speed. [Standard(600dpi)] Standard speed and quality is used. The resolution is set according to the media type. [Fast(300dpi)] Speed is prioritized over print quality.
7	Print Speed	Set the printing speed. (→ P.104)

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8 Layout	Multiple labels are printed on a single labels of paper. (→ P.105) Select from [None], [2 frames], [4 frames], [6 frames], [9 frames], and [16 frames].
9 Print order	Set the print order. To print from the first page, select [Ascending]. To print from the last page, select [Descending]. (→ P.106) ✓ IMPORTANT When [Layout] is set to an option other than [None], pages are printed in the ascending order.
10 Defaults	Reset the [Advanced Settings] tab to its defaults.
11 Help	Click the button to display the online version of the User's Guide. When using the computer in an offline environment, the User's Guide must be installed to the computer. NOTE When using Microsoft Edge, ensure to update it to the latest version.

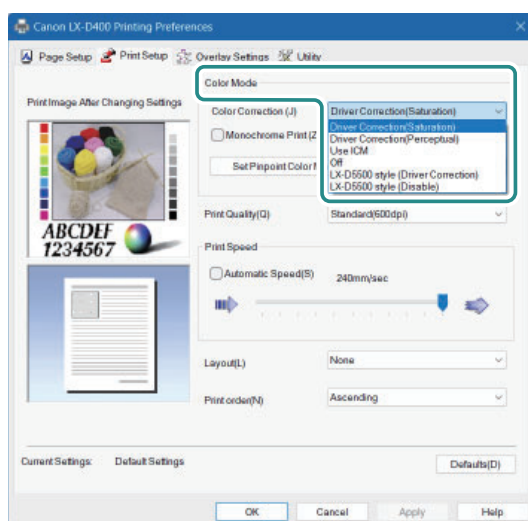
✓ IMPORTANT

- [Layout] and [Print Order] settings will not take effect unless the [Enable advanced print functions] checkbox in the [Detailed Settings] tab in the Printer properties screen is selected.



Selecting a Color Correction

It is possible to select a color correction method suitable for the label to be printed



[Driver Correction (Saturation)]	Color adjustment is optimized for this printer with focusing on color vividness.
[Driver Correction (Perceptual)]	Color adjustment is optimized for this printer focusing on reproducing general images with natural tones. Smooth gradation is featured. It is a mode easy to use when adjusting colors using application software.
[Use ICM]	Color correction with the printer driver is not performed; ICM is used to perform color correction. Select this option to correct colors using the Windows color correction function of ICM (Image Color Management).
[Off]	Image processing is performed at the highest speed without color correction.
[LX-D5500 style (Driver Correction LX-D5500)]	Color correction tailored to the [Driver Correction] setting of Canon LX-D5500. Select this option when printing a document with photo images.
[LX-D5500 style (Disable)]	Color correction tailored to the [Disable] setting of Canon LX-D5500.

✓ IMPORTANT

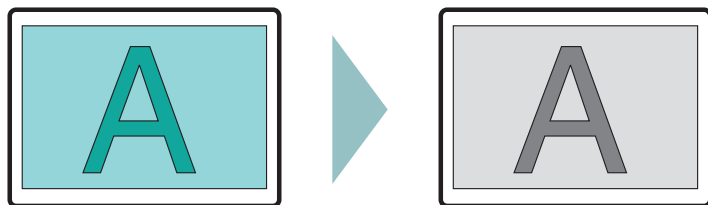
- When set to "Use ICM", "LX-D5500 style (Driver Correction)", or "LX-D5500 style (Disable)", [Pinpoint Color Match] (→ P.87) is not available.

📖 NOTE

- Select [Photo] if the print content includes both photos and graphics.
- When set to [Use ICM], [Off], or [LX-D5500 style (Disable)], [Brightness] in "Detailed Settings" is grayed out and the setting is disabled.

Printing in Black and White

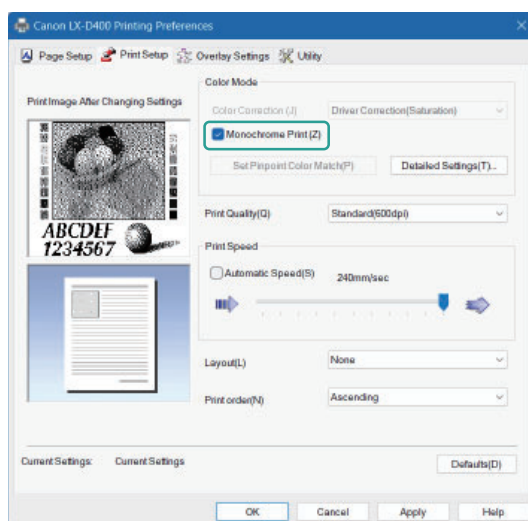
Color label can be printed in black and white.



1 Open the printer driver setup [Printing Preference] window.

→ Opening the [Printing Preferences] Window from the [Printers & scanners] (P. 58)

2 Select [Monochrome Print] under [Color Mode] in the [Print Setup] tab.



3 Click [OK] in the [Print Setup] dialog box.

This completes the configuration.

✓ IMPORTANT

- When [Monochrome Print] is selected, the printer driver processes the print data as sRGB data, and the print result may differ from the color tone of the image data.
- When printing Adobe RGB data in monochrome, convert it to sRGB data using application software before printing.
- When set to [Monochrome Print], [Pinpoint Color Match] (→ P.87) is not available.

📖 NOTE

- With [Monochrome Print], inks other than black ink may be used for printing.
- [Color Correction] in the "Print Setup" tab, and Cyan, Magenta, and Yellow in [Color Balance] as well as [Density] and [Contrast] in "Detailed Settings" are grayed out and cannot be set.

Using Pinpoint Color Match Function

Register a desired color, and you can print images in the intended color. Use this feature to finely adjust the color of, for example, a logo mark.

NOTE

- The target color must always be a single color. Images in gradations of any color cannot be selected for Pinpoint Color Matches.
- When an image in the target color (the same RGB values) is in the same data, this image also turns to the registered target color.

■ Registering a Desired Color

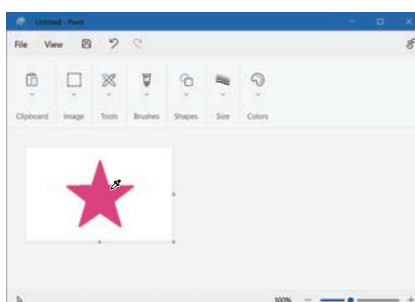
1 Open the printer properties window.

→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click [Pinpoint Color Match].

The [Pinpoint Color Match] dialog box appears.

3 Read the RGB values of a color for Pinpoint Color Match.

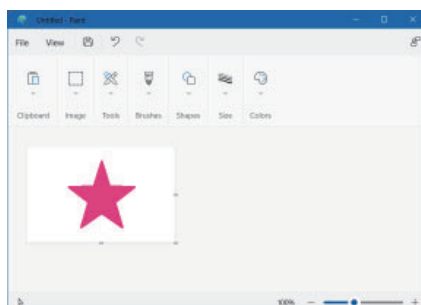


NOTE

- Use image processing software to read from a source image the RGB values of a desired color for Pinpoint Color Match.

Example: How to read the RGB values of a color using Microsoft Paint

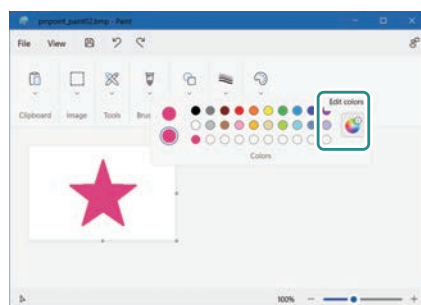
1) Start Paint and open the image.



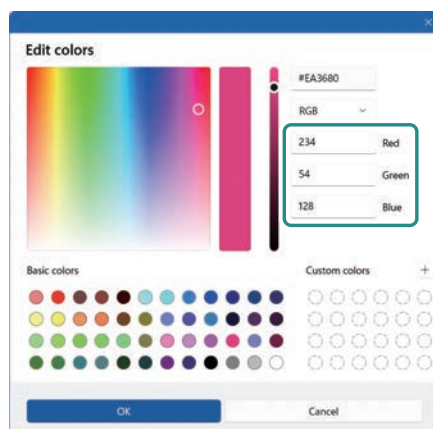
2) Click the color for Pinpoint Color Match using the [Color Picker] tool.



3) Click [Edit Colors].

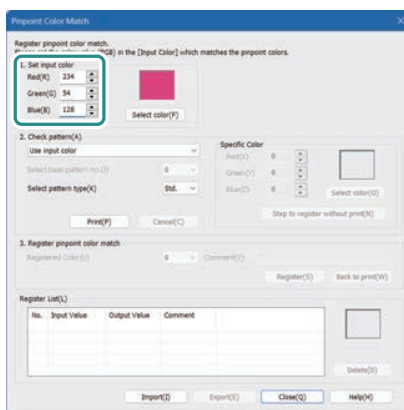


The RGB values appear for Red, Green, and Blue.



4 Enter the RGB values read in Step 1 in the Red, Green, and Blue boxes of "1. Set input color". Set input color".

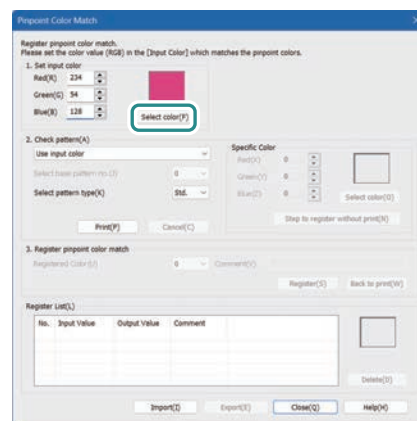
Entering the RGB values allows you to preview the specified color.



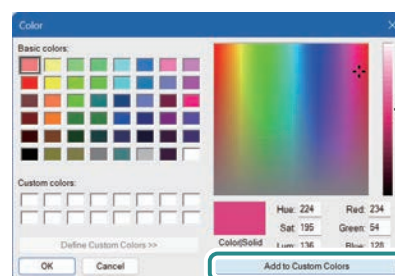
NOTE

- [Select color] may be used to input a color.

1. Click [Select color].



2. [Select a color from [Basic colors], or input color data and then click [Add to Custom Colors].



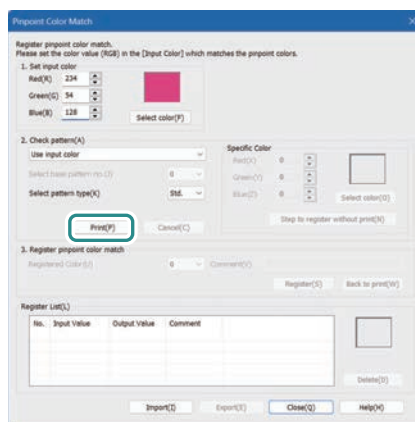
3. Click [OK].

5 Set [2. Check pattern].

Choose either of the following setting methods:

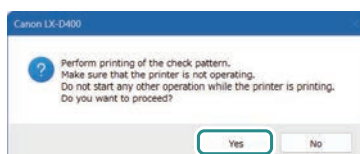
- Printing a check pattern to register the desired color.

1. Make sure that [Use input color] is selected, and then click [Print].

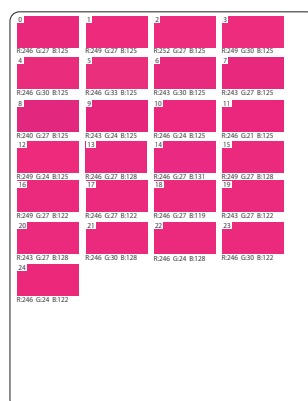


The confirmation message appears.

2. Click [Yes].



The printer outputs a check pattern, which is a color palette of approximate colors numbered 0 to 24.



NOTE

- Choose a type from [Select pattern type] as necessary.

Std.	The pattern consists of a basic color and its approximate colors evenly arranged around the basic color.
RG	Change the values of 2 colors, Red and Green, but not Blue.
GB	Change the values of 2 colors, Green and Blue, but not Red.
RB	Change the values of 2 colors, Red and Blue, but not Green.

3. Check the printed pattern.

When the desired color is found, proceed to set [3. Register pinpoint color match]. (→ P.52)

When the desired color is not found, proceed to Step 4.

4. When the desired color is not in the printed pattern, click [Back to Print].

Pinpoint Color Match

Register pinpoint color match.
Please set the color value (RGB) in the [Input Color] which matches the pinpoint colors.

1. Set input color
Red(R) 254
Green(G) 54
Blue(B) 128
Select color(F)

2. Check pattern(A)
Use input color
Select base pattern no.(L) 0
Select pattern type(K) Std.
Print(P) Cancel(C)

Specific Color
Red(R) 0
Green(Y) 0
Blue(Z) 0
Select color(O)
Step to register without print(N)

3. Register pinpoint color match
Registered Color(L) 0 Comment(V)
Register(S) Back to print(W)

Register List(L)

No.	Input Value	Output Value	Comment

Delete(D)

Import(I) Export(E) Close(Q) Help(H)

5. Make sure that [Use check pattern no.] is selected. Next, input the No. of the color closest to the desired color in the box for [Select base pattern no.].

Pinpoint Color Match

Register pinpoint color match.
Please set the color value (RGB) in the [Input Color] which matches the pinpoint colors.

1. Set input color
Red(R) 254
Green(G) 54
Blue(B) 128
Select color(F)

2. Check pattern(A)
Use check pattern no.
Select base pattern no.(L) 0
Select pattern type(K) Std.
Print(P) Cancel(C)

Specific Color
Red(R) 0
Green(Y) 0
Blue(Z) 0
Select color(O)
Step to register without print(N)

3. Register pinpoint color match
Registered Color(L) 0 Comment(V) magenta00
Register(S) Back to print(W)

Register List(L)

No.	Input Value	Output Value	Comment

Delete(D)

Import(I) Export(E) Close(Q) Help(H)

6. Click [Print].

Pinpoint Color Match

Register pinpoint color match.
Please set the color value (RGB) in the [Input Color] which matches the pinpoint colors.

1. Set input color
Red(R) 254
Green(G) 54
Blue(B) 128
Select color(F)

2. Check pattern(A)
Use check pattern no.
Select base pattern no.(L) 0
Select pattern type(K) Std.
Print(P) Cancel(C)

Specific Color
Red(R) 0
Green(Y) 0
Blue(Z) 0
Select color(O)
Step to register without print(N)

3. Register pinpoint color match
Registered Color(L) 0 Comment(V) magenta00
Register(S) Back to print(W)

Register List(L)

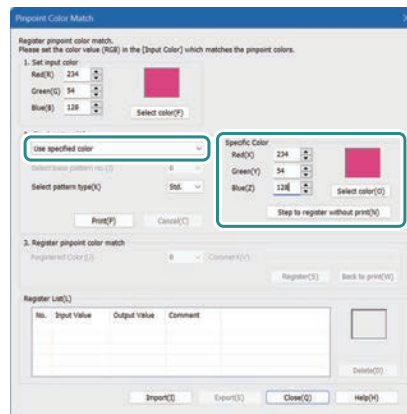
No.	Input Value	Output Value	Comment

Delete(D)

Import(I) Export(E) Close(Q) Help(H)

- Specifying a specific color to register the desired color.

1. Select [Use specified color], and the color data previously entered in [1. Set input color] appears in [Specific Color].
2. Click [Step to register without print].



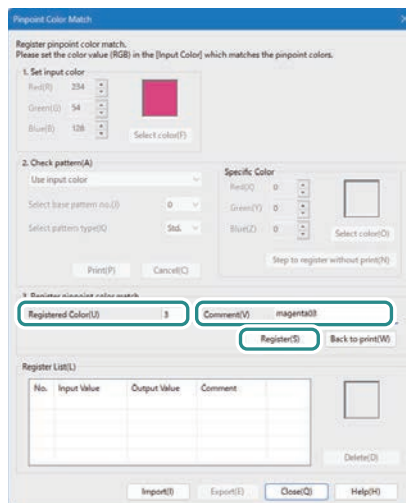
NOTE

- Click [Print] to print the check pattern.

6 Set [3. Register pinpoint color match].

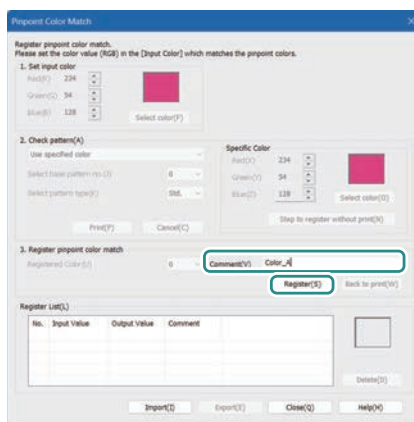
- Printing a check pattern to register the desired color.

1. From the pulldown menu, choose the No. (0 to 24) of the color closest to the one you wish to specify.
2. Enter any name in [Comment].
3. Click [Register].



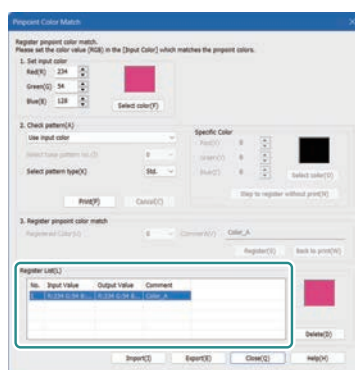
- Specifying a specific color to register the desired color.

1. Enter any name in [Comment].
2. Click [Register].

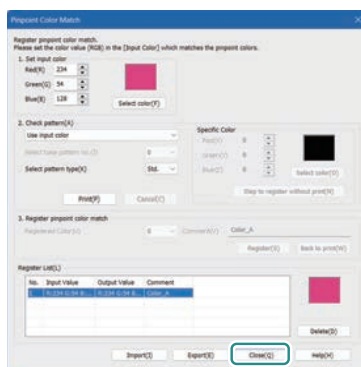


7 The specified color appears in [Register List].

Click the cell of the registered color to preview it.

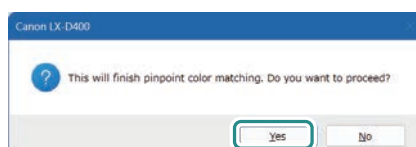


8 When Pinpoint Color Match registration is completed, click [Close].



The confirmation message appears.

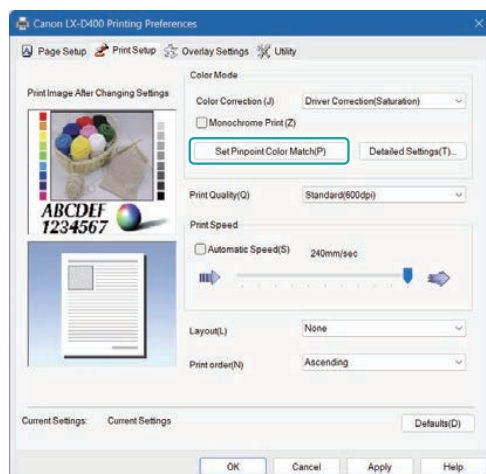
9 Click [Yes].



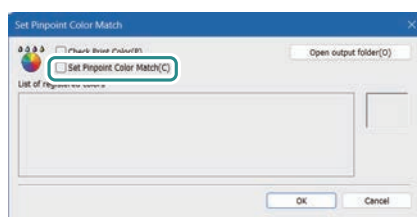
NOTE

- Click [Import] to print special colors created in another computer and [Export] to use registered special colors for printing with another computer. (file extension (*.bin))

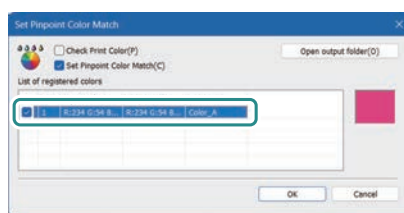
- the registered colors can be displayed using the procedure below:
- 1) Click [Set Pinpoint Color Match] in the [Print Setup] tab.



- 2) Select the [Set Pinpoint Color Match] checkbox.



The registered colors are displayed.

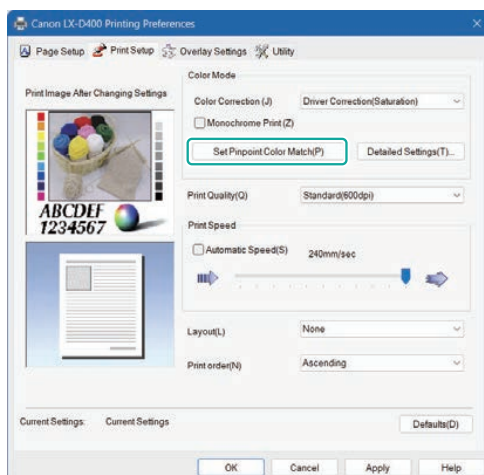


■ Print Using Registered Colors

1 Open the printer driver setup [Printing Preference] window.

→ [Opening the \[Printing Preferences\] Window from the \[Printers & scanners\] \(P. 58\)](#)

2 Click the [Print Setup] tab and then [Set Pinpoint Color Match].

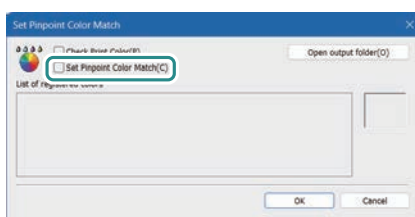


The [Pinpoint Color Match] dialog box appears.

✓ IMPORTANT

- If [Use ICM] is selected in Color Correction, or [Monochrome Print] is selected, [Pinpoint Color Match] is not available.
- [Selecting a Color Correction \(P. 85\)](#)
- [Printing in Black and White \(P. 86\)](#)

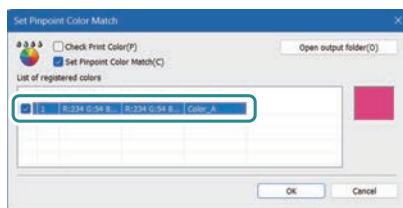
3 Mark the checkbox for [Set Pinpoint Color Match].



4 Select a color from [Register List] and then click [OK].

Click the cell of the registered color to preview it.

Clear the checkboxes for colors you do not wish to use for color adjustment.



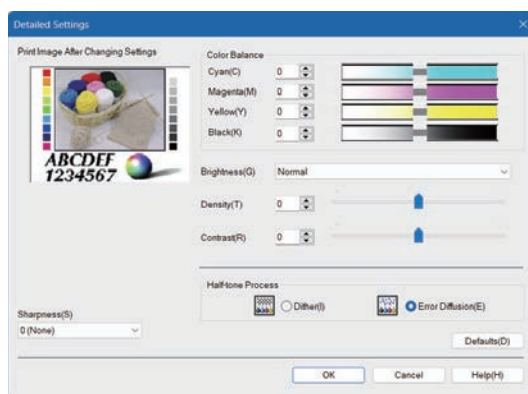
NOTE

- When [Check Print Color] is selected, a bitmap image is generated without printing the image data. Use this bitmap image to adjust colors when the print result differs from the desired color.
To open the folder where the bitmap image is stored, click [Open output folder].

5 Click [OK].

Adjusting Image Quality

To fine tune the image quality, use the [Detailed Settings] dialog box on the [Print Setup] tab.

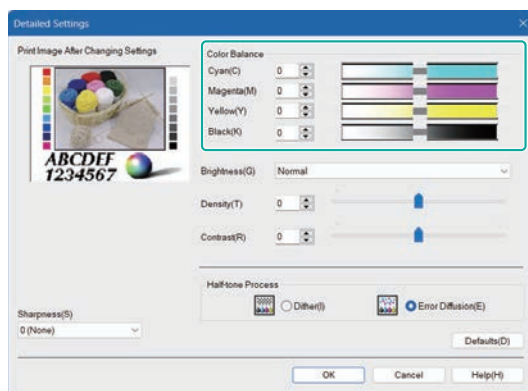


NOTE

- To restore the default settings of the [Detailed Settings] dialog box settings, click [Defaults] in the [Detailed Settings] dialog box.

■ Adjusting the Color Balance

In [Color Balance], adjust the density of each color: Cyan, Magenta, Yellow, Black.



Adjust the color balance by moving the sliders for each color.

The center of the slidebar is the default position (0). The slider can be moved between -50 to +50.

The more you move the slider to the left, the color becomes lighter. The more you move the slider to the right, the color becomes darker.

After adjustment, click [OK].

NOTE

- Color balance values can be directly entered into the entry box located to the left of the slider bars. Alternatively, clicking the arrows on both sides of the slidebar can decrease or increase the setting by 1.

■ Adjusting the Brightness

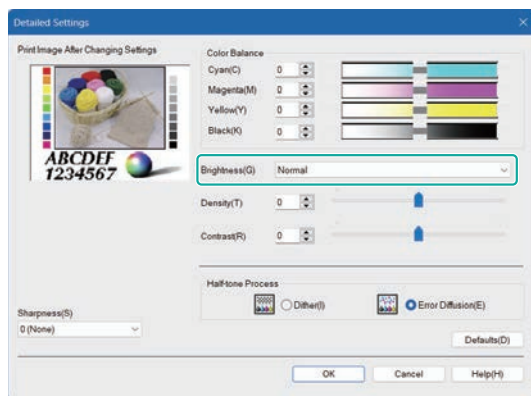
If you believe the overall image is too dark or too bright, a brightness adjustment can be made. This adjustment changes the mid-range colors without affecting the darkest or brightest areas of the image.

NOTE

- [Brightness] cannot be selected when [Color Correction] is set to [Off], [Use ICM] or [LX-D5500 style (Disable)].

For [Brightness], three options.

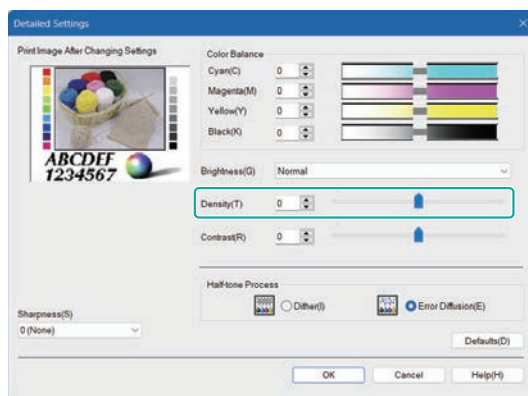
After configuration is done, click [OK].



[Brighter]	Make the brightness closer to a monitor with Gamma Factor 1.4. Print with a brighter appearance. Select this setting when you feel that the result is too dark.
[Normal]	Make the brightness closer to a monitor with Gamma Factor 1.8. Print at normal brightness. Use this setting at first, and change the [Brighter] and [Darker] adjustments if needed.
[Darker]	Make the brightness closer to a monitor with Gamma Factor 2.2. Print with a darker appearance. Select this setting when you feel that the result is too light.

■ Adjusting the Density

In [Density], adjust the overall density.



Adjust the density by moving the slider.

The center of the sidebar is the default position (0). The slider can be moved between -50 to +50.

Moving the slider to the left decreases the density. Moving the slider to the right increases the density.

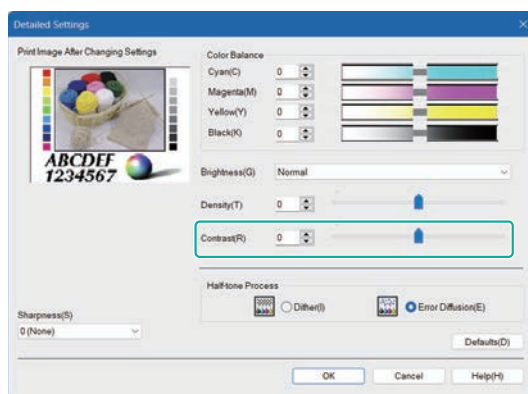
After adjustment, click [OK].

NOTE

- A density value can be directly entered into the entry box located to the left of the slider bar. Alternatively, clicking the arrows on both sides of the sidebar can decrease or increase the setting by 1.

■ Adjusting the Contrast

In [Contrast], adjust the overall contrast.



Adjust the contrast by moving the slider.

The center of the sidebar is the default position (0). The slider can be moved between -50 to +50.

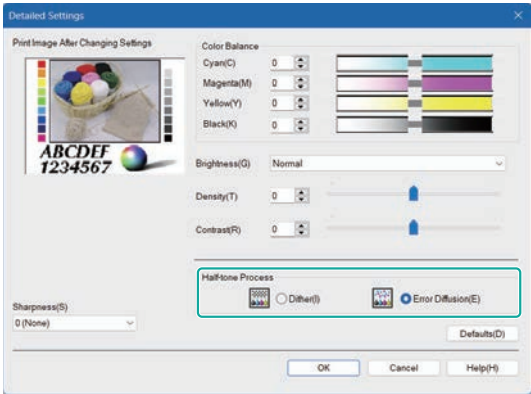
Moving the slider to the left decreases the contrast. Moving the slider to the right increases the contrast.

NOTE

- Contrast refers to the range (tolerance) from the black areas to the white areas of an image.
- A contrast value can be directly entered in the entry box located to the left of the slider bar.
- Alternatively, clicking the arrows on both sides of the sidebar can decrease or increases the setting by 1.

■ Selecting a Half-tone

The dot pattern or half tone can be adjusted to control print quality.
After configuration is done, click [OK].

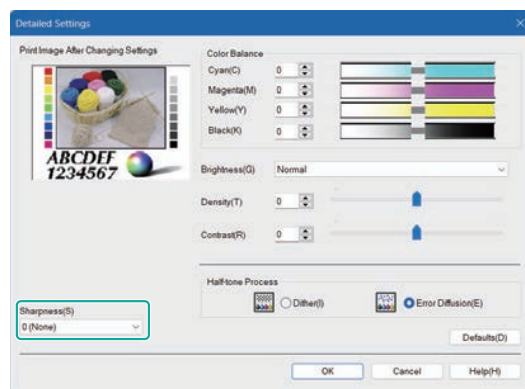


[Dither]	This method is suitable for printing of graphics requiring clear borders between colors.
[Error Diffusion]	This method is suitable for printing of photos and graphics requiring subtle gradation.

■ Setting the Sharpness

You can improve contours (edge definition) and reduce blurriness in an image by adjusting the sharpness. Four levels of sharpness can be selected from the pull-down menu: [0 (None)], [1 (Small)], [2 (Medium)], and [3 (Large)].

After selecting, click [OK].



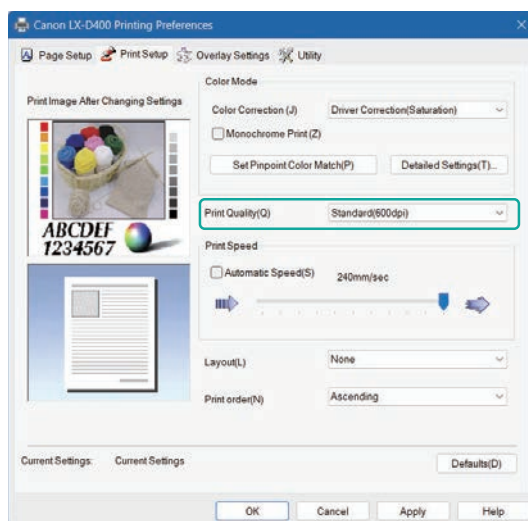
[0 (None)]	No adjustment is made to sharpness.
[1 (Small)]	To increase sharpness, select one of [1 (Small)], [2 (Medium)], and [3 (Large)].
[2 (Medium)]	The more the number, the more the contour enhancement effect.
[3 (Large)]	

✓ IMPORTANT

- [Pinpoint Color Match] (→ P.87) cannot be used when [Sharpness (any of 1 to 3)] selected.

Selecting a Resolution

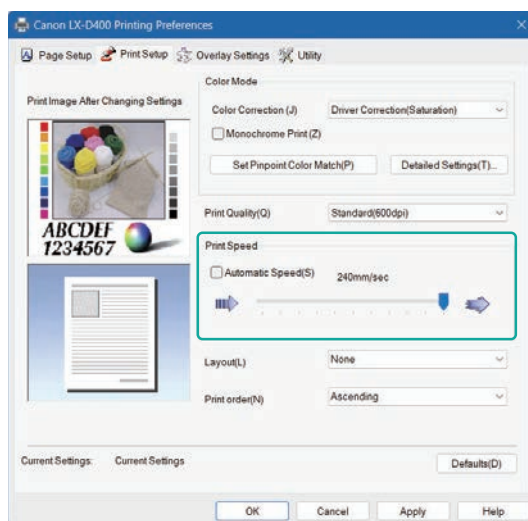
Resolution settings can be adjusted to control print quality.



[Fast(300dpi)]	Prints data after processing it for a resolution of 300x300 dpi.
[Standard(600dpi)]	Prints data after processing it for a resolution of 600x600 dpi.
[High(1200dpi)]	Prints data after processing it for a resolution of 1200x1200 dpi.

Adjusting the Print Speed

The print speed can be changed. The default value is set to [240 mm/sec].



✓ IMPORTANT

- When printing fanfold media with the [Automatic Speed] option enabled

If print unevenness occurs, disable the [Automatic Speed] and decrease the print speed manually.

- When printing on glossy paper/polypropylene

When [Media Type] is set to [Gloss Paper] or [Gloss Poly], the print speed automatically changes to 100 mm/sec, disabling the [Automatic Speed] option.

You can manually set the print speed faster than 100 mm/sec, but the ink may not sufficiently adhere to the media, risking smudging of the printed surface and inside the printer.

When setting a faster print speed, it is recommended to perform a test print before committing the change.

- When printing on High gloss paper

When [Media Type] is set to [High Gloss], the print speed automatically changes to 50 mm/sec, the print speed automatically changes to 50 mm/sec, disabling the [Automatic Speed] option.

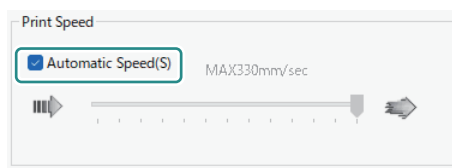
You can manually set the print speed faster than 50 mm/sec, but the ink may not sufficiently adhere to the media, risking smudging of the printed surface and inside the printer.

When setting a faster print speed, it is recommended to perform a test print before committing the change.

- Display of [Print Speed] on the [Print Setup] tab

If [Automatic Speed] is selected, the setting is cleared.

When changed from [Gloss Media], [Gloss Poly], or [High Gloss] to other media, slow print speed is selected. To change to a speed appropriate for the media, either select [Automatic Speed], or manually change the print speed.

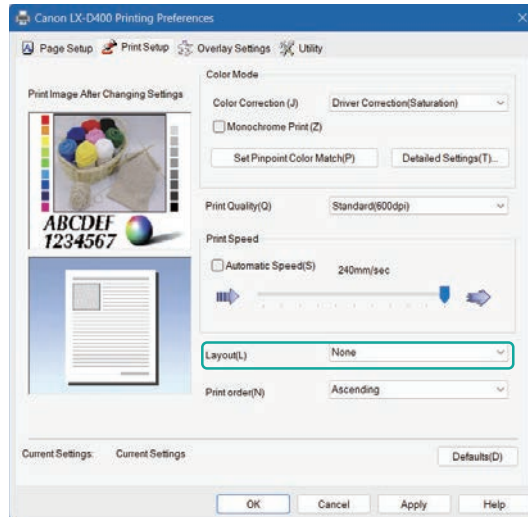


📖 NOTE

- By default, the slider is at the far right position. By moving the slider from right to left, slower printing speed can be specified. Make this adjustment when it is necessary to synchronize printing timing with downstream devices such as a media winding unit, or when printing speed affects the image.
- Check [Automatic Speed] to allow the print speed to vary automatically to suit the status of print data

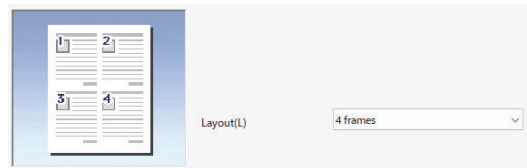
Printing Multiple Pages All on One Page

The page layout printing function allows you to print more than one page image on a single sheet of paper. Select [None], [2 frames], [4 frames], [6 frames], [9 frames], of [16 frames].



NOTE

- The print image for printing multiple pages per sheet can be displayed in the preview.

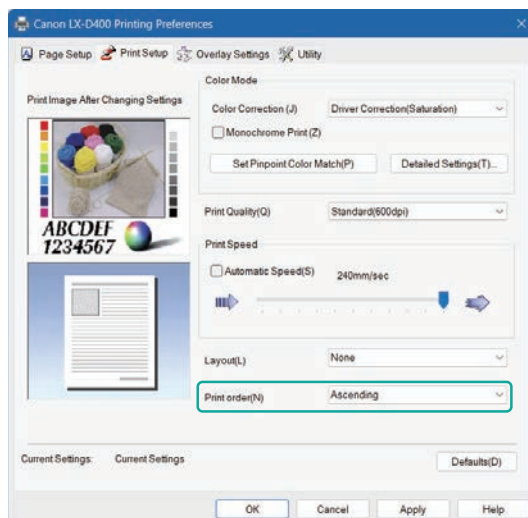


- When using [Layout] (selecting an option other than [None]), [Print Order] (→ P.106) is not available. Pages are printed in the ascending order.

Setting the Printing Order

Specify the print order.

Select [Ascending] to print from the first page; select [Descending] to print from the last page.



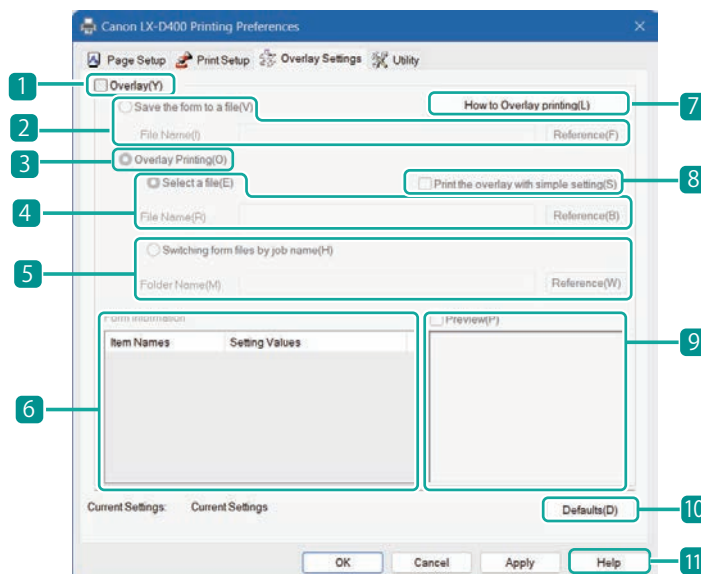
NOTE

- When using [Layout] (→ P.105) (selecting an option other than [None]), [Print Order] is not available. Pages are printed in the ascending order.

Using Overlay Settings Features

This section describes about the [Overlay] tab.

With overlay printing, you can create a background image as a form file in advance, then combine it with foreground images and text when printing.



1	Overlay	Select this option to enable overlay printing.
2	Save the form to a file	Configure settings for creating the form file.
3	Overlay Printing	Configure settings related to overlay printing.
4	Select a file	Select the file path of the form file used for overlay, or specify the folder to save the form file.
5	Switching form files by job name	Select the form file to use for the overlay by the job name.
6	Form information	The print settings information of the form file selected in [File Name] is displayed.
7	How to Overlay printing	Help for overlay printing is displayed.
8	Print the overlay with simple setting	When the checkbox is selected, the processing of the form file and print data becomes faster. IMPORTANT Changing the processing method may result in print result that does not match the intended image. Before committing changes, it is recommended to perform a test print to check the print result.
9	Preview	When the checkbox is selected, a preview of the file selected in [File Name] is displayed.
10	Defaults	The overlay setting is restored to the default.
11	Help	Click the button to display the online version of the User's Guide. When using the computer in an offline environment, the User's Guide must be installed to the computer. NOTE When using Microsoft Edge, ensure to update it to the latest version.

What is Overlay Printing

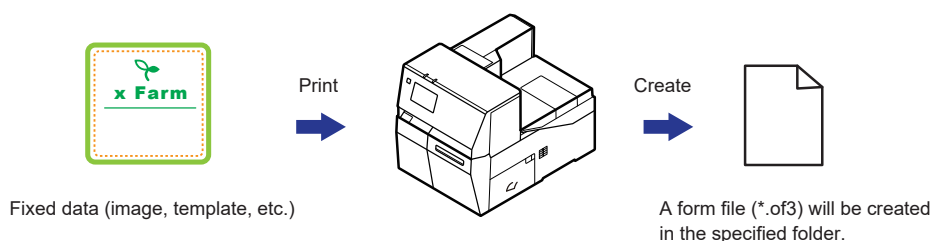
Overlay printing is a printer function which internally combines two pieces of data, i.e., the fixed data created in advance as a "form file" that is commonly printed on all pages and the data on each page of a document (variable data such as characters.) The combined data (form and variable data) is printed onto each printed sheet using the same form but different information from the variable data.

Data using a template containing a lot of images can be printed without transferring large-capacity image data to the printer many times, allowing the data to be printed quickly.

● Overlay printing process

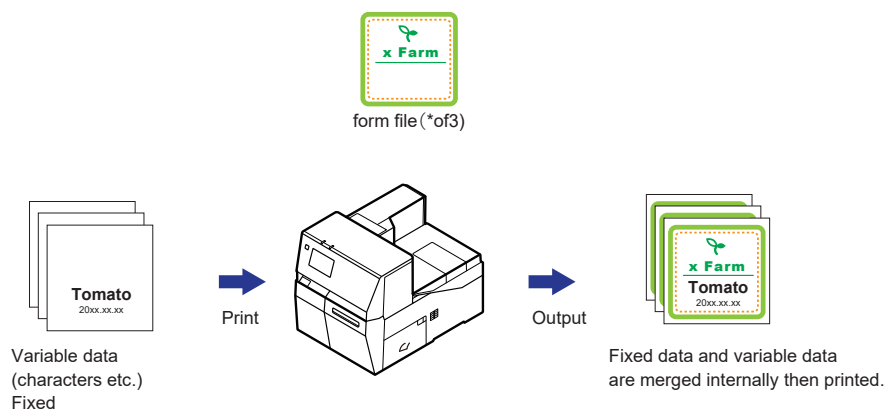
Step1: Print fixed data (image, template, etc.) to the printer to create a form file.

→ [Printing a Form to a File \(P. 109\)](#)



Step2: Print variable data such as characters, then use overlay printing.

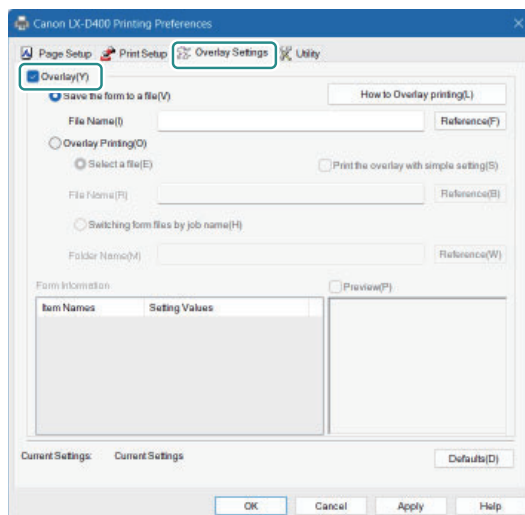
→ [Carrying Out Overlay Printing \(P. 111\)](#)



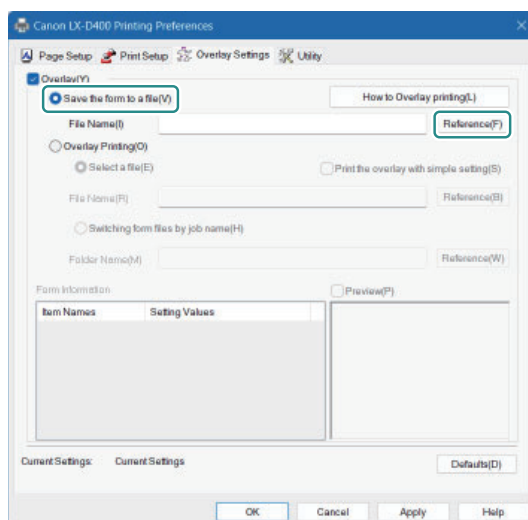
Printing a Form to a File

Send (print) fixed data (image, template, etc.) to the printer to create a form file.

- 1 Open the data to be created as a form file using the application software used to create the data.
- 2 Display the printer driver setup window from the application software.
- 3 Click the [Overlay Settings] tab, and then check the [Overlay] check box.



- 4 Select [Print the form to the file], and then click [Reference].



5 Specify the [File Name] and location to save the form file, and then click [Save].

6 Click [OK].

7 Click [Print] in the Print dialog box.

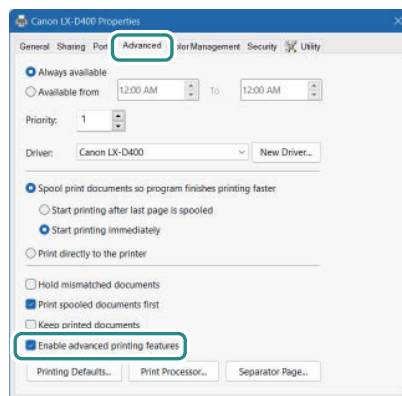
The form file (*.ofe3) is stored at the specified storage location.

 NOTE

- Even when two or more pages of print data are created as form files, they are stored as one file.

 IMPORTANT

- When carrying out overlay printing in the server/client environment, observe the following setting precautions:
 - Store the form file (*.ofe3) in a shared folder that can be referenced by both the server and client.
 - The file name to be entered in the [File Name] (storage location of form file (*.ofe)) entry box must be a path name (e.g., \\PC-Common\FormFolder\file.of3) that can be referenced by both the server and client over the network.
- If overlay printing cannot be performed even after setting the above, set the printer driver's spool format to "RAW mode" with the following procedure.
 1. Open the properties window of the printer. (→ P.59)
 2. Click on the [Advanced] tab and uncheck the [Enable advanced printing features].



The spool format will be set to RAW mode.

Carrying Out Overlay Printing

Use the created form file to perform overlay printing.

There are two options for overlay printing:

→ [Select the Form File and Print \(P. 111\)](#)

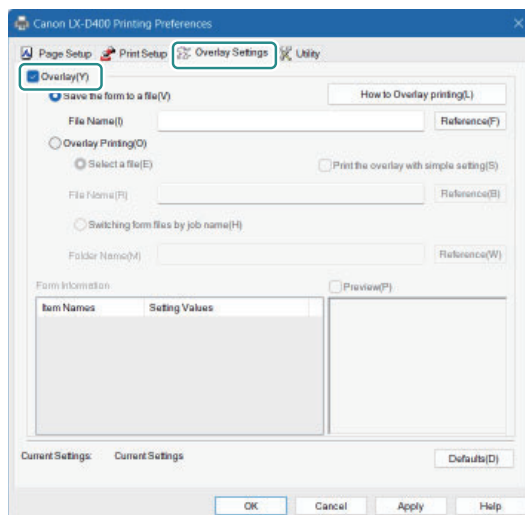
→ [Switch the Form File by the Job Name and Print \(P. 114\)](#)

■ Select the Form File and Print

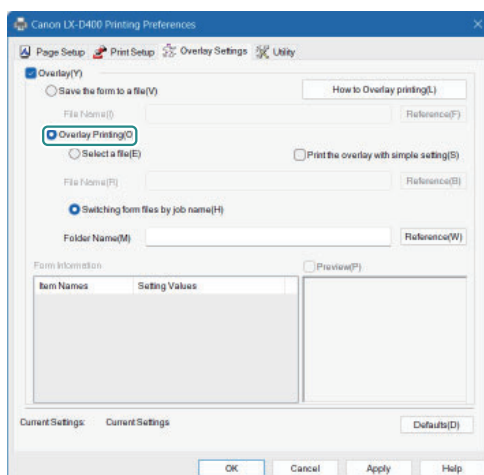
1 Open the printer driver setup [Printing Preference] window.

→ [Opening the \[Printing Preferences\] Window from the \[Printers & scanners\] \(P. 58\)](#)

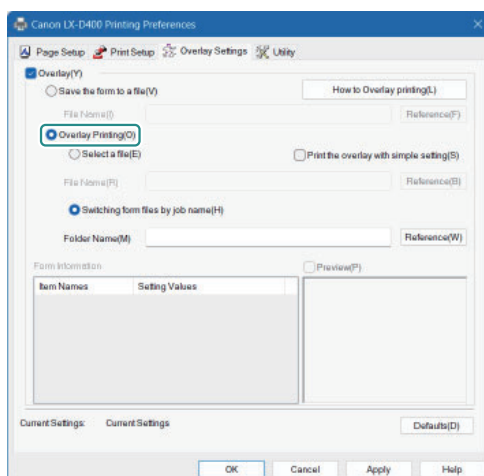
2 Click the [Overlay Settings] tab, and then check the [Overlay] check box.



3 Check the [Overlay Printing] check box.

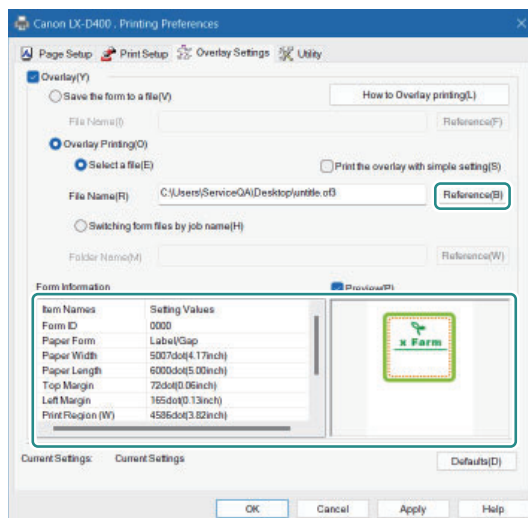


4 Check the [Select a file] check box.



5 Click [Reference], and then specify a form file (*.of3).

Confirm the information about the form file shown in the [Form File Information] and the [Preview] panes. To see the preview, check the [Preview] check box.



NOTE

- When the [Print the overlay with simple setting] check box is checked, overlay printing can be completed faster than normal overlay printing ([Print the overlay with simple setting] check box is not checked). However, since both the form file and document are printed in the portions where they overlap, colors of the form file and documents are mixed there. When normal overlay printing is performed ([Print the overlay with simple setting] check box is not checked), neither the form file nor document is printed in the portions where they overlap. Accordingly, the document is printed just like the original image.

6 Click [OK].

7 Click [Print] in the Print dialog box.

The document is printed over the form data.

■ Switch the Form File by the Job Name and Print

A form file can be selected using the job name of the data used for printing.

- **Naming convention for a job**

The print data file name is used for the job name. Enclose the form file name with @ to select the form file to use.

Example) To print print data [Goods_List_Cover.xlsx] using the form file [Form1-1.of3]

Name the print data file as [Goods_List_Cover@Form1-1@.xlsx]

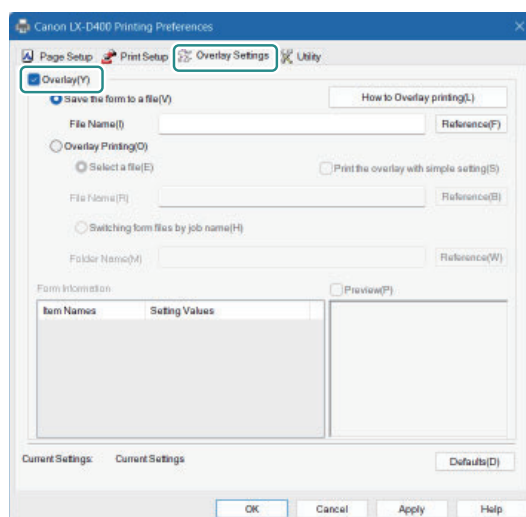
NOTE

- The form file specified by the job name must be saved in the same folder as the print data.

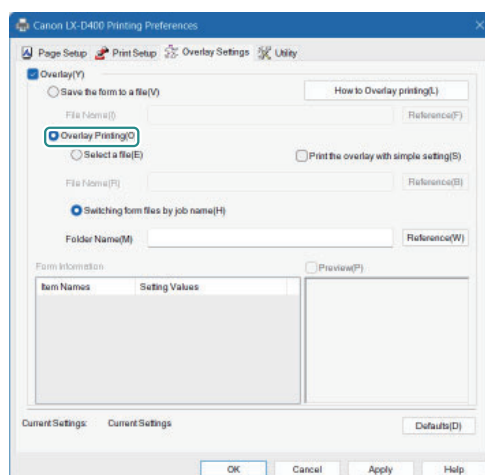
1 Open the printer driver setup [Printing Preference] window.

→ Opening the [Printing Preferences] Window from the [Printers & scanners] (P. 58)

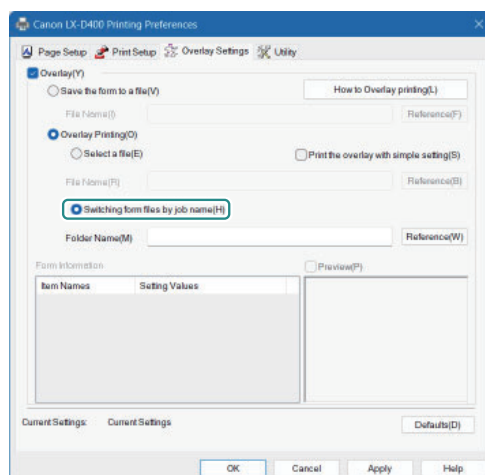
2 Click the [Overlay Settings] tab, and then check the [Overlay] check box.



3 Check the [Overlay Printing] check box.



4 Check the [Switching form files by job name] check box.

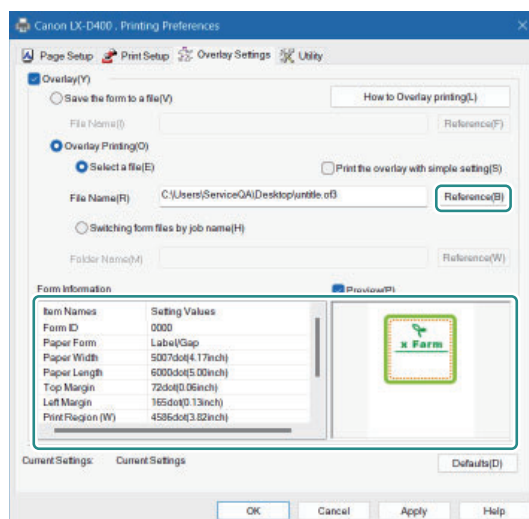


NOTE

- If print settings information differs between the print data and the form file, overlay printing is not available. However, when printing the document in monochrome, you can perform overlay printing even if the number of colors differs from the form data.
- Some form files may not show its information in the [Form File Information] and the [Preview] panes.

5 Click [Reference], and then specify a form file (*.xlsx).

Confirm the information about the form file shown in the [Form File Information] and the [Preview] panes. To see the preview, check the [Preview] check box.



NOTE

- When the [Print the overlay with simple setting] check box is checked, overlay printing can be completed faster than normal overlay printing ([Print the overlay with simple setting] check box is not checked). However, since both the form file and document are printed in the portions where they overlap, colors of the form file and documents are mixed there. When normal overlay printing is performed ([Print the overlay with simple setting] check box is not checked), neither the form file nor document is printed in the portions where they overlap. Accordingly, the document is printed just like the original image.

6 Click [OK].

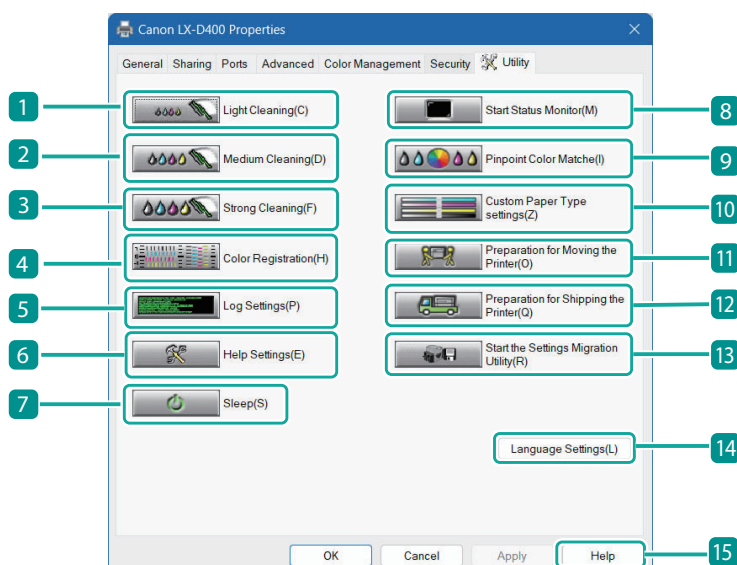
7 Click [Print] in the Print dialog box.

The document is printed over the form data.

Using Utility Features

This section describes about the [Utility] tab.

Use the [Utility] tab to configure settings related to printer maintenance, launching the status monitor, the printer's power-saving functions, and so on.



1 Light Cleaning	Cleans the Printhead. Cleaning improves clogs in the Printhead nozzles. Use this function when ink is sufficient but printing is faint or specific colors cannot be printed. (→ P.271)
2 Medium Cleaning	
3 Strong Cleaning	
4 Color Registration*	Adjusts the Printhead positions. (→ P.275)
5 Log Settings	Outputs the printer's set values file and log file. (→ P.119)
6 Help Settings	Sets the reference destination when displaying Help.
7 Sleep	Switches the printer to the sleep mode. (→ P.121)
8 Start Status Monitor	Displays the Status Monitor window. (→ P.139)
9 Pinpoint Color Match *	Create and register colors for special color matching, as for logo marks. (→ P.87)
10 Custom Media Type setting*	Changes the amount of ink used for printing. (→ P.122)
11 Preparation for Moving the Printer*	Prepares for relocating the printer on the same floor or to another floor in the same building. (→ P.258)
12 Preparation for Shipping the Printer*	Prepares for long-haul transport, as on truck or aboard aircraft. (→ P.263)

13	Start the Setting Migration Utility*	Launches the Start the Settings Migration Utility. (→ P.125)
14	Language Settings	Sets the driver's display language.
15	Help	Click the button to display the online version of the User's Guide. When using the computer in an offline environment, the User's Guide must be installed to the computer.  NOTE When using Microsoft Edge, ensure to update it to the latest version.

* Items on the [Utility] tab of the printer properties window.

The settings that can be configured on the [Utility] tab of the printer properties window are different from those that can be configured on the [Utility] tab of the printing preferences window.

✓ IMPORTANT

- When configuring items on the [Utility] tab, the printer must be powered on and connected to the computer.

• Administrative privileges required for certain features

Administrative privileges over this printer are required when configuring settings (marked with *) on the [Utility] tab of the printer properties window. If a user without administrative privileges over this printer attempts to configure settings, contact the administrator of the computer and proceed with operation following the procedure below.

- Open the properties window of the printer. (→ P.59)
The printer's properties window is displayed.
- Click [Change Properties] in the [General] tab.
If the [User Account Control] screen appears, enter the password of the administrator of this printer.

Output Setting Value /Exporting Logs

Export configuration information and operation log data of this printer.

NOTE

- If the printer is not "Online" or in "Sleep", its set values or log cannot be exported. Check the printer status before using this procedure.
→ [How to Start and Display the Status Monitor \(P. 140\)](#)

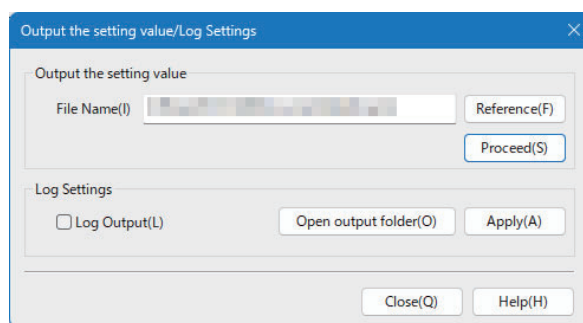
■ Output Setting Value

1 Open the printer properties window.

→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click [Log Settings].

A dialog box appears.



NOTE

- The directory to save the set values is set by default to the location below:
C:\Users\Public\Documents\Canon\Canon LX-D400\Log
To configure the output destination folder and the file name, click [Reference] and set them in the displayed dialog box.
- To export the printer's operation logs, follow the steps below:
 1. Check [Log Output] check box.
 2. Click [Apply].

3 Confirm the output settings, and click [Proceed].

The current configuration information of the printer is exported to the specified folder.

NOTE

- The set values are exported to a text file (file extension: .txt), and the log is exported as a PM file (file extension: .pm).
- The items exported by Output Setting Values are as follows:

• Media Size	• Media Type	• Copies
• Orientation	• 180- degree Rotation	• Print with the selected orientation
• Auto Cutter	• Cut before the job	• Cut after the job
• Cut during the job	• Cut Interval Setting	• No Backfeed printing
• Color Correction	• Monochrome Print	• Print Quality
• Print Speed	• Layout	• Print order
• Pinpoint Color Match	• Check Print Color	• Color Balance
• Half-tone Process	• Brightness	• Sharpness
• Density	• Contrast	• Overlay
• Overlay Printing	• Preview	• Print the overlay with simple setting

■ Exporting Logs

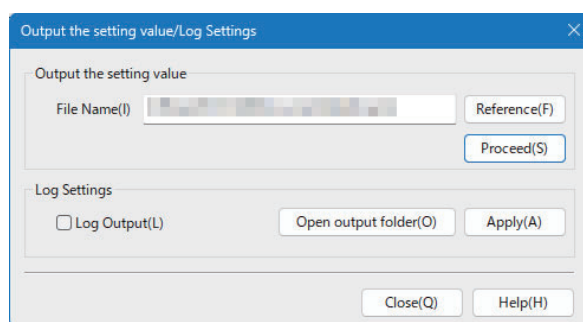
通常は使用しません。サービス担当者からトラブル対応のためにプリンターのログファイル保存のお願いがあったときに使用します。

1 Open the printer properties window.

→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click [Log Settings].

A dialog box appears.



3 Check [Log Setting] and click [Apply].

NOTE

- When you open the [Utility] tab from Print Setup, items in [Log Settings] are grayed out and disabled.

Placing the Printer in Sleep Mode

Switch the printer to sleep mode.

NOTE

- When printing is in progress or an error has occurred, the printer cannot be switched to sleep mode.
- The printer is automatically switched back from sleep mode to online in the following cases:
 - When the Power key is pressed.
 - When print data is received.
 - When cleaning, etc. is performed.
-

1 Make sure the printer is online.

Confirm that the status lamp is turned on.

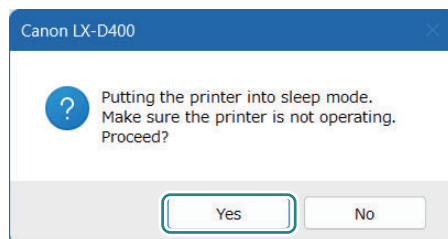
2 Open the printer properties window.

→ [Opening the Printer Properties Window \(P. 59\)](#)

3 Display the [Utility] tab and Click [Sleep].

A confirmation message appears.

4 Click [Yes].



A message "Migrating to Sleep Mode..." is displayed on the touch panel, and the printer enters sleep mode.

NOTE

- You can also switch the printer to sleep mode from the printer's operation panel.
 - [Entering Sleep Mode \(P. 11\)](#)

Changing the Ink Jetting Amount for Printing

Change the amount of ink used for printing.

You can adjust the overall density, changing color settings such as color balance and density to exceed the setting range. You must first register a new media type before increasing the ink jetting amount for printing.

✓ IMPORTANT

- Up to 100 custom media types can be registered.
- Pre-registered media types (Matte Paper/ Gloss Paper/ High Gloss / Matte Poly / Thin Matte Paper/ Gloss Poly) cannot be changed.
- When using a newly registered media type, the Utility's [Pinpoint Color Match] (→ P.87) is not available.

• When increasing ink jetting amount for printing

Printing may take a long time or produce blurred images.

Set Print Speed to [Auto] to adjust the speed to suit the image status. If the print result still needs improvement, reduce the speed to 100 mm/sec or lower. (→ P.104)

- Print ink may dry slowly.

After printing, the printed media may take some time to dry. In such a case, do not touch the printed surface until the media has dried sufficiently. Also, when drying, it is recommended to keep each sheet of media separated so that they do not overlap.

- The transport area may get stained.

Clean the transport area if stains appear on printed media.

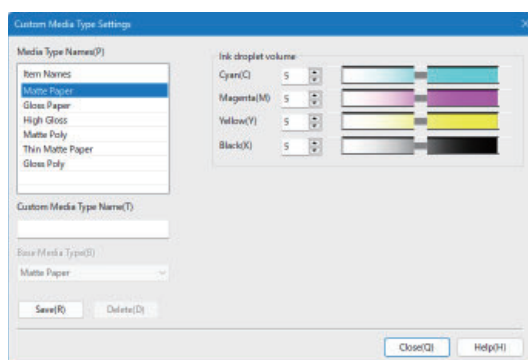
- [Automatic Speed] cannot be selected for the print speed setting.

1 Open the printer properties window.

→ Opening the Printer Properties Window (P. 59)

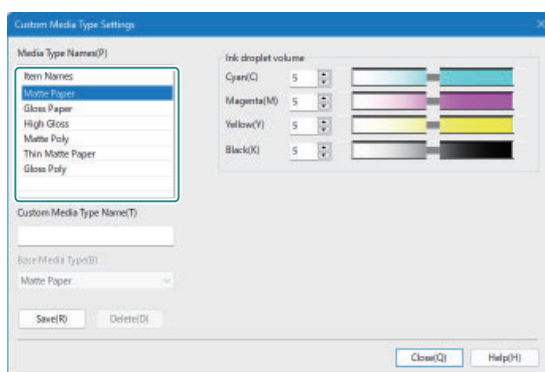
2 Open the Utility tab and click [Custom Media Type setting].

The Custom Media Type setting dialog box appears.

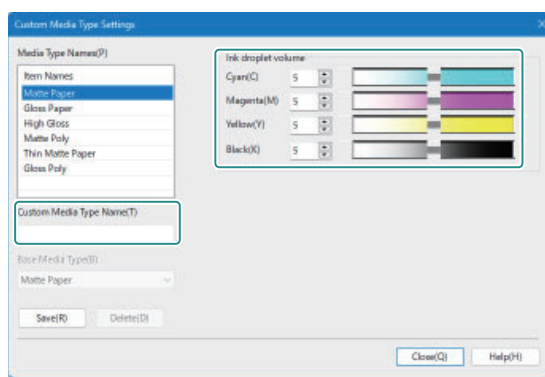


3 Select the profile from [Media Type Names].

Select one from Matte Paper , Gloss Paper , High Gloss , Matte Poly ,Thin Matte Paper and Gloss Poly.

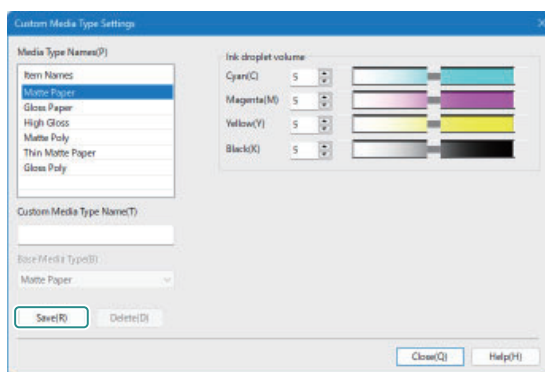


4 Enter information about new media type.



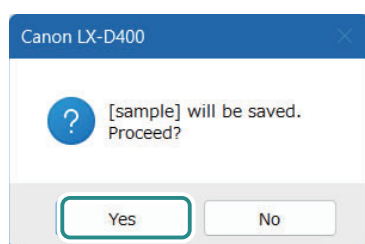
Custom Media Type Name	Enter the name of new media. Can be entered up to 31 characters.
Ink droplet volume	Set ink jetting amounts for respective colors. Moving the slider to the left decreases the ink jetting amount, and moving the slider to the right increases the ink jetting amount.  NOTE Determine the ink jetting amounts optimum for the selected type of media after conducting the print test several times.

5 Click [Save].



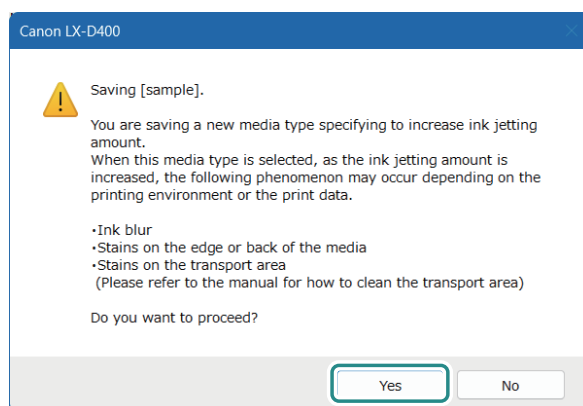
A confirmation message appears.

6 Click [Yes].



NOTE

- When registering a new media type specifying to increase ink jetting amount, a confirmation message such as the following will be displayed. Confirm the message, and then click [Yes].



The media types are registered in the [Media Type Names].

7 Click [Close].

Importing/Exporting Media Settings

Using the [Start the Settings Migration Utility], you can load (import) the registered setting contents into another printer driver and save (export) those setting contents to a file.

For example, when you add a printer or upgrade the printer driver version, you can print using the registered settings, without registering the same setting contents again.

NOTE

- The setting contents that can be imported/exported are as follows:
 - Print settings registered to [Favorites] on the [Page Setup] tab
 - Media sizes registered to [Media Size] on the [Page Setup] tab
- The settings information can be directly loaded from the printer driver without saving it to a file.
→ [Saving Setting Contents \(Import\) \(P. 131\)](#)
- Import/export can be performed between the following models:
 - From LX-D5500 to LX-D400
 - From LX-D400 to LX-D400
- When importing settings from LX-D5500 to LX-D400, only the [Media Size] setting can be imported. In addition, the LX-D5500 export file cannot be used.
Follow the steps in "[Importing directly from the printer driver \(P. 134\)](#)".

■ Exporting Settings Information

Save the printer driver's setting contents to a file.

The printer driver's settings information can be exported in two ways:

- Export settings information in a batch (→ [P.126](#))
All settings information (favorites, custom media sizes) registered in the printer driver is saved at once.
- Export selected settings information (→ [P.128](#))
From the list of settings information items, select and save only the desired items. You can also load an existing export file and register additional settings.

● Exporting settings information in a batch

1 Open the printer properties window.

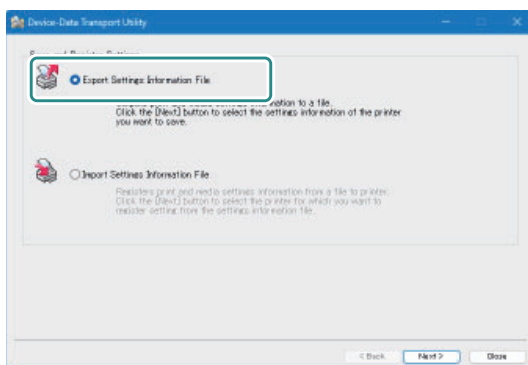
→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click the [Start the Settings Migration Utility].

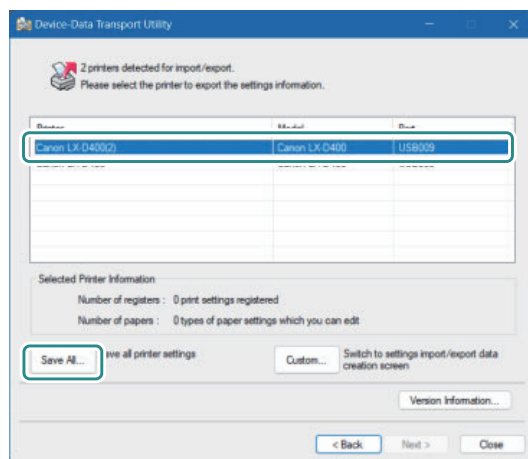
NOTE

- When the “User Account Control” screen appears, click [Yes].

3 Select [Export Settings Information File], and click [Next].



4 From the list, select the printer (driver) to export, and click [Save All...].



The “Confirm Settings Import/Export Data” dialog box appears.

5 Click [OK].

The screen to specify the destination to save the export file appears.

6 Choose the directory to save the file, and enter the file name (*.tdd).

7 Click [Save].

The export file is saved. Proceed according to the export method.

8 Click [OK].

9 Exit the [Start the Settings Migration Utility].

Click [Close].

● Exporting selected settings information

1 Open the printer properties window.

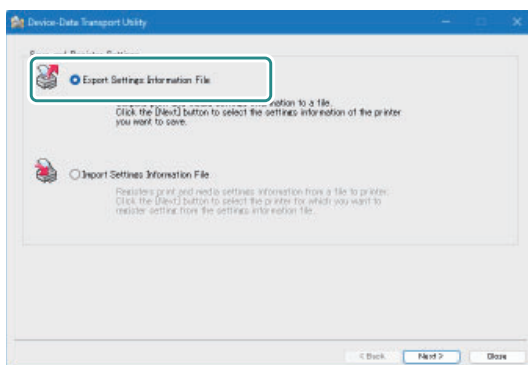
→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click the [Start the Settings Migration Utility].

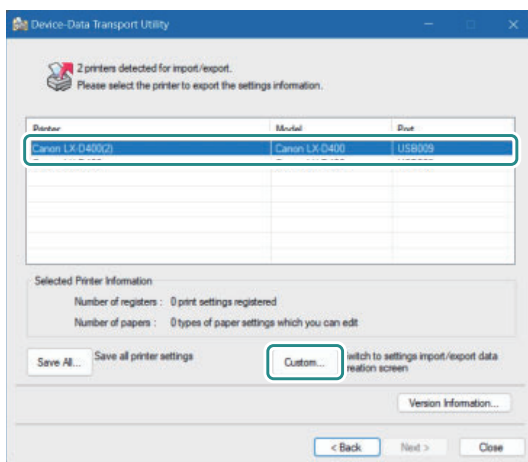
NOTE

- When the “User Account Control” screen appears, click [Yes].

3 Select [Export Settings Information File], and click [Next].



4 From the list, select the printer (driver) to export, and click [Custom].



The “Create Settings Import/Export Data” dialog box appears.

5 From the settings information items registered in the printer driver, select the item to save to the export file.

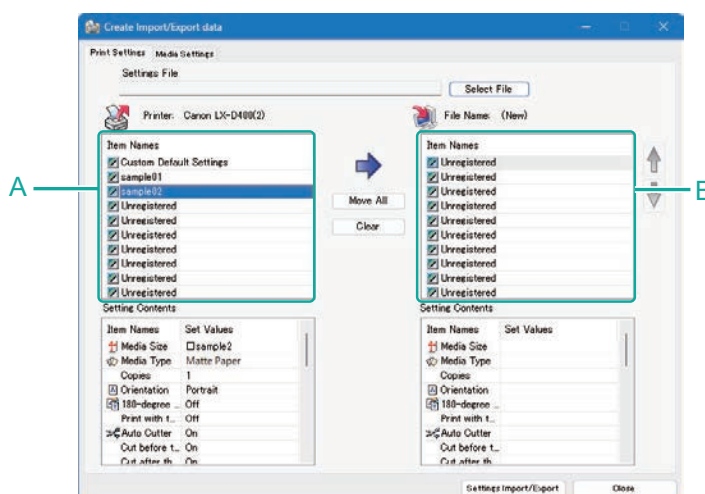
The settings information available for export is grouped into the following two tabs. Select and save the desired settings from each tab.

[Print Settings] tab:

From the print settings registered to [Favorites] in the [Page Setup] tab, select the settings to save to the export file.

[Media Settings] tab:

From the custom media sizes registered to [Media Size] in the [Page Setup] sheet, select the settings to save to the export file.



Drag and drop the desired settings from A (settings registered to the printer driver) to B (settings to be saved to the export file).

When an item is dropped to “Unregistered”:

The setting is added to the end of the list.

When a setting is dropped to an already registered item name (Media Name) :

The setting for that item names (Media Name) is overwritten.

To register all settings at once:

Click [Move All]. Moving all items at once will overwrite all existing settings information.



NOTE

- You can register up to 10 print settings and up to 50 media types.
- To sort the order of the settings to save to the export file, use the up/down buttons next to the settings items.
- To restore all settings to their original state, click the [Clear] button.
- To add settings to an existing export file and save it, click [Select File], then select the file.

6 Click [Settings Import/Export].

The [Confirm Settings Import/Export Data] dialog box is displayed.

7 Click [OK].

The screen to specify the destination to save the export file appears.

8 Choose the directory to save the file, and enter the file name (*.tdd).

9 Click [Save].

The export file is saved.

10 Click [OK].

11 Exit the [Start the Settings Migration Utility].

Click [Close].

■ Saving Setting Contents (Import)

You can import the printer driver's settings information using one of the following methods:

- Import an export file (→ P.131)
Prepare a file (export file) containing the printer driver's settings information in advance, and load the settings information from the file.
- Import directly from the printer driver (→ P.134)
Directly load settings information from another LX-D400 or LX-D5500 printer driver.
- Importing an export file

1 Open the printer properties window.

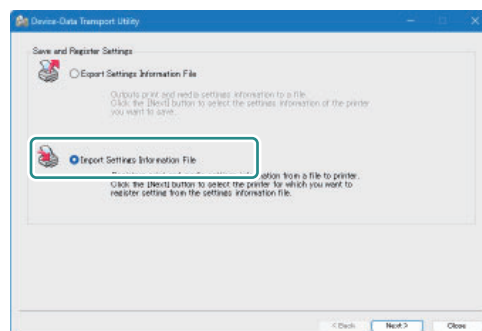
→ Opening the Printer Properties Window (P. 59)

2 Open the Utility tab and click the [Start the Settings Migration Utility].

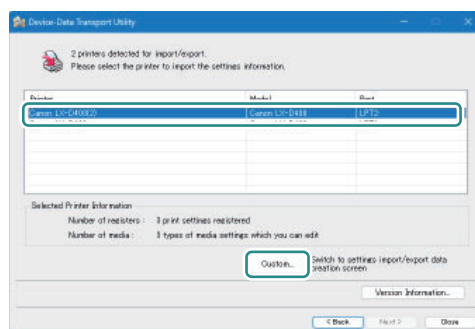
NOTE

- When the "User Account Control" screen appears, click [Yes].

3 Select [Import Settings Information File], then click [Next].



-
- 4** From the list, select the printer (driver) to import, then click [Custom].



The “Create Import/Export data” dialog box is displayed.

-
- 5** Click [Select file].

-
- 6** Select the export file (*.tdd), and click [Open].

7 From the settings information saved in the export file, choose the settings information to load into the printer driver.

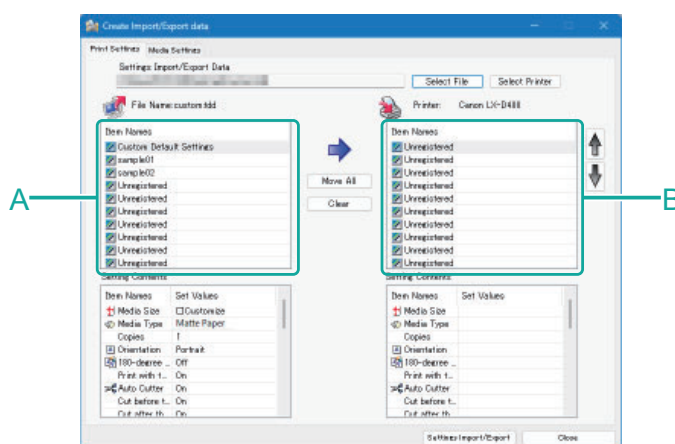
The settings information available for import is grouped into the following two tabs. From each tab, select the desired settings to load.

[Print Settings] tab:

From the print settings saved in the export file, select settings to register to [Favorites] in the printer driver's [Page Setup] tab.

[Media Settings] tab:

From the custom media sizes saved in the export file, select settings to register to [Media Size] in the [Page Setup] tab.



Drag and drop the desired settings from A (settings saved in the export file) to B (settings registered to the printer driver).

When an item is dropped to “Unregistered”:

The setting is added to the end of the list.

When a setting is dropped to an already registered item name (Media Name) :

The setting for that item names (Media Name) is overwritten.

To register all settings at once:

Click [Move All]. Moving all items at once will overwrite all existing settings information.

NOTE

- You can register up to 10 print settings and up to 50 media types.
- To sort the order of the settings to save to the printer driver, use the up/down buttons next to the settings items.
- To restore all settings to their original state, click the [Clear] button.
- If the same item names (Media Name) exist in both A and B, the item names (Media Name) on the A side is marked in red. Item names (Media Name) marked in red cannot be registered to B. To register it as another print settings (Media Settings), change the item name (Media Name) on the A side, then try again.

8 Click [Settings Import/Export].

The “Confirm Settings Import/Export Data” dialog box appears.

9 Click [OK].

A Confirmation message is displayed.

10 Click [OK].

The import completes.

11 Click [OK].

12 Exit the [Start the Settings Migration Utility].

Click [Close].

● Importing directly from the printer driver

1 Open the printer properties window.

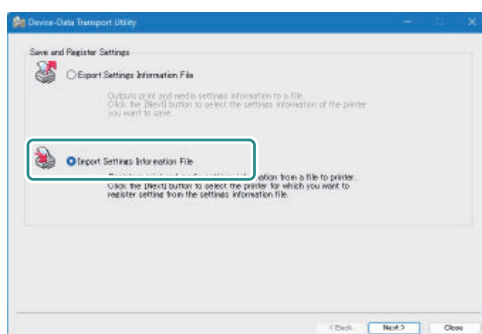
→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click the [Start the Settings Migration Utility] .

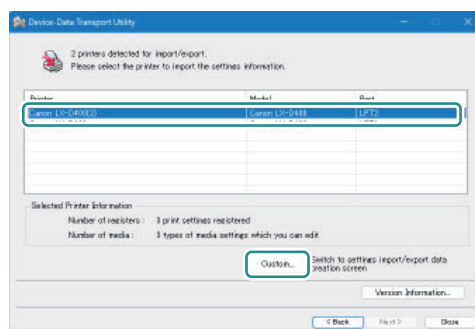
NOTE

- When the “User Account Control” screen appears, click [Yes].

3 Select [Import Settings Information File], then click [Next].



-
- 4** From the list, select the printer (driver) to import, then click [Custom].



The “Create Import/Export data” dialog box is displayed.

-
- 5** Click [Select Printer].

-
- 6** Select the source printer, then click [OK].

7 From the settings information saved in the export file, choose the settings information to load into the printer driver.

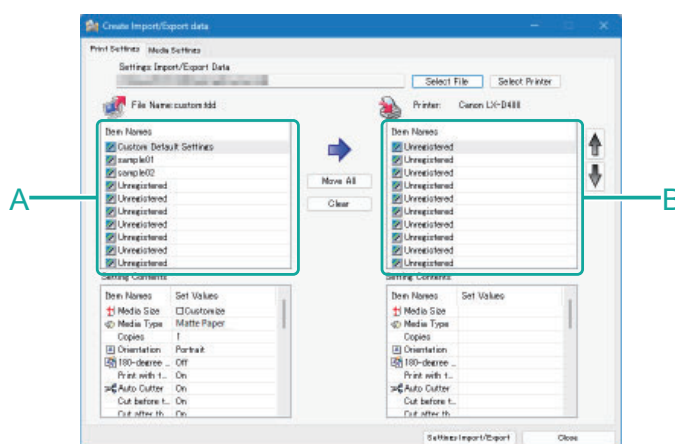
The settings information available for import is grouped into the following two tabs. From each tab, select the desired settings to load.

[Print Settings] tab:

From the print settings saved in the export file, select settings to register to [Favorites] in the printer driver's [Page Setup] tab.

[Media Settings] tab:

From the custom media sizes saved in the export file, select settings to register to [Media Size] in the [Page Setup] tab.



Drag and drop the desired settings from A (settings saved in the export file) to B (settings registered to the printer driver).

When an item is dropped to “Unregistered”:

The setting is added to the end of the list.

When a setting is dropped to an already registered item name (Media Name) :

The setting for that item names (Media Name) is overwritten.

To register all settings at once:

Click [Move All]. Moving all items at once will overwrite all existing settings information.

NOTE

- You can register up to 10 print settings and up to 50 media types.
- To sort the order of the settings to save to the printer driver, use the up/down buttons next to the settings items.
- To restore all settings to their original state, click the [Clear] button.
- If the same item names (Media Name) exist in both A and B, the item names (Media Name) on the A side is marked in red. Item names (Media Name) marked in red cannot be registered to B. To register it as another print settings (Media Settings), change the item name (Media Name) on the A side, then try again.

8 Click [Settings Import/Export].

The “Confirm Settings Import/Export Data” dialog box appears.

9 Click [OK].

A Confirmation message appears.

10 Click [OK].

The import completes.

11 Click [OK].

12 Exit the [Start the Settings Migration Utility].

Click [Close].

Changing the Driver's Display Language

You can change the language displayed in the driver. The default value is set to "Japanese".

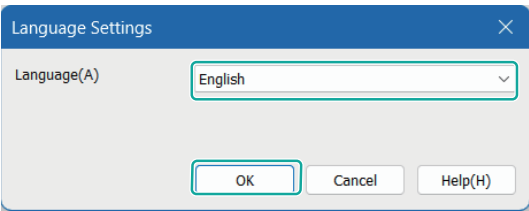
1 Open the printer properties window.

→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click [Language Settings].

A dialog box appears.

3 Select a language, then click [OK].



[Japanese]	The driver language is set to Japanese.
[Use OS Language Settings]	The OS language settings is used.
[English]	The driver language is set to English.

 NOTE

- You can also set the driver's display language from [Language Settings] on the [Utility] tab of the print settings screen. In that case, however, [Use OS Language Settings] is not shown in the list.

How to Use the Status Monitor

The status monitor allows you to check the current status of the printer.

Displaying the Status Monitor

This section describes how to start and display the Status Monitor.

■ Starting the Status Monitor

Start the Status Monitor.

NOTE

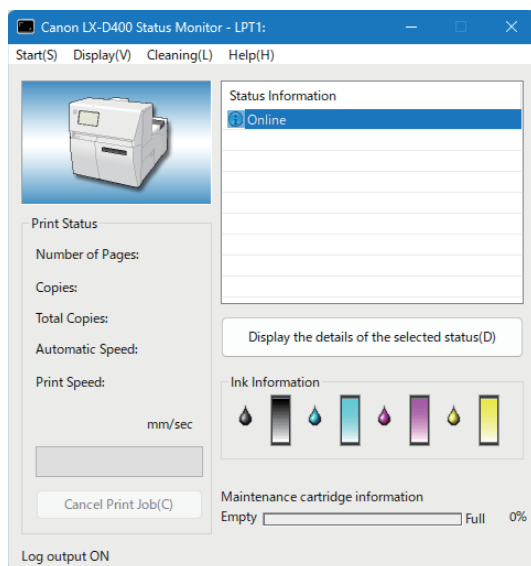
- By default, the Status Monitor will start automatically every time a print job begins.
- You can also start the Status Monitor as soon as Windows starts up by selecting the specific function in the menu.
- You can store the Status Monitor normally in the taskbar or the task tray and display it only if an error occurs.
→ [How to Start and Display the Status Monitor \(P. 140\)](#)

1 Open the printer properties window.

→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and click [Start Status Monitor].

The Status Monitor starts.



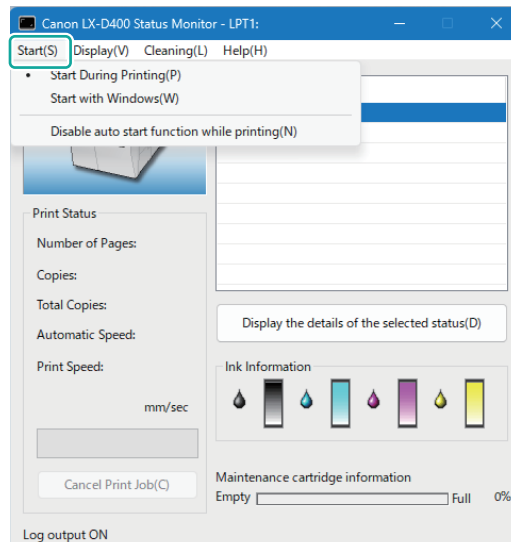
■ How to Start and Display the Status Monitor

This section describe how to start the Status Monitor and how it is displayed.
The method to start and display the Status Monitor can be set.

1 Click the [Start] and select the desired option.

Click either Start During Printing or Start With Windows.

A dot symbol (●) marks the currently selected item.



[Start During Printing]

The Status Monitor automatically starts and displays when a print job starts.

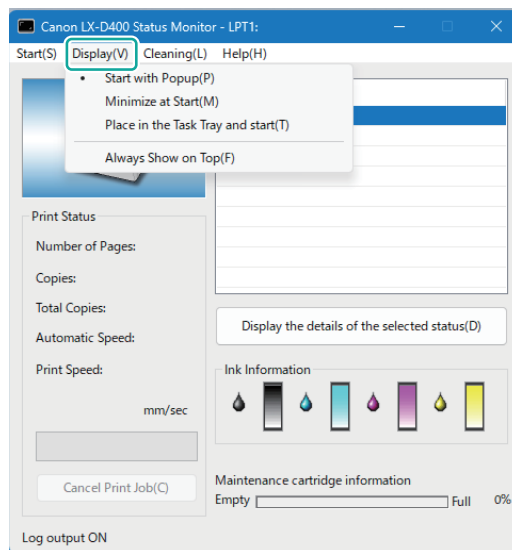
The Status Monitor closes automatically when the print job ends. (This is the default setting.)

[Start With Windows]

The Status Monitor Starts when Windows starts.

2 Click the [Display] and select the desired option.

Click [Start With Popup],[Minimize at Start],[Place in the Task Tray and start] , or[Always Show on Top].
A dot symbol (●) marks the currently selected item.



[Start With Popup]

Open and display the Status Monitor window. (This is the default setting.)

[Minimize at Start]

Minimize and store the open Status Monitor window on the taskbar.

[Place in the Task Tray and start]

Create an icon for the open Status Monitor window and stores the icon in the task tray.

[Always Show on Top]

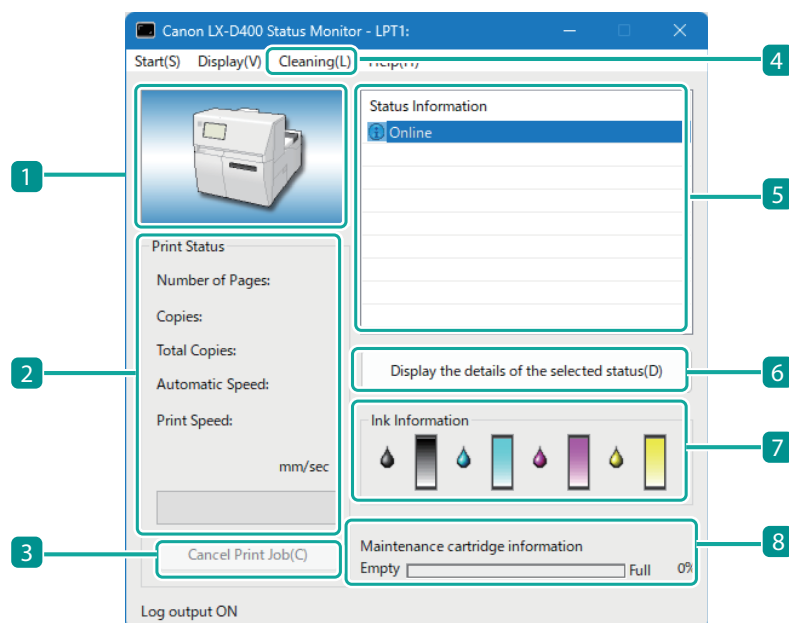
Always show the Status Monitor window on top, even when other application windows are open.

NOTE

- To always display the window on top, click [Always Show On Top].
This setting can be configured independently from other items in the [Display] menu.
- The Status Monitor will appear semi-transparent on the screen.
- Even if you select [Minimize at Start] or [Place in the Task Tray and start], the Status Monitor will pop up and display a message when an error occurs. If you click the minimize button in the pop-up window, you can restore Status Monitor to the task bar.

Using the Status Monitor

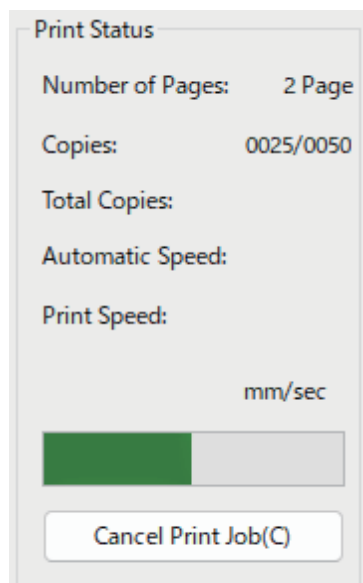
The status monitor allows you to check the current status of the printer, print status, ink information, and maintenance cartridge information.



1	Graphic image of the printer status	Graphic image showing the current status of the printer.
2	Print Status	Current printing status will be displayed with numerical value and indicator.
3	Cancel Print Job	Cancel print job in progress.
4	Cleaning	This option is only effective when the Pause key of the printer is pressed for temporary stop.
5	Status Information	Messages to inform you about the current status of the printer.
6	Display the Details of the Selected Status	Open a separate window to display more information about the status of the printer.
7	Ink Information	Displays the amount of remaining ink.
8	Maintenance cartridge information	Displays the amount of ink collected in the maintenance cartridge.

■ Viewing the Print Status

Use these features to monitor the progress of print jobs.



[Number of Pages]

Displays the number of pages to be printed.

[Copies]

The status of the specified number of copies in progress appears.

For example, if the printing of a three-page document in 10 copies is set, "0001/0010" to "0010/0010" appears while the first page is printed. The progress bar represents the status of printing the number of copies specified.

[Total Copies]

A total count of the specified number of copies printed appears.

[Automatic Speed]

Displays the on/off state of the auto speed setting.

[Print Speed]

Displays the current speed setting.

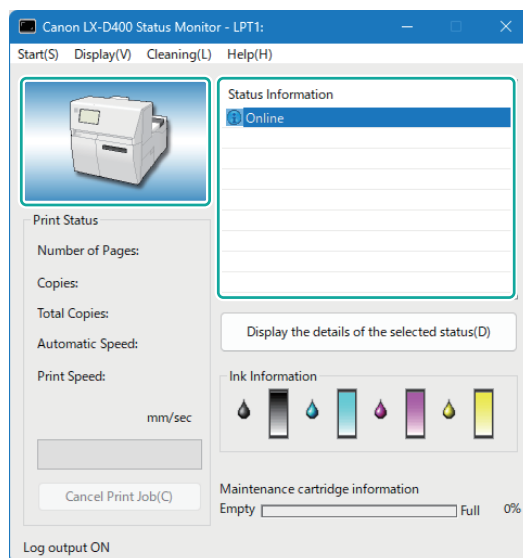
[Cancel Print Job]

Click to cancel a print job in progress. The printer stops after the current print job is completed.

■ Viewing the Print Status

Use these features to monitor the status of the printer.

- The printer status will be displayed using one of the following images.



	Displayed when the printer is in normal state. (Background is blue) The printer is online and ready to print.
	Displayed when the printer is offline. (Background is gray)
	Displayed when a warning has been issued. (Background is yellow) A warning message is displayed with the printer status, printing can be completed when a warning is issued. Troubleshoot the problem as required.
	Displayed when an error has been issued. (Background is red) An error message is displayed with the printer status, printing cannot be completed when an error is issued. Troubleshoot the problem as required.

NOTE

- The Status Monitor will only open when an error occurs if it has been minimized or placed in the task tray.

● Viewing Status Information



Information

Displays printer related information. Please confirm the content of the messages displayed here.



Warning message

Indicates a warning has been issued, review the message, printing will continue when a warning occurs.



Operator Call Error

These errors are issued for a problem that requires your attention. Review the message and follow the required troubleshooting procedure.



Fatal error

This error message will be issued for problems that cannot be solved by the user. Please power the printer off and power back on, if the error occurs again make note of the 4 digit error code, and contact your technical support.

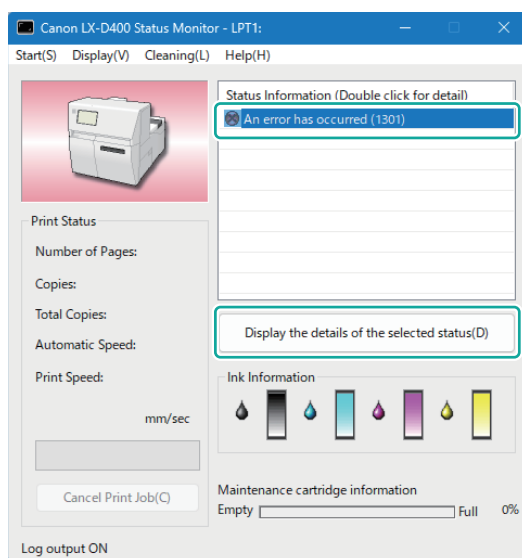


NOTE

- If multiple errors occur at once, the errors will be prioritized based on importance.

After you read the message displayed in the Status Information, follow the procedure below if you want to open another window to learn more details.

1 Select the message to read, and click [Detailed Status Display button].



NOTE

- You can also double-click the message in the Status Information list to open the same information window.

2 Click [Yes].

A web browser opens with the online user's guide . You can check the message description and troubleshooting steps.

- When used in an offline environment

The user's guide stored on the computer is displayed. You can check the message description and troubleshooting steps.

NOTE

- For the steps to save the user's guide on the computer and display it as Help, refer to the "Driver Installation Guide".

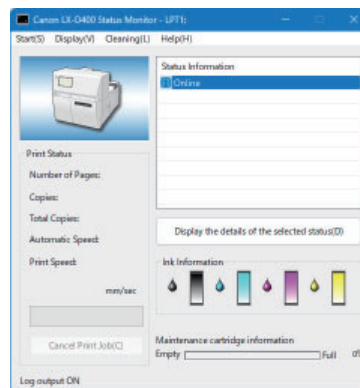
■ Checking the Ink Information

Check the ink consumption status.

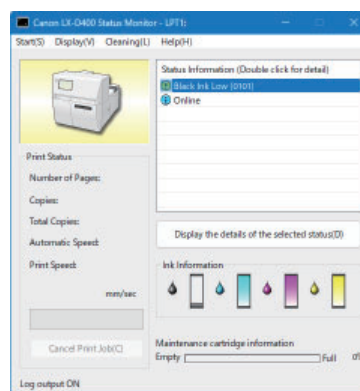
The types of ink tanks, from the left, are Black (Bk), Cyan (C), Magenta (M), and Yellow (Y).

The remaining ink level of each ink tank is displayed as images.

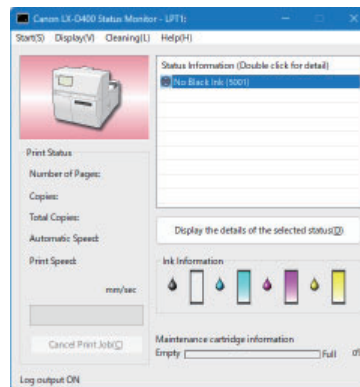
- The ink tank is full.



- Remaining ink level:
About 20%



- The ink tank must be replaced.



✔ IMPORTANT

- Do not insert or remove the ink tank except when replacing it. Otherwise, components may wear out quickly.
- When replacing an ink tank, do not leave the ink tank removed for a long period of time.
- When the "XXXX Ink Low" message is displayed, prepare a new ink tank. For information on how to obtain a new ink tank, please contact the dealer where you purchased this product or the customer support center.

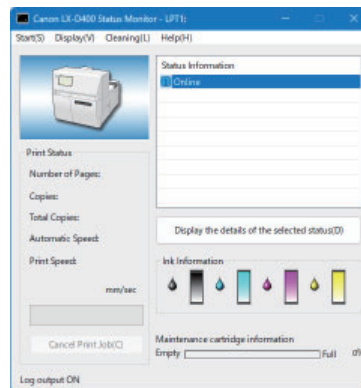
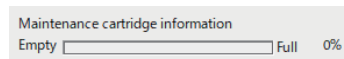
■ Checking the Maintenance Cartridge Information

Check the amount of ink collected in the maintenance cartridge.

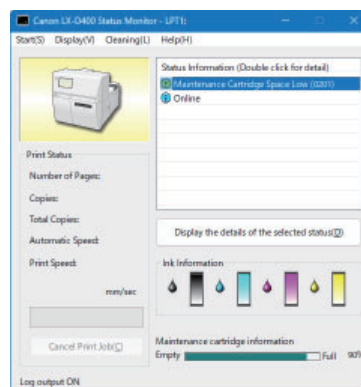
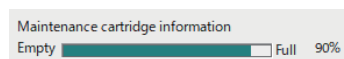
NOTE

- The maintenance cartridge is a cartridge that collects ink used when performing printhead cleaning, etc.
- The maintenance cartridge information indicator at the bottom of the Status Monitor shows the current available cartridge space.

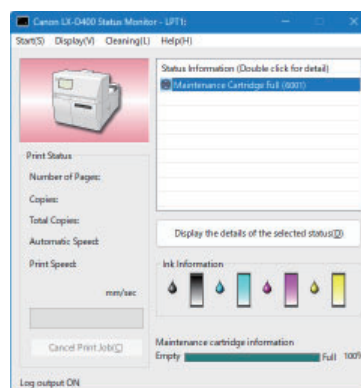
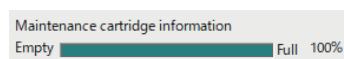
- The maintenance cartridge has free space.



- The maintenance cartridge has limited free space.
Free space: About 20%



- The maintenance cartridge is full and must be replaced to continue printing.



✓ IMPORTANT

- When "Maintenance Cartridge Space Low" is displayed, prepare a new maintenance cartridge. For information on how to obtain a new maintenance cartridge, please contact the dealer where you purchased this product or the customer support center.

Installing the Printer Driver

To connect the printer to a computer, there are two methods: using a USB cable and via network. Select an option that suits your environment.

→ [Using the Printer via a USB Cable \(P. 149\)](#)

→ [Using the Printer via a LAN Cable \(P. 155\)](#)

NOTE

- A USB cable (A-B type) or a LAN cable is not included with this product. Prepare a commercially available cable.

Using the Printer via a USB Cable

IMPORTANT

- The printer driver can be downloaded from the following Canon web site.
Canon web site: www.usa.canon.com/support
- You can download the printer driver for free, but any Internet access charges incurred are your responsibility.
- Sign in with administrator privileges for printer driver installation.
- Close any virus detection programs or programs that run in the background on the system beforehand.
- When using the printer via a USB connection, do not connect the USB cable until instructed to do so on your computer screen during installation.

1 Press and hold the power key for 1 second or more to turn off the printer.

A message "Finishing..." is displayed on the touch screen, and the printer turns off.

IMPORTANT

- Do not connect the computer and the printer with a USB cable yet.

2 Download the printer driver (EXE file) on the computer.

The printer driver can be downloaded from the following Canon web site.

Canon web site: www.usa.canon.com/support

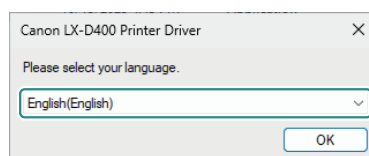
For the location where the file is downloaded, check the computer settings.

3 Double-click the downloaded EXE file.

The installation program starts.

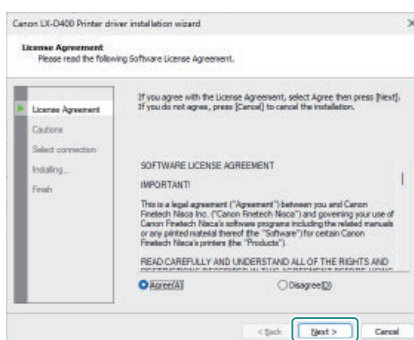
A user account control dialog box may appear. In this case, click [Yes].

4 Select the language to use for the printer driver's display, and click [OK].

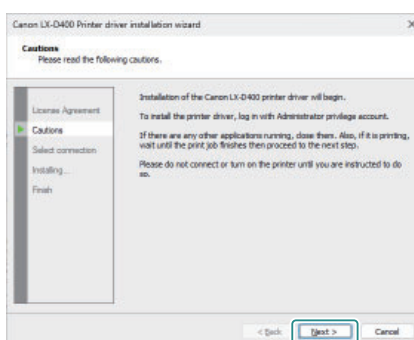


5 Read the software license agreement, select [Agree], and then click [Next].

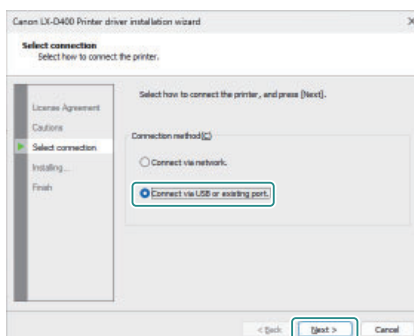
Read the License Agreement carefully.



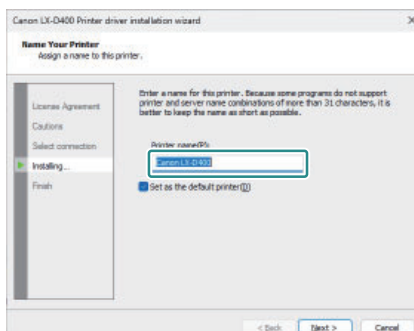
6 Read the Cautions and then click [Next].



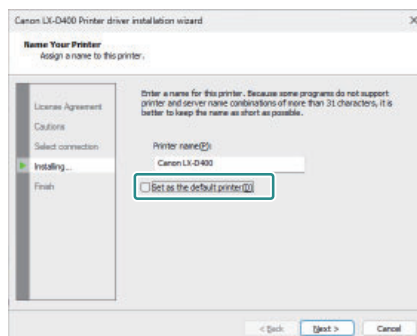
7 Select [Connect via USB or existing port] and then click [Next].



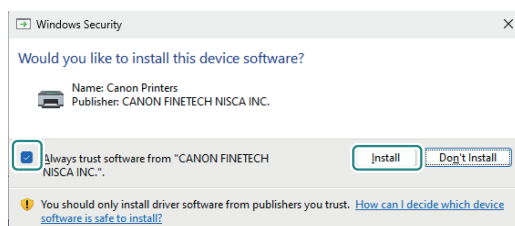
8 To change the printer name, enter a new printer name in "Printer name."



9 When this printer is not the default printer, uncheck the checkbox then click [Next].

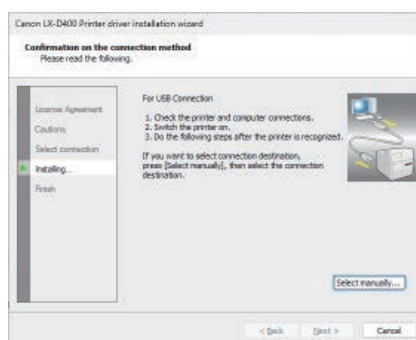


10 Check [Always trust software from "CANON FINETECH NISCA INC."] checkbox and then click [Install].



11 When the next window is displayed, turn the printer on and connect computer and printer with USB cable.

When the printer is recognized, installation will begin.



✓ IMPORTANT

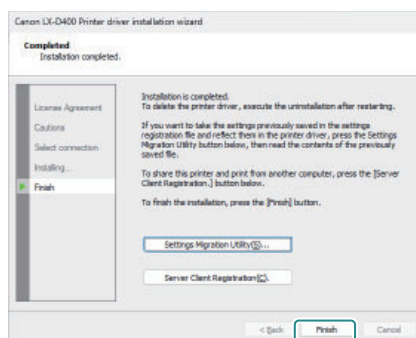
- The USB cable is hot-swappable.
However, it should be noted that the USB cable should not be connected or disconnected in the following cases:
 - When the computer is being booted (before the desktop appears)
 - When the printer is printing
 - When the printer driver is being installed
- When disconnecting the USB cable with the computer or printer powered, be sure to remove the USB plug on the computer side (USB hub side) in advance. When reconnecting the USB cable, wait for at least 5 seconds after disconnecting it. If you connect the USB cable too early, the printer may malfunction.

📖 NOTE

- If the computer, connected to the printer by USB cable, is linked to a network, it may take some time to recognize the printer.
- If you would like to select the connection destination by yourself, click [Select manually...] and select the connection port.
- You can select the port to connect after the printer driver installation is completed.

12 Click [Finish].

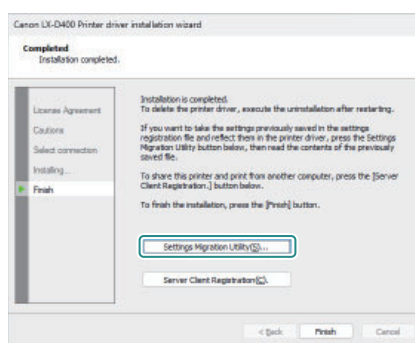
The server client can be registered after completion of installation of the printer driver.
To start the Settings Migration Utility, click [Start the Settings Migration Utility].



NOTE

- **Starting the Start the Settings Migration Utility**

You can use the Start the Settings Migration Utility to import/export settings information (favorites, custom media size) of the LX-D5500 or LX-D400 printer driver. To import settings information, click [Start the Settings Migration Utility].



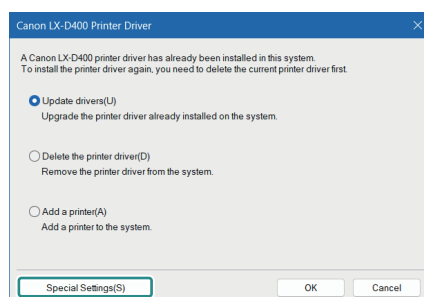
For details, refer to "Importing/Exporting Media Settings" (User's Guide).

- **Registering Server Client**

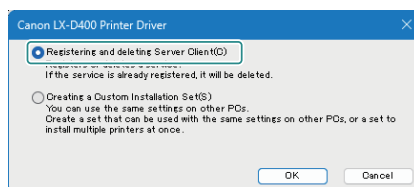
Registering server client allows you to check the printer status in the Status Monitor from client machines when the printer is shared via the server. To register server client, click [Server Client Registration].

The server client can be registered after completion of installation of the printer driver.

1. Run the installer.
2. Click [Install the printer driver].
3. Click [Special Settings].



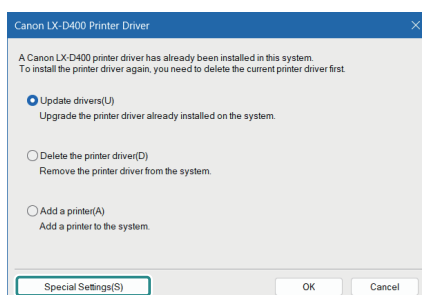
4. Select [Registering and deleting Server Client], then click [OK].



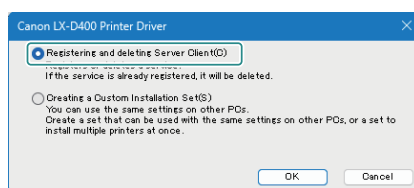
- **Deleting Server Client Registration**

To delete the server client registration service, run server-client registration again.

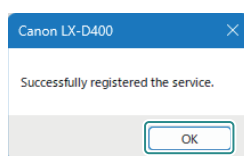
1. Run the installer.
2. Click [Install the printer driver].
3. Click [Special Settings].



4. Select [Registering and deleting Server Client].



5. The screen to delete the service is displayed.



When you click [Finish], a message prompting you to restart the computer appears.

13 Click [Yes].

Rebooting of the computer starts automatically.

NOTE

- When [No] is selected, be sure to restart Windows prior to using the printer.

Using the Printer via a LAN Cable

✓ IMPORTANT

- The latest printer driver can be downloaded from the Canon website.
Canon web site: www.usa.canon.com/support
- You can download the printer driver for free, but Internet connection fees may incur.
- Sign in with administrator privileges for printer driver installation.
- Close any virus detection programs or programs that run in the background on the system beforehand.
- To connect to the in-house LAN, please contact your network administrator.
- If Windows Server is used as a server role with the DNS server function added, perform installation after the DNS Server service status turns to "Running".
- Before you Install the printer driver, ensure to configure the printer's network port settings.

📖 NOTE

- This product does not include network devices such as a router and hub, nor a LAN cable.

1 Download the printer driver (EXE file) on the computer.

The printer driver can be downloaded from the following Canon web site.

Canon web site: www.usa.canon.com/support

For the location where the file is downloaded, check the computer settings.

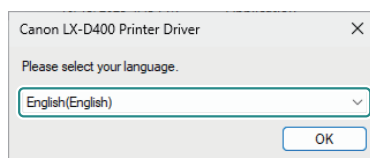
2 Double-click the downloaded EXE file.

The installation program starts.

A user account control dialog box may appear. In this case, click [Yes].

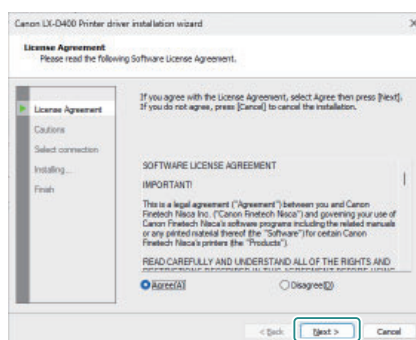
- **When the [User Account Control] dialog box appears:**
 1. Click [Yes].

3 Select the language to use for the printer driver's display, and click [OK].



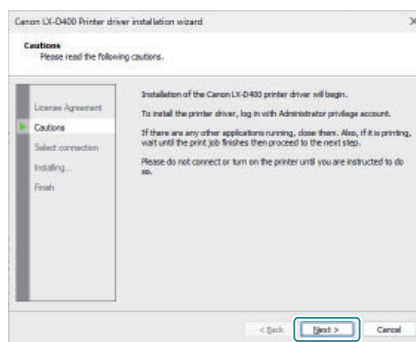
4 Read the software license agreement, select [Agree], and then click [Next].

Read the License Agreement carefully.

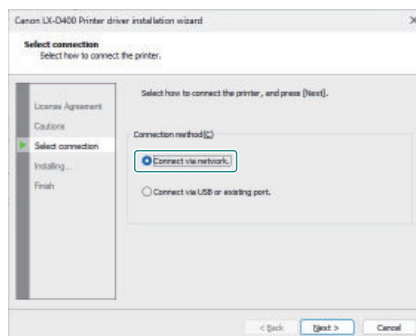


5 Read the Cautions and then click [Next].

Please check the cautions.

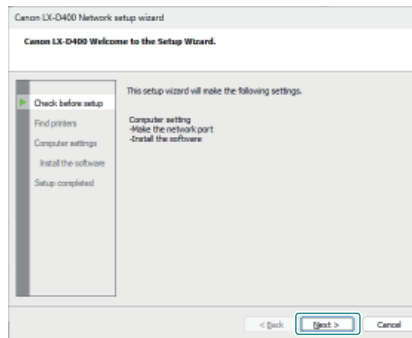


6 Select [Connect via network] and then click [Next].



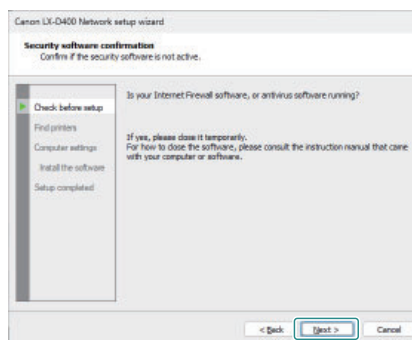
The printer driver installation starts.

7 Click [Next].



8 Click [Next].

Confirm the instruction regarding the security software which is shown on the screen.

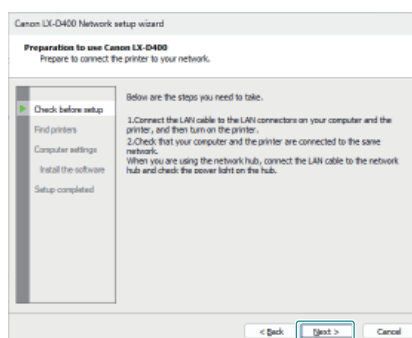


9 Connect the printer to the computer with LAN cable.

NOTE

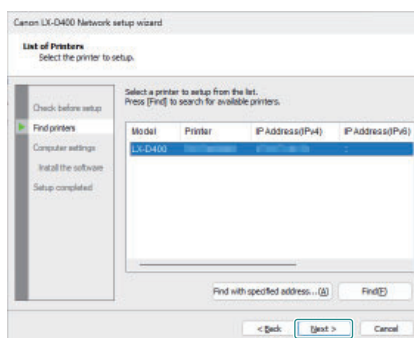
- For details of the printer's network connection procedure, refer to "[Connecting with LAN Cable \(P. 226\)](#)".

10 Click [Next].



It starts to search for this printer.

11 When the below window is displayed, select this printer and click [Next].



✓ IMPORTANT

- **If no printer name is displayed after printer search:**

If no printer name is displayed after printer search, click [Find].

If no printer name is displayed again, there may be a problem in the network environment. Contact the network administrator. Possible causes are as follows:

- This printer and the computer are installed on different networks, and therefore the computer cannot find this printer.
- If the IP address necessary for network operation is not set, connection to the network could fail.

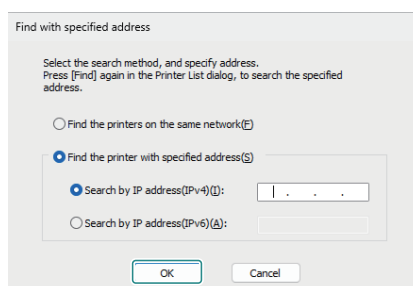
If no printer name is displayed due to the above reasons, connect this printer and the computer on the same network, and set the IP address. After setting the IP address, click [Find] again.

- If DNS server feature is added to Windows Server as a server role

Restart the PC or the DNS Server service, confirm that the DNS Server service status is "Running," then repeat the installation from Step 1.

- **To search for the printer with IP address specified:**

1. Click the [Find by specified address...] button.
2. Select the [Find the printer by specified address.] radio button on the screen that appears, and then enter the IP address (IPv4 or IPv6).



3. Click [OK] to start the search.

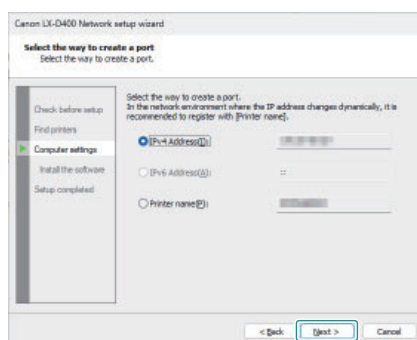
To check the printer's IP address, on the touchscreen, select  (Menu) → [Network Settings] → [Network Information].

NOTE

- If you are using a PC on a network, it may take some time for the printer to be recognized.

12 Select how to create the port, and click [Next].

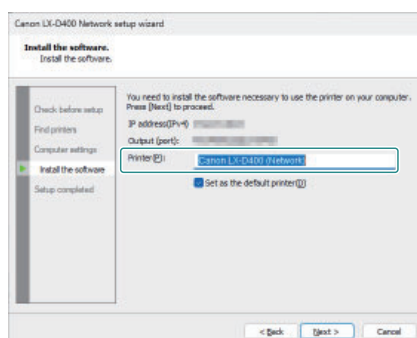
If you are using a DHCP server, select [Register by Printer Name].



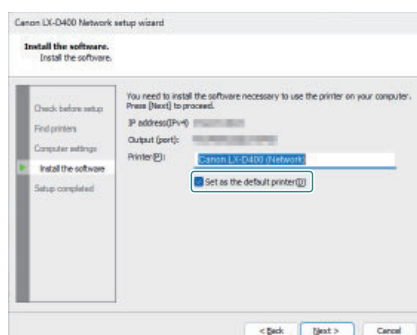
NOTE

- The printer name can be found on the device's touchscreen. On the touchscreen, select [Home screen] →  (Menu) → [Network Settings] → [Device Settings].

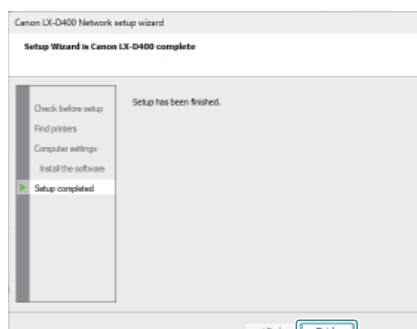
13 To change the printer name, enter a new printer name in "Printer name."



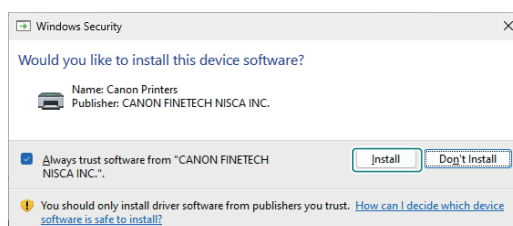
14 When not set as the default printer, uncheck the checkbox then click [Next].



15 Click [Finish].



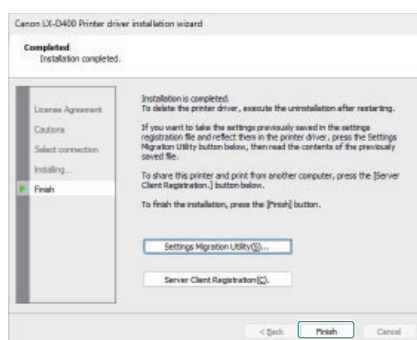
16 Check [Always trust software from "CANON FINETECH NISCA INC."] checkbox then click [Install].



17 Click [Finish].

If the printer driver was installed in a computer to be used as a print server, click [Server Client Registration].

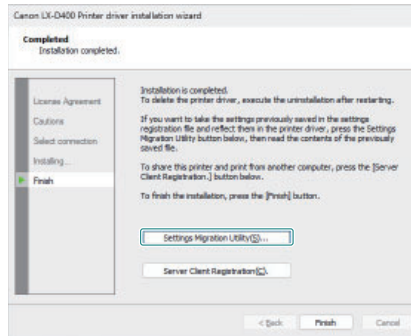
To start the Start the Settings Migration Utility, click [Start the Settings Migration Utility].



NOTE

- **Starting the Start the Settings Migration Utility**

You can use the Start the Settings Migration Utility to import/export settings information (favorites, custom media size) of the LX-D5500 or LX-D400 printer driver. To import settings information, click [Start the Settings Migration Utility].



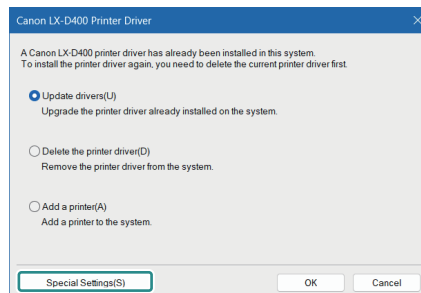
For details, refer to "[Importing/Exporting Media Settings \(P. 125\)](#)".

- **Registering Server Client Registration**

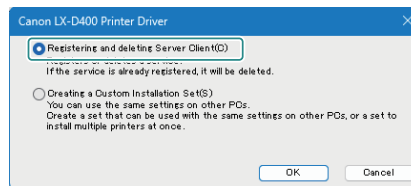
To register the server client registration, click [Server Client Registration] radio button.

The server client can be registered after completion of installation of the printer driver.

1. Run the installer.
2. Click [Install the printer driver].
3. Click [Special Settings].



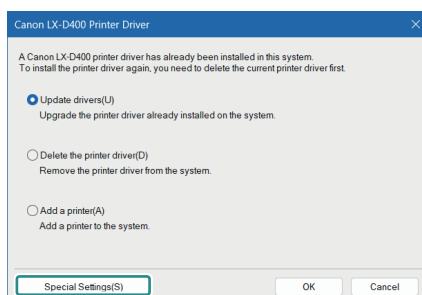
4. Select [Server Client Registration] and click [OK].



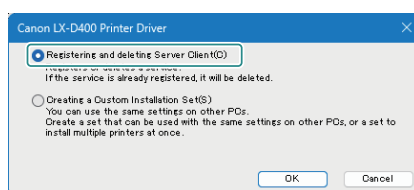
- **Deleting Server Client Registration**

To delete the server client registration service, run server-client registration again.

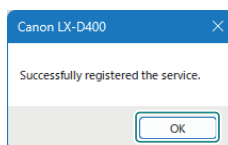
1. Run the installer.
2. Click [Install the printer driver].
3. Click [Special Settings].



4. Select [Server Client Registration]



5. On the screen to delete the service, click [Yes].



18 Click [Finish].

A message prompting you to restart the computer is displayed.

19 Click [Yes].

Rebooting of the computer starts automatically.



NOTE

- When [No] is selected, be sure to restart Windows prior to using the printer.

Installing Custom Printer Driver

“Custom Installation” is a feature that lets you prepare the printer settings of a PC where the printer driver is already installed as an installation set, so that you can install them together with the driver to another PC. When installing the driver on multiple PCs, you will not need to configure print settings on each PC.

✓ IMPORTANT

- If the following settings differ between the PC creating the installation set and the target PC, the installation set may not operate correctly.
 - OS
 - Language settings

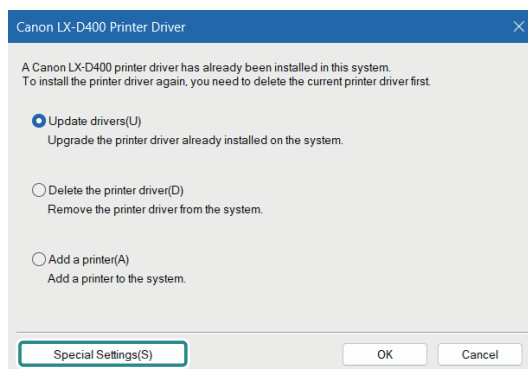
📖 NOTE

- The items that can be installed on other PCs as an installation set are as follows:
 - Printer name
 - User-defined media type
 - Favorites
 - Custom media size
 - Set Pinpoint Color Match
 - Port information

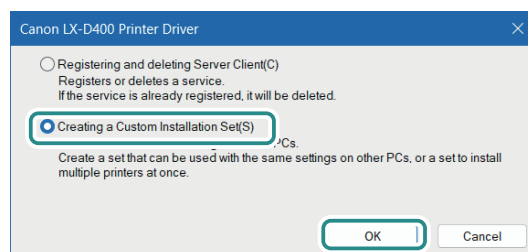
■ Creating an Installation Set

Using a PC on which the printer driver is already installed, follow the steps below:

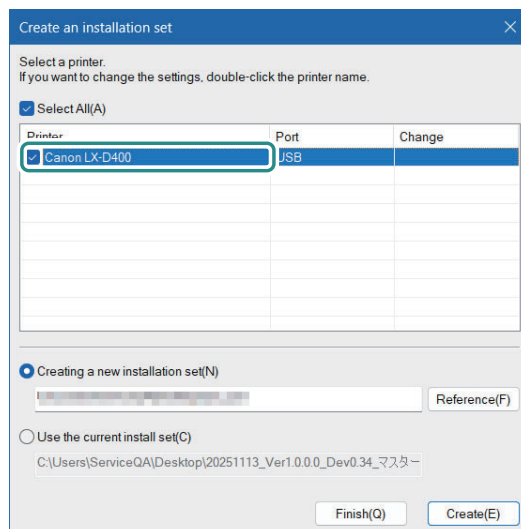
1 Run the installer and click [Special Settings].



2 Select [Creating a Custom Installation Set], and click [OK].

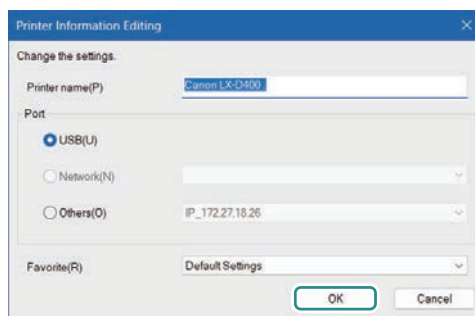


3 Select the printer.

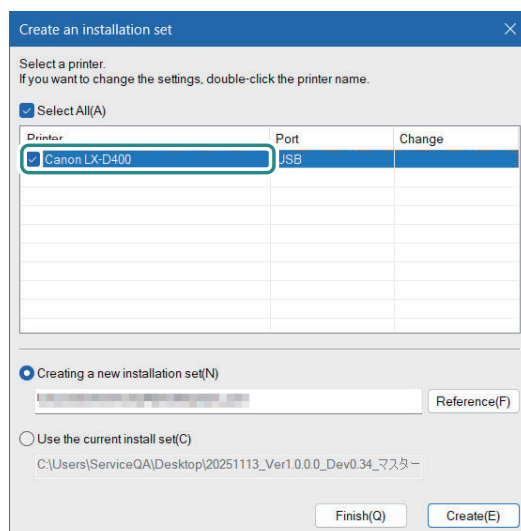


NOTE

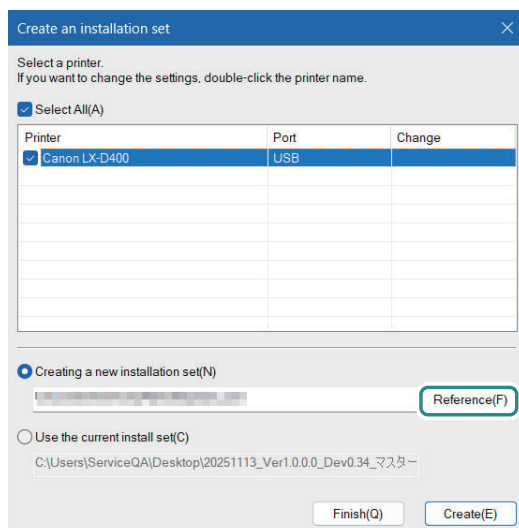
- Right-click or double-click the printer name to display a screen to edit printer information, that allows you to edit the following items to configure in the installation set. After changing the settings, click [OK] to close the screen.



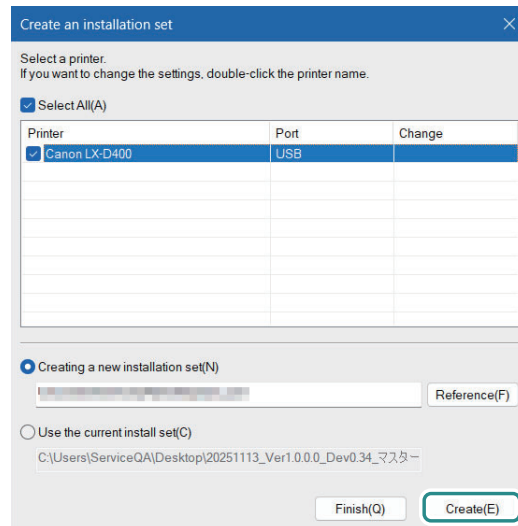
4 Select [Creating a new installation set].



5 Click [Reference], and select the folder to save the installation set.

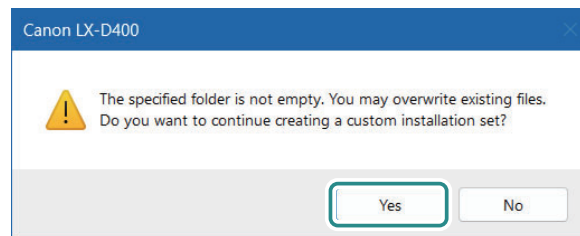


6 Click [Create].



NOTE

- If the following message is displayed, read the content and click [OK]:



7 Click [OK].

8 Click [Finish] to exit "Create an installation set".

The installation set is created in the specified folder.

■ Performing Custom Installation Using the Installation Set

On the computer to install the printer driver, follow the steps below:

✓ IMPORTANT

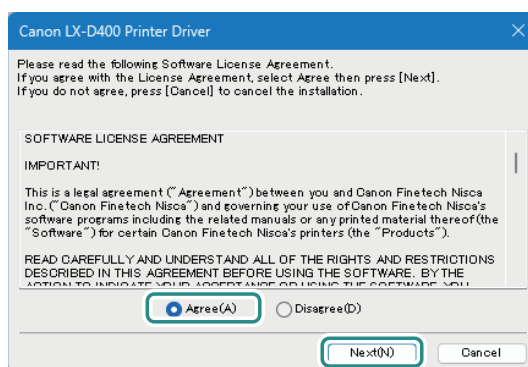
- Sign in to the computer using an administrator account.
- Exit any antivirus programs and other system resident programs.
- To connect the printer to a computer, there are two methods: using a USB cable and via network.
For USB connection, do not perform the following operations until instructions appear on the screen.
 - Turn on the Printer.
 - Connect the printer and the computer with a USB cable.

1 Double-click [CFSETUP.EXE] in the installation set folder.

- When the [User Account Control] dialog box appears:
 1. Click [Yes].

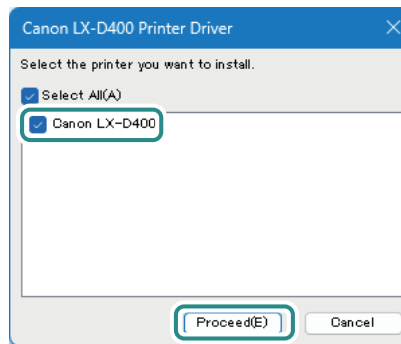
2 Select [Agree], and click [Next].

Read the License Agreement carefully.



3 Select the printer to install, and click [Run].

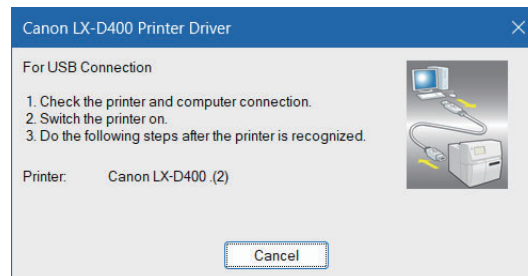
A list of printer settings available as an installation set is displayed.



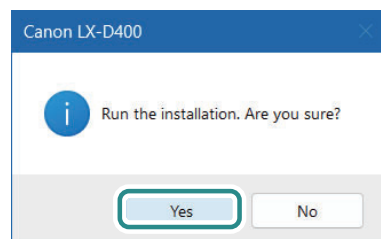
4 Click [Yes].

- For USB connection

When the screen below appears, turn on the printer according to the on-screen instructions:



The settings in the installation set and the printer driver is installed.



5 Click [OK].

The custom installation is now complete.

Updating the Printer Driver

By upgrading from the current printer driver to the latest printer driver, issues you have experienced may be resolved.

This section describes how to update the installed driver to a newer version. The printer driver version can be found on [Version Information] in the [Page Setup] tab.

✓ IMPORTANT

- Sign in as a user that has administrator privileges.
If there are any documents currently printing, either abort the print job or wait for the job to finish.
- Close all printer driver dialog boxes.

1 Access the Canon website to download the printer driver for this printer.

Canon website: www.usa.canon.com/support

✓ IMPORTANT

- Customers are responsible for the cost of internet access.

2 Launch the installer.

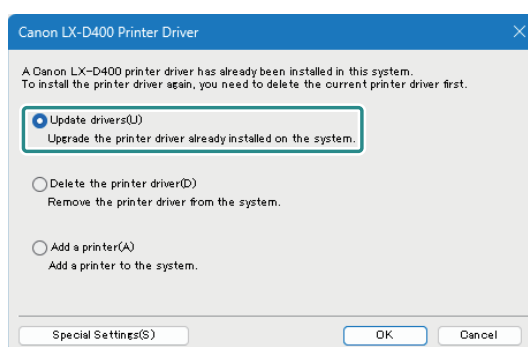
Double-click the downloaded EXE file.

The installation program starts.

📖 NOTE

- A user account control dialog box may appear. In this case, click [Yes].

3 Select [Update drivers], and click [OK].



4 Follow the on-screen instructions to install the driver.

5 When a message prompting you to restart the computer appears, click [Yes].

Restart Windows.

📖 NOTE

- If [No] is selected, always restart your computer before installing the printer driver again.

Deleting the Printer Driver

You can delete the printer driver that you no longer use.

Before uninstalling, exit all running software applications and confirm that all print jobs are completed.

1 Remove all interface cables.

After confirming that printing is completed, remove all interface cables after turning off the printer's power.

2 From Start menu, select [All apps] → [Canon LX-D400] → [Canon LX-D400 Printer Driver Uninstall].

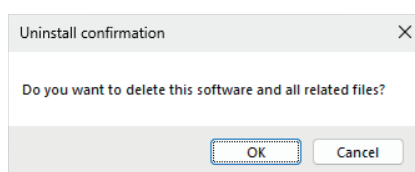
For Windows Server 2022, Windows Server 2019, or Windows Server 2016:

From Start menu, select [Canon LX-D400] → [Canon LX-D400 Printer Driver Uninstall].

3 Click [Start].

NOTE

- A user account control dialog box may appear. In this case, click [Yes].
- **For LAN Cable connection**
When the dialog below appears, click [OK].



The above dialog is not displayed on screen, uninstall the network module follow the steps below.

1. Uninstall the printer driver.
2. Reboot the computer.
3. Select [Start] → [Settings] → [Apps] → [Installed Apps].
4. Click [...] of [Canon Network IF] and select [Uninstall].
Uninstall wizard starts. Follow the on-screen instructions.

4 Click [Finish].

5 When a message prompting you to restart the computer appears, click [Yes].

Restart Windows.

NOTE

- If [No] is selected, always restart your computer before installing the printer driver again.

When Using This Printer Connected to a Computer in an Offline Environment

To use this printer connected to a computer in an offline environment, it is recommended to install the User's Guide on the computer in advance. This User's Guide is also used as a reference for Help.

Follow the steps below to install the User's Guide and set the Help reference source:

✔ IMPORTANT

- Sign in to the computer using an administrator account.
- Exit any antivirus programs and other system resident programs.

1 Download the user's guide on the computer.

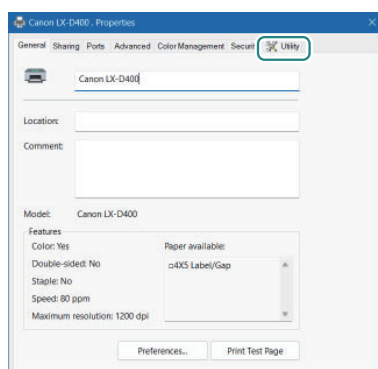
The user's guide can be downloaded from the following Canon web site:

www.usa.canon.com/support

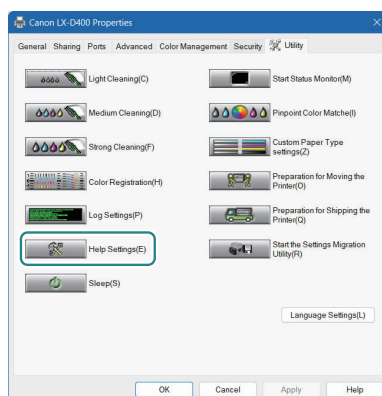
2 Select [Settings] → [Bluetooth & Devices] → [Printers & scanners].

3 Click this printer and select [Printer Properties].

4 Click the [Utility] tab.

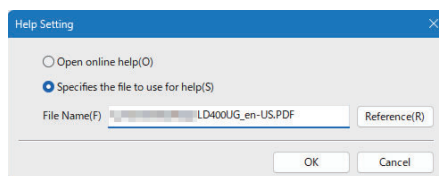


5 Click [Help Setting].



A dialog box appears.

6 Select [Select the file to use for Help], and click [Reference].



7 Select the directory and [File name] of the installed User's Guide.

Select the following directory and file name:

Directory	C:\Program Files (x86) \Canon Finetech Nisca\Canon LX-D400\Manual\en-US
File name	LD400UG_en-US.PDF

NOTE

- The latest User's Guide can be downloaded from the Canon website.
Canon web site: www.usa.canon.com/support
* Customers are responsible for the cost of internet access.
- To configure the downloaded User's Guide as the reference source, select the directory and file name of that file.

8 Click [OK].

This completes the Help reference source settings.

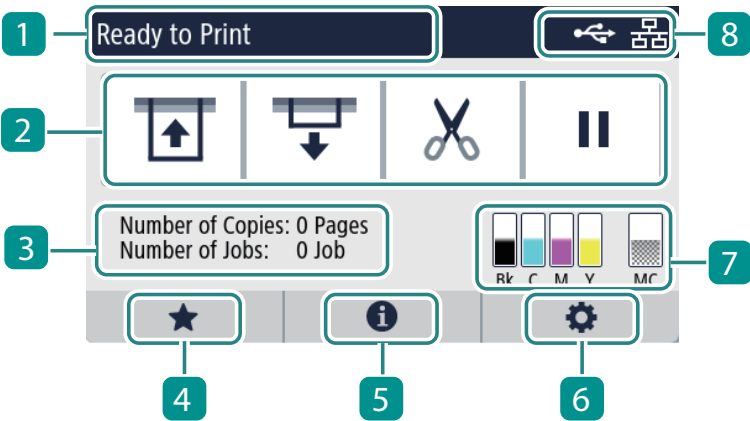
Printer Settings

How to Use the Touchscreen.....	174
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Changing the Transition Time to Power off/Sleep State.....	201
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How to Use the Touchscreen

Home Screen Layout

When the printer starts up, the home screen is displayed on the touchscreen. From the home screen, you can select menus such as media operations and settings, printer status confirmation, maintenance, and various settings.



1 Main status display section	Displays the current printer status with colors and messages.	
	Black	Indicates the online status. The printer is ready to print.
	White	Indicates the offline status.
	Green	Indicates the printing status. The print job name is displayed.
	Orange	Indicates a warning has occurred. You can continue printing, but please check the message and take action as needed.
	Red	Indicates an error has occurred. You cannot print, so please check the message and take the necessary action.

Contents
Product Overview
Media Handling
Printing
Printer Settings
Connection with Computer
Maintenance Adjustment
Trouble-shooting
RFID Media Printing
Specifications

2 Main operation section	Tap each icon to perform the following operations. Backfeed Rewinds the media to the replacement position. If you press and hold, the media will rewind while you keep pressing. Media less than a total of 300 mm (11.8 inch) can be rewound. NOTE When 300 mm (11.8 inch) of media is rewound, the rewinding operation stops with a "Media Change Error." When rewinding by long-tapping this icon, a message "Max Backfeed Length Exceeded, Printer Will Stop" is displayed and the winding operation stops. A "Media Change Error" is not displayed. Feed Feeds one page of media. If you press and hold, the media will feed while you keep pressing. Cut Cuts the media. Pause Switches the printer status between online and offline. While printing: Printer enters pause mode, and the printing operation pauses. In other state: The printer turns offline, and a print operation would not be performed even if the printer receives data until the pause mode is canceled.
3 Counter display	Displays various counter Information of the printer. Total number of copies and number of jobs are counted, and both advance when printing finishes. You can freely switch the display/hide of each counter. (→ P.188)
4 Shortcut key	Displays the shortcut screen. (→ P.215)
5 Information key	Displays Help/Guidance. (→ P.178)
6 Menu key	Displays the full menu. (→ P.183)
7 Consumable remaining level display	Displays the remaining levels of ink tanks (C/M/Y/K) and Maintenance cartridge in increments of 10%.

8 Port display section

Displays how the Printer and computer are currently connected.



Connected via wired LAN



Connected via USB cable

**NOTE**

- If media is connected to the USB connector,  (Remove memory media) is displayed. Touch this button to remove the media safely.

■ Basic Touchscreen Operations

You can select various functions and settings by gently touching and swiping the touchscreen with your fingertip.

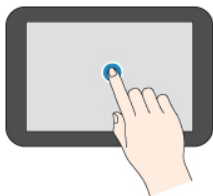
✓ IMPORTANT

- Take the following precautions when operating the touchscreen. Otherwise, the touchscreen may malfunction or become damaged.
 - Do not forcibly press the touchscreen with your finger.
 - Do not press the touchscreen with an object other than your finger (such as a ballpoint pen, pencil, fingernail, or other object with a sharp tip).
 - Do not operate the touchscreen with wet or dirty hands.
 - Do not place objects on top of the touchscreen.
- Do not place a protective film over the touchscreen. Removing it can damage the touchscreen.



Tap

Gently touch with your fingertip and then release.
Use this when selecting an item on the panel.



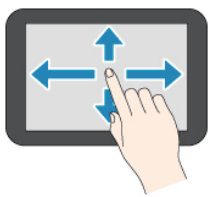
Touch

Gently touch with your fingertip.
To go (or return) to a menu or list, touch the directional mark.



Flick

Drag and release your finger up, down, left, or right.
Use this to quickly scroll through a menu or list.



Drag

Move your finger up, down, left, or right while gently keeping it in contact with the touchscreen. Use this to move a menu or list while viewing it.

■ Select Item

Tap an item name or button to select it.

■ Scroll the Panel

If   (scroll icon) is displayed on the panel, it means there is additional information to show. Flick the panel to scroll in the direction of the flick.

■ Change Setting Values

Tap [+] or [-] to adjust the value. Values can be adjusted by flicking the slider to left or right.

Change Settings on the Touchscreen

Use the touchscreen to change printer settings or display the Quick Guide to check operation procedures.

Information

In Information, you can refer to operation guides and check printer history.

[Home screen] →  (Information)

■ Information Hierarchy

The following information is displayed:

Items	
Quick Guide	
	Replacing the Ink Tank
	Replacing the Maintenance Cartridge
	Loading Media
	Loading External/Fanfold Media
	Changing Media
	Handling the media that has run out
	Cleaning the Printer
	Registering Media
	Shipping the Printer
Troubleshooting	
	Media is Jammed
	Poor print result is seen
	Other Troubles
Printer Information	
Network Information	
Print History	
	Total
	Daily
	Monthly
Operator Error History	
Fatal Error History	
Warning History	
Jam History	
Output Setting Values	
	Printer Settings
	Network Settings
RFID Information*	

*Displayed when the RFID unit (optional) is installed.

■ Quick Guide

You can check procedures such as replacing consumables and cleaning the printer.

■ Troubleshooting

You can check how to deal with media jam and unexpected print results.

■ Printer Information

You can check basic Information of this printer such as model name, serial number, and firmware version.

■ Network Information

You can check Information about the printer network, such as IP Address and LAN Settings.

■ Print History

You can check the print history of this printer.

[Total]

Displays the total Number of Copies, total print length, and so on.

[Daily]

Displays the Number of Copies and print length by day.

[Monthly]

Displays the Number of Copies and print length by month.

NOTE

- Each time the printer is initialized, these histories return to 0.

■ Operator Error History

You can check the date, time, error code, and Number of Copies when the operator error occurs.

NOTE

- Each time the printer is initialized, these histories return to 0.

■ Fatal Error History

A fatal error refers to an unrecoverable error. You can check the date, time, error code, and Number of Copies when the fatal error occurs.

NOTE

- Each time the printer is initialized, these histories return to 0.

■ Warning History

You can check the date, time, error code, and Number of Copies when a warning error occurs.

NOTE

- Each time the printer is initialized, these histories return to 0.

■ Jam History

You can check the date, time, error code, and Number of Copies when a media jam occurs.

NOTE

- Each time the printer is initialized, these histories return to 0.

■ Output Setting Value

You can print the printer's setting values or export them to a USB flash drive.

→ [Checking the Printer's Setting Values \(P. 181\)](#)

■ Third Party Software Licenses

You can check third party software licenses.

■ RFID Information

You can check information related to RFID.

NOTE

- This is displayed only when the optional RFID unit is installed.

[RFID Unit Destination Country ID]

The table below shows respective IDs and target countries/regions:

ID	Target country/region
1	Japan
2	U.S.A.,, Canada

[Wireless Regulatory Information]

You can check the certification number of the built-in wireless module.

Checking the Printer's Setting Values

You can print and check the printer's settings. Operate the touchscreen according to the following steps.

✓ IMPORTANT

- For printing the setting values, please use media at least 2" wide x 1.5" long.

1 Tap  (Information) on Home screen.

2 Tap [Output Setting Values].

3 Select the item to view.

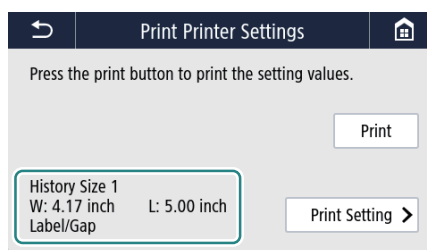
Select [Printer Settings] or [Network Settings].

4 Select the output method.

Select [Print Printer Settings] or [Save Network Settings to USB Memory].

- When [Print Printer Settings] is selected:

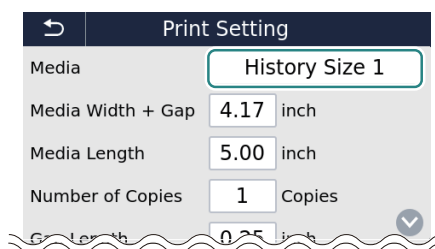
1.Examine the displayed print settings.



- If the set media and settings do not match

1. Select [Print Settings].

2.Tap [Media] , and select the media size set in the printer from the displayed list.



- To select from the recently used media:

Select one of [History Size 1] through [History Size 3].

NOTE

- Within [Media], the items [History Size 1] through [History Size 3] store the print settings from the three most recent jobs. However, because the print settings for special-shaped labels are not suitable for the print settings report format, they are not stored as history sizes.
- To select from the standard label paper:
Select the size for printing. Refer to ["Selecting the Media Size \(P. 65\)"](#) for a list of registered media sizes.
- To set a custom media size:
Tap and enter media information in the text boxes. The displayed media name will automatically change to "Custom Size."
The settable range of media sizes varies depending on the media form. For details, refer to ["Custom Media Size Setting Range \(P. 39\)"](#)

3. Tap  (Back).

- When [Save Network Settings to USB Memory] is selected:

1. Tap [Yes].

2. Tap [OK].

The setting values are exported to the USB flash drive.

Menu

In Menu, you can perform printer maintenance and settings.

[Home Screen] →  (Menu).

■ Menu Hierarchy

The items that can be set and their initial values are as follows:

Item	Default value
Maintenance (→ P.187)	
Print Nozzle Check Pattern	
Light Cleaning	
Medium Cleaning	
Strong Cleaning	
Move printer	
Ship printer	
Reprint Last	
Baseline Adjustment	Vertical: 0.0 mm Horizontal: 0.0 mm
Cut Position	0.0 mm
Stop Position	0.0 mm
Gap Sensor Adjustment (→ P.26)	
Media Type Settings (→ P.188)	
Media Supply	Internal Roll
RFID Media	Not Selected
Select Special Media	Not Selected
System Settings (→ P.188)	
Customize HOME Screen	
Print Speed	On
Number of Copies	On
Number of Jobs	On
Measurement Unit for Media Size	Varies by country and region.
Shortcut Registration	
Language	Varies by country and region
Regional Settings	
Date	-
Time	0:00
Time Zone	Varies by country and region
Display	
Brightness	5
Timeout	1 minute
Sleep Timer	1 hour
Power-Off Timer	Varies by country and region
Power Key Sleep	Enable

Item		Default value
	Beeping Sound	
	Touch Sound	Low
	Print Job End	OFF
	Operation End	Medium
	Error	Medium
Network Settings (→ P.190)		
	Device Settings	
	Printer Name	Serial Number
	Location	-
	Network Information	
	LAN Settings	
	IPv4 Settings	
	Address Settings	
	DHCP	ON
	IP Address	-
	Subnet Mask	-
	Default Gateway	-
	DNS Settings	
	Primary DNS Address	-
	Secondary DNS Address	-
	Host Name	-
	Domain Name	-
	mDNS	ON
	DHCP Options Settings	
	Acquire Host Name	OFF
	Acquire DNS Server Address	OFF
	Acquire Domain Name	OFF
	PING Command	-
	IPv6 Settings	
	Use IPv6	OFF
	Link-Local Address	-
	Stateless Address	ON
	Manual Address Settings	
	Use Manual Address	OFF
	Manual Address	-
	Prefix Length	64
	Default Router Address	-
	Use DHCPv6	OFF
	DNS Settings	
	Primary DNS Address	-
	Secondary DNS Address	-
	Host Name	-
	Domain Name	-

Item		Default value
	DNS Dynamic Update	OFF
	mDNS	OFF
	DHCP Options Settings	
	Acquire DNS Server Address	OFF
	Acquire Domain Name	OFF
	PING Command	
	IP Address	-
	Host Name	-
	Port Settings	
	Use Proprietary Protocol	ON
	RAW Printing Settings	
	Use RAW Printing	ON
	Timeout	5 minutes
	LPD Printing Settings	
	Use LPD Printing	ON
	Timeout	5 minutes
	SNMP Settings	
	SNMPv1 Settings	
	Use SNMPv1	-
	Community Name 1 Settings	
	Community Name 1	ON
	Community Name	public
	Community Name 2 Setting	
	Community Name 2	OFF
	Community Name	public2
	SNMPv3 Settings	
	Use SNMPv3	OFF
	Username	-
	Security Settings	AuthPriv
	Authentication Algorithm	MD5
	Authentication Password	-
	Encryption Algorithm	DES
	Encryption Password	-
	Firewall Settings	
	IPv4 Addresses: Receive Filters	
	Use Filter	OFF
	Default Policy	Allow
	Exception Address	-
	IPv6 Addresses: Receive Filters	
	Use Filter	OFF
	Default Policy	Allow
	Exception Address	-
	MAC Addresses: Receive Filters	

Item				Default value
			Use Filter	OFF
			Default Policy	Allow
			Exception Address	-
Administrator (→ P.192)				
Maintenance Operator				

■ Maintenance

[Home Screen] →  (Menu) → [Maintenance].

NOTE

- Refer to "[Menu Hierarchy \(P. 183\)](#)" for the initial values of each setting item.

[Light Cleaning], [Medium Cleaning], [Strong Cleaning]

→ [Cleaning the Printhead \(P. 271\)](#)

[Move printer]

→ [Moving the Printer Indoors \(P. 258\)](#)

[Ship printer]

→ [Shipping the Printer \(P. 263\)](#)

[Reprint Last]

Reprint the last page printed.

NOTE

- If you perform reprint after test printing, the test print page is printed.
- In the following cases, the print data inside the printer is deleted, so reprint cannot be performed.
 - If no pages have been printed since startup
 - If the printer receives data for the next page data before reprint is performed

[Print Nozzle Check Pattern]

→ [Checking for Nozzle Clogging \(P. 267\)](#)

[Baseline Adjustment]

→ [Adjusting the Printing Position \(P. 289\)](#)

[Cut Position]

→ [Adjusting the Cutting Position \(P. 291\)](#)

[Stop Position]

→ [Adjusting the Stop Position \(P. 293\)](#)

[Gap Sensor Adjustment]

→ [Using Special-shaped Labels \(P. 26\)](#)

■ Media Type Settings

[Home Screen] →  (Menu) → [Media Type Settings].

NOTE

- Refer to "[Menu Hierarchy \(P. 183\)](#)" for the initial values of each setting item.
- To reset all settings to the default values, tap  (reset) at the upper right of the touchscreen.

[Media Supply]

Set the media feed method.

[Internal Roll]

Select this when using roll media set in the roll holder slot.

[External / Fanfold]

Select this when using roll media, or fanfold media set in another device.

[RFID Media]

→ [Registering RFID Media Information \(P. 326\)](#)

NOTE

- Use this when the optional RFID unit is installed.

[Select Special Paper]

→ [Registering Special Media \(P. 203\)](#)

■ System Settings

[Home Screen] →  (Menu) → [System Settings].

NOTE

- Refer to "[Menu Hierarchy \(P. 183\)](#)" for the initial values of each setting item.
- To reset all settings to the default values, tap  (reset) at the upper right of the touchscreen.

[Customize HOME Screen]

The display status (shown/hidden) of each item in the counter display section is shown.

[Print Speed]

Specify whether to display the Print Speed during printing. To display it, select [On].

[Number of Copies]

Specify whether to display the total number of pages printed. To display it, select [On].

[Number of Jobs]

Specify whether to display the total number of jobs printed. To display it, select [On].

NOTE

- [Print Speed] is displayed only during printing, not shown in other status.
- [Number of Copies] and [Total Job Count] count the total number from when the printer is powered on. The values are reset when the power is turned off.

[Measurement Unit for Media Size]

Set the unit for media size.

[Shortcut Registration]

→ [Creating Shortcut \(P. 215\)](#)

[Language]

Set the language displayed on the touchscreen.

[Regional Settings]

Date, time, and time zone are displayed.

[Date]

Select this when setting the current date.

[Time]

Select this when setting the current time.

[Time Zone]

Select this to set the time zone according to your country or region.

Select the time difference from Coordinated Universal Time (UTC) that matches your country or region.

[Display]

Settings related to the touchscreen are displayed.

[Brightness]

Select this to set the brightness of the touchscreen. You can choose from nine levels of brightness.

[Timeout]

Select this to set the timeout for the touchscreen. Tap [Advanced Settings] to set in detail within the range of 10 - 600 seconds.

[Sleep Timer]

→ [Changing the Transition Time to Power off/Sleep State \(P. 201\)](#)

[Power-Off Timer]

→ [Changing the Transition Time to Power off/Sleep State \(P. 201\)](#)

[Power Key Sleep]

Set whether to enable the setting to enter sleep mode when the power key is pressed briefly.

NOTE

- When set to [Disable], the printer does not enter sleep mode even if the power key is pressed briefly. The printer enters sleep mode when the time set by the sleep timer has elapsed with no touchscreen operation.

[Beeping Sound]

Settings related to beeping sound are displayed. You can choose from four levels: OFF, Low, Medium, and High.

[Touch Sound]

Set the volume of the sound that plays during confirmation of input.

[Print Job End]

Set the volume of the sound that plays when printing is finished.

[Operation End]

Set the volume of the sound that plays when operations, such as updates or manual cleaning, are finished.

[Error]

Set the volume of the sound that plays when an error occurs.

■ Network Settings

[Home Screen] →  (Menu) → [Network Settings],

NOTE

- Refer to "[Menu Hierarchy \(P. 183\)](#)" for the initial values of each setting item.

[Device Settings]

Device information is displayed.

[Printer Name]

Set the name of the printer. You can enter up to 15 characters.

[Location]

Set the printer install location. You can enter up to 15 characters.

NOTE

- Only single-byte alphanumeric characters can be used.
- You cannot use the same printer name of a device already connected to the LAN.
- You cannot use a hyphen (-) as the first or last character of the printer name.

[Network Information]

The list of Network Settings is displayed.

NOTE

- Tap [Print] at the top right of the touchscreen to print the network information. ([→ P.181](#))

[LAN Settings]

Set the LAN settings.

[IPv4 Settings]

→ [Set IPv4 Address \(P. 228\)](#)

[IPv6 Settings]

→ [Set IPv6 Address \(P. 230\)](#)

[Port Settings]

→ [Configuring the Port \(P. 232\)](#)

[SNMP Settings]

Configure settings related to SNMPv1 and SNMPv3.

[Firewall Settings]

Configure filtering from specific IP Address.

→ [Restrict Communication Using Firewall or Router \(P. 239\)](#)

Setting the Administrator Password

By setting an administrator password, you can limit the users who can change some printer settings to only those who know the password (administrators). If you set the administrator password to [ON], the administrator password is required when using or changing the following menus or settings:

- Color Registration
- TOF Adjustment
- RFID Settings

Set or change the administrator password by following the steps below.

✔ IMPORTANT

- When you purchase the printer, the administrator password setting is [OFF].

1 Tap  (Menu) on Home screen.

2 Tap [Administrator].

If an Administrator password is configured, enter the password.

3 Tap [Setting] → [Administrator Password] → [ON].

4 Enter the new administrator password.

✔ IMPORTANT

- When changing the password, the following character restrictions apply:
 - Between 4 - 32 characters.
 - Only single-byte alphanumeric characters can be used.
 - For security reasons, it is recommended to use a combination of single-byte alphanumeric characters forming a password of 8 digits or more.

5 Tap [OK].

6 Follow the on-screen instructions to enter the administrator password you set again.

7 Tap [OK].

The administrator password is enabled.

■ To Disable the Administrator Password

On the home screen, select  (Menu) → [Administrator], enter the password, then select [Setting] → [Administrator Password] → [OFF].

■ Administrator Menu Hierarchy

Item	Default value
Setting (→ P.195)	Initial value
Administrator (→ P.191)	OFF
Special Settings (→ P.196)	
Idle level	Auto
AIS Mode	Standard
Backfeed	Auto
Prevent Unevenness	Disable
Prevent Media Rubbing Mode	Disable
Auto Cleaning Settings	
After Media Jam Error	Auto
Label Slit Mode	
Mode	Disable
Slit Length	0.5 mm
Detect the Remaining Ink Level	Enable
Export Configuration (→ P.196)	
Copy Configuration to USB Memory	-
Read Configuration from USB Memory	-
Remove USB Memory	-
User Permissions (→ P.197)	
System Settings	Show
Network Settings	Show
External Control (→ P.197)	
RS-232C Communication Settings	Show
Baud Rate	19200
Data Bit	8bit
Parity	None
Stop Bit	1bit
External I/O Mode	Disable
External I/O Peel Mode	Disable
External I/O Internal Power Supply	Disable
External I/O Number of Pages	Show
Mode	Disable
Pages	1
External I/O Input Signals	Show
Print Start	Disable
Pause	-
Reprint Last	-

Item			Default value
		Media Feed	-
		Emergency Stop	-
		Light Cleaning	-
		Medium Cleaning	-
		Strong Cleaning	-
		Auto Cleaning	-
		Backfeed	-
		Reset	-
		Cut	-
		Unpause for Backfeed Less Print	-
		Error Reset	-
		External I/O Output Signals	Show
		Printer READY	Disable
		Print Data Preparation Completed	-
		Print Complete	-
		Out of Media	-
		Out of Ink	-
		Ink Low	-
		Error	-
		Warning	-
		Cleaning	-
		Backfeeding	-
		Print Start READY	-
		Waiting for Backfeed	-
		Cut Completed	-
		Label Printed	-
		Paused for Backfeed Less Print	-
		Waiting-for-Cleaning-Command Signal	-
		Initialize Ext I/O Signals	
		Restore Defaults (→ P.222)	
		Printer Settings Only	-
		Network Settings Only	-
		All Settings	-
	Color Registration (→ P.198)		
	TOF Adjustment (→ P.199)		
	Select Special Pape		Not Selected
	Register Special Media		-
	Delete Special Media		-
	RFID (→ P.199)		
	RFID Media Settings		
	RFID Media		Not Selected
	Register/Edit RFID Media		-
	Delete RFID Media		-
	RFID Print Mode		Auto

Item		Default value
	RFID Recovery Operation Mode	No Recovery
	Consecutive Defect Inlays Allowed	1
	RFID Data Read	
	RFID Write-Prevention Memory Erase	
	Troubleshooting (→ P.200)	
	Copy Logs to USB Memory	-
	Read Special File	-
	Remove USB Memory	-
	Ship Printer at failure	-

■ Settings

NOTE

- To reset all settings to the default values, tap  (reset) at the upper right of the touchscreen.

[Administrator Password]

Set the administrator password. Set the password with 4 - 32 single-byte characters.

[Special Settings]

[Ink Pre-fire On The Media]

By periodically ejecting ink onto the media, the printhead (nozzle) for unused colors is operated to prevent ink from solidifying and to maintain printhead performance. You can select the amount of ink for this from [None]/[Auto]/[Half]/[Standard]/[2x].

When [None] is selected, a cleaning operation is added, resulting in a longer printing time.

[AIS Mode]

Using the same nozzle continuously will cause the printhead to wear out faster. This function shifts the print image to left or right every set number of pages to reduce this. To reduce nozzle load, it is recommended to select [Standard] or [Two-Stage Shift].

[Disable]

AIS Mode is not used. The minimum left/right margin can be set to 2.5 mm. To reduce nozzle load, it is recommended to select [Standard] or [Two-Stage Shift].

[Standard]

Prints by shifting the print image up to 0.2 mm to the left or right every certain number of Pages.

[Two-Stage Shift]

Prints with a greater nozzle movement range than [Standard]. Comparing to [Standard], the print position gap is greater but it helps printhead wear out slower. This option is suitable for printing images that use the same nozzle at a great frequency, such as thin boarder lines.

[Backfeed]

When print finishes, a backfeed operation is performed to return unused media to the feed position. Select the timing for this operation.

[Auto]

The backfeed timing is configured according to the installed cutter.

If auto cut is performed at the end of print, backfeed occurs five seconds after print finishes.

If auto cut is off at the end of print, backfeed occurs when the next print data is received.

[Before Print]

Backfeed occurs when the next print data is received.

[After Print]

Backfeed occurs five seconds after print finishes.

[After Print (Specify Wait Time)]

After print finishes, backfeed occurs after the specified wait time has elapsed. You can set from 1 - 60 seconds in 1one second increment.

[Prevent Unevenness]

[Enable]

Regardless of the selected speed, the transport speed is limited to 80 mm/sec, reducing print unevenness. Also, it takes about 20 seconds to start printing.

[Disable]

The print speed specified in print settings is applied.

[Prevent Media Rubbing Mode]

If the media is wavy or curled during print and rubs against the printhead, the printed material may become dirty. Select a setting to reduce these issues.

However, if you select anything other than [Disable], depending on the print data, the print result may be blurry or color misalignment may occur.

[Disable]

Does not adjust contact between printhead and media.

[Level 1]

Increases the gap between media and printhead by 0.2 mm (0.008").

[Level 2]

Sets the media suction to maximum.

[Level 3]

Sets both Level 1 and Level 2 at the same time.

 NOTE

- The setting values are totaled if the printhead height is configured in the RFID media settings.

[Auto Cleaning Settings]

Specify whether to perform After Media Jam Error ([Auto]/[OFF]).

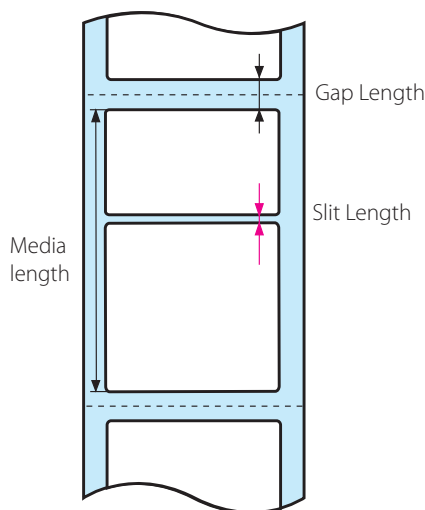
 NOTE

- Cleaning after a media jam takes about 4 minutes.
- If you select [OFF], perform cleaning on a regular basis at your preferred timing. (→ P.271)
If cleaning is not performed, print results may have faded or blank areas, or uneven solid areas.

[Label Slit Mode]

When using slit labels, setting the slit length in advance prevents errors caused by incorrect slit detection by the printer.

- Example of slit labels



[Mode]

Specify whether to use Label Slit Mode ([Enable]/[Disable]).

[Slit Length]

Set the slit length when [Enable] is selected for [Mode]. You can set from 0.5 mm - 3.0 mm (0.02" - 0.12") in 0.5 mm(0.02") increment.

[Detect the Remaining Ink Level]

Normally, this option is not available.

For detailed instructions, refer to "[About the Detect the Remaining Ink Level \(P. 308\)](#)".

[Export Configuration]

[Copy Configuration to USB Memory] (→ P.215)

Exports the settings file in the Printer to a computer connected to the Printer or to a USB flash drive.

[Read Configuration from USB Memory] (→ P.215)

Imports the settings file in a computer connected to the printer or in a USB flash drive to this printer.

 NOTE

- When loading a settings file saved on a USB flash drive, save it in the top-level directory. Settings files saved in a folder cannot be loaded.

[Remove USB Memory]

Select this when removing the USB flash drive used for exporting/importing settings files.

[User Permissions]**[System Settings]**

Set whether to show the [System Settings] menu to non-administrative users.

[Show]

[Tap  (Menu) to display the [System Settings] menu. Non-administrative users are allowed to change the settings.

[Hide]

The [System Settings] menu is displayed in the Administrator menu. Only Administrators can change the settings.

[Network Settings]

Specify whether to show the [Network Settings] menu to non-administrative users.

[Show]

Tap  (Menu) to display the [System Settings] menu. Non-administrative users are allowed to change the settings.

[Hide]

The [Network Settings] menu is displayed in the Administrator Menu. Only Administrators can change the settings.

 NOTE

- Administrator refers to a user who knows the Administrator password.
→ [Setting the Administrator Password \(P. 191\)](#)

[External Control]**[RS-232C Communication Settings]**

Configure command control for RS-232C Port.

[Baud Rate]

[9600bps] /[19200bps] /[38400bps]

[Data Bit]

[7bit] /[8bit]

[Parity]

[None] /[Even] /[Odd]

[Stop Bit]

[1bit] /[2bit]

[External I/O Mode]

Select External I/O Mode Settings:

[Enable]/[Disable].

[External I/O Peel Mode]

Select External I/O Peel Mode Settings:
[Enable]/[Disable].

[External I/O Internal Power Supply]

Select settings for using internal power for external I/O:
[Enable]/[Disable].

[External I/O Number of Pages]

Set the number of copies when using external I/O.

[Mode]

[Enable]/[Disable]

[Pages]

Can be set from 1 -10000 pages in unit of page.

[External I/O Input Signals]

Set external I/O input signal. Select each item from the options below:

[Pin Number]

[Disable]/[PIN10] to [PIN15]

[Active]

[HIGH]/[LOW]

[Signal]

[LEVEL]/[PULSE]

[External I/O Output Signals]

Set external I/O output signal. Select each item from the options below:

[Pin Number]

[Disable]/[PIN10] - [PIN15]

[Active]

[HIGH]/[LOW]

[Signal]

[LEVEL]/[PULSE]

[Initialize Ext I/O Signals]

Initialize settings for External I/O Input signals/External I/O output signals.

[Restore Defaults] (→ P.222)**[Printer Settings Only]**

Restore the System Settings setting values to default.

[Network Settings Only]

Restore Network Settings setting values to default.

[All Settings]

Restore all settings to default values.

■ Color Registration

[Home Screen] →  (Menu) → [Administrator] → [Color Registration].

→ [Adjusting the Position of the Printhead \(P. 275\)](#)

■ TOF Adjustment

[Home Screen] →  (Menu) → [Administrator] → [TOF Adjustment].

NOTE

- To reset all settings to the default values, tap  (reset) at the upper right of the touchscreen.

[Select Special Media] (→ P.203)

Select the media to use from the list of registered special media.

[Register Special Media] (→ P.213)

You can register up to five types of special media.

[Delete Special Media] (→ P.213)

Select the media to delete from the list of registered special media.

■ RFID

[Home Screen] →  (Menu) → [Administrator] → [RFID].

NOTE

- Displayed only when the RFID unit (option) (→ P.325) is installed.
- To reset all settings to the default values, tap  (reset) at the upper right of the touchscreen.

[RFID Media Settings]

Select the media to use from the list of registered RFID media.

[RFID Print Mode] (→ P.338)

Select RFID print mode settings.

[RFID Recovery Operation Mode] (→ P.340)

Select recovery operation settings in case of RFID encoding failure.

[Consecutive Defect Inlays Allowed] (→ P.338)

Set the number of times to perform recovery operation in case of RFID encoding failure.

[RFID Data Read] (→ P.341)

Read encoded RFID media and check the data content.

[RFID Write-Prevention Memory Erase] (→ P.342)

Erase RFID encoding data held in the printer.

■ Troubleshooting

[Home Screen] →  (Menu) → [Administrator] → [Troubleshooting].

[Copy Logs to USB Memory]

Export printer logs to a USB flash drive. Log data is saved as a password-protected ZIP file.

NOTE

- This menu item is used when saving the printer's operation log file to a USB flash drive. The dealer may request this log file for printer repair or maintenance purposes.

[Read Special File]

Load special files (extension: PRN) from a computer connected to the printer or from a USB flash drive into this Printer.

NOTE

- When loading special files saved on the USB flash drive, save them in the top-level directory. Special files saved in the folders cannot be loaded.

[Remove USB Memory]

Select this when removing the USB flash drive used for firmware update or printing/reading special files.

[Ship Printer at failure]

Select this when performing Ship Printer at failure.

Changing the Transition Time to Power off/Sleep State

Change the time to automatically power off or enter sleep state when no operation is performed from the printer driver or printer for a certain period of time.

■ Change the Auto Power-off Time

✓ IMPORTANT

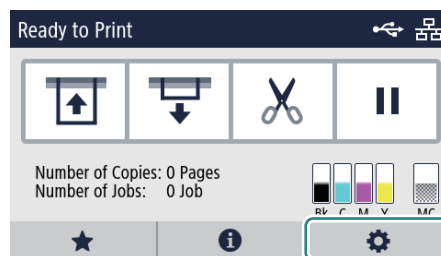
- The auto power-off time cannot be changed if Sleep Timer is set to [OFF]. To set it, change the Sleep Timer setting to something other than [OFF].

📖 NOTE

- To reset all settings to the default values, tap  (reset) at the upper right of the touchscreen.

1 Tap (Menu) on Home screen.

If the screen below is not displayed, tap  (Home).



2 Tap [System Settings] → [Power-Off Timer].

✓ IMPORTANT

- Changing the settings may increase power consumption.

3 Examine the displayed message and tap [OK].

4 Select the setting time.

The standby time before the printer turns off can be set from 1 - 720 minutes.

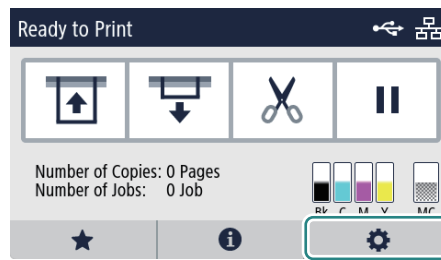
📖 NOTE

- Select [Advanced Settings] to set the standby time until power off in 1-minute increment.
-

■ Change the Sleep Transition Time

1 Tap  (Menu) on Home screen.

If the screen below is not displayed, tap  (Home).



2 Tap [System Settings] → [Sleep Timer].

IMPORTANT

- Changing the settings may increase power consumption.

3 Examine the displayed message and tap [OK].

4 Select the setting time.

The standby time before the printer enters sleep mode can be set from 1 - 240 minutes.

NOTE

- Select [Advanced Settings] to set the standby time before the printer enters sleep mode in 1-minute increment.
- If set to [OFF], the [Power-Off Timer] menu is grayed out and cannot be changed.

Registering Special Media

When printing on printed labels or RFID media without black marks, the printer may not be able to read the labels and liners, causing the print position to shift. By registering such media as special media to the printer, you can ensure correct print positioning. You can register up to five special media settings.

Prepare the media to register, in an unprinted state, and follow the steps below.

The registration method differs depending on whether there are black marks.

→ For Media Without Black Marks (P. 203)

→ For Media With Black Marks (P. 208)

✓ IMPORTANT

- Some commercially available labels cannot be read by this printer. Before use, it is recommended to verify that special media registration can be completed without any error.
- To write RFID information to RFID media, the "RFID Unit RF-L01" (optional) is required.

■ For Media Without Black Marks

1 Tap  (Menu) on Home screen.

2 Tap [Administrator].

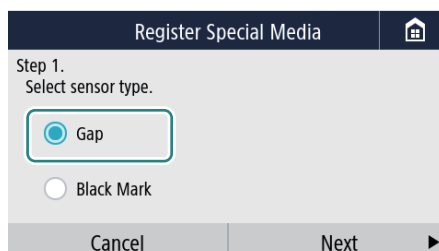
If an Administrator password is configured, enter the password.

3 Tap [TOF Adjustment] → [Register Special Media].

4 Select the item displayed as "Not Registered".



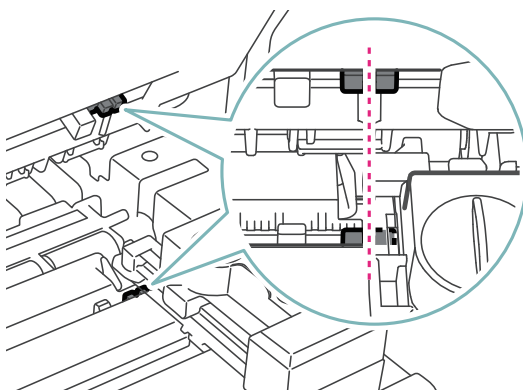
5 Select [Gap] and tap [Next].



Tap [Next].

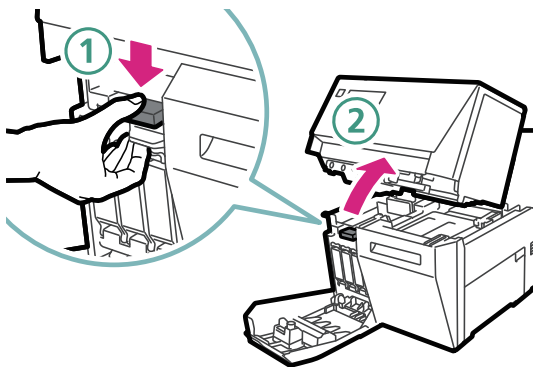
6 Open the roll cover and remove the media.

7 Verify that the positions of the upper and lower sensors are vertically aligned.



Tap [Next].

8 Open the ink tank cover, press the upper unit open lever, and open the upper unit.

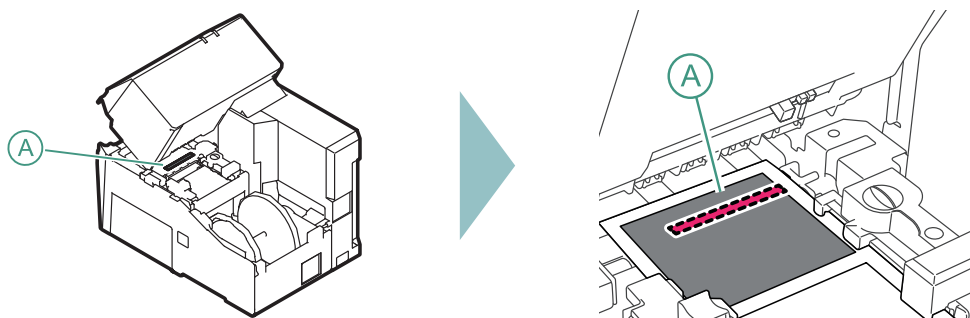


Tap [Next].

9 Prepare the media to register.

Tap [Next].

10 Place the label part of the media on the sensor window (A).

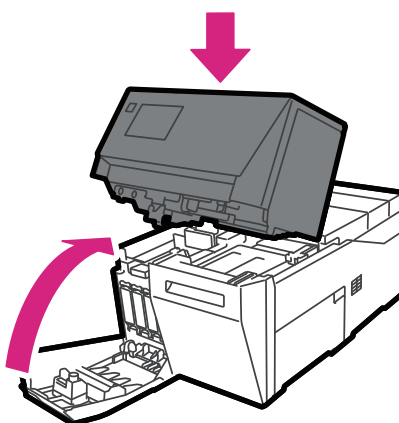


✓ IMPORTANT

- Make sure that pre-printed labels or RFID inlays do not overlap the sensor window (A).

Tap [Next].

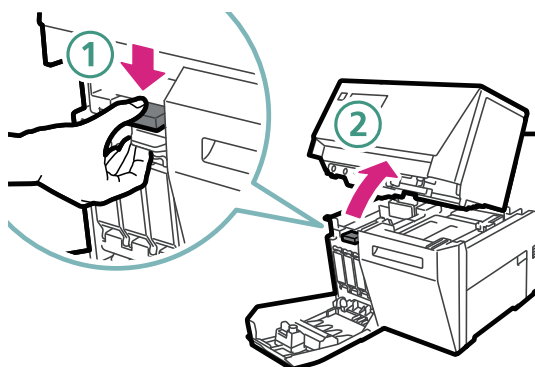
11 Close the upper unit and ink tank cover, then tap [Next].



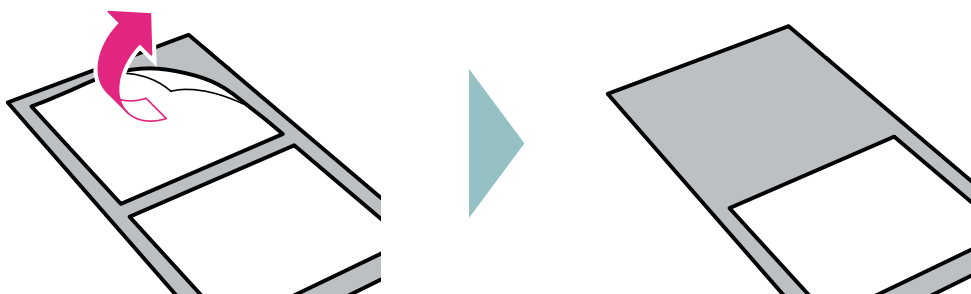
The printer scans the media.

12 Open the ink tank cover, press the upper unit open lever, and open the upper unit.

Tap [Next].

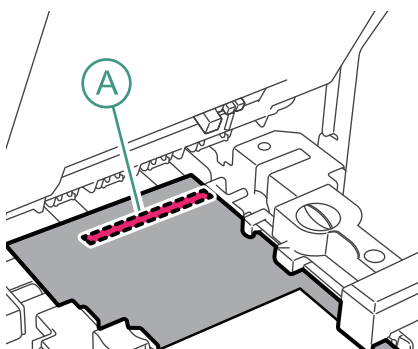


13 Peel off the label and expose the liner widely.



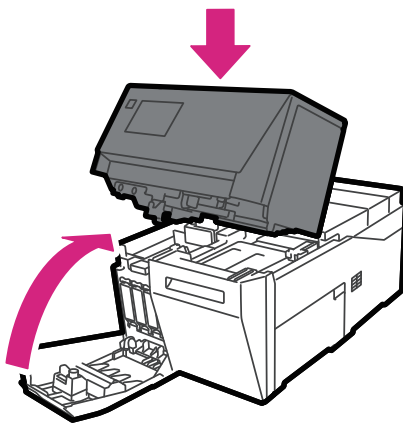
Tap [Next].

14 Place the liner of the media on the sensor window.



Tap [Next].

15 Close the upper unit and ink tank cover, then tap [Next].



The printer scans the media.

16 Check the reading result and tap [Next].

Register Special Media	
Step 11. This Media can be registered. The output ratio is below the threshold. Press [Next] and enter the Media name.	
Label Voltage	1.00 v
Gap Voltage	2.00 v
Output Ratio	50 %
Cancel	Next ►



NOTE

- If the following screen appears in the scan result after a few trials, refer to "[Special Media Cannot Be Registered \(P. 303\)](#)".

Register Special Media	
Step 11. The sensor has failed to distinguish the label section and the separator section. Refer to the user's guide and try again.	
Label Voltage	0.00 v
Gap Voltage	0.00 v
Output Ratio	0 %
Cancel	Next ►

The media name registration screen appears on the touchscreen.

17 Enter the media name and tap [OK].

A screen to indicate the registration process completed is displayed.

■ For Media With Black Marks

1 Tap  (Menu) on Home screen.

2 Tap [Administrator].

If an Administrator password is configured, enter the password.

3 Tap [TOF Adjustment] → [Register Special Media].

4 Select the item displayed as "Not Registered".

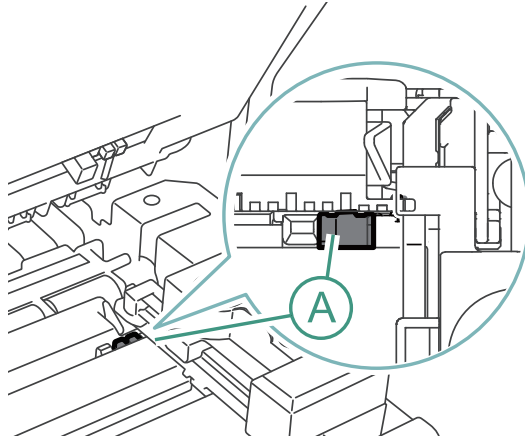
↶	Register Special Media
1. Not Registered	
2. Not Registered	
3. Not Registered	
4. Not Registered	
5. Not Registered	

5 Select [Black Mark].

Tap [Next].

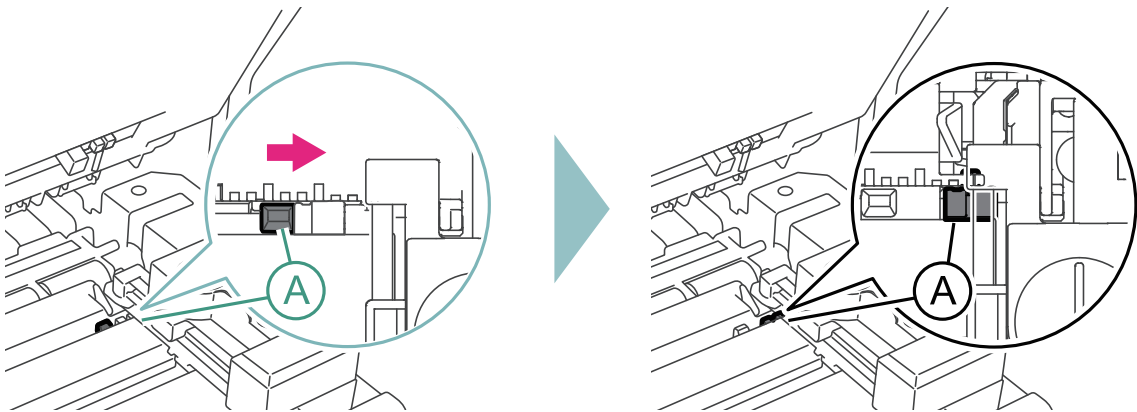
6 Open the roll cover and align the lower sensor (A) to the standard position on the transport guide (L) side.

The standard position provides a click feeling when moving the lower sensor (A) toward the transport guide side.



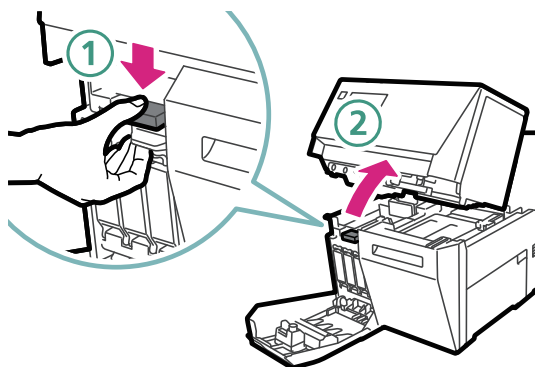
NOTE

- When registering media with a width of 0.5" (12.7 mm), move the lower sensor further from the standard position until it touches the transport guide (L) side.



Tap [Next].

7 Open the ink tank cover, press the upper unit open lever, and open the upper unit.



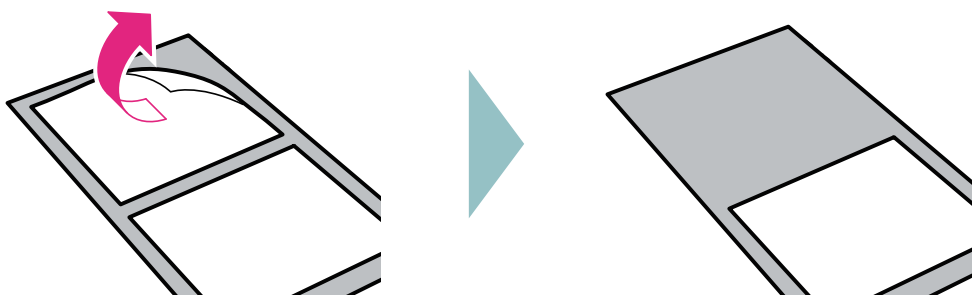
Tap [Next].

8 Prepare the media to register.

Tap [Next].

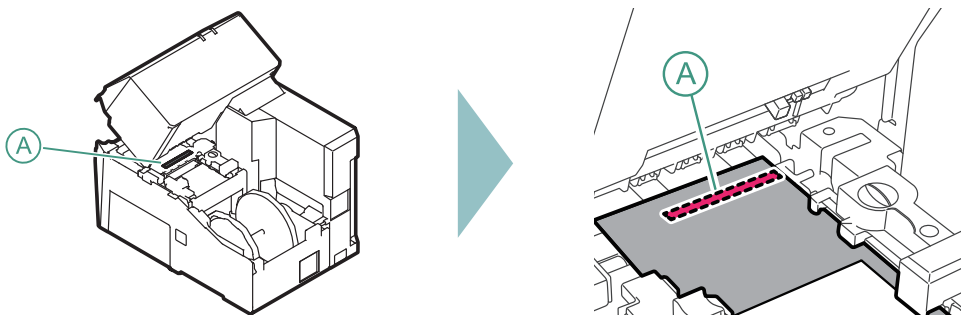
9 For label media, peel off the label and expose the liner widely.

If non-label media, proceed to Step 10.



Tap [Next].

10 Place the liner of the media on the sensor window (A).



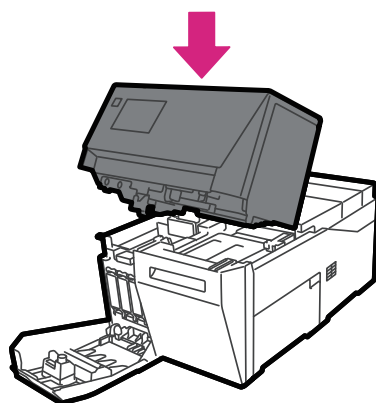
✓ IMPORTANT

- Make sure that the black marks, pre-printed images, or RFID inlays do not overlap the sensor window (A).

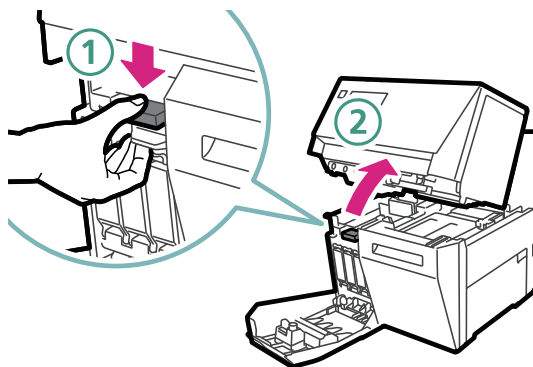
Tap [Next].

11 Close the upper unit and tap [Next].

The printer scans the media.

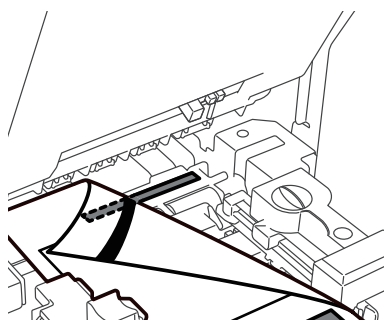


12 Open the ink tank cover, press the upper unit open lever, and open the upper unit.



Tap [Next].

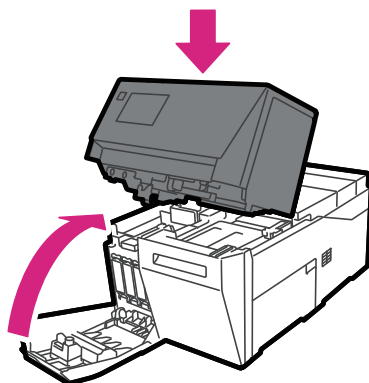
13 Place the black mark part of the media on the sensor window.



Tap [Next].

14 Close the upper unit and ink tank cover, then tap [Next].

The printer scans the media.



15 Check the reading result and tap [Next].

Register Special Media		
Step 11. This Media can be registered. The output ratio is below the threshold. Press [Next] and enter the Media name.		
Label Voltage	1.00 v	
Gap Voltage	2.00 v	
Output Ratio	50 %	
Cancel		Next ▶

NOTE

- If the following screen appears in the scan result after a few trials, refer to ["Special Media Cannot Be Registered \(P. 303\)"](#).

Register Special Media		
Step 11. The sensor has failed to distinguish the label section and the separator section. Refer to the user's guide and try again.		
Label Voltage	0.00 v	
Gap Voltage	0.00 v	
Output Ratio	0 %	
Cancel		Next ▶

The printer scans the media, and the media name registration screen appears on the touchscreen.

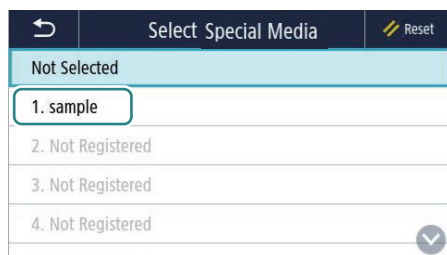
16 Enter the media name and tap [OK].

A screen to indicate the registration process completed is displayed.

Using Special Media Settings

When printing using the registered special media settings, follow the steps below.

- 1 Tap  (Menu) on Home screen.
- 2 Tap [Media Type Settings] → [Select Special Media].
- 3 Select the desired setting from the list.



NOTE

- If you have replaced the media, verify the special media settings. If the special media setting that matches the media is not selected, printing may not be in the correct position.
- To reset all settings to the default values, tap  (reset) at the upper right of the touchscreen.

Deleting Special Media Settings

To delete registered special media settings, follow the steps below.

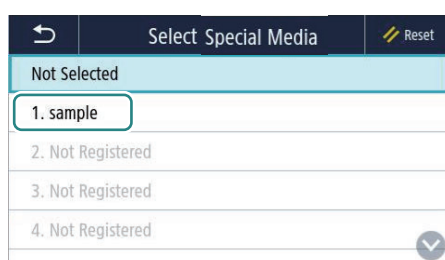
1 Tap (Menu) → [Administrator] on Home screen.

If an Administrator password is configured, enter the password.

2 Tap [TOF Adjustment] → [Delete Special Media].

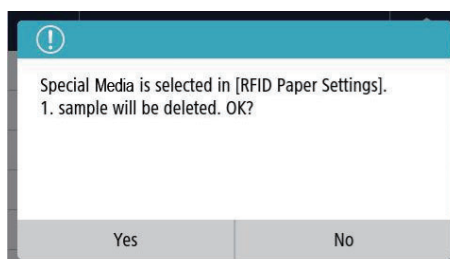
The registered special media settings is displayed.

3 Select the name of the [Special Media Settings] to delete.



NOTE

- When using the optional RFID unit and the selected registered name is selected in [RFID Media Settings] (→ P.327), the following message is displayed:



- When using RFID media (Label/Gap), it is necessary to register the media information in [Special Media Settings]. If the deleted [Special Media Settings] were selected as the settings for RFID media (Label/Gap), please register the special media again. (→ P.203)

Creating Shortcut

You can register frequently used functions to the shortcut menu. You can recall the functions you want to use continuously without returning to the home screen.

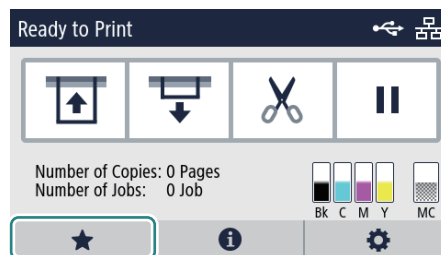
You can also edit (→ P.217) or delete (→ P.219) the shortcut menu later.

NOTE

- You can register up to 6 shortcuts per page, and up to 3 pages, in the shortcut menu.

■ Register Shortcut Menu

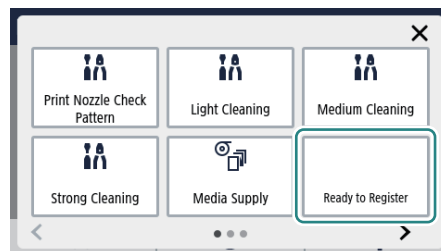
- 1 Tap  (Shortcut) on Home screen.



NOTE

- Alternatively, from the Home screen,  (Menu) → [System Settings] → [Shortcut Registration] → [Yes] to open the short cut menu . In that case, proceed to Step 4.

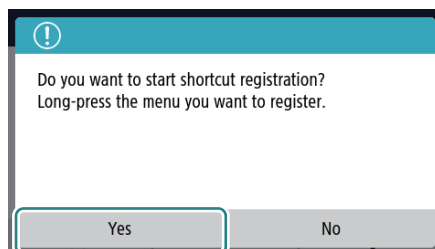
- 2 Select the button that displays "Ready to Register".



NOTE

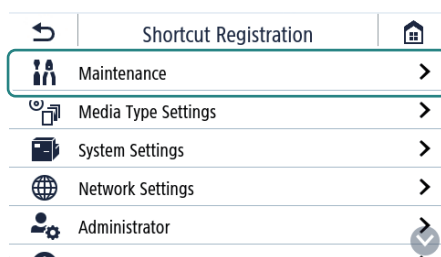
- By default, "Print Nozzle Check Pattern", "Light Cleaning", "Medium Cleaning", "Strong Cleaning", and "Media Supply" are registered.

3 Select [Yes].

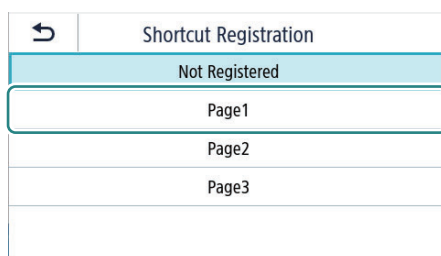


The menu list will be displayed.

4 Touch and hold the function to register to the shortcut menu.



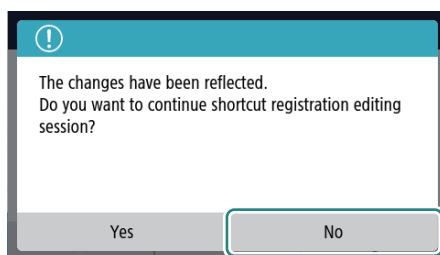
5 Select the page to register the shortcut menu to.



NOTE

- You cannot select a page that already has 6 functions registered.

6 Select [No].



NOTE

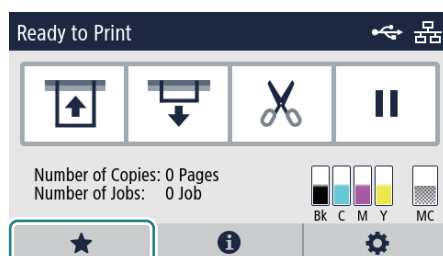
- If you select [Yes], you will return to the screen in Step 4.

The function selected in Step 4 will be added to the shortcut menu.



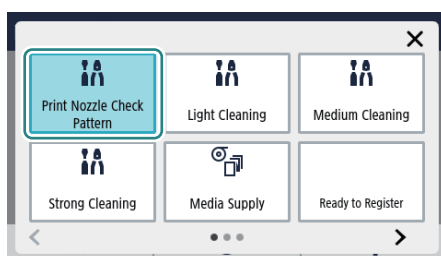
■ Edit Shortcut Menu

1 Tap (Shortcut) on Home screen.

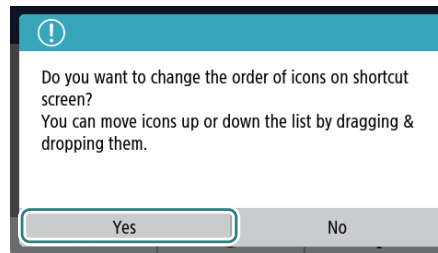


2 Touch and hold the button of the function edit.

The background of the button changes from white to light blue.



3 Select [Yes].



4 Set the display order of the buttons.

- To change the display order within the same page:
 1. Touch and hold the button of the function to edit until the text turns to gray.
 2. Drag and move it to the desired position.
- If you want to move to another Page
 1. Tap the function you want to edit.
 2. When the selection menu appears, select the page you want to move to.

NOTE

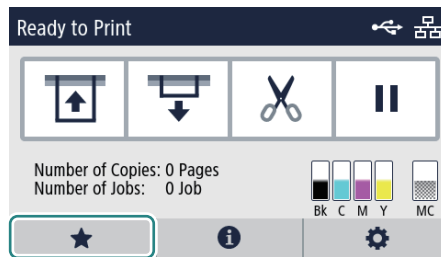
- You cannot select a page that already has 6 functions registered as the destination.

5 Tap [Confirm].



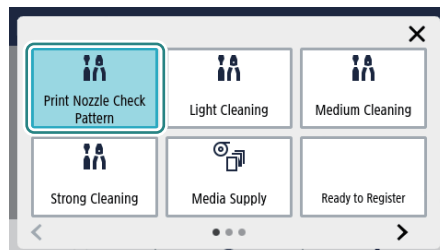
■ Delete Shortcut Menu

- 1 Tap  (Shortcut) on Home screen.

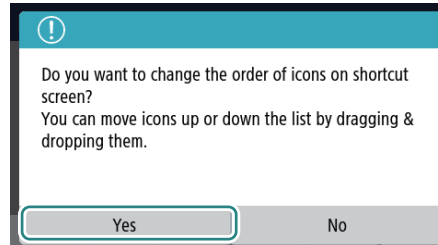


- 2 Press and hold the button of any function in the shortcut menu.

The background of the button changes from white to light blue.

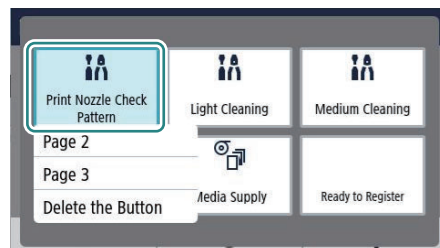


- 3 Select [Yes].

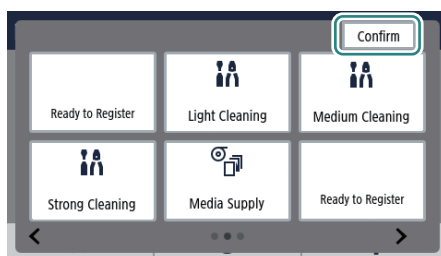


- 4 Select the function to delete.

- 5 When the selection menu appears, select [Delete the Button].



6 Tap [Confirm].



Transferring Printer Settings

You can transfer printer settings to another printer of the same model.

NOTE

- This functionality is supported only between the same firmware version. The data to be transferred is fixed.
- The only format of the USB flash drive supported by this printer is FAT32. A USB flash drive formatted with NTFS or exFAT cannot be recognized.

IMPORTANT

- If an administrator password is enabled for setting changes on the operation panel, the administrator password is required when changing the settings. (→ P.191)

1 Export settings.

1. Insert the USB flash drive into the USB connector.
2. On the home screen, tap  (Menu).
3. Tap [Administrator].
If an Administrator password is configured, enter the password.
4. Tap [Settings] → [Export Configuration] → [Copy Configuration to USB Memory].
5. Tap [Yes].
6. Tap [OK].
7. Tap [Remove USB Memory] or  (Remove Memory Media).

2 Import settings.

1. Insert the USB flash drive into the USB connector.
2. On the home screen, press  (Menu).
3. Tap [Administrator].
If an Administrator password is configured, enter the password.
4. Tap [Export Configuration] → [Read Configuration from USB Memory].
5. Select the file to import.
6. Tap [OK].
7. Tap [Remove USB Memory] or  (Remove Memory Media).

NOTE

- When loading a settings file saved on a USB flash drive, save it in the top-level directory. Settings files saved in a folder cannot be loaded.
- When removing the USB flash drive, you can safely remove it by tapping [Remove USB Memory] or  (Remove Memory Media).

Initializing Printer Settings

Restore the printer settings to their default values.

 IMPORTANT

- If an administrator password is enabled for setting changes on the operation panel, the administrator password is required when changing the settings. (→ P.191)

1 Tap  (Menu) on Home screen.

2 Tap [Administrator].

If an Administrator password is configured, enter the password.

3 Tap [Settings] → [Restore Defaults].

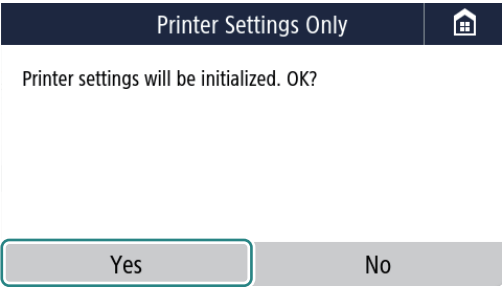
4 Select the settings to initialize.

Printer Settings Only	Restore all items set in  (Menu), except for the items listed below, to their default values. → Menu Hierarchy (P. 183) • [Network Settings] (→ P.197) • [Administrator] → [Color Registration] (→ P.198) • [Administrator] → [TOF Adjustment] (→ P.199) • [Administrator] → [RFID] (→ P.199)
Network Settings Only	Restore items set in [Network Settings] to their default values. → Network Settings (P. 190)
All Settings	Initialize Printer Settings and Network Settings.

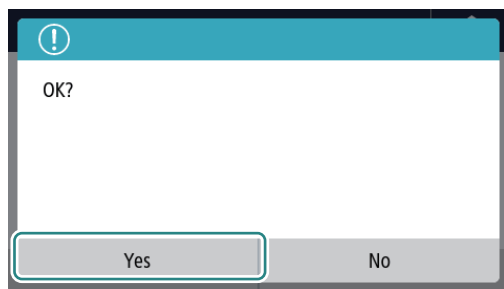
 NOTE

- **Initializing External I/O Input/Output Signal Settings**
Initializing the [Printer Settings] also initializes the [External I/O input/output signals] settings.
To initialize only the [External I/O Input/Output Signals], select [Administrator] → [Setting] → [External Control] → [Initialize Ext I/O Signals] (P.197)

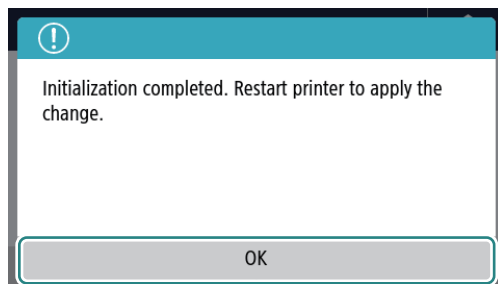
5 Read the message and tap [Yes].



6 Read the message and tap [Yes].



7 Read the message content and tap [OK].



Restart the printer. (→ P.10)

Connection with Computer

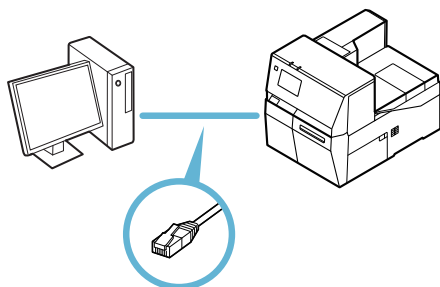
Connecting the Printer and Computer.....	225
Connecting with LAN Cable	226
Connecting with USB Cable.....	227
Changing Network Settings	228
Configuring LAN Settings.....	228
Configuring the Port	232
Matching the Network Environment to Be Used.....	233
Confirming Network Settings Information	234
Manage Security	239
Sharing the Printer on a Network.....	240
Settings on the Print Server Device.....	241
Settings on the Client Device.....	242

Connecting the Printer and Computer

The printer is compatible with Hi-Speed USB and LAN.

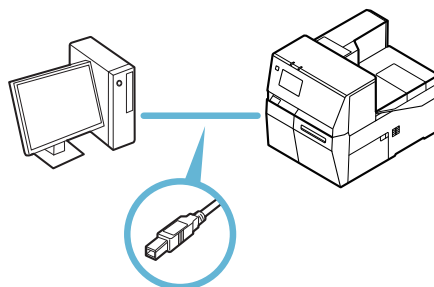
● Connecting with LAN Cable (→ P.226)

Connect the printer to a computer using a LAN cable.



● Connecting with USB Cable (→ P.227)

Connect the printer to a computer using a USB cable.



✓ IMPORTANT

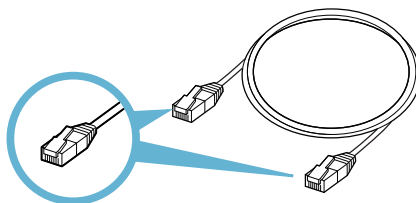
- The USB cable is hot-swappable. However, it should be noted that the USB cable should not be connected or disconnected in the following cases:
 - When the computer is being booted. (before the desktop appears)
 - When the printer is printing.
 - When the printer driver is being installed.
- When disconnecting the cable while the PC or printer is powered on, please remove the connector from the computer side. Also, when reconnecting the cable, please wait at least 5 seconds before plugging it in. If the interval is too short, the printer may not operate correctly.

Connecting with LAN Cable

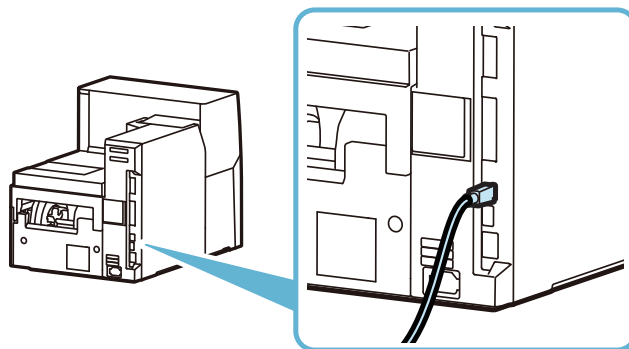
✔ IMPORTANT

- Use a Category 5e or better twisted pair Ethernet cable.
- Please confirm that the computer or other devices are connected to the router. For information on how to check the settings, refer to the manual included with the router or contact the manufacturer.
- If the printer driver is not installed on the computer to be connected, please install the printer driver.
- For instructions on how to install the printer driver, refer to ["Installing the Printer Driver \(P. 149\)"](#)
- If you are using a router, connect the printer and computer or other devices to the LAN side (in the same segment).
- The configuration of the network devices, presence or absence of the router functions, settings methods, and security settings vary depending on your environment. For details, refer to the manual of your device or contact the manufacturer.
- Connection to a corporate LAN must be made by a network administrator.
- When connecting to a network environment that is not protected by security, there is a risk that your personal Information and other data may be leaked to third parties. Please be fully aware.

1 You will need an Ethernet cable (sold separately).

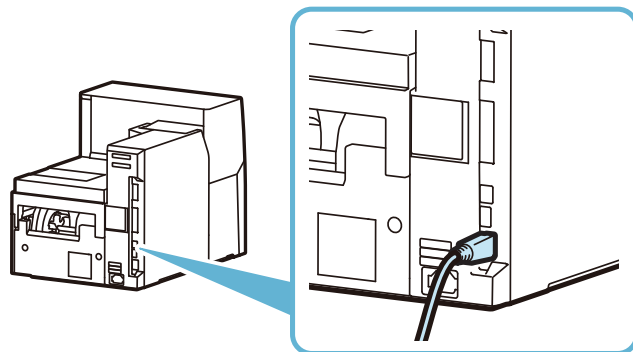


2 Connect the printer and a network device (router, etc.) with an Ethernet cable. Do not connect to any other port.



Connecting with USB Cable

- 1 Connect the USB cable to the printer and then to the computer.

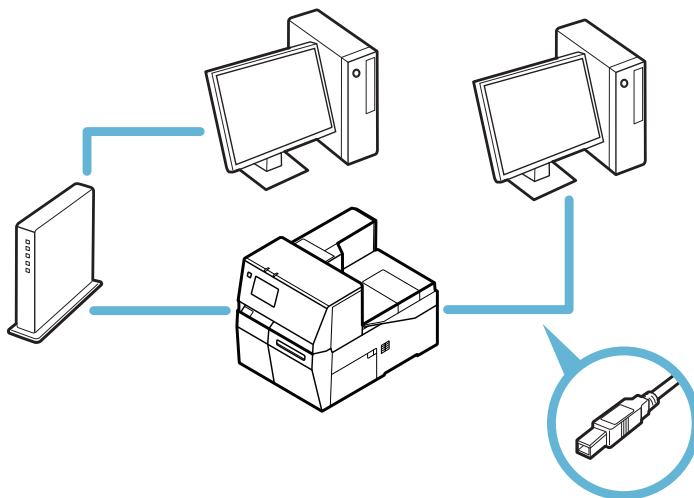


In USB connection, the printer is connected one-on-one to the computer.

If your computer is connected to LAN, you can use the printer with other devices by enabling the sharing setting on your computer.

NOTE

- You can connect the printer to a computer via USB even when the printer is already connected to another one via wired LAN.



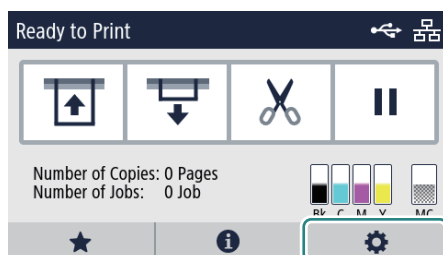
Changing Network Settings

When changing network settings, please consult with your network administrator in advance and configure the necessary settings.

Configuring LAN Settings

■ Set IPv4 Address

- 1 Tap  (Menu) on Home screen.



- 2 Select [Network Settings] → [LAN Settings] → [IPv4 Settings] in order.

- 3 Select [Address Settings]

- 4 Set IP address

- When manually setting the IP address
 1. Tap [DHCP] → [Off].
 2. Tap [IP address] and enter the IP address.
 3. Tap [OK].
 4. Tap [Subnet Mask] and enter the subnet mask.
 5. Tap [OK].
 6. Tap [Default Gateway] and enter the default gateway information.
 7. Tap [OK].
- When automatically assigning the IP address
 1. Tap [DHCP].
 2. Tap [ON].



NOTE

- [IP address Auto Settings] is [ON], IP address, subnet mask, and default gateway are automatically acquired from the DHCP server. If communication with the DHCP server fails, the AutoIP function will be enabled.

5 Configure the following as needed:

- To use DNS server

1. Tap [DNS Settings].
2. Tap [Primary DNS Address] and enter the IP address.
3. Tap [OK].
4. Tap [Secondary DNS Address] and enter the subnet mask.
5. Tap [OK].
6. Tap [Host Name] and enter the host name.
7. Tap [OK].
8. Tap [DNS Dynamic Update] and choose [Off] or [ON].
9. Tap  (Home) → [Yes].

- If using mDNS

1. Tap [mDNS] → [ON].

- To use options with DHCP server connection

1. Tap [DHCP Options Settings] and configure the necessary options.
2. Tap  (Home) → [Yes].

NOTE

- When the necessary options are configured for [DHCP Options Settings], enable the corresponding option settings on the DHCP server.
- While the options are set to [ON] on the printer, the intended display may not be achieved if the corresponding options are disabled on the DHCP server.
- When setting “Acquire Host Name” or “Acquire Domain Name” to [ON], please set each name configured on the DHCP server side to meet the following conditions. If set to [ON] without meeting the conditions, the intended display may not appear.
 - Use a host name up to 15 characters
 - Do not include prohibited characters (such as spaces) in the domain name

- To use PING Command

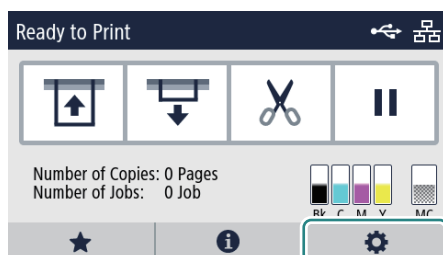
1. Select [PING Command]
2. Select [IP address], enter the IP address, and select [Run]
3. Select  (Home) → [Yes]

■ Set IPv6 Address

NOTE

- Multiple IPv6 Addresses can be used simultaneously.

1 Tap  (Menu) on Home screen.



2 Select [Network Settings] → [LAN Settings] → [IPv6 Settings] → [Use IPv6] → [ON] in order.

3 Configure the following as needed:

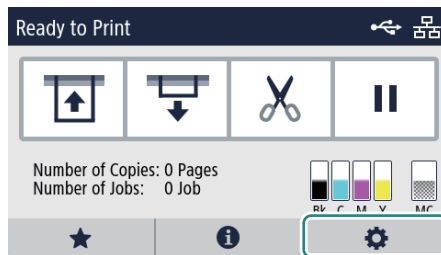
- To manually configure the IP address
 1. Select [Manual Address] → [ON].
 2. Select [Manual Address], enter the IP address, and press [OK].
 3. Select [Prefix Length], enter the prefix length, and press [OK].
 4. Select [Default Router Address], enter the default router address, and press [OK].
- To acquire a stateful address from the DHCP server using DHCPv6
 1. Select [Use DHCPv6] → [ON].
 2. Select [Stateless Address] → [ON].
- To use DNS server
 1. Select [DNS Settings].
 2. Select [Primary DNS Address] and enter the IP address.
 3. Select [OK].
 4. Select [Secondary DNS Address] and enter the subnet mask.
 5. Select [OK].
 6. Select [Host Name] and enter the host name.
 7. Select [OK].
 8. Select [DNS Dynamic Update] and choose [Off] or [ON].
 9. Select  (Home) → [Yes].
- If using mDNS
 1. Select [mDNS] → [ON].
- To use options with DHCP server connection
 1. Select [DHCP Options Settings] and configure the necessary options.
 2. Select  (Home) → [Yes].

NOTE

- When the necessary options are configured for [DHCP Options Settings], enable the corresponding option settings on the DHCP server.
While the options are set to [ON] on the printer, the intended display may not be achieved if the corresponding options are disabled on the DHCP server.
 - When setting "Acquire Domain Name" to [ON], please set the Name configured on the DHCP server side to meet the following conditions. If set to [ON] without meeting the conditions, the intended display may not appear.
 - Do not include prohibited characters (such as spaces) in the domain name
- To use PING Command
 1. Select [PING Command].
 2. Select [IP address], enter the IP address, and press [Run].
 3. Select [IP Address], enter the IP address, and select [Run] .
 4. Select  (Home) → [Yes].

Configuring the Port

- 1 Tap  (Menu) on Home screen.



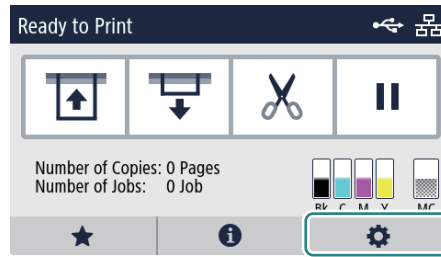
- 2 Select [Network Settings] → [LAN Settings] → [Port Settings].

- 3 Configure the following as needed:

- To use proprietary protocol:
 1. Select [Use Proprietary Protocol] → [ON].
- To use RAW printing
 1. Select [Use RAW Printing] → [ON].
 2. Select [Timeout] and set the time before timeout.
- To use LPD printing
 1. Select [Use LPD Printing] → [ON].
 2. Select [Timeout] and set the time before timeout.

Matching the Network Environment to Be Used

- 1 Tap  (Menu) on Home screen.



- 2 Select [Network Settings].

[Device Settings]

Configure the printer name and location. You can enter up to 15 characters.

NOTE

- You cannot use the same printer name of a device already connected to the LAN.
- You cannot use a hyphen (-) as the first or last character of the printer name.

[Network Information]

A list of Network Settings will be displayed. Select [Print] at the top right to print the network Information.

[LAN Settings]

Configure the IP address.

[IPv4 Settings] (→ P.228)

[IPv6 Settings] (→ P.230)

[Port Settings] (→ P.232)

[SNMP Settings]

Configure settings related to SNMPv1 and SNMPv3.

[Firewall Settings]

Configure filtering to specific IP addresses.

Confirming Network Settings Information

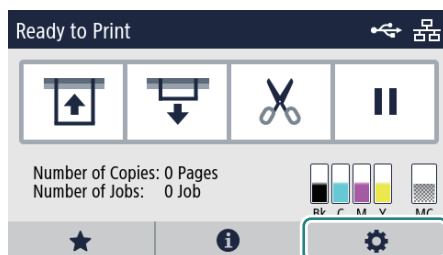
Check the network settings information configured on this printer.

→ [Check on the Touchscreen \(P. 234\)](#)

→ [Print and Confirm \(P. 237\)](#)

■ Check on the Touchscreen

- 1 Tap  (Menu) on Home screen.



- 2 Select [Network Settings] → [Network Information] in order.

Network settings information will be displayed.

Items		Setting ("XX" indicates alphanumeric characters)
Printer Information		
	Printer	XXXXXXXXXXXXXXXXXX
	Location	XXXXXXXXXXXXXXXXXX
	MAC Address	XX:XX:XX:XX:XX:XX
	Firmware Version	XX.XX.XX.XXXX
LAN Settings		
IPv4 Settings		
Address Settings		
	DHCP	ON/OFF
	IP Address	XXXX.XXXX.XXXX.XXXX
	Subnet Mask	XXX.XXX.XXX.XXX
	Default Gateway	XXX.XXX.XXX.XXX
DNS Settings		
	Primary DNS Address	XXX.XXX.XXX.XXX
	Secondary DNS Address	XXX.XXX.XXX.XXX
	Host Name	XXXXXXXXXXXXXXXXXX
	Domain Name	XXXXXXXXXXXXXXXXXX
	DNS Dynamic Update	ON/OFF
	mDNS	ON/OFF
DHCP Options Settings		
	Acquire Host Name	ON/OFF
	DNS Dynamic Update	ON/OFF

Items			Setting ("XX" indicates alphanumeric characters)
		Acquire DNS Server Address	ON/OFF
		Acquire Domain Name	ON/OFF
	IPv6 Settings		
	Use IPv6		ON/OFF
	Link-Local Address		FE80:0000: XXXX: XXXX: XXXX: XXXX:
	Stateless Address		ON/OFF
	Manual Address Settings		
	Use Manual Address		ON/OFF
	Manual Address		XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX:XXXX
	Prefix Length		1~128
	Default Router Address		XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX:XXXX
	Use DHCPv6		ON/OFF
	DNS Settings		
	Primary DNS Address		XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX:XXXX
	Secondary DNS Address		XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX:XXXX
	Host Name		XXXXXXXXXXXXXXXXXX
	Domain Name		XXXXXXXXXXXXXXXXXX
	DNS Dynamic Update		ON/OFF
	mDNS		
	mDNS		ON/OFF
	DHCP Options Settings		
	Acquire DNS Server Address		ON/OFF
	Acquire Domain Name		ON/OFF
	Port Settings		
	Use Proprietary Protocol		ON/OFF
	RAW Printing Settings		
	Use RAW Printing		ON/OFF
	Timeout		1 - 60 minutes
	LPD Printing Settings		
	Use LPD Printing		ON/OFF
	Timeout		1 - 60 minutes
	SNMP Settings		
	SNMPv1 Settings		ON/OFF
	Use SNMPv1		ON/OFF
	Community Name 1 Settings		
	Community Name 1		ON/OFF
	Community Name		XXXXXXXXXXXXXXXXXX
	Community Name 2 Settings		
	Community Name 2		ON/OFF
	Community Name		XXXXXXXXXXXXXXXXXX
	SNMPv3 Settings		
	Use SNMPv3		ON/OFF

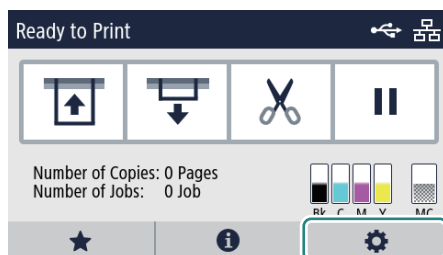
Items		Setting ("XX" indicates alphanumeric characters)
	Username	XXXXXXXXXXXXXXXXXX
	Security Settings	AuthPriv AuthNoPriv NoAuthNoPriv
	Authentication Algorithm	MD5/SHA1/SHA224/SHA256/SHA384/SHA512
	Authentication Password	8 - 16 alphanumeric characters
	Encryption Algorithm	MD5/SHA1/SHA224/SHA256/SHA384/SHA512
	Encryption Password	8 - 16 alphanumeric characters
Firewall Settings		
IPv4 Address: Receive Filter		
	Use Filter	ON/OFF
	Default Policy	Allow/Reject
	Exception Address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX
IPv6 Address: Receive filter		
	Use Filter	ON/OFF
	Default Policy	Allow/Reject
	Exception Address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX
MAC Address: Receive filter		
	Use Filter	ON/OFF
	Default Policy	Allow/Reject
	Exception Address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX

■ Print and Confirm

✓ IMPORTANT

- The media printed your network settings information contains important information about your network. Please handle it with care.
- Confirm that media is loaded.
- For printing the setting values, please use media at least 2" wide x 1.5" long. If you use media smaller than this size, an error will occur and printing fails.
- During printing or if an error occurs, the setting values cannot be printed.

1 Tap (Menu) on Home screen.

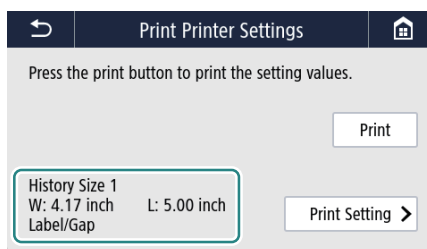


2 Select [Network Settings] → [Network Information] in order.

Network settings information will be displayed.

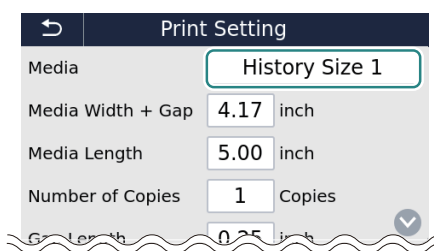
3 Tap [Print].

4 Check the displayed print setting information.



- If the set media and settings do not match

1. Select [Print Settings].
2. Tap [Media] and select the media size set in the printer from the displayed list.



- To select from the recently used media:
Select one of [History Size 1] through [History Size 3].

NOTE

- Within [Media], the items [History Size 1] through [History Size 3] store the print settings from the three most recent jobs. However, because the print settings for special-shaped labels are not suitable for the print settings report format, they are not stored as history sizes.
- To select from the standard label paper:
Select the size for printing. Refer to ["Selecting the Media Size \(P. 65\)"](#) for a list of registered media sizes.

- To set a custom media size:
Tap and enter media information in the text boxes. The displayed media name will automatically change to "Custom Size."
The settable range of media sizes varies depending on the media form. For details, refer to ["Custom Media Size Setting Range \(P. 39\)"](#)

3. Tap  (Back).

5 Tap [Print].

NOTE

- Select [Print Setting] to display the current print setup screen to check the setting values for each item.

Manage Security

This section describes countermeasures against an unauthorized access to the printer from outside. When you use the printer via a network or you are an administrator, we recommend you read this section before using the printer.

■ Specify a Private IP Address

An IP address is a numeric label assigned to each device on the network. There are two types of IP address. One is used for internet connection ("global IP address"), and the other is used for a local area network such as an inhouse LAN ("private IP address").

If a global IP address is specified for the printer, many and unspecified users on internet can access to the printer. As a result, you will face an increased risk of information leakage caused by an unauthorized access from outside. On the other hand, if a private IP address is specified for the printer, users who can access to the printer are confined to those on a local area network such as an inhouse LAN. Therefore, we recommend you specify a private IP address for the printer.

The range of addresses used as a private IP address is shown below. Make sure whether a private IP address is specified for your printer.

Range of private IP address:

- 10.0.0.0 - 10.255.255.255
- 172.16.0.0 - 172.31.255.255
- 192.168.0.0 - 192.168.255.255

Procedure to check the IP address:

- Select [Home Screen] →  (Menu) → [Network Settings] → [LAN Settings] on your printer to select a network connection method and check the IP address.

NOTE

- Establishing an environment to protect an access from outside using a firewall can reduce a risk of an unauthorized access even though a global IP address is specified for your printer.

■ Restrict Communication Using Firewall or Router

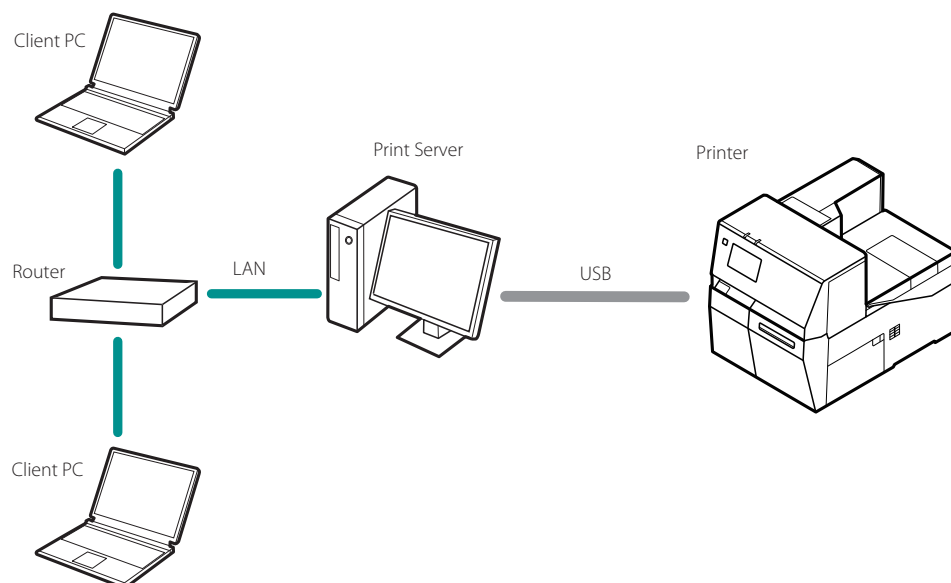
Firewall is a system which prevents an unauthorized access from an external network user to protect an inhouse network against attack or intrusion.

Firewall enables your network to be protected against an unauthorized access by restricting a communication from the specific external IP address which seems to have a risk.

Use of home router has a similar function. Be careful when you change the settings.

Sharing the Printer on a Network

When computers are used in a network environment, labels can be printed from multiple computers that share a single printer.



Settings on the Print Server Device

Set printer driver sharing on print server. Then, configure the connection from the client device to the print server device.

NOTE

- The Windows version of each computer connected to the network does not need to be the same.

- 1 Install the printer driver on the print server system.
- 2 Select [Settings] → [Bluetooth & Devices] → [Printers & scanners].
- 3 Click this printer and select [Printer Properties].

IMPORTANT

- When starting up the software and performing install or uninstall, a confirmation or warning dialog box may appear.
This dialog box appears when administrative rights are required to perform a task.
When you are logged on to an administrator account, click Yes (or Continue, Allow) to continue.
Some applications require an administrator account to continue. In such cases, switch to an administrator account, and restart the operation from the beginning.

- 4 Open the [Sharing] tab and click [Change sharing options].
- 5 Check [Share this printer], set the shared name as needed, and click [OK].

The setup on the print server system is complete. Next, set up the client systems.

Settings on the Client Device

After the settings on the print server device are complete, perform the settings on the client device.

- 1 On the client, open Windows Explorer, and double-click the icon of the printer to be shared.

- 2 Follow the window instructions, and install the printer driver.

The setup on the client system is complete.

Even when you perform the setup on a different client, follow the same steps 1 and 2.

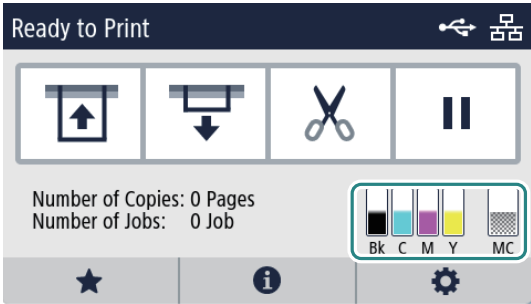
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Replacing Consumables

Checking Consumable Levels

The remaining ink levels and the remaining capacity of the maintenance cartridge are displayed in the remaining consumables section on Home screen.



■ Check Ink Tank Levels

The remaining ink amount in ink tank is displayed for each color of Bk/C/M/Y in 10% increments (0% - 100%). When the remaining ink amount drops to 10% or less, (Near Empty) appears above the remaining amount for that color. When the ink for that color runs out, (Empty) is displayed. Even if the ink level reaches 0%, the remaining display will not disappear.

	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0%
Ink Level Icon											

NOTE

- If the remaining amount of the ink tank is displayed as shown on the right, ink tank detection is disabled. If you continue to print, the printer may be damaged or malfunctioning. Replace with a new ink tank for this printer.
- If (Near Empty) or (Empty) appears above the ink level indicator, check the message displayed on the touchscreen and follow the instructions.



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product Overview
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Connection with Computer
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RFID Media Printing
Specifications

■ Check the Remaining Level of the Maintenance Cartridge

The remaining level of the maintenance cartridge is displayed in 10% increments (0% - 100%).
When the remaining level drops to 10% or less,  (Near full) appears. When the remaining level is zero,  (Full) is displayed.

	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Remaining Level Icon											

NOTE

- If the remaining level of the maintenance cartridge is displayed as shown on the right, the printer cannot properly recognize the maintenance cartridge. If reinserting the cartridge does not resolve the issue, please contact the dealer where you purchased this product.



Replacing the Ink Tank

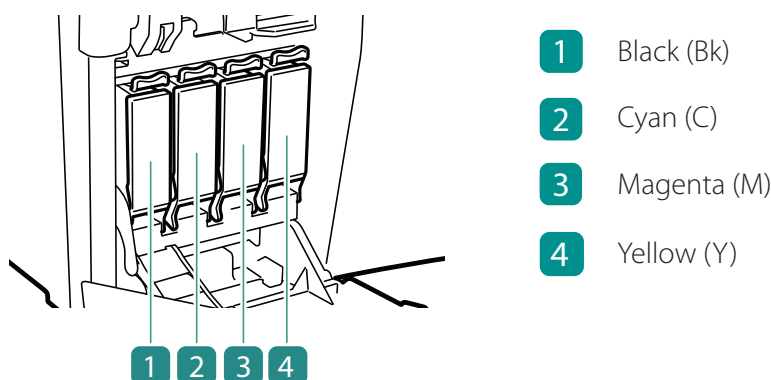
When the ink level becomes low, a warning message appears on the touchscreen and a "XXXX Ink Low" message is displayed on the status monitor. Print can continue, but when the ink runs out, an "No XXXX Ink" error message is displayed and printing stops. This section explains the method for replacing the ink tank.

✔ IMPORTANT

- To maintain printhead quality, printer stops operating before it is completely out of ink. Therefore, a small amount of ink remains in ink tank to be replaced.
- In order to maintain high printing quality, use ink within 6 months of it being opened.
- Do not remove an ink tank unless you have to replace it.
- Replace the ink tank in a quick manner. Also, do not leave the ink tank removed for a long period of time.
- Do not leave the ink tank in high temperature locations for extended periods, as it may deform.
- Store ink tanks in a place not exposed to direct sunlight.

📖 NOTE

- When the "XXXX Ink Low" message is displayed, obtain a new ink tank as soon as possible. For information on how to obtain a new ink tank, please contact the dealer where you purchased this product or the customer support center.
 - * "XXXX" refers to Black (Bk), Cyan (C), Magenta (M), and Yellow (Y).
- To maintain optimal print quality, use the ink tank designed for this printer. The positions of the four ink tanks are as follows:



The ink tank cannot be inserted to an incorrect position. Do not force insertion.

■ Precautions for Handling Ink Tanks

Please note the following points when handling the ink tank.

CAUTION

- For safety, keep ink tanks out of the reach of children.
- If you accidentally ingest, consult a doctor immediately.

IMPORTANT

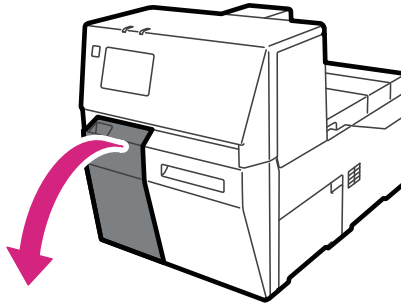
- Ink may be adhered to the ink supply section of the removed ink tank. Handle ink tanks with care. If ink gets on clothing, it may not come off.
- Do not use ink tanks that have been used in this product for other printers. If the ink level is not detected correctly, the printer may be damaged or malfunction.
- It is recommended to use ink tanks within six months after opening the package. Using ink tanks that have aged may result in degraded print quality.
- Do not leave the printer with the ink tank removed for a long period (1 month or more). Remaining ink in the printer may clog and cause poor printing quality.
- If you repeatedly remove and insert the same ink tank, defects may occur at the connection between the ink tank and printer, causing ink to leak and damage the printer.
- Dispose the used ink tank according to the local laws and regulations.

■ Ink Tank Replacement Procedure

✓ IMPORTANT

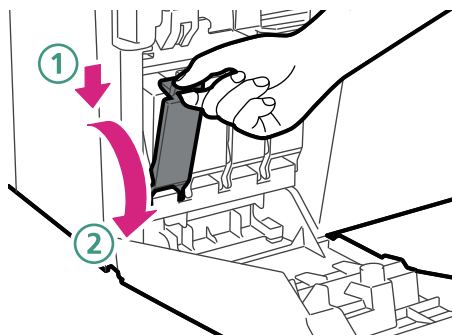
- Do not remove the ink tank immediately after the power is on, during printer initialization or head cleaning. Ink may leak.

1 Open the ink tank cover.

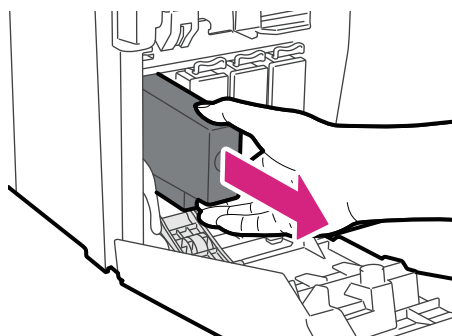


2 Open the ink tank lock lever.

Push the ink tank lock lever down and pull it forward.



3 Pull out the empty ink tank forward.

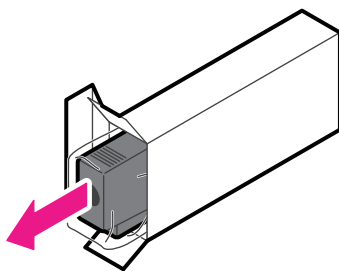


4 Prepare a new ink tank.

📖 NOTE

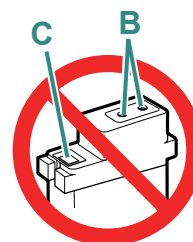
- If the ink tank is cold, leave it in the room temperature for a while before installing it to the printer.

5 Remove the new ink tank from the box.



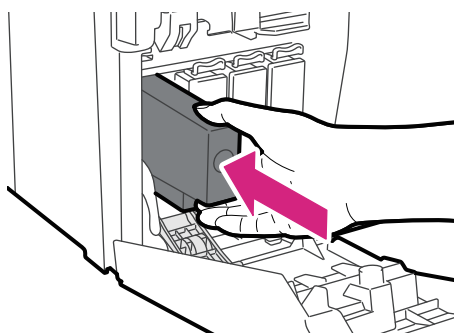
✓ IMPORTANT

- To prevent soiling of the surrounding area, damage to the ink tank and poor printing, do not touch the ink outlet (B) and terminal (C).
- Do not press the ink tank with excessive force or drop it, as this may cause ink leakage and stain your clothing or the surrounding area. Also, do not shake the ink tank. If the ink becomes foamy after shaking and the tank is installed in the printer, it may result in the white streaks, faint images, or errors.



6 Load a new ink tank.

Insert the ink tank into the ink tank slot with the correct side up.



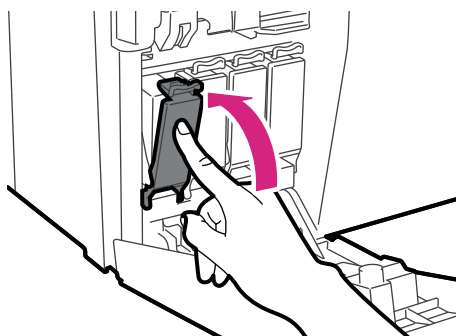
⚠ WARNING

- There are sharp pins in the ink tank slots. To avoid injury, never put your fingers into this area.

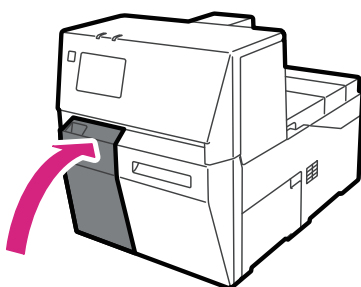
✓ IMPORTANT

- If the ink color or orientation is incorrect, the ink tank cannot be inserted to the holder. If you cannot insert the ink tank to the holder, do not force it; check the color label, ink tank color, and orientation, and try again.

7 Close the ink tank lock lever.



8 Close the ink tank cover.



Replacing the Maintenance Cartridge

■ Precautions for Handling Maintenance Cartridge

When handling the maintenance cartridge, pay attention to the following points:

CAUTION

- For safety, keep the used maintenance cartridge out of the reach of children.
- If you accidentally ingest, consult a doctor immediately.

IMPORTANT

- Do not remove the maintenance cartridge, except when replacing it. Ink may leak.
- Once used, ink adheres to the top surface of the maintenance cartridge. Handle the maintenance cartridge with care. If ink gets on clothing, it may not come off.
- Do not drop or leave the maintenance cartridge containing ink tilted. Ink may leak and soil the surroundings.

NOTE

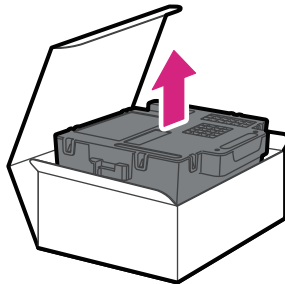
- Dispose the used maintenance cartridge according to the local laws and regulations.
- When purchasing a maintenance cartridge, please ensure that the model number of the maintenance cartridge below is indicated:

Maintenance cartridge: Model WT-X404

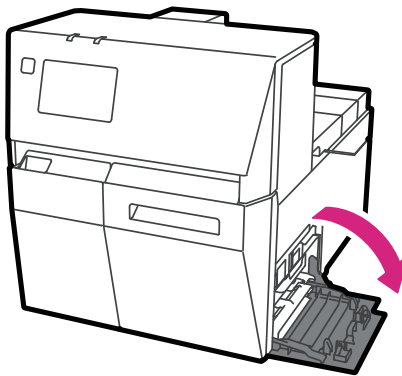
■ Replacing the Maintenance Cartridge

When the maintenance cartridge is full with collected ink, a "Maintenance Cartridge Full" message will be displayed on the touchscreen and the status monitor, respectively, and the printer stops operating.

- 1 Open the package of a maintenance cartridge, and take out the maintenance cartridge and plastic bag.

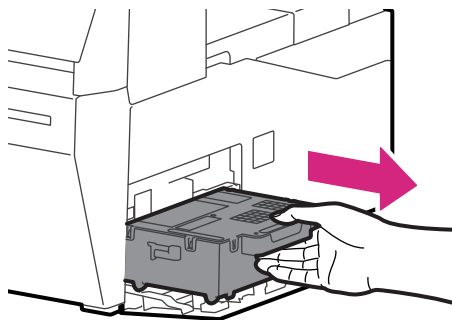


- 2 Open the maintenance cartridge cover.



- 3 Remove the used maintenance cartridge.

Please pull out the maintenance cartridge gently.



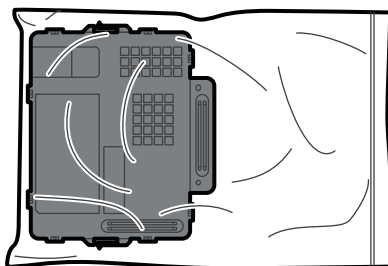
✓ IMPORTANT

- When removing a full maintenance cartridge, pay attention not to tilt or drop it. Ink may scatter and stain the floor and clothing.

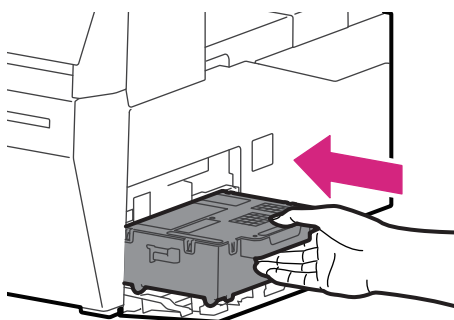
4 Put the used maintenance cartridge in the plastic bag.

While keeping the maintenance cartridge in a horizontal position, place it in the plastic bag, releasing the air from the bag.

Finally, securely close the plastic bag zipper.



5 Insert a new maintenance cartridge.



6 Close the maintenance cartridge cover.



Cleaning the Printer

Cleaning the Exterior of the Printer

If the exterior is dirty, media may become dirty and dust may find its way into the printer, resulting in poor quality prints.

Clean the exterior of the printer on a monthly basis.

1 Turn off the printer. (→ P.10)

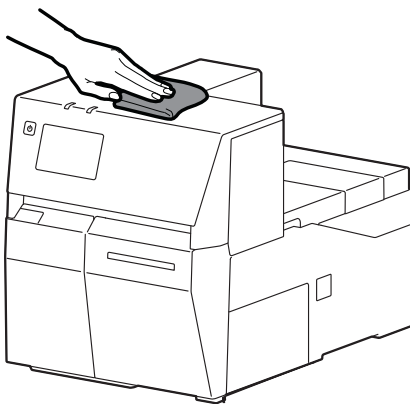
2 Disconnect the power plug from the outlet.

! CAUTION

- Be sure to turn off the printer and unplug the power cord from the outlet. If the power is accidentally turned on while cleaning the printer, internal moving parts may be in contact with the body, resulting in an injury.

3 Soak a soft cloth with water or neutral detergent diluted with water, wring it out tightly, and wipe off the printer.

Clean the exterior of the printer, the power cord plug, etc.



! WARNING

- Do not use flammable solvents such as thinner, benzene, or alcohol. Contacting with electrical parts inside the printer may cause fire or electric shock.

✓ IMPORTANT

- If the transport section is dirty, the edge of the media may become dirty when cutting the media. Even if it does not look dirty, dust may be present. It is recommended to clean the transport section. (→ P.256)
- Do not use media towels or tissue media. Cut media chips or media dust could enter the printer and cause a failure.
- If neutral detergent is used, be sure to wipe off the detergent afterward with a soft cloth moistened with water.

4 Once the dirt is removed, wipe off the moisture with a dry soft cloth.

5 Connect the power cord and interface cable.

Cleaning the Inside of the Upper Unit

To maintain print quality and prevent problems, clean the inside of the upper unit on a monthly basis.

Also, clean the inside of the upper unit when:

- the printed surface or the back of the media is soiled
- one roll media is used up
- printed on a small size media
- printed on media that produces a lot of cut scraps
- the roll media is replaced
- printed on media that produces a lot of dust

✓ IMPORTANT

- Media in the cleaning area may prevent cleaning. Please remove the media.

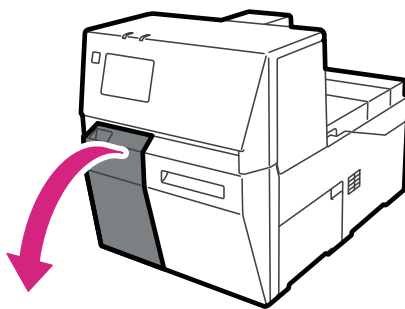
1 Turn off the printer. (→ P.10)

2 Disconnect the power plug from the outlet.

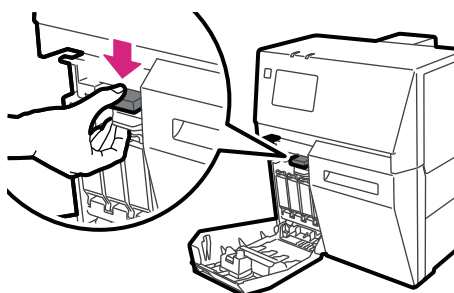
⚠ CAUTION

- Be sure to turn off the printer and unplug the power cord from the outlet. If the power is accidentally turned on while cleaning the printer, internal moving parts may be in contact with the body, resulting in an injury.

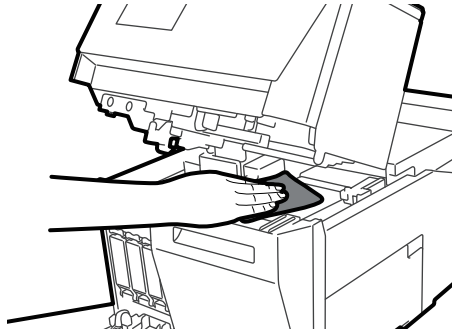
3 Open the ink tank cover.



4 Press the upper unit open lever to open the upper unit.



5 Wipe off dirt from the transport section with a dry lint-free cloth.



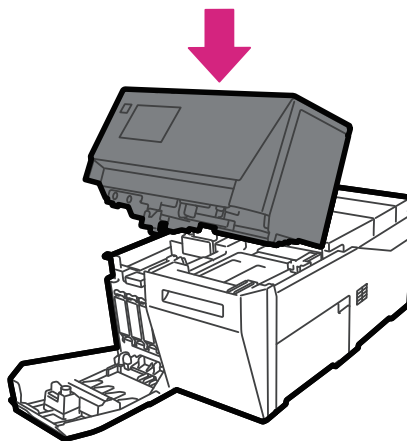
CAUTION

- When putting your hand into the transport section, be careful not to touch the wheels inside the upper unit. This may cause injury or stains.

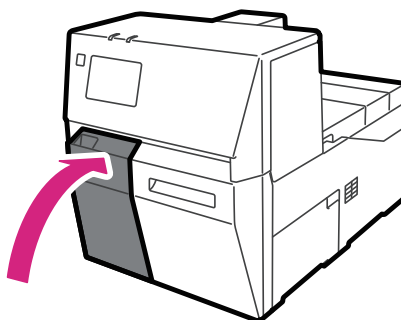
NOTE

- Do not use media towels or tissue media. Cut media chips or media dust could enter the printer and cause a failure.

6 Close the upper Unit.



7 Close the ink tank cover.



Moving the Printer

This section explains the procedure for moving the installed printer. The procedure varies depending on the destination location.

- Carrying and moving the printer within the same building
→ [Moving the Printer Indoors \(P. 258\)](#)
- Shipping the printer.
→ [Shipping the Printer \(P. 263\)](#)

IMPORTANT

- The printer cannot be moved while it is printing or when an error has occurred.

Moving the Printer Indoors

When moving the printer on the same floor or to another floor, follow the procedure below.
Perform this procedure from the touchscreen or printer driver.

→ [Perform a Move Printer Procedure from the Touchscreen \(P. 258\)](#)

→ [Perform a Move Printer Procedure from the Printer Driver \(P. 261\)](#)

■ Perform a Move Printer Procedure from the Touchscreen

- 1** Remove the media.
 - [Removing the Roll Media from the Printer \(P. 21\)](#)
 - [Removing the Fanfold Media \(P. 36\)](#)
- 2** If a message prompting to replace consumables is displayed on the touchscreen, replace the consumables.
 - [Replacing the Ink Tank \(P. 246\)](#)
 - [Replacing the Maintenance Cartridge \(P. 251\)](#)
- 3** Tap  (Menu) on Home screen.
- 4** Select [Maintenance] → [Ship Printer].

5 Examine the displayed message and select [Yes].

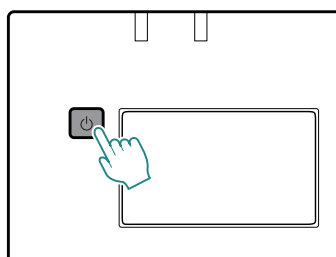
The printer will begin preparations for transport.

Do not operate the printer until the completion message is displayed.

NOTE

- [Move Printer] drains ink from the ink receiver to prevent ink leakage inside the printer during transport.

6 Press and hold the power key to turn off the power.

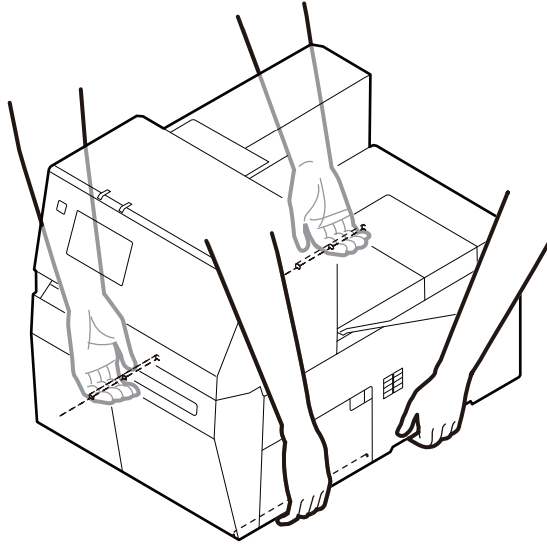


7 Disconnect the power cord and interface cable.

8 Move the printer.

CAUTION

- This product weighs approximately 24 kg (52 lbs). When lifting it, be sure to have 2 people hold the handles at the bottom (handles on each of the left and right sides) and lift it holding from the side. Attempting to lift it in an unstable posture may cause an injury due to dropping, etc.



- Always hold the printer level and carry it slowly. Ink spillage inside the printer can cause fire or serious electrical shock or damage the printer.

IMPORTANT

- Do not move or transport this product with the upper unit, ink tank cover, or maintenance cartridge cover open. This may cause malfunction or damage to the printer.
- When moving this product, it is not necessary to remove the ink tank. If it is removed before moving or transporting, ink may leak from the needle part at the back of the ink tank insertion section, staining clothing or surroundings.

9 After moving the printer to the specified location, connect the power cord.

10 Connect the printer to the computer using an interface cable.

11 Turn the printer on.

■ Perform a Move Printer Procedure from the Printer Driver

1 Remove the media.

- Removing the Roll Media from the Printer (P. 21)
- Removing the Fanfold Media (P. 36)

2 If a message prompting to replace consumables is displayed on the touchscreen, replace the consumables.

- Replacing the Ink Tank (P. 246)
- Replacing the Maintenance Cartridge (P. 251)

3 Open the printer properties window.

- Opening the Printer Properties Window (P. 59)

4 Open the Utility tab and click [Preparation for Moving the Printer].

The printer will begin preparations for transport.

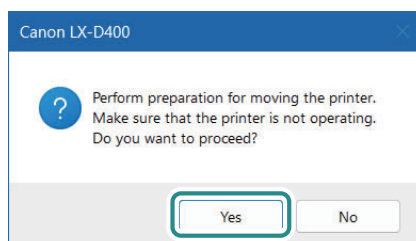
Do not operate the printer until the completion message is displayed.



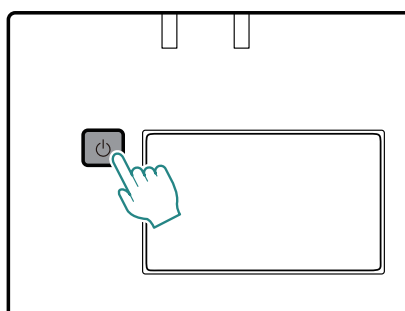
NOTE

- [Move Printer] drains ink from the ink receiver to prevent ink leakage inside the printer during transport.

5 Examine the message content and click [Yes].



6 Press and hold the power key to turn off the power.

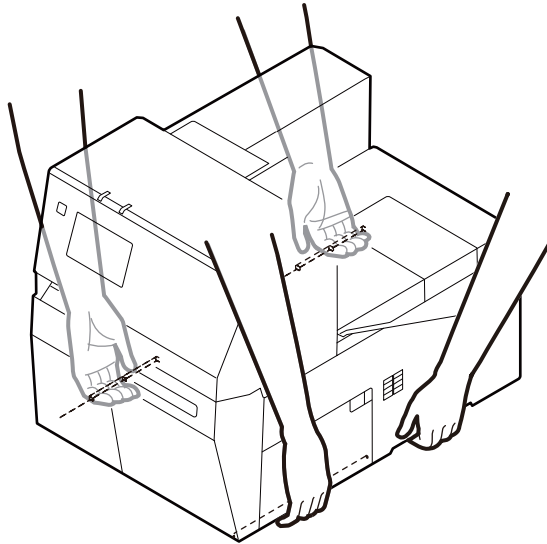


7 Disconnect the power cord and interface cable.

8 Move the printer.

CAUTION

- This product weighs approximately 24 kg (52 lbs). When lifting it, be sure to have 2 people hold the handles at the bottom (handles on each of the left and right sides) and lift it holding from the side. Attempting to lift it in an unstable posture may cause an injury due to dropping, etc.



- Always hold the printer level and carry it slowly. Ink spillage inside the printer can cause fire or serious electrical shock or damage the printer.

IMPORTANT

- Do not move or transport this product with the upper unit, ink tank cover, or maintenance cartridge cover open. This may cause malfunction or damage to the printer.
- When moving this product, it is not necessary to remove the ink tank. If it is removed before moving or transporting, ink may leak from the needle part at the back of the ink tank insertion section, staining clothing or surroundings.

9 After moving the printer to the specified location, connect the power cord.

10 Connect the printer to the computer using an interface cable.

11 Turn the printer on.

Shipping the Printer

When transporting the printer for relocation, moving, etc. over a long distance or by use of a transportation means (aviation, railway, road transport, etc.) accompanied by vibrations, be sure to make preparations following the procedure described below.

Perform this procedure from the touchscreen or printer driver.

CAUTION

- If the printer is transported over long distances or by means that involve vibration (such as airplanes, trains, or automobiles), please consult your dealer in advance. If vibration or shock occurs during transport without taking the necessary precautions, it may damage the machine and cause fire or malfunction.
- This product weighs approximately 24 kg (52 lbs). When lifting it, always have two people lift by holding the handles located at the bottom (handles on each of the left and right sides) and lift it holding from the side. Attempting to lift it in an unstable posture may cause an injury due to dropping, etc.
- Always hold the printer level and carry it slowly. Ink spillage inside the printer can cause fire or serious electrical shock or damage the printer.

■ Perform the Ship Printer Procedure from the Operation Panel

- 1** Remove the media.
 - [Removing the Roll Media from the Printer \(P. 21\)](#)
 - [Removing the Fanfold Media \(P. 36\)](#)
- 2** If a message prompting to replace consumables is displayed on the touchscreen, replace the consumables.
 - [Replacing the Ink Tank \(P. 246\)](#)
 - [Replacing the Maintenance Cartridge \(P. 251\)](#)
- 3** Tap  (Menu) → [Maintenance] → [Ship Printer] on Home screen.

A message prompting to remove the ink tanks will be displayed on the touchscreen.
- 4** Open the ink tank cover and remove all ink tanks. (→ [P.246](#))

5 Close all ink tank lock levers until they click into place.



6 Close the ink tank cover.

Ink will be drawn into the maintenance cartridge.

When the process is complete, a completion message is displayed.

✓ IMPORTANT

- Do not remove the maintenance cartridge except when a replacement message is displayed. If you remove the maintenance cartridge while ink is being drawn in, ink may leak.

7 Tap [Next].

The ship printer process starts.

Please wait until the completion message is displayed on the touchscreen.

8 Tap [Close] on the touchscreen, and turn off the printer. (→ P.10)

■ Perform the Ship Printer Procedure from the Printer Driver

1 Remove the media.

→ Removing the Roll Media from the Printer (P. 21)

→ Removing the Fanfold Media (P. 36)

2 If a message prompting to replace consumables is displayed on the status monitor, replace the consumables.

→ Replacing the Ink Tank (P. 246)

→ Replacing the Maintenance Cartridge (P. 251)

3 Open the printer properties window.

→ Opening the Printer Properties Window (P. 59)

4 Open the Utility tab and click [Preparation for Shipping the Printer].

The printer will begin preparations for the shipment.

Do not operate the printer until the completion message is displayed.

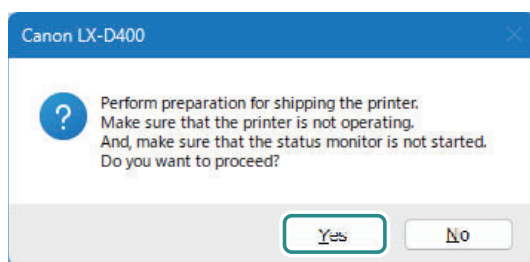
✔ IMPORTANT

- Administrator privileges for this printer are required for this step.

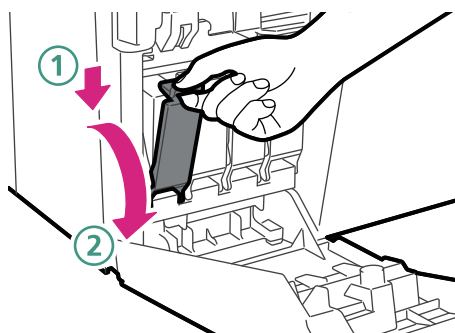
📖 NOTE

- [Ship Printer] removes ink from the ink flow path inside the printer.

5 Examine the message, and click [Yes].



6 Remove all ink tanks from the printer, and close the ink tank cover.



When the ink tank cover is closed, the printer resumes the ship printer process. Do not operate the printer until the completion message is displayed.

7 Click [OK].

8 Follow the instructions of your dealer or service representative to pack the product correctly with cushioning material in between to transport it.

✔ IMPORTANT

- Do not move or transport this product with the upper unit, ink tank cover, or maintenance cartridge cover open. This may cause malfunction or damage to the printer.
- When transporting this product, always complete [Ship Printer] procedure beforehand. If you remove the ink tanks before running [Ship Printer] procedure beforehand, ink may leak from the needle in the ink tank insertion area, staining clothing or surroundings.
- When reinstalling, replacement of the ink tanks and maintenance cartridge may be needed. Please prepare new ones in advance.

Obtaining the Latest Software

To obtain the latest software (printer driver, firmware), access the Canon website and download the software for your model.

Software download: www.usa.canon.com/support

For details about downloading and updating software, please refer to the Canon website.



NOTE

- Your computer must be connected to the Internet to install the software.
- Any provider fees or communication charges required for Internet connection are the user's responsibility. Please be advised.

Image Quality Adjustment and Improvement

Checking for Nozzle Clogging

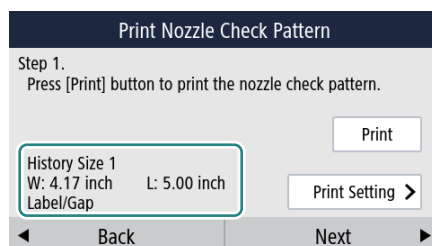
If print is faint or streaks of different colors appear, print a nozzle check pattern to check if any printhead nozzles are clogged.

✔ IMPORTANT

- To print a nozzle check pattern, use media with width 4" or more × length 2" or more. If media of a smaller size, an error will occur and printing fails.

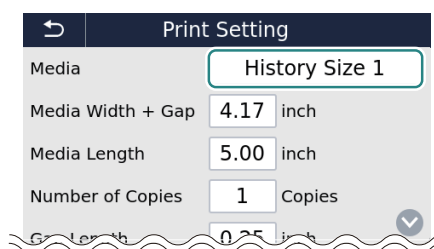
- 1 Load media.
- 2 Tap  (Menu) on Home screen.
- 3 Select [Maintenance] → [Print Nozzle Check Pattern] in order.

4 Check the displayed print setting information.



- If the set media and settings do not match

1. Select [Print Settings].
2. Tap [Media] and select the media size set in the printer from the displayed list.



- To select from the recently used media:
Select one of [History Size 1] through [History Size 3].

NOTE

- Within [Media], the items [History Size 1] through [History Size 3] store the print settings from the three most recent jobs. However, because the print settings for special-shaped labels are not suitable for the print settings report format, they are not stored as history sizes.
- To select from the standard label paper:
Select the size for printing. Refer to [“Selecting the Media Size \(P. 65\)”](#) for a list of registered media sizes.

- To set a custom media size:
Tap and enter media information in the text boxes. The displayed media name will automatically change to “Custom Size.”
The settable range of media sizes varies depending on the media form. For details, refer to [“Custom Media Size Setting Range \(P. 39\)”](#)

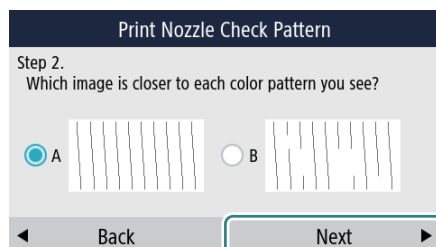
3. Tap  (Back).

5 Select [Print].

A nozzle check pattern is printed.

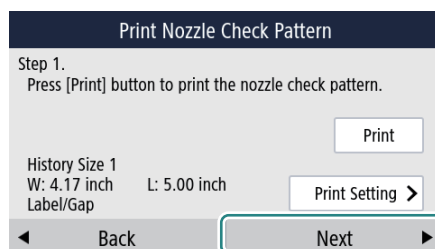
6 Select [Next].

7 Select the pattern closest to the print result, and tap [Next].



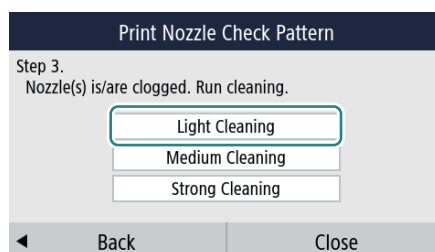
8 Check the result of the nozzle check.

- If a message "Nozzles are in good condition." is displayed:
No cleaning is required.
Select [Close] to finish the print nozzle check pattern procedure.

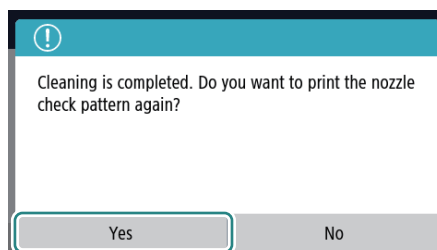


- If a message "Nozzle(s) is/are clogged." is displayed:
Run cleaning using the following steps:

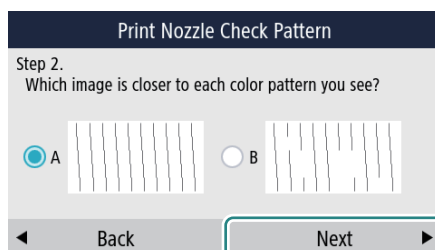
1. Select [Light Cleaning]. Cleaning starts.



2. When cleaning is complete, the following screen is displayed.
Select [Yes] and print the nozzle check pattern again.



3. Select the pattern closest to the print result to check the print result.
If nozzle clogging is not resolved, perform strong cleaning.



Cleaning the Printhead

If print is faint, cleaning the printhead may improve the result.
Perform this procedure from the touchscreen or printer driver.

Light Cleaning	Use this option when print is faint.
Medium Cleaning	Use this option when print is faint even after performing Light Cleaning.
Strong Cleaning	Use this option when printing is faint even after performing Medium Cleaning.

✓ IMPORTANT

- During cleaning, do not perform any other operations.
- Cleaning cannot be performed during printing, or when an error has occurred. Please resolve the error first.
- If the problem persists after performing [Cleaning], there may be another cause. Please contact your technical support.
- As cleaning consumes ink, perform it only when necessary.
- If the printer is not used for a long period of time, the nozzle may become clogged. To prevent clogging it is recommended to print on a regular basis.

■ Perform Cleaning from the Touchscreen

1 Tap  (Menu) on Home screen.

2 Tap [Maintenance].

3 Select [Light Cleaning], [Medium Cleaning], or [Strong Cleaning].

4 Select [Yes].

Cleaning starts. Do not perform other operations until cleaning is finished.

To complete, it takes about 1 minute, 4 minutes, and 10 minutes for Light Cleaning , Medium Cleaning, and Strong Cleaning, respectively.

5 Print the nozzle check pattern, and check if the nozzle clogging has resolved.

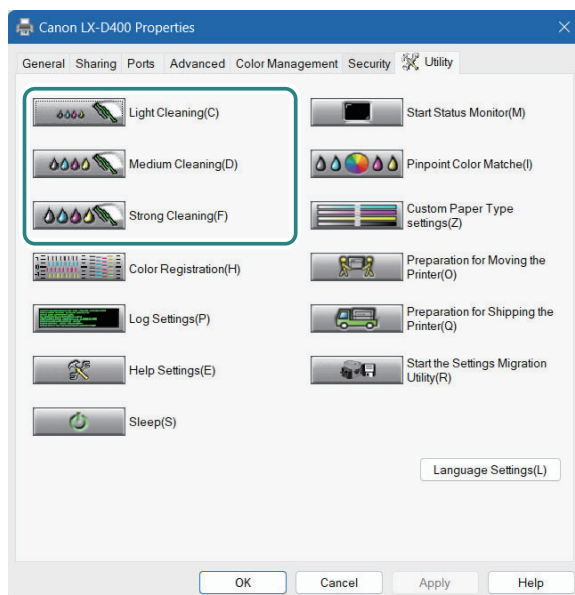
→ [Checking for Nozzle Clogging \(P. 267\)](#)

■ Perform Cleaning from the Printer Driver

1 Open the printer properties window.

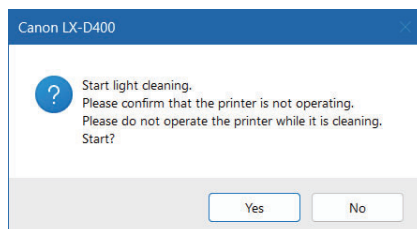
→ [Opening the Printer Properties Window \(P. 59\)](#)

2 Open the Utility tab and choose [Light Cleaning], [Medium Cleaning] or [Strong Cleaning].



A confirmation message will appear.

3 Confirm the displayed message and then click [Yes].



Printhead cleaning starts. Do not perform other operations until cleaning is finished.

To complete, it takes about 1 minute, 4 minutes, and 10 minutes for Light Cleaning , Medium Cleaning, and Strong Cleaning, respectively.

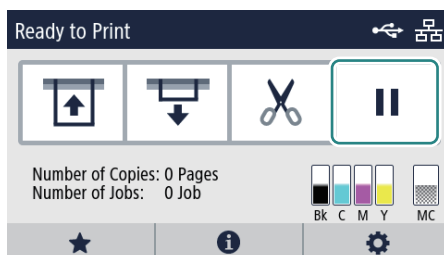
4 Print the nozzle check pattern, and check if the nozzle clogging has resolved.

→ [Checking for Nozzle Clogging \(P. 267\)](#)

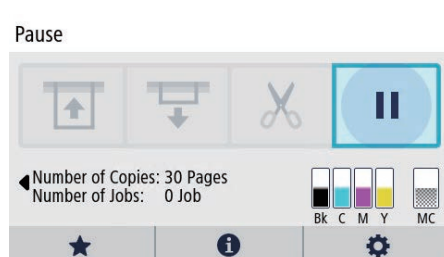
Cleaning During Printing

You can pause printing and perform cleaning.

- 1 Tap  (Pause) on Home screen.



The printer status display switches to [Pause], and the printer enters pause state.



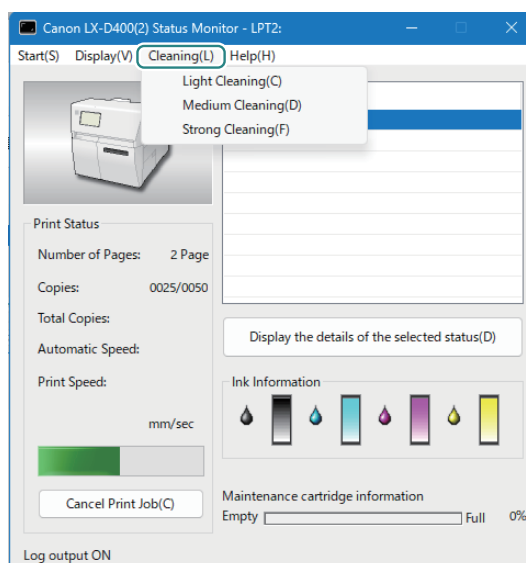
- 2 Perform cleaning.

- To perform cleaning from the touchscreen

1. On the home screen, select  (Menu) → [Maintenance] in order.
2. Select [Light Cleaning], [Medium Cleaning], or [Strong Cleaning].

- To perform cleaning from the printer driver

1. Open the status monitor.
→ [Displaying the Status Monitor \(P. 139\)](#)
2. Select [Light Cleaning], [Medium Cleaning] or [Strong Cleaning] from the [Cleaning] menu on the Status Monitor.



Cleaning starts.

3 Tap  (Pause) on Home screen.
Printing resumes.

4 Check Print Results.

Adjusting the Position of the Printhead

This printer is adjusted for optimal printing at installation. If vertical lines on printed content are distorted or colors are misaligned, running [Color Registration] may resolve the problem. Print the printhead position adjustment pattern, and perform adjustment while referring to the pattern. This operation can be performed from the printer driver or touchscreen.

→ To Perform Adjustment from the Printer Driver (P. 280)

→ To Perform Cleaning from the Touchscreen (P. 275)

✓ IMPORTANT

- Adjustment patterns change depending on the size of the media being set to printer, although the adjustment method is the same.
- The printhead position cannot be adjusted while printing is in progress or if an error has occurred.
- For printing the adjustment pattern, use media with width of at least 1" x length of at least 3". If using media wider than 2", the length of at least 1.5" is sufficient.
- Administrative privileges over this printer are required to configure the printer settings. (→ P.118)

■ To Perform Cleaning from the Touchscreen

1 Tap  (Menu) → [Administrator] on the home screen.

If an Administrator password is configured, enter the password.

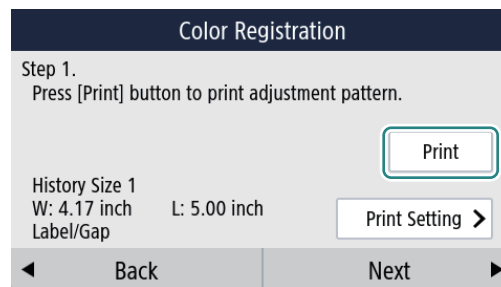
2 Tap [Printhead Position Adjustment].

NOTE

- If the head position has already been adjusted, the following screen will be displayed: Examine the message, and select [Yes] or [No].

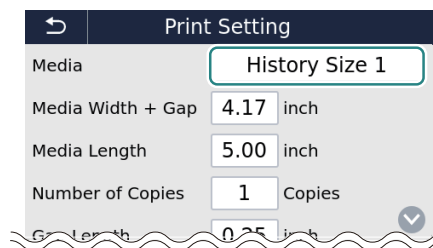


3 Select [Print].



- If the set media and settings do not match

1. Select [Print Settings].
2. Tap [Media] and select the media size set in the printer from the displayed list.



- To select from the recently used media:
Select one of [History Size 1] through [History Size 3].

NOTE

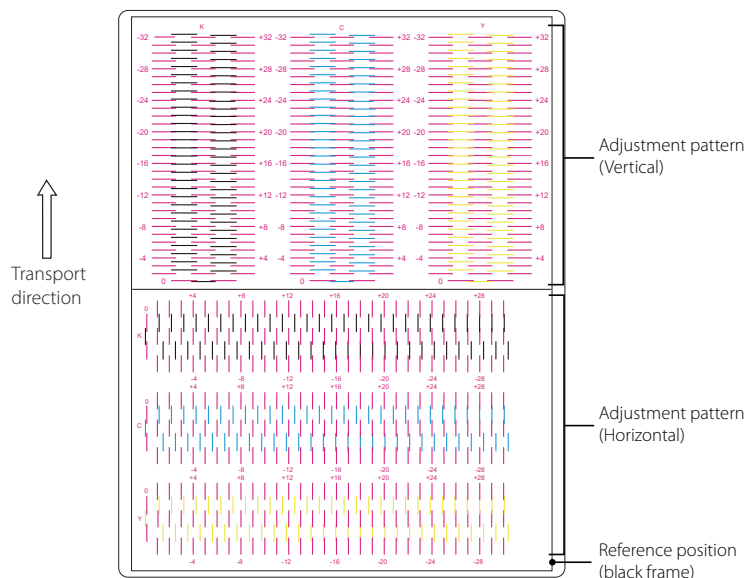
- Within [Media], the items [History Size 1] through [History Size 3] store the print settings from the three most recent jobs. However, because the print settings for special-shaped labels are not suitable for the print settings report format, they are not stored as history sizes.
- To select from the standard label media:
Select the size for printing. Refer to [“Selecting the Media Size \(P. 65\)”](#) for a list of registered media sizes.
- To set a custom media size:

Tap and enter media information in the text boxes. The displayed media name will automatically change to “Custom Size.”

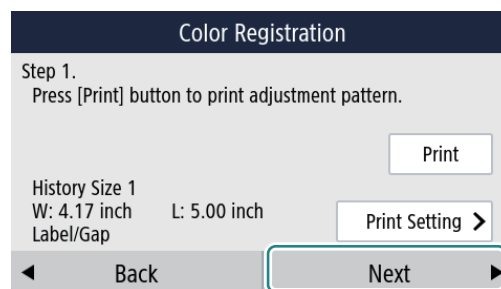
The settable range of media sizes varies depending on the media form. For details, refer to [“Custom Media Size Setting Range \(P. 39\)”](#)

3. Tap  (Back).

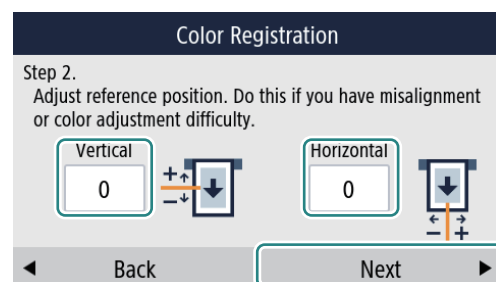
An adjustment pattern is printed.



4 Tap [Next].

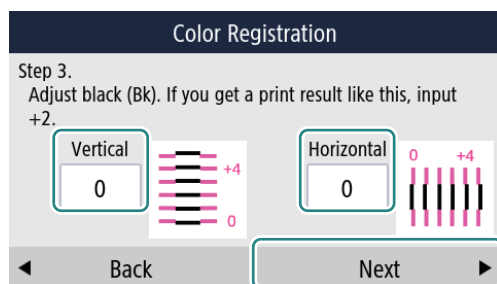


5 Configure the adjustment values for the reference position, and tap [Next].



6 Configure the adjustment value for Black (Bk), and tap [Next].

Check the vertical and horizontal directions of the adjustment pattern [K] (Black), read the values of the positions where they overlap with the magenta line, and enter them.

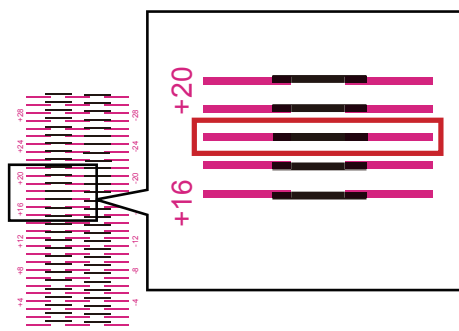


- Vertical Adjustment:

The adjustment value is found on the magenta and black lines which appear to be connected most smoothly (without steps).

For example, in the pattern shown on the right, the adjustment value is +18.

Click the radio button (B) and then specify the vertical adjustment value.

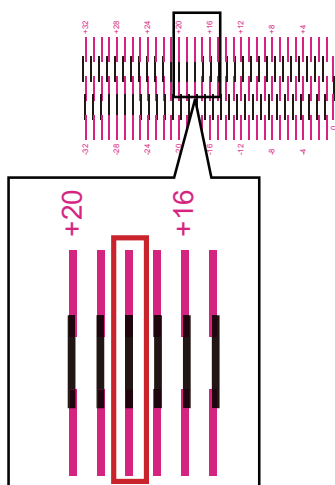


- Horizontal adjustment:

The adjustment value is found on the magenta and black lines which appear to be connected most smoothly (without steps).

For example, in the pattern shown on the right, the adjustment value is +18.

Click the radio button (X) and then specify the horizontal adjustment value.



7 Configure the adjustment value for Cyan (C), and tap [Next].

Check the vertical and horizontal directions of the adjustment pattern [C] (Cyan), read the values of the positions where they overlap with the magenta line, and enter them.

Color Registration

Step 4.
Adjust cyan (C). If you get a print result like this, input +2.

Vertical 0

Horizontal 0

Back Next

8 Configure the adjustment value for Yellow (Y), and tap [Close].

Check the vertical and horizontal directions of the adjustment pattern [Y] (Yellow), read the values of the positions where they overlap with the magenta line, and enter them.

Color Registration

Step 5.
Adjust yellow (Y). If you get a print result like this, input +2.

Vertical 0

Horizontal 0

Back Close

9 Select [Yes].

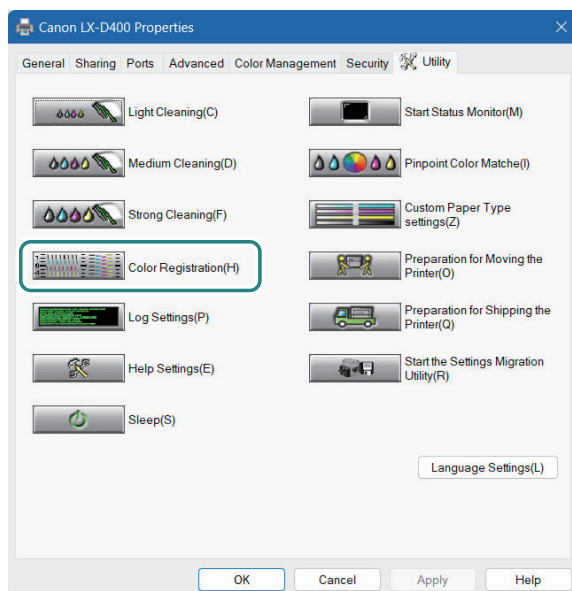
The adjustment value is saved.

■ To Perform Adjustment from the Printer Driver

1 Open the printer properties window.

→ Opening the Printer Properties Window (P. 59)

2 Open the Utility tab and click [Color Registration].

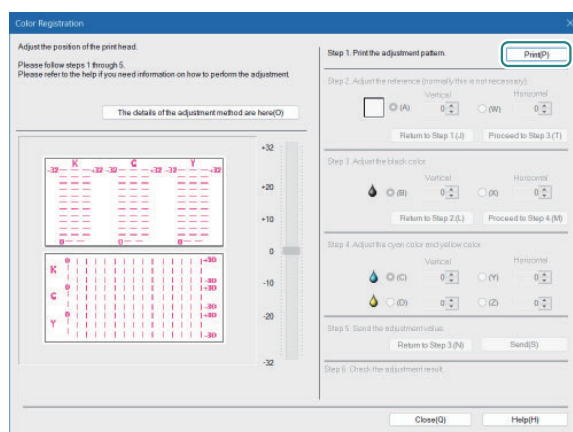


The Color Registration dialog box appears.

NOTE

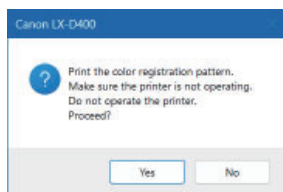
- Clicking [The details of the adjustment method are here] in the Color Registration dialog box will display the help screen showing the printhead adjustment method.

3 Ensure that the printer is not in operation, and click [Print].

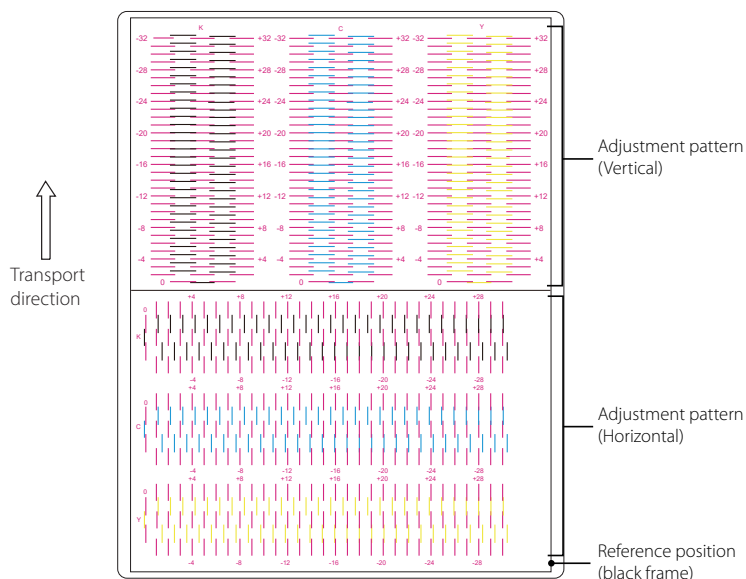


A confirmation message appears.

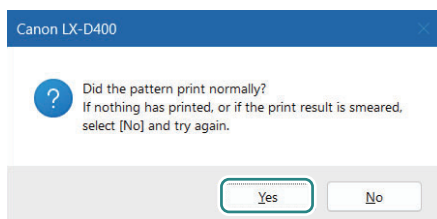
4 Confirm the displayed message, and then click [Yes].



The adjustment pattern is printed.

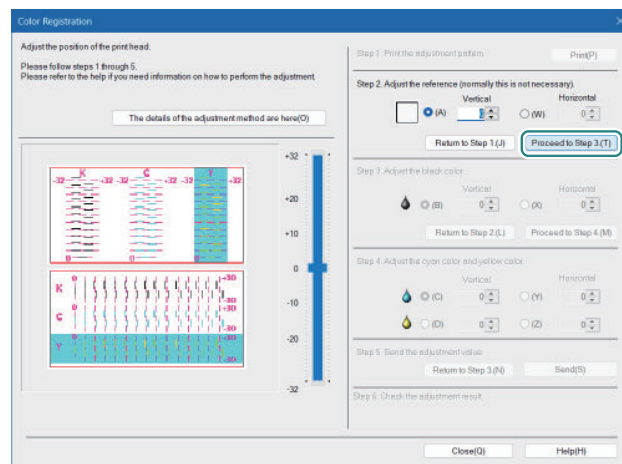


5 If the adjustment pattern has printed correctly, click [Yes].



If you select [No], adjustment pattern will be printed again.

6 Click [Proceed to Step 3].



NOTE

- [Step 2] is for the reference position adjustment (border line) for the black head, but usually no change is necessary. You can check the reference position with the border line drawn on the outer edge of the color registration pattern. Usually, this border line is drawn at 1.5 mm from the top edge and 1.5 mm from the left edge of the media. Make an adjustment if they are significantly misaligned.

To perform Step 2: reference position adjustment (border line) for the Black head:

- Vertical adjustment:

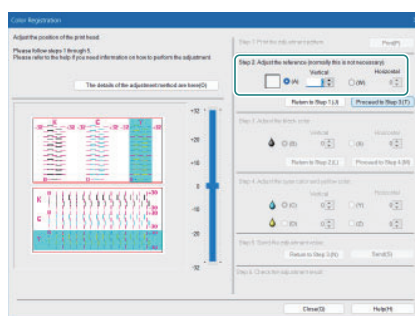
If the black frame is shifted upward, specify a negative (-) value. If the black frame is shifted downward, specify a positive (+) value.

Click the radio button (A) and then specify the adjustment value.

- Horizontal adjustment:

If the black frame is shifted leftward, specify a positive (+) value. If the black frame is shifted rightward, specify a negative (-) value.

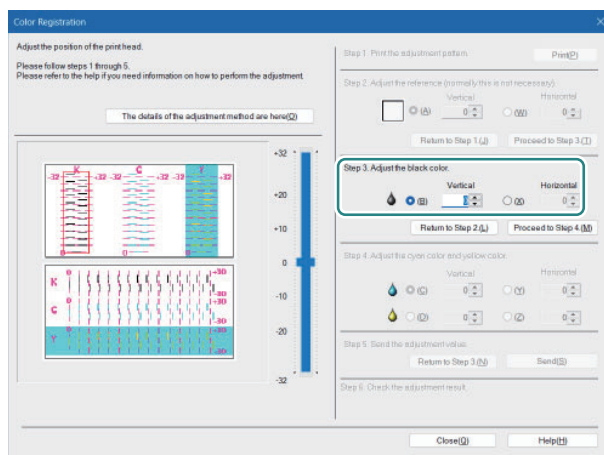
Click the radio button (W) and then specify the adjustment value.



- A value can be entered in the text box.
- Click the and buttons to increase or decrease the current value by one.
- Changing the value by 1 will move the black frame 0.0212 mm (0.0008") upward/downward/leftward/rightward.
- The vertical adjustment range is from -32 to +32, and the horizontal adjustment range is from -30 to +30. However, the adjustment range may be limited depending on the current setting. Specify the adjustment value between ▲ and ▼ shown on the slider scale.

7 [Step 3] Adjust the printhead position for black.

Click (B) Vertical Direction and (X) Horizontal Direction in adjustment pattern [K] (Black).



NOTE

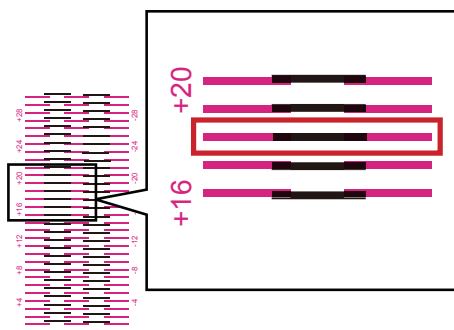
- If the radio button is selected, the area to check on the adjustment pattern in the [Color Registration] dialog box will be outlined in red.
- If you want to return to [Step 2], click [Return to Step 2].

- Vertical adjustment:

The adjustment value is found on the magenta and black lines which appear to be connected most smoothly (without steps).

For example, in the pattern shown below, the adjustment value is +18.

Click the radio button (B) and then specify the vertical adjustment value.

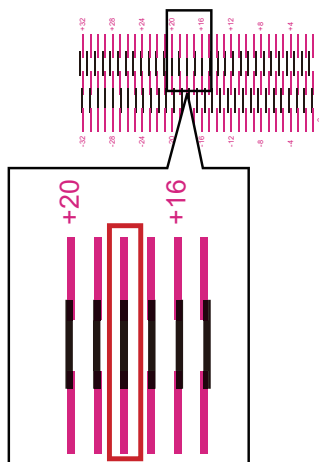


- Horizontal adjustment:

The adjustment value is found on the magenta and black lines which appear to be connected most smoothly (without steps).

For example, in the pattern shown below, the adjustment value is +18.

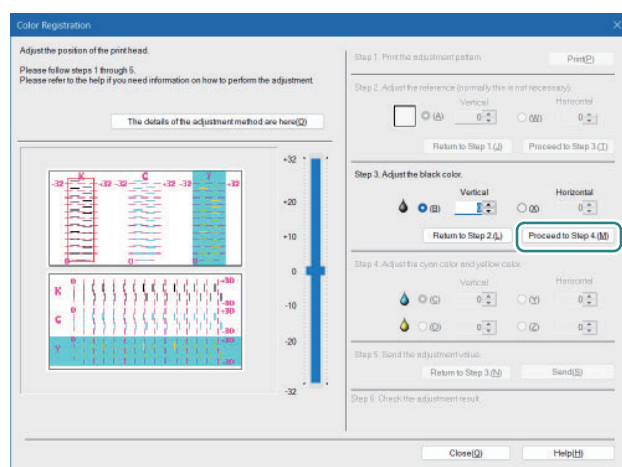
Click the radio button (X) and then specify the horizontal adjustment value.



- Click the and buttons to increase or decrease the current value by one.
- The vertical adjustment range is from -32 to +32, and the horizontal adjustment range is from -30 to +30. However, the adjustment range may be limited depending on the current setting. Specify the adjustment value between ▲ and ▼ shown on the slider scale.

8

Enter the adjustment value, click [Proceed to Step 4].



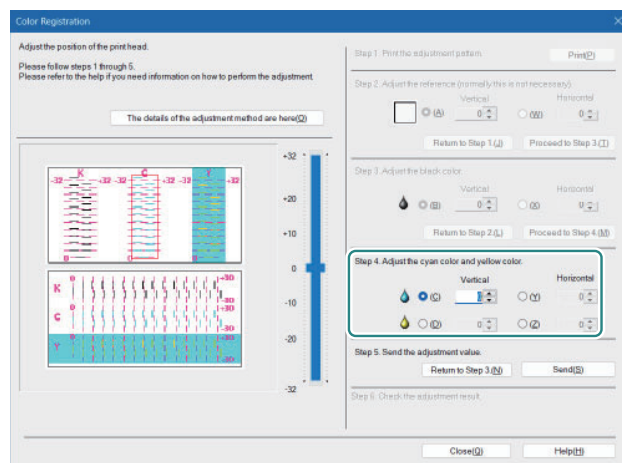
9 [Step 4] Adjust the printhead position for Cyan and Yellow.

[Cyan]

Click the vertical direction of [C] and the horizontal direction of [Y] in the adjustment pattern, read the values at the positions that overlap with the magenta lines, and enter them.

[Yellow]

Click the vertical direction of [D] and the horizontal direction of [Z] in the adjustment pattern, read the values at the positions that overlap with the magenta lines, and enter them.



NOTE

- If the radio button is selected, the visible point in the adjustment pattern in Color Registration dialog box will be outlined in red.
- If you want to return to [Step 3], click [Return to Step 3].

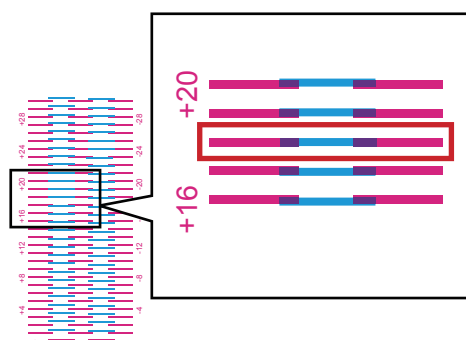
- Vertical adjustment:

With regard to cyan and yellow, the adjustment value is found on the magenta and cyan (or yellow) lines which appear to be connected most smoothly (without steps).

For example, in the pattern shown on the right, the cyan adjustment value is +18.

Click the radio button (C) and then specify the vertical adjustment value.

Click the radio button (D) to adjust the yellow in the same manner.



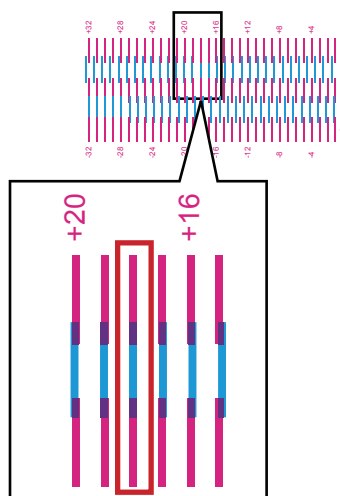
- Horizontal adjustment:

With regard to cyan and yellow, the adjustment value is found on the magenta and cyan (or yellow) lines which appear to be connected most smoothly (without steps).

For example, in the pattern shown below, the adjustment value is +18.

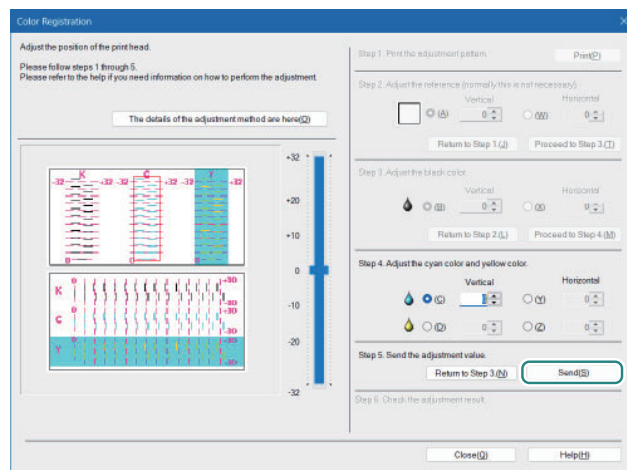
Click the radio button (Y) and then specify the horizontal adjustment value.

Click the radio button (Z) to adjust the yellow in the same manner.



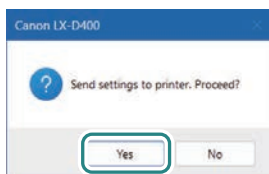
- Click the and buttons to increase or decrease the current value by one.
- The vertical adjustment range is from -32 to +32, and the horizontal adjustment range is from -30 to +30. However, the adjustment range may be limited depending on the current setting. Specify the adjustment value between ▲ and ▼ shown on the slider scale.

10 When the entry is complete, click [Send].



A confirmation message appears.

11 Click [Yes].



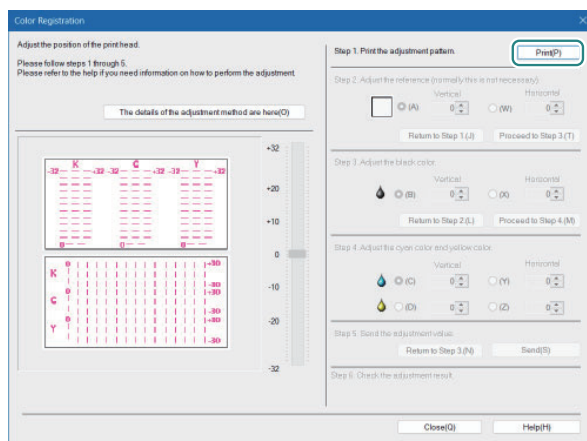
The adjustment value are transmitted to the printer to adjust the head positions.

12 Click [OK].



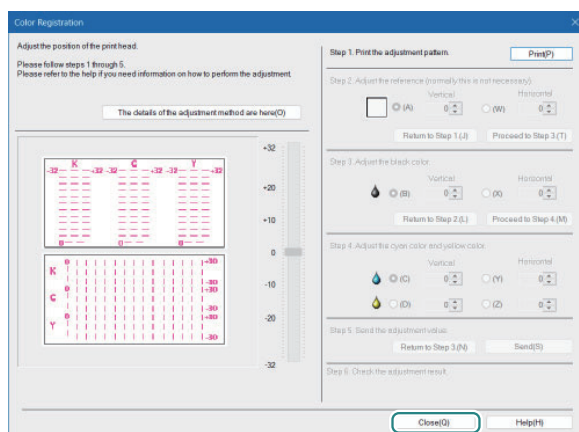
13 Click [Print].

Print the printhead position adjustment pattern again, and verify that the head position has been correctly adjusted.



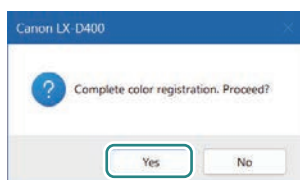
Make sure the lines of each color are smoothly connected at "0" on the adjustment pattern. If the lines appear to be out of alignment (stepped), readjustment is required.

14 When the head Color Registration process is complete, click [Close].



A confirmation message appears.

15 Click [Yes].



Adjusting the Finishing

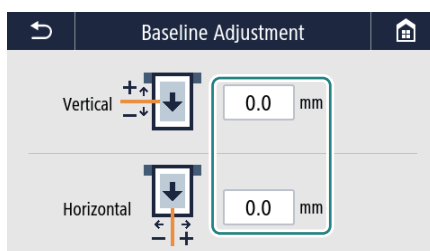
If the print position or cut position of the image does not match the expected result, the print position and cut position can be adjusted in the [Maintenance] menu on the touchscreen.

■ Adjusting the Printing Position

- 1 Tap  (Menu) on Home screen.
- 2 Select [Maintenance] → [Baseline Adjustment] in order.

3 Enter the adjustment value.

1. Press the vertical or horizontal value input area.

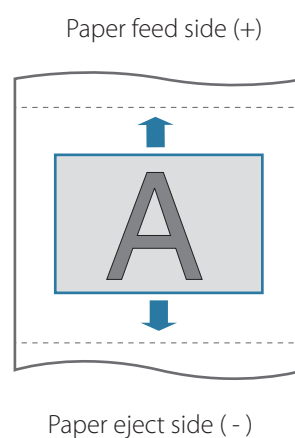


2. Set the adjustment value.

The adjustment value can be set in increments of 0.1, from 1.0 to -1.0, for both vertical and horizontal directions.

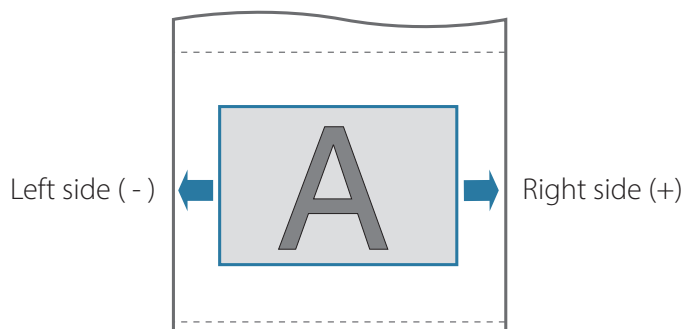
Vertical

The print position of the image moves toward the media eject side by setting it with a negative (-) value, and moves toward the media feed side with a positive (+) value.



Horizontal

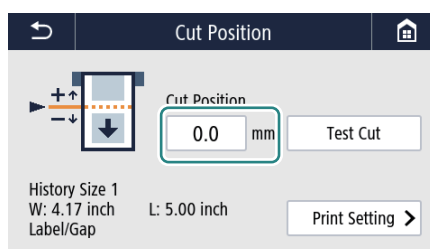
The print position of the image moves to the left as viewed from the media eject side by setting it with a negative (-) value, and moves to the right with a positive (+) value.



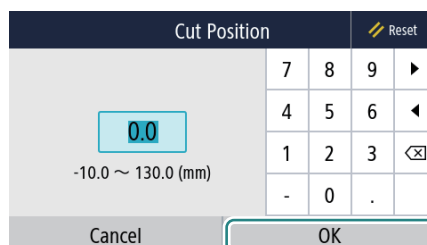
■ Adjusting the Cutting Position

- 1 Tap  (Menu) on Home screen.
- 2 Select [Maintenance] → [Cut Position] in order.
- 3 Enter the adjustment value.

1. Touch the value input area.

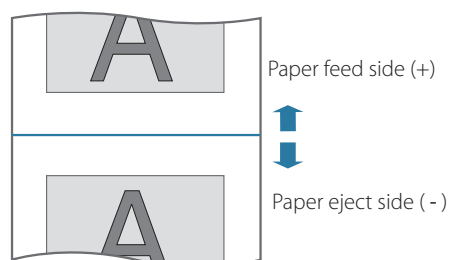


2. Enter the adjustment value, and tap [OK].



NOTE

- The range of adjustable values varies depending on the type of cutter installed.
- The cut position moves toward the media eject side by setting it with a negative (-) value, and moves toward the media feed side with a positive (+) value.



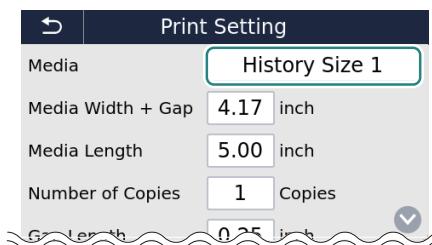
4 When check the result of the position adjustment, select [Test Cut].

1. Confirm the displayed print settings.

- If the set media and settings do not match

1. Select [Print Settings].

2. [Media] in order, and select the media size set in the printer from the displayed list.



- To select from the recently used media:

Select one of [History Size 1] through [History Size 3].

NOTE

- Within [Media], the items [History Size 1] through [History Size 3] store the print settings from the three most recent jobs. However, because the print settings for special-shaped labels are not suitable for the print settings report format, they are not stored as history sizes.
- To select from the standard label paper:
Select the size for printing. Refer to ["Selecting the Media Size \(P. 65\)"](#) for a list of registered media sizes.
- To set a custom media size:
Tap and enter media information in the text boxes. The displayed media name will automatically change to "Custom Size."
The settable range of media sizes varies depending on the media form. For details, refer to ["Custom Media Size Setting Range \(P. 39\)"](#)

3. Tap  (Back).

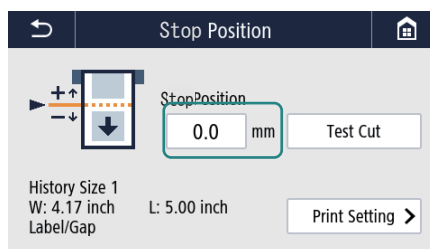
2. Tap [Test Cut].

The adjustment pattern is printed and cut. Confirm that the cut position is correct.

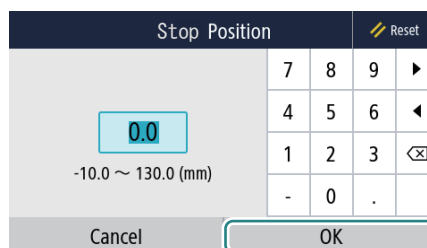
■ Adjusting the Stop Position

- 1 Tap  (Menu) on Home screen.
- 2 Select [Maintenance] → [Stop Position] in order.
- 3 Enter the adjustment value.

1. Touch the value input area.



2. Enter the adjustment value, and tap [OK].



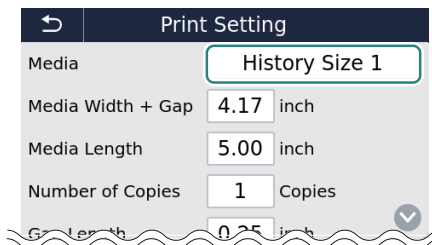
4 When check the result of the position adjustment, select [Test Cut].

1. Confirm the displayed print settings.

- If the set media and settings do not match

1. Select [Print Settings].

2. [Media] in order, and select the media size set in the printer from the displayed list.



- To select from the recently used media:

Select one of [History Size 1] through [History Size 3].

NOTE

- Within [Media], the items [History Size 1] through [History Size 3] store the print settings from the three most recent jobs. However, because the print settings for special-shaped labels are not suitable for the print settings report format, they are not stored as history sizes.
- To select from the standard label paper:
Select the size for printing. Refer to ["Selecting the Media Size \(P. 65\)"](#) for a list of registered media sizes.
- To set a custom media size:
Tap and enter media information in the text boxes. The displayed media name will automatically change to "Custom Size."
The settable range of media sizes varies depending on the media form. For details, refer to ["Custom Media Size Setting Range \(P. 39\)"](#)

3. Tap  (Back).

2. Tap [Test Cut].

The adjustment pattern is printed and cut. Confirm that the cut position is correct.

Troubleshooting

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Troubleshooting

This section describes actions to take when the printer does not operate as expected or cannot print correctly. If the same message is displayed after trying the following troubleshooting steps, please contact your technical support.

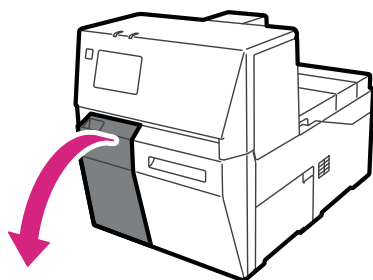
Media Is Jammed

When media is jammed in the printer, a message "Media Jam (Job-Actuated Cutter)" appears on the touchscreen and the Status Monitor, and the printer stops printing. Follow the steps below to remove the jammed media.

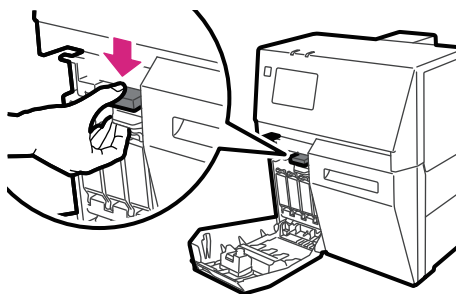
✔ IMPORTANT

- If a print job remains in the printer, do not turn off the printer when removing the media. If you turn off the printer, the job in the printer will be printed again from the beginning when you turn it back on.

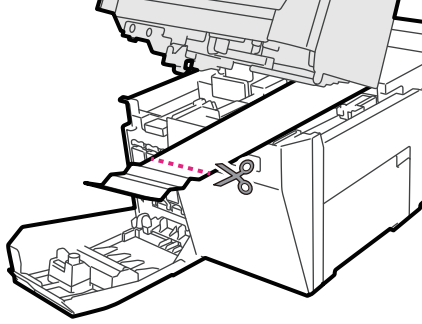
1 Open the ink tank cover.



2 Press the upper unit open lever to open the upper unit.



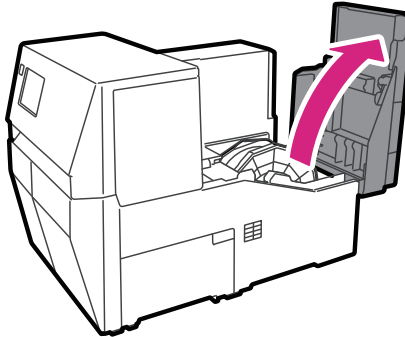
- 3** Pull out the media in the feed path to the feed direction, and cut off the wrinkled or damaged portions.



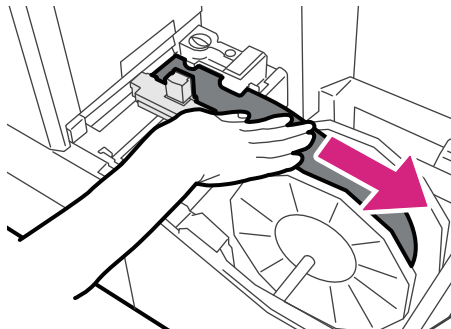
! CAUTION

- When cutting, be careful not to injure yourself or damage the printer.

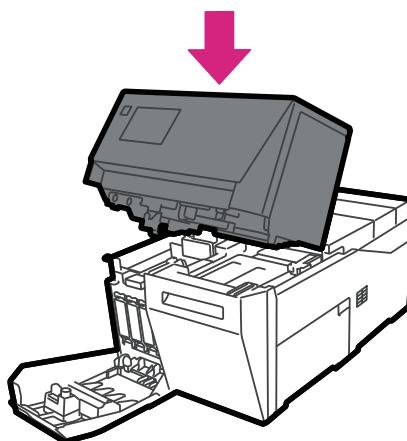
- 4** Open the roll cover.



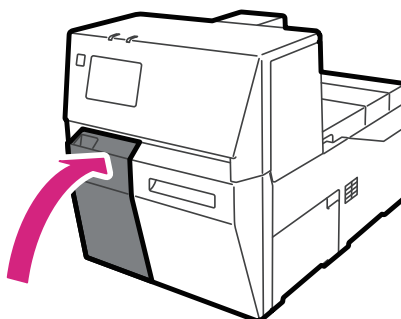
- 5** Pull the media out from the feed path.



6 Close the upper Unit.



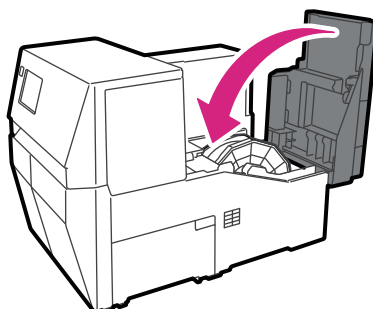
7 Close the ink tank cover.



8 Reload the media and close the roll cover.

→ Loading Roll Media in the Printer (P. 14)

→ Loading Fanfold Media in the Printer (P. 32)



The Printer Does Not Operate as Expected

If problems persist after trying these procedures, contact your technical support.

■ Power Does Not Turn On

Check Point	Solution
Power key is not switched on?	Press the Power key.
Printer power cord unplugged?	Make sure that the power cord is plugged in completely.
Is the power outlet supplying electricity?	Try plugging in other electric appliances. If it works properly, a printer failure is possible. Contact your technical support.

■ Printing Does Not Start/Complete

Check Point	Solution
Did an error occur?	Tap the error message on the touchscreen, or double-click the message in [Status Information] on the Status Monitor, and follow the displayed instructions.
Is it connected to the computer?	Connect the computer and the printer correctly with the interface cable.
Is the correct printer selected?	Select the printer to be used with the [Printing] dialog box.
Are you printing something such as a large file ?	If the status lamp is flashing, the data is still being processed, stand by.
Are you printing for long periods of time?	When printing for a long period of time, the printhead temperature will rise. To protect the head, printing operations will be interrupted. After a while printing will resume.
Did the test pattern print?	From [Utility] tab of the printer driver, try performing the print out of a printhead position adjustment pattern or setting value. (→ P.280) If printed, confirm the configuration and operation procedures of the application software and confirm the contents of the data to be printed.
Are there problems occurring with the computer?	Print after restarting the computer. Also, delete any print jobs left over when starting.
Are your computer's hibernation or sleep settings set to an option other than "Never"?	Set the time for your computer to enter hibernation and sleep to "Never". When the computer resumes from hibernation or sleep, data sent from the computer will be discarded. The hibernate and sleep times for the computer are set under [Power & battery] (or [Edit Plan Settings]).
Is "no ink" displayed even though an ink tank with remaining ink is set?	Reinstall the ink tank.

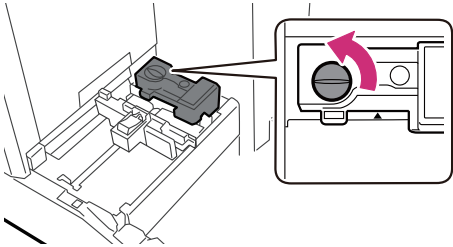
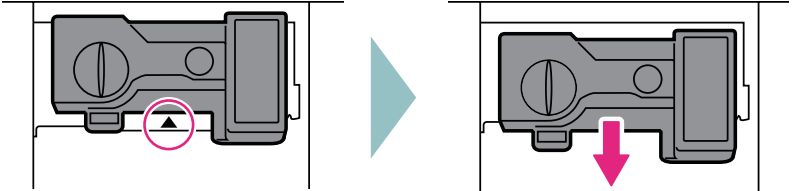
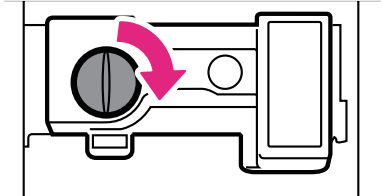
Check Point	Solution
Are the port settings correct?	Follow the steps below to confirm the port settings: 1. Open the properties window of the printer driver. (→ P.59) 2. Click on the [Ports] tab and confirm that the port is correctly selected. e.g.) For USB connection: USBnnn ("nnn" represents numbers) For network connection: CFTnnnnnn@MDL ("n" represents the last six digits of the printer's Mac address, and MDL is the printer's model name.) If the setting is incorrect, set it correctly. If the port to be used is not available, uninstall the printer driver and install the printer driver again. 3. Click [OK].
(When you are connected within a network environment) Are the printer and computer configured on the same network?	Make sure that the computer and this printer are installed on the same network according to the following steps: (Confirming the IP address) 1. Verify this printer's IP address. On the touchscreen, select  (Menu) → [Network Settings] → [Network Information]. (→ P.234) On the displayed screen, verify the configured IP address. 2. Confirm this computer's IP address. 1) Click the Search icon, type "cmd" in the search bar and press Enter to launch Command Prompt. 2) In the window started, enter "ipconfig/all". 3) After confirming the IP address, close the screen. Once you have confirmed the IP addresses, if the printer and computer are not on the same network, change the printer's IP address according to the following steps and add a new port. (Changing the printer's IP address) On the touchscreen, select  (Menu) → [Network Settings] → [LAN Settings]. (→ P.228) Change the IP Address for this printer. (Adding a new port) 1. Open the properties window of the printer driver. (→ P.59) 2. Click on the [Ports] tab and click [Add port]. 3. Select [CNUS Network Port] and click [New Port...]. The [CNUS Network Port] dialog box will be displayed. 4. Click [Detect Printers]. This printer will appear in [List of Printers]. If this printer is not displayed, click [Limit detect area] and search for the IP address. 5. Enter the new port name in the [Output]. 6. Click [OK].
(When you are connected within a network environment) Is communication with the printer enabled?	The port number that proprietary protocol(CFTP) the printer uses for communication are 50000,50001,50002. Use these settings as references.

■ Status Monitor Does Not Start

Check Point	Solution
The Status Monitor setting is incorrect.	With some Status Monitor settings, printer errors will not be displayed and the Status Monitor will not start. Open the [Utility] tab of the printer driver, and click [Start Status Monitor]. Set the details after the Status Monitor starts. (→ P.139)
Check whether the printer and computer can communicate interactively.	If the printer and computer cannot communicate interactively, the Status Monitor will not start even if printing starts. Open [Properties] of the printer driver, click [Port] tab, and then verify that [Enable bidirectional support] check box is checked. If the problem persists after taking the above action, uninstall the printer driver, and then reinstall the printer driver.

■ Media is Not Feeding Correctly

Check Point	Solution
Do the settings for the media you are using and that of the media supply match?	On Home screen, select  (Menu) → [Media Type Settings], and check the media supply. If the media you are using and the media supply do not match, select [Media Supply] and change the option to the media you are using.
Is the supported media being used?	Use supported media. Using media other than supported media can cause media jams and malfunctions. (→ P.38)
Is the media leading edge folded or is the media curled?	If the media leading edge is folded or curled, the media will not feed properly. Also, it can cause media jams and malfunctions.
Check whether the label is likely to come off due to deteriorated adhesive.	Never use media having labels which are likely to come off. Machine troubles can result.
Check whether the transport guide (R) is set in accordance with the media width.	Set the transport guide (R) in accordance with the media width, and then set the media guide such that it clicks. (→ P.14)
Is the transport area stained?	If the transport area is stained with paper dust or ink, media jams are more likely to occur. Clean the transport area regularly. (→ P.256)
Is the flange (L) secured in the appropriate position?	The position of the flange (L) does not need to be changed. When the position is unintentionally changed, return it to the appropriate position. Otherwise the print media may not be transported properly. (→ P.16)

Check Point	Solution
Is the transport guide (L) secured in the appropriate position?	- The position of the transport guide (L) does not need to be changed. When the position is unintentionally changed, return it to the appropriate position following the steps below. Otherwise the print media may not be transported properly. - Release the lock of the transport guide (L). Turn the knob as shown in the illustration to release the lock, allowing the transport guide (L) to move.  - Move the transport guide (L) until the ▲ is no longer visible. Fit the fixing tab at the bottom of the transport guide (L) into the hole in the printer body to align the position.  - Lock the transport guide (L). Turn the knob as shown in the illustration to lock the transport guide (L) and fix it at the extended position. 

■ Printing Does Not Stop/Data Is Not Sent/Settings Are Not Sent from Utility

Check Point	Solution
Check whether Print Queue window (in which print data order is registered) remains.	Stop the printer temporarily to cancel printing from the Status Monitor, or delete the Print Queue window data. Next, reboot the computer.
Check whether a configured timeout setting is shorter for the print data volume.	When the printer is connected to the computer with a LAN cable, communication timeout may occur during transmission when a large volume of print data is sent from the computer. Modify the Timeout Settings using the following procedure: 1. Open the printer's property dialog. (→ P.59) 2. Click the [Port] tab. 3. Click the network port to use, and select [Configure Port]. 4. Select the [Extend Time-out value] in [Timeout Settings]. 5. Configure the desired timeout setting. the initial timeout setting is 30 seconds.

■ Special Media Cannot Be Registered

Check Point	Solution
During the second media scanning, does the printer scan the liner section (or the black mark section of media with black marks) ?	If the sensor scans the label section, the printer cannot correctly configure media information. Peel off the label to fully expose the liner section, and place it over the sensor window. For media with a black mark, ensure the black mark is positioned over the window. Then perform the scanning. The printer may fail to scan some commercially available labels. Before use, it is recommended to verify that the desired special media can be registered without errors.

The Expected Print Results Cannot Be Achieved

If the expected print results cannot be achieved with the printer, check the following:

■ The Back Side of the Media Is Stained

Check Point	Solution
Is the media feed section stained with ink?	Clean the transport area. (→ P.256)
Check whether the fanfold media with a large solid area near the edge of the paper is used.	If there is a large solid area near the edge of the media, the back of the media may get stained. Consider changing the design. Clean the feeder section if stained. (→ P.256)

■ Unknown Characters or Images Are Printed

Check Point	Solution
Is the interface cable disconnected?	Please connect the computer and the printer with the interface cable correctly.
Is the correct printer used for printing selected on the computer?	In the [Print] dialog box, select the printer to use.
Is the test pattern printed?	From the printer driver's [Utility] tab, try printing a printhead position adjustment pattern or printing the setting values. (→ P.275) If printing is successful, check the application software settings and operation method, and the content of the print data. If printing fails, contact your technical support.

■ Improving the Print Quality

Check Point	Solution
Some areas are not being printed completely. Printing is faint.	Clean the printhead. The printhead may become dried or clogged if the printer has not been used for a long time. (→ P.271)
The color deviation appears on the print.	Adjust the position of the printhead. (→ P.275)

Check Point	Solution
The print position is misaligned.	You may be using media that the printer cannot automatically identify. By configuring special media settings, the printer will be able to identify the media. (→ P.203)
	The loaded media and the printer's special media settings may not match. Using the steps below, verify valid special media settings, and change the settings as needed. 1. On Home screen, select  (Menu) → [Media Type Settings] → [Media Supply]. 2. Check the settings selected in [Special Media Settings]
	The vertical sensor position may not be aligned with the media shape. Check the vertical sensor position, and move the sensor as needed. (→ P.26)
	Reset the media using the steps below: 1. On Home screen, select  (Menu) → [Media Type Settings] → [Media Supply], and select the feed type matching the loaded media. 2. Load media into the printer. For detailed media loading procedures, refer to below: → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32)
Images are printed in a slanted position.	The transport guide position may not be aligned with the media size. Open the upper unit, and check the feeder guide (R) position. (→ P.18) If the problem persists, remove the roll holder from the printer and align the edges of the loaded media. (→ P.17)
The halftone representation is coarse.	Open the [Color] tab of the printer driver, and set the [Half-tone] to [Error Diffusion]. Compared to [Dither] Settings, the internal processing of data takes more time, and print speed may be slower. (→ P.101)
The area around characters or the layer areas appear uneven. The print result does not have expected colors.	Clean the printhead. (→ P.271)
	Open the [Color] tab of the printer driver, and set the [Half-tone] to [Error Diffusion]. (→ P.101) On Home screen, select  (Menu) → [Administrator] → [Settings] → [Special Settings], and set [Prevent Unevenness] to [Enable]. (→ P.195)
Printed media is wavy and rubbing marks are left on the media.	On Home screen, select  (Menu) → [Administrator] → [Settings] → [Special Settings], then set [Prevent Media Rubbing Mode] to an option in [Level 1] - [Level 3]. (→ P.196) If the problem persists, contact your technical support.

■ The Printed Colors Do Not Look Good

Check Point	Solution
The color printed differs from the color on screen.	Open [Color] tab of the printer driver, and adjust the settings for image quality and color. → Using Print Setup Features (P. 83) Confirm that the [Display] and [Screen Properties] are correctly configured in the control panel of the computer used. Especially if the type of display or gamma factor is wrongly configured, the proper color will not be displayed.
Overall appearance of the print is poor.	Use supported media. Do not use media other than supported media. It can cause media jams and malfunctions. Also, changing the application software settings may resolve the problem. Check the application's print settings on the computer.
The image is bright/dark.	Open the printer driver's [Print Setup] tab, select an option for [Color Correction], then adjust brightness or level correction from the [Detailed Settings] dialog box. → Using Print Setup Features (P. 83) → Adjusting Image Quality (P. 98)
The image tone is light/dark.	Adjust density from the [Detailed Settings] dialog box. → Adjusting the Density (P. 100)
The image is blurry.	Adjust [Sharpness] in the [Detailed Settings] dialog box. → Setting the Sharpness (P. 102)

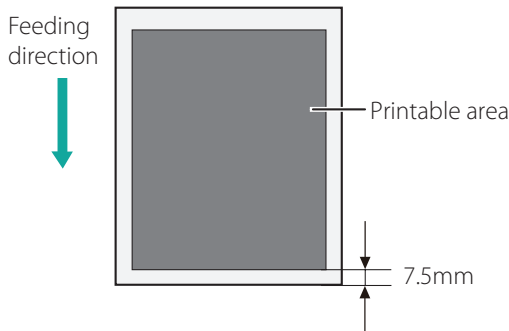
■ The Print Result Is Printed in Single Color

Check Point	Solution
Is monochrome print setting is configured in the print settings?	Open the printer driver's [Print Setup] tab, and clear the [Monochrome Print] checkbox.
Are the application software settings configured for single-color printing?	Some application software is capable of single-color printing. Check the application's print settings on the computer.

■ Parts of Images Are Missing in the Print Result

Check Point	Solution
Media whose width is longer than its height is being printed with any of the following application software. - Microsoft Office PowerPoint - Microsoft Office Word	When you print to a media whose width is longer than its height, some application software may automatically change the media orientation, hindering proper printing. Open the [Page Setup] tab in the printer driver and set [Orientation] and [Print with the selected orientation] according to the document orientation. → Setting the Print with the Selected Orientation (P. 75)

■ Text or Barcodes Is Not Printed Cleanly

Check Point	Solution
Are the barcode settings in the application software appropriate?	If the application software is used to generate barcodes, adjusting the bars in the application software may resolve the problem. For detailed setting procedures, refer to the application software's manual.
Is there sufficient margin at the leading edge of the media?	If texts or lines are printed too thick, placing the image at least 7.5 mm away from the leading edge of the media, as shown in the illustration below, may resolve the problem. Check the image position. 

■ Miscellaneous

About the Detect the Remaining Ink Level

The ink tank of this printer is equipped with detect the remaining ink level to prevent running out of ink during printing and printer failure.

→ [Home Screen Layout \(P. 174\)](#)

→ [Checking the Ink Information \(P. 147\)](#)

If you use a refilled ink tank, the detect the remaining ink level may not operate correctly and printing will stop. Therefore, when using a refilled ink tank, you need to disable the detect the remaining ink level.

Printing with the remaining ink level detection disabled may cause printer damage or malfunction. Canon shall not be liable for any failures caused by refilling ink tanks.

✔ IMPORTANT

- Printing with the remaining ink level detection disabled may cause printer damage or malfunction.
- Once the remaining ink level detection function is disabled, you cannot enable it for that ink tank. To restore the remaining ink level detection function, replace with a new ink tank.
- If you repeatedly remove and insert the same ink tank, defects may occur at the connection between the ink tank and printer, causing ink to leak and damage the printer.
- When the remaining ink level detection function is disabled, the printer logs that history.

The procedure to disable the remaining ink level detection function is as follows:

1 Tap  (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

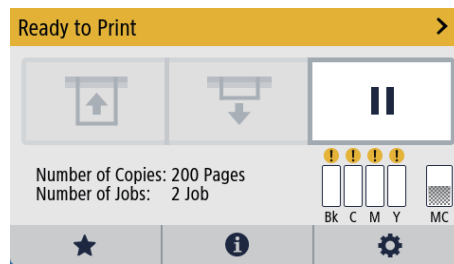
2 Tap [Settings] → [Special Settings] → [Detect the Remaining Ink Level] → [Yes].

A message is displayed.

3 Examine the message content and select [Yes].

The Status Monitor displays [XXXX Ink LVL Detection Disabled]. (XXXX represents Black, Cyan, Magenta, or Yellow)

The touchscreen display will appear as follows:



✓ IMPORTANT

- Printing with the remaining ink level detection disabled may cause printer damage or malfunction.
- Once the remaining ink level detection function is disabled, you cannot enable it for that ink tank. Replace with a new ink tank.

List of Error Messages/ Warning Messages

If a problem occurs while operating the printer or during printing, the Status Monitor will display a message along with a 4-digit support number. The support number is used to identify the error.

When an error occurs, check the support number and follow the corresponding measures.

NOTE

- When an error message is displayed, the printer automatically turn to offline status. Depending on the error, even after taking corrective action, the printer may return to online automatically. In that case, press the power key to set it Online.
- If a 5-digit support number beginning with E is displayed, a Fatal error has occurred. For details, refer to "**Fatal Error (P. 322)**".
- If multiple errors occur simultaneously, all messages are displayed in the Status Monitor. Take a corresponding measure for each error.

■ Operator Call Error

An error that requires the operator's operation has occurred, and printing cannot be performed. Take an action to clear the error.

Support Number	Error Message	Error Content / Handling
3001	No Media Left	The media has run out. - To continue printing Load media. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32) - To stop printing Stop printing by pressing the reset key. → Canceling Printing (P. 56)
3002	No Media Left	The media is not fed. - To continue printing Set the media again. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32) - To stop printing Stop printing by clicking [Cancel Print Job] in the Status Monitor. → Canceling Printing (P. 56)

Support Number	Error Message	Error Content / Handling
3102 3103 3104	Media Length Incorrect	The length of the media that is set differs from the media size configured by the application software or printer driver. - If incorrect media is used Replace with the correct media. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32) - If the application software and Printer driver settings do not match Click on the Status Monitor's [Cancel Print Job] and print again after correctly configuring the media size. → Canceling Printing (P. 56) - To continue printing On the touchscreen, select [3. Clear Error Now]. Printing will resume, but the error may occur again.
3202 3203	Mark Length Incorrect	The gap/mark length of the set media differs from the gap/mark length of the media size set by the application software or printer driver. - If incorrect media is used Replace with the correct media. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32) - If the application software and Printer driver settings do not match Click on the Status Monitor's [Cancel Print Job] and print again after correctly configuring the media size. → Canceling Printing (P. 56) - To continue printing On the touchscreen, select [3. Clear Error Now]. Printing will resume, but the error may occur again.
3301	Media Width Incorrect	The width of the media that is set differs from the media size configured by the application software or printer driver. - If incorrect media is used Replace with the correct media. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32) - If the application software and Printer driver settings do not match Click on the Status Monitor's [Cancel Print Job] and print again after correctly configuring the media size. → Canceling Printing (P. 56)

Support Number	Error Message	Error Content / Handling
3401 3402 3403 3404 3405 3406 3407 3408 3409 34E1 34E2	Media Jam (In Printing)	The transport area, rear feed slot, or feed slot is clogged with media. Remove and load the media again. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32) Update the printer driver and firmware to the latest version. → Obtaining the Latest Software (P. 266) - To continue printing On the touchscreen, select [3. Clear Error Now]. Printing will resume, but the error may occur again.
3509 350B 3511 35E1 35E2	Media Jam (Not In Printing)	The transport area, rear feed slot, or feed slot is clogged with media. Remove and load the media again. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32) Update the printer driver and firmware to the latest version. → Obtaining the Latest Software (P. 266) - To continue operation On the touchscreen, select [3. Clear Error Now]. You can continue operation, but the error may occur again.
3601 3602	Media Jam (Job-Actuated Cutter)	When using the job-actuated cutter (optional), feeding stopped because the cutter blade did not move. Remove the media from the feeder path, and set the media again. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32)
3701	Media Load Error	The media is not fed. Remove and load the media again. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32)
3801	Media Change Error	Backfeed was performed for media replacement, but media remains in the feeder path. Follow the steps below: 1.Remove the media from the feeder path. → Removing the Roll Media from the Printer (P. 21) → Removing the Fanfold Media (P. 36) 2.Remove and load the media again → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32)

Support Number	Error Message	Error Content / Handling
3901	Upper/Lower Gap Sensor Misalignment	The vertical positions of the gap sensor are misaligned. Align the gap sensor positions using the steps below: 1.Remove the media from the feeder path. → Removing the Roll Media from the Printer (P. 21) → Removing the Fanfold Media (P. 36) 2.Align the vertical positions of the gap sensor. → Using Special-shaped Labels (P. 26)
3A01	Roll Holder Position Incorrect	The position of the roll holder flange (L) does not match the paper Width of the print data. Return the flange (L) to its default position. For detailed instructions, refer to Step 4 in "Loading Roll Media in the Printer (P. 14)" - To stop printing Stop printing by pressing the reset key. → Canceling Printing (P. 56)
4001	Upper Unit Open	The upper unit is open. Close the upper unit.
4101	Ink Tank Cover Open	The ink tank cover is open. Close the ink tank cover.
4201	Maintenance Cartridge Cover Open	The maintenance cartridge cover is open. Close the maintenance cartridge cover.
4301	Roll Cover Open	The roll cover is open. Close the roll cover.
4401	Cutter Cover Open	The auto cutter cover is open. Close the auto cover door.
4A01	Printhead Temp High 2	Printing is suspended because the temperature inside the printhead is rising. On the touchscreen, select [Clear Error and Run Cleaning].
5001 5002 5004 5008	No XXXX Ink ("XXXX" represents Black, Cyan, Magenta, or Yellow.)	There is no ink available for printing. Replace with a new ink tank. If this error occurs immediately after replacing the ink tank, remove and install ink tank again.

Support Number	Error Message	Error Content / Handling
5101 5102 5104 5108	XXXX Ink Too Low for Cleaning (XXXX represents Black, Cyan, Magenta, or Yellow)	There is not enough ink to perform cleaning. - To replace the ink tank Replace the ink tank. - To continue cleaning On the touchscreen, select [2. Run Cleaning Without Replacing Tank]. You can temporarily clear the error and run cleaning. However, when the printer is restarted, the same error will be displayed again. It is recommended to replace with a new ink tank as soon as possible.
5201 5202 5204 5208	XXXX Ink Tank Load Error (XXXX represents Black, Cyan, Magenta, or Yellow)	The ink tank is not inserted properly. Install the ink tank again.
5301 5302 5304 5308	XXXX Ink Tank Corrupt Data (XXXX represents Black, Cyan, Magenta, or Yellow)	The ink tank is not recognized. Either the ink tank is abnormal or an unsupported ink tank is installed. Replace with a new ink tank.
5401 5402 5404 5408	XXXX Ink Tank Incorrect ID (XXXX represents Black, Cyan, Magenta, or Yellow)	An ink tank not supported by this printer is installed. Replace it with an ink tank supported by this printer.
5501 5502 5504 5508	XXXX Ink Level Unknown	The remaining ink levels cannot be detected. An ink tank that has once become empty may be installed. - To replace the ink tank Replace the ink tank. - To continue using the ink tank without replacing it To continue printing, follow the steps below to disable the remaining ink level detection function: 1. On the touchscreen, select [2. Continue Use Without Replacing] 2. Read the displayed message and select [Yes]. The remaining level detection function for the ink tank is disabled, and the disablement is logged in the history. → About the Detect the Remaining Ink Level (P. 308)

Support Number	Error Message	Error Content / Handling
6001	Maintenance Cartridge Full	The maintenance cartridge ink is full. Replace with a new maintenance cartridge. → Replacing the Ink Tank (P. 246)
6101	Maintenance Cartridge Load Error	The maintenance cartridge is not installed correctly. Install a maintenance cartridge again. → Replacing the Maintenance Cartridge (P. 251)
6201	Maintenance Cartridge Corrupt Data	The maintenance cartridge is not recognized. Replace with a new maintenance cartridge. → Replacing the Maintenance Cartridge (P. 251)
70nn * "nn" is numeric.	Inconsistent Data	Abnormal data was received from the computer. Confirm the cable connection and print again → Canceling Printing (P. 56)
7101 7102	Memory Full	Insufficient memory due to the overlay printing's form data being large. Cancel printing and recreate the form data. → Printing a Form to a File (P. 109)
7201	No Form Data	Overlay printing form data was not found. Stop printing, and verify the form data. → Carrying Out Overlay Printing (P. 111)
7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7312	Update Failed	The firmware update has failed. Verify the file, and perform the update again. If the same error occurs, contact your technical support.
7501 7502	Firmware Data Illegitimate	The firmware update has failed. Verify the file, and perform the update again. If the same error occurs, contact your technical support.
7601	Image Data Processing Error	The printer failed to process the image data. Update the printer driver to the latest version. → Obtaining the Latest Software (P. 266)

Support Number	Error Message	Error Content / Handling
7701	Print Position Adjustment Error	The print data exceeds the print area. Stop printing, and check the left/right baseline adjustment values in [Baseline Adjustment], or check the width.
7801	Media Length Setting Error	For the test printing print area length, a value smaller than the configurable range is set. - If the settings of the application software and the printer driver do not match In the Status Monitor, click [Cancel Print Job]. Set the correct media size before printing again. → Canceling Printing (P. 56) - To continue printing On the touchscreen, select [3. Clear Error Now]. Printing will resume, but the error may occur again.
7901	Media Width Setting Error 1	For the test printing print area width, a value smaller than the configurable range is set. - If the settings of the application software and the printer driver do not match In the Status Monitor, click [Cancel Print Job]. Set the correct media size before printing again. → Canceling Printing (P. 56) - To continue printing On the touchscreen, select [3. Clear Error Now]. Printing will resume, but the error may occur again.
7A01	Media Width Setting Too Wide	The print data's media width is set to a value larger than the media width configurable when using the job-actuated cutter (optional). When using the job-actuated cutter (optional), the configurable maximum media width is 115 mm. In the Status Monitor, click [Cancel Print Job]. Set the correct media size before printing again. → Canceling Printing (P. 56)
7B01	Firmware version is not current	A consumable or option not supported by the printer firmware is attached. Update the firmware to the latest version. → Obtaining the Latest Software (P. 266)

Support Number	Error Message	Error Content / Handling
7C01	Media Width Setting Error 2	The print data's media width is set to a value smaller than the media width configurable when using the RFID unit (optional). When using the RFID unit (optional), the configurable minimum media width is 26.4 mm. In the Status Monitor, click [Cancel Print Job]. Set the correct media size before printing again. → Canceling Printing (P. 56)
8001 8002 8003 8004 8005	RFID Calibration Error	Calibration failed. Remove the RFID media from the feeder, and perform calibration again with new RFID media. → Removing the Roll Media from the Printer (P. 21) → Registering RFID Media Information (P. 327)
8101 8102	RFID Scan Error	An RFID scan error has occurred. Used and written RFID media might be reused. To prevent erroneous writing, this printer saves RFID information for which a certain number of prints and writes have been performed, and detects an error if that RFID information is detected again. Remove the RFID media and reload new one. → Loading RFID Media into the Printer (P. 332)
8201	Cannot detect RFID inlay	The loaded media may not be RFID media, or the first inlay may be defective. Stop printing and load new RFID media. → Canceling Printing (P. 56) → Loading RFID Media into the Printer (P. 332)
8301 8302 8303 8304 8305 8306 8307 8308 8309	RFID media is out of spec	The loaded RFID media is out of specification. Stop printing and replace with an in-specification RFID media. For the specifications of RFID media supported by this printer, refer to "About Supported RFID Media (P. 325)".
8401	RFID Media Memory Locked	The memory of the loaded RFID media is locked, and cannot be written. Stop printing and replace with an unlocked RFID media. → Canceling Printing (P. 56) → Loading RFID Media into the Printer (P. 332)

Support Number	Error Message	Error Content / Handling
8501	RFID Media Memory Error	The memory size of the loaded RFID media and the size of the data to write to the memory are not appropriate. Stop printing and change to new RFID media. → Canceling Printing (P. 56) → Loading RFID Media into the Printer (P. 332)

Support Number	Error Message	Error Content / Handling
8601 8602 8603 8604	Max Consec Inlay Defects Exceeded	Maximum consecutive inlay defects specified for the loaded RFID media has been exceeded. Stop printing, check the inlay for defects, and load new RFID media. → Canceling Printing (P. 56) → Loading RFID Media into the Printer (P. 332) If the problem persists, check whether there are external readers, antennas, or devices emitting radio waves near the printer. If the printer is effected by these devices, writing to RFID media may not be performed properly. When writing to RFID media, ensure to prevent these devices from emitting radio waves or move them away from the printer.  NOTE For details, refer to "Setting the Frequency for Max Consecutive Inlay Defects Exceeded Errors (P. 339)"
8701	No RFID Media Selected	Attempted to perform RFID printing, but the printer's [RFID Media Settings] are not selected or configured. Stop printing. To perform RFID printing, configure the settings and perform RFID printing again. → Canceling Printing (P. 56) → Loading RFID Media into the Printer (P. 332)
8801	RFID Recovery Print Memory Full	Due to many write failures during RFID printing, the printer's memory capacity for recovery printing is insufficient. Stop printing, then perform calibration again or change to new RFID media. → Canceling Printing (P. 56) → Registering RFID Media Information (P. 327)
XXXX	Unknown error	An undefined operator error has occurred. Check the details on the printer's touchscreen. Update the printer driver and firmware to the latest version. → Obtaining the Latest Software (P. 266) If the same error occurs again, take a note of the support number (XXXX), and contact your technical support.

■ Warning Message

A warning has occurred, but printing can still be performed. If the problem is left unaddressed for a while, an operator call error may occur. It is recommended to address the warning as soon as possible.

Support Number	Status Monitor Message	Cause/Countermeasure
0101 0102 0104 0108	XXXX Ink Low	The remaining ink is low. Prepare a new ink tank. (XXXX represents Black, Cyan, Magenta, or Yellow)
0201	Maintenance Cartridge Space Low	The maintenance cartridge is running out of space and is about to be full. Prepare a new maintenance cartridge.
0301 0302 0304 0308	XXXX Printhead Change Date/Count	Time to replace the printhead . Take note of the message displayed and contact your technical support. (XXXX represents Black, Cyan, Magenta, or Yellow)
0401	Purge Unit Change Date Coming	Time to replace the purge unit. Take note of the message displayed and contact your technical support.
0501	Blade Cleaner Change Date Coming	Time to replace the blade cleaner. Take note of the message displayed and contact your technical support.
0701	No Charge Left in Clock Battery	The clock's (RTC) battery needs to be replaced. Take note of the message displayed and contact your technical support.
0801	Inspect Circuit Board	Circuit board replacement is required. Contact your technical support.
0901 0902 0904 0908	XXXX Ink LVL Detection Disabled	The ink level detection function is disabled. Set an ink tank that is compatible with this printer. (XXXX represents Black, Cyan, Magenta, or Yellow)
0A01 0A02 0A04 0A08	XXXX Printhead Temp High	Temperature inside the printhead is rising. To stop printing, press the Pause key, then press the Delete Data button.
0B01	Data Transfer Delayed	Because the print speed is not optimal, data transfer from the computer to the printer is not synchronized. Open the [Print Setup] tab of the printer driver and set [Print Speed] to [Automatic Speed]. → Adjusting the Print Speed (P. 104)

Support Number	Status Monitor Message	Cause/Countermeasure
0C01	IP Address Conflict	A conflicting IP address is detected on the network. Change the IP address of this product so that it does not conflict with the IP addresses of other devices. → Configuring LAN Settings (P. 228)
0D01	No Media Left	No media available. Load the media. → Loading Roll Media in the Printer (P. 14) → Loading Fanfold Media in the Printer (P. 32)
0F01	Inspect Printheads	Printhead cleaning is performed more frequently than usual, so inspection is required. Contact your technical support.
1001	Frequent RFID Write Retries	Frequent write retries are occurring for RFID data. From [RFID Media Settings], check the media settings and perform calibration again. → Registering RFID Media Information (P. 327) To stop printing, press the Pause key, then press the Delete Data button.
1101	Defective Inlay Detected	A defective inlay has been detected. Recovery printing will be performed according to the RFID recovery operation mode settings. Check the print result. To stop printing, press the Pause key, then press the Delete Data button.
1201	No RFID Print Data	The printer's RFID media settings are enabled, but the received print data was not RFID print data. To perform RFID printing, print again with print data that includes RFID write data. To stop printing, press the Pause key, then press the Delete Data button.
1301 1302	RFID Intermittent Print Encode	Due to optimization of RFID communication or print data processing, printing is taking time with intermittent printing. Please wait until printing finishes. To stop printing, press the Pause key, then press the Delete Data button.
XXXX	Unknown warning	An unknown warning was returned. Check the details on the printer's touchscreen. If the same error occurs again, update the printer drivers and firmware to the latest versions. → Obtaining the Latest Software (P. 266) If the same error occurs again, take note of the message displayed "XXXX" and contact your technical support.

■ Fatal Error

An error has occurred, and it requires contacting the retailer where you purchased this product or the customer consultation center.

Support Number	Status Monitor Message	Cause/Countermeasure
E90nn E91nn	Printer Controller Board Fault	An error that cannot be fixed by the customer occurred. Turn the power off then on. If the same error occurs again, take note of the message displayed (XXXX) and contact your technical support.
E92nn * "nn" is numeric.	Printer Controller Board Fault (Printhead 5V Fuse Blown)	
E93nn	Temperature/Humidity Sensor Connection Fault	
E94nn	Power Supply Fault	
E95nn	Power Supply Fan Fault	
E96nn	RFID Unit Fault	
EA0nn	Black Printhead Fault	
EA1nn	Cyan Printhead Fault	
EA2nn	Magenta Printhead Fault	
EA3nn	Yellow Printhead Fault	
EA4nn	Black Printhead Ink Supply Failure	
EA5nn	Cyan Printhead Ink Supply Failure	
EA6nn	Magenta Printhead Ink Supply Failure	
EA7nn	Yellow Printhead Ink Supply Failure	
EB0nn	Printhead Position Fault	
EB1nn	Purge Unit Position Fault	
EB2nn	Suction Pump Fault	
EB3nn	Refill Valve Fault	
EB5nn	Purge Unit Change Date	

Support Number	Status Monitor Message	Cause/Countermeasure
EB6nn	Blade Cleaner Change Date	An error that cannot be fixed by the customer occurred. Turn the power off then on. If the same error occurs again, take note of the message displayed (XXXX) and contact your technical support.
EB7nn	Feed Valve Fault	
EB8nn	Bubble Separator Valve Fault	
EB9nn	Head Liquid Level Sensor Fault	
EC0nn	Transport Unit Fault	
EC1nn	Paper Suction Fan Fault	
EC3nn	Cutter Fault	
ED0nn	Ink Leak	
EE0nn EE1nn	System Error	
XXXX	Unknown Error	

RFID Media Printing

*Available optional products may differ depending on your country or region.

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About the RFID Unit

When you purchase the optional "RFID Unit RF-L01" (hereafter referred to as the RFID Unit), you can print on RFID-compatible media and write information at the same time.

This section explains the names and usage of each part of the RFID Unit.

■ For Those Using a Cardiac Pacemaker

WARNING

- The RFID Unit emits weak radio waves, which may affect medical devices depending on the application and location of use.

If you use an implantable medical device, such as a cardiac pacemaker, keep at least 3.0 ft (91.4cm) distance from the RFID Unit. Also, please consult your doctor before using the RFID Unit.

■ Notes on Radio Waves

IMPORTANT

- This product is susceptible to surrounding radio waves, and communication errors may occur depending on the environment in which it is used.
If there are external readers, antennas, or devices emitting radio waves near the printer, either turn off those devices or move them away before using the printer.
- If a communication error causes a write failure, an "x" mark is printed on the media, and it cannot be reused.

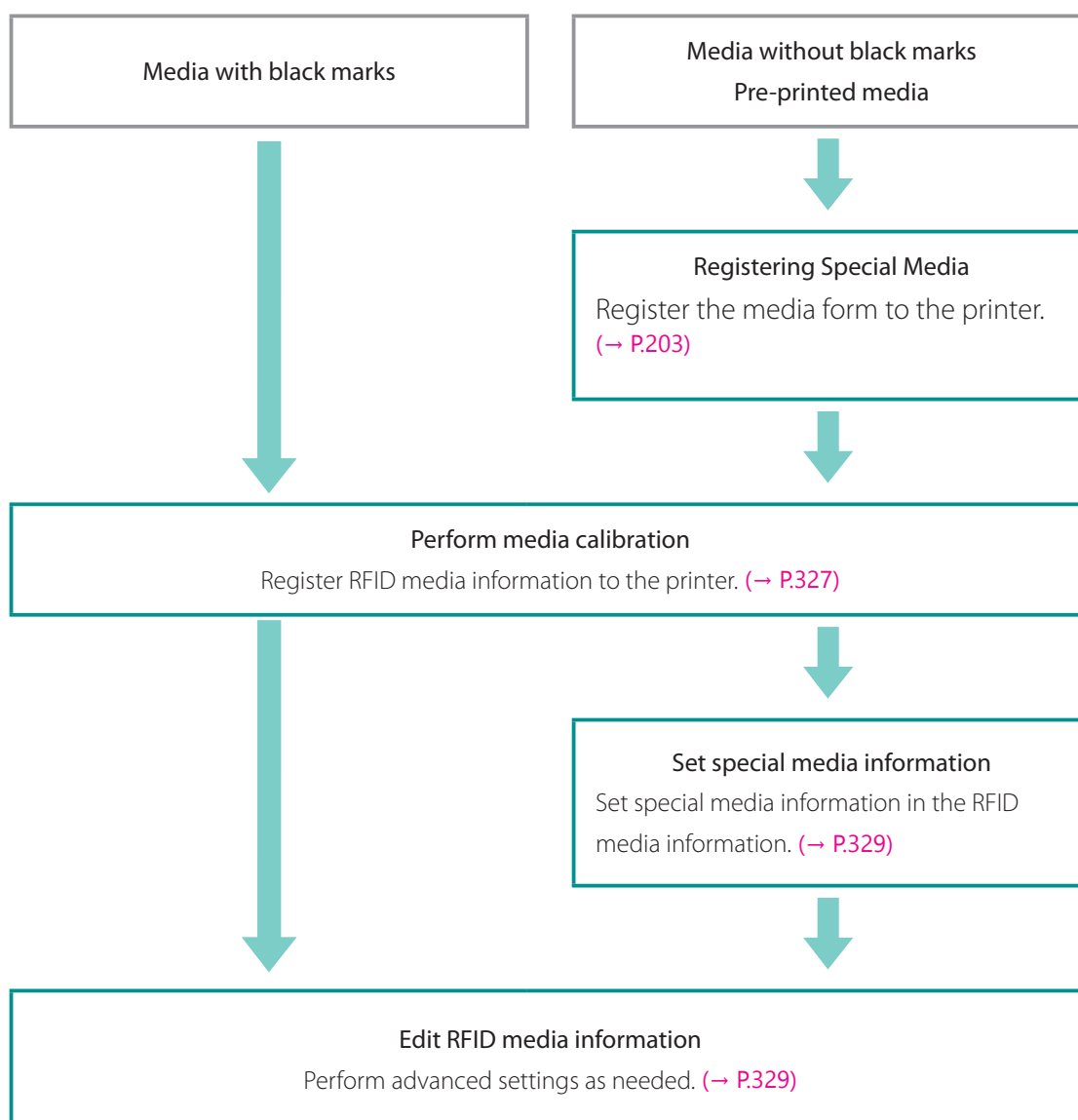
■ About Supported RFID Media

For this product, use media that meets the following conditions. Data cannot be written to media that does not meet the conditions. Verify the operation in advance before use.

- Compliant with ISO/IEC 18000-63
- Access command "Block Write" is supported
- Two or more is written in the length information of the PC area

Registering RFID Media Information

Before printing on RFID media, first register the media information to the printer.
The registration procedure varies depending on the form of the media you use.



✓ IMPORTANT

- If you use pre-printed media or Label/Gap media, the print start position is set by selecting the special media information (→ P.203) for that media. If you print without selecting the special media information, printing may occur in an unintended position. Ensure to select the special media information.

📖 NOTE

- You can register up to 10 RFID media settings.
- Registered settings can be edited or deleted later.

Registering RFID Media Information

When printing on RFID media, set the media according to the following steps.

NOTE

- You can register up to 10 RFID media settings.
- Registered settings can be edited or deleted later.
 - [Editing RFID Media Information \(P. 329\)](#)
 - [Deleting RFID Media Information \(P. 331\)](#)

1 Load media into the printer.

→ [Loading Roll Media in the Printer \(P. 14\)](#)

2 Tap (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

3 Tap [RFID] → [RFID Media Settings] → [Register/Edit RFID Media].

4 Select the item displayed as "Not Registered".

The Register/Edit RFID Media menu is displayed.

5 Tap [1. Run Calibration].

6 Select the sensor type and tap [Next].

Verify the media form and select Gap or Black Mark.

7 Tap [Next].

Calibration starts.

8 When the calibration completion screen appears, tap [Next].

9 Enter the media name and tap [OK].

A screen indicating the registration process complete is displayed.

10 Configure detailed media information as needed.

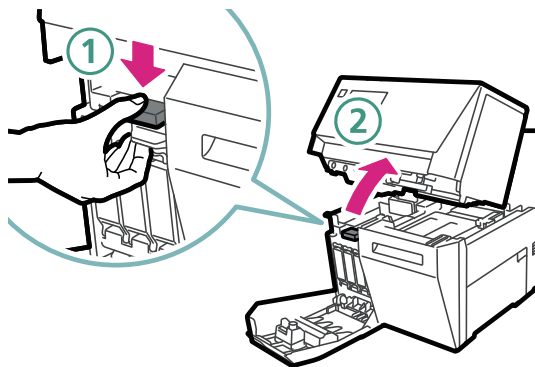
→ [Editing RFID Media Information \(P. 329\)](#)

✓ IMPORTANT

- If you select [Gap] in Step 5, configure the special media information.

11 Open the upper unit, remove the media, and set the media again.

→ [Loading RFID Media into the Printer \(P. 332\)](#)



Editing RFID Media Information

You can make more detailed settings by editing the registered RFID media information.
Follow the steps below:

1 Tap (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

2 Tap [RFID] → [RFID Media Settings] → [Register/Edit RFID Media].

3 Select the name of the media to edit.

4 Change each item setting as needed.

You can edit the following items:

● Margin Setting

Set the transport speed when [Auto] is selected in RFID Print Mode (→ P.338). By lowering the feed speed, the communication time between the printer and the RFID media gets longer, reducing the number of communication retries.

No Selection Made: The feeder speed is not adjusted.

Level 1: The feeder speed is reduced by 10 mm/sec.

Level 2: The feeder speed is reduced by 20 mm/sec.

Level 3: The feeder speed is reduced by 30 mm/sec.

● Print Speed

Set the transport speed when [Auto] is selected in RFID Print Mode (→ P.338).

Auto: The media is fed at the speed suitable for the print settings.

50 mm/sec: The media is fed at the minimum transport speed. By lowering the feeding speed, communication time between the printer and the RFID media gets longer, reducing the number of communication retries.

● Media Vacuum Strength

Set the strength for media suction.

Standard: The suction strength is not adjusted.

Strong: The suction strength is stronger than [Standard].

NOTE

- If the surface of the media is dirty, the printhead might have made contact. For media with curled surfaces, increasing the suction strength can widen the gap with the printhead, which may help reduce such soil.

● Printhead Height Adjustment

Set the printhead height. The printhead height can be selected from 40 levels in 0.05 mm increment between 0 mm - 2 mm.

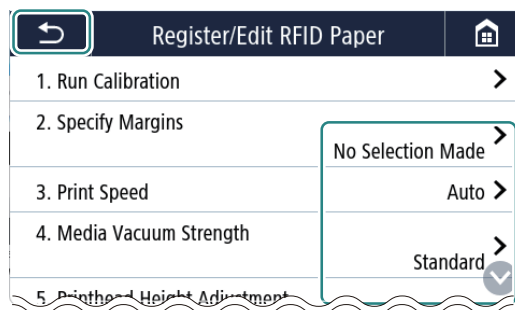
NOTE

- The default value for printhead height is set to 0.15 mm. However, if only printing is performed without writing RFID data, this is disabled.
- If you set to widen the gap between the printhead and media in Prevent Media Rubbing Mode, the value set in Printhead Height Adjustment is added.
- If the surface of the media is dirty, the printhead might have made contact and rubbed. By raising the printhead position, such dirt may be reduced.

● Select Special Media

Select the special media setting (→ P.203) to use for RFID Print.

5 After completing the changes, check the setting contents and tap  (Home).



Deleting RFID Media Information

To delete registered RFID media information, follow the steps below.

- 1 Tap  (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

- 2 Tap [RFID] → [RFID Media Settings] → [Delete RFID Media].

Registered RFID media settings is displayed.

- 3 Select the name of the [RFID Media] you delete.

A Confirmation message is displayed.

- 4 Select [Yes].

The RFID Media Information is deleted, and the [RFID Media Settings] screen is displayed again.

Loading RFID Media into the Printer

To load RFID media into the printer, follow the steps below.

✓ IMPORTANT

- To print without writing data to RFID Media, "RFID Media Settings" (→ P.329) is disabled.
If you adjust the printhead height in "RFID Media Settings", the distance between the printhead and media may not be sufficient, which could cause the print surface to get dirty. Configure "Prevent Media Rubbing Mode" (→ P.196) to [Level 1] before printing.

📖 NOTE

- If the media settings configured in the printer driver differ from the printer's media information, an error message may appear on the operation panel. You can still execute the print job, but the expected results may not be achieved.
- To stop printing, click [Cancel Print Job] on the status monitor.
→ Canceling Printing (P. 56)

1 On Home screen, tap  (Menu) → [Media Type Settings] → [Media Supply], then select a media supply.

2 Select [RFID Media] and choose the media setting to use for printing from the list.

📖 NOTE

- If the desired media setting for printing is not in the list, refer to "Registering RFID Media Information (P. 327)" and register it.

3 Tap  (Home) to return to Home screen.

4 Load media into the printer.

Open the application on your computer and print.

📖 NOTE

- For instructions to configure print on the surface without writing information, refer to the application's manual.
- An "x" mark is printed on media where writing to RFID Media failed.
- If an error occurs and printing is temporarily stopped during the printing process of the "x" mark, depending on the stop position of the media, printing may be performed again on already printed media after resuming printing. If an error occurs and printing is temporarily stopped, reload the media.
→ Loading Roll Media in the Printer (P. 14)
→ Loading Fanfold Media in the Printer (P. 32)

Printer Driver Settings When Using RFID Media

Setting the Media Size

When printing on RFID Media, set the new media size in the printer driver.

Up to 50 types of media size information can be registered in [Custom Media Size].

When registering the size of RFID Media in the printer driver, change the size of standard media that has already been registered. Follow the steps below:

NOTE

- "Media Size Name", "Width", "Length", "Display Units", "Media Form", "Gap / Mark Length", "Margin", and "Gap" can be registered.
- The standard label media name cannot be edited.

1 Open the printer properties window .

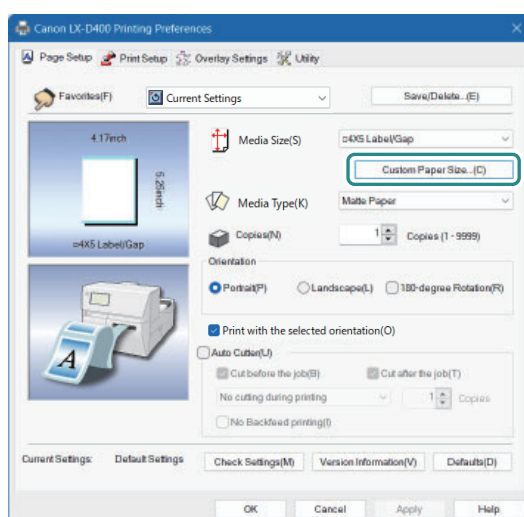
→ [Opening the Printer Properties Window \(P. 59\)](#)

NOTE

- If the printer driver is opened from application software, [Custom Media Size] cannot be edited. Open it from Windows Settings or the printer's properties screen.

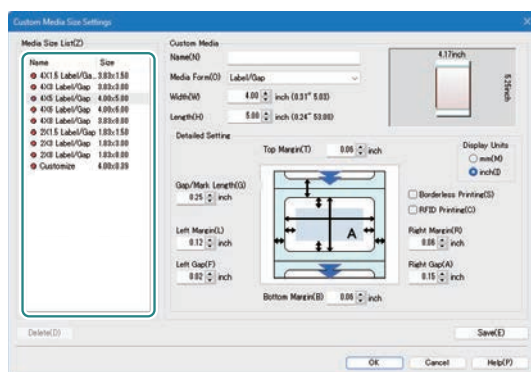
2 Click [Custom Media Size].

The [Custom Media Size Settings] dialog box is displayed.

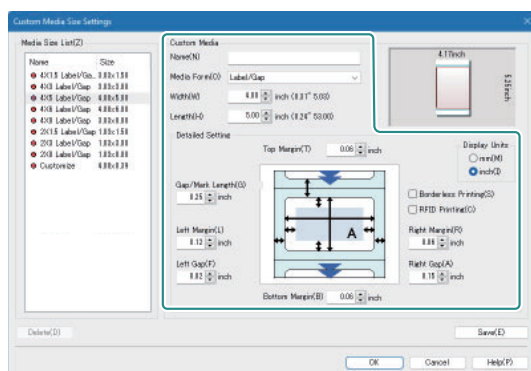


NOTE

3 Select a basic media size from the [Media sizes list].

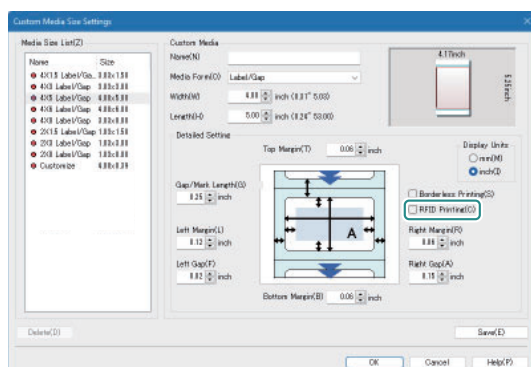


4 Enter or select each of the following items: "Name", "Width", "Length", "Margin", "Gap", "Display Units", "Media Form".

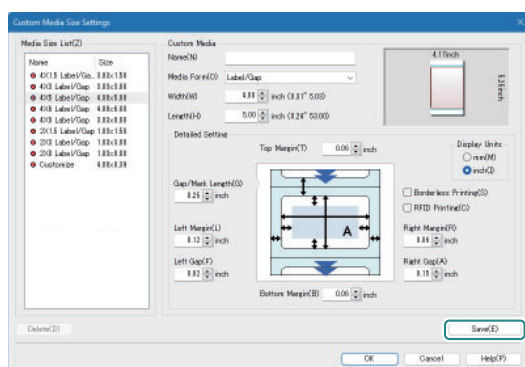


[Name]	Enter a new media name. Name can be up to 15 characters, both single-byte and double-byte.	
[Width]/[Length]	Enter values in the allowed range.	
[Display Units]	Select mm or inch.	
[Media Form]	Select the media form to use for printing.	
	[Label/Gap]	Select this for regular label media. The gap between labels is detected and the leading edge of the media is recognized.
	[Label/ Black Mark]	Select this for label media with black marks printed on the back side. The printer recognizes the leading edge of the media using the black mark.
	 NOTE The configurable range of width and length varies by media shape. For details, refer to "RFID Media Size Setting Range (P. 336)".	
[Gap/Mark Length]	Enter the gap length or mark length for the custom size.	
[Media Margin]	Enter the top/bottom and left/right margins, and left/right gaps.	

5 Select [RFID Printing].



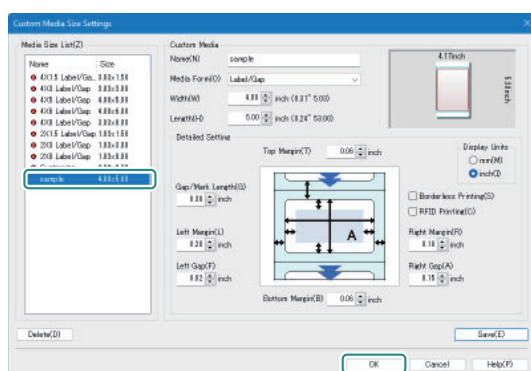
6 When all entries are complete, click [Save].



NOTE

- When opening [Printer Properties] from the [Print] menu in application software and editing a custom media size, [Temporary Save] appears in place of [Save].

7 Confirm that the entered media name is displayed in [Media Size List], then click [OK].



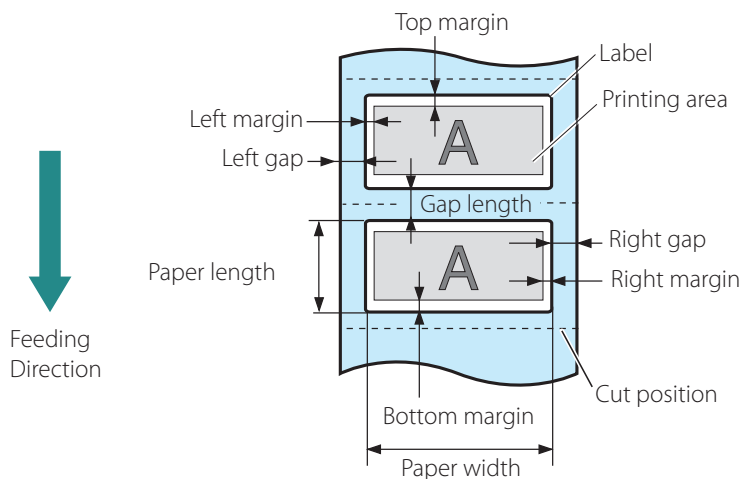
NOTE

- When opening [Printer Properties] from the [Print] menu in application software and editing a custom media size, the media name is not registered in [Media Size List(Z)].

RFID Media Size Setting Range

■ Label/Gap

Select this for regular label media. The printer detects the gap^{*1} between labels and recognizes leading edge of the media.



^{*1} Gap: Space between liner (label-mount) and label (upper media).

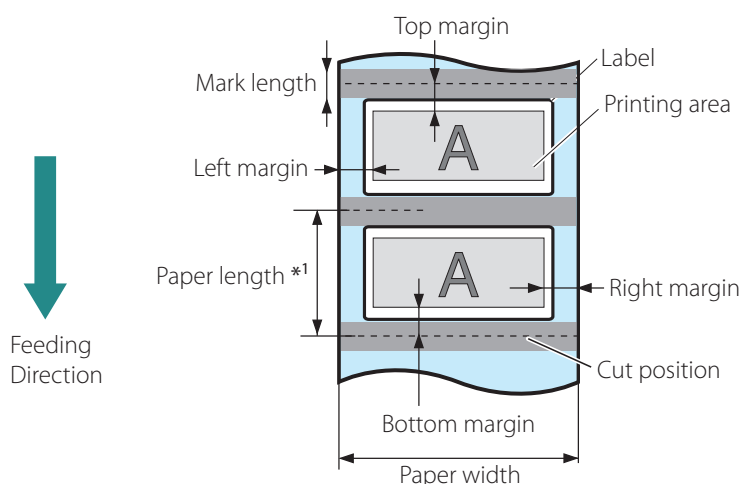
Media Width	25.4 mm to 128.0 mm	1.00" to 5.03"
Media Length	14.0 mm to 203.2 mm	0.56" to 8.0"
Gap Length	2.5 mm to 9.5 mm	0.10" to 0.37"
Left Gap	0.5 mm to 10.6 mm	0.02" to 0.42"
Right Gap	0.5 mm to 117.8mm	0.02" - 4.64"
Top Margin	1.5 mm to (Media Length - 3 - Bottom Margin) mm	0.06" to (Media Length - 0.12 - Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 - Top Margin) mm	0.06" to (Media Length - 0.12 - Top Margin) "
Left Margin	1.5 mm to (Media Width - 3 - Right Margin) mm	0.06" to (Media Width - 0.12 - Right Margin) "
Right Margin	1.5 mm to (Media Width - 3 - Left Margin) mm	0.06" to (Media Width - 0.12 - Left Margin) "

✓ IMPORTANT

- Configure the media setting to meet the following conditions:
 - The total of Left (Right) Margin and Left (Right) Gap is 2.7 mm (0.11") or more
 - Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")
 - If the total of Media Width, Left Gap, and Right Gap is longer than 120.0 mm (4.72"), the total of Left Margin and Left Gap is 10.8 mm (0.43") or more and Right Margin (Media Width + Left Gap) is 119.2 mm (4.69")
 - If the total of Media Width, Left Gap, and Right Gap is 120.0 mm (4.72") or less: Right Margin = (Media Width + Left Gap) - 109.1 mm (4.30")
 - If the total of Media Width, Left Gap, and Right Gap is greater than 120.0 mm (4.72") : Right Margin = (Media Width + Left Gap) - 119.2 mm (4.69")

■ Label/Black Mark

This is label media with a black mark printed on the back side. The printer recognizes the media edge with the black marks.



*¹ Media Length: The length from the center of one mark to the center of the next mark

Media Width	25.4 mm to 128.0 mm	1.00" to 5.03"
Media Length	14.0 mm to 203.2 mm	0.56" to 8.00"
Mark Length	3.0 mm to 10.0 mm	0.12" to 0.39"
Top Margin	1.5 mm to (Media Length - 3 - Bottom Margin) mm	0.06" to (Media Length - 0.12 - Bottom Margin) "
Bottom Margin	1.5 mm to (Media Length - 3 - Top Margin) mm	0.06" to (Media Length - 0.12 - Top Margin) "
Left Margin	If Media Width is 120.0 mm or less: 1.7 mm to (Media Width - 3 - Right Margin) mm	If Media Width is 4.72" or less: 0.07" to (Media Width - 0.12 - Right Margin) "
	If Media Width is 120.1 mm to 130 mm: 10.8 mm to (Media Length - 3 - Top Margin)	If Media Width is 4.73" ~ 5.12": 0.43" to (Media Width - 0.12 - Right Margin) "
Right Margin	If Media Width is 110.8 mm or less: 1.7 mm to (Media Width - 3 - Left Margin) mm	If Media Width is 4.36" or less: 0.07" to (Media Width - 0.12 - Left Margin) "
	If Media Width is 110.8 mm to 120 mm: (Media Width - 109.1) mm to (Media Width - 3 - Left Margin) mm	When Media Width is 4.36" to 4.72": (Media Width - 4.3) " to (Media Width - 0.12 - Left Margin) "
	If Media Width is 120.1 mm to 130.0 mm: (Media Width - 119.2) mm to (Media Width - 3 - Left Margin) mm	If Media Width is 4.73" to 5.12": (Media Width - 4.69) " to (Media Width - 0.12 - Left Margin) "

✓ IMPORTANT

- Configure the media setting to meet the following conditions:
Minimum print area: Media Width 3 mm (0.12") x Media Length 3 mm (0.12")

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Setting the RFID Print Mode

Configure the method for writing data to RFID media.

1 Tap  (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

2 Tap [RFID] → [RFID Print Mode].

Select how to write RFID data and Print from the options below.

Auto	Writing and printing are performed at the same time.  IMPORTANT If the write data is larger, the printer automatically switches to [Print Stop Encode].
Print Stop Encode	After writing (encoding), the media is backfed and then print is performed.

When you select an option, the [RFID] screen is displayed again.

Setting the Frequency for Max Consecutive Inlay Defects Exceeded Errors

The sheet of media that failed to write five times or more is called a defective inlay. An "x" mark is printed on defective inlays, and they cannot be written again.

If defective inlays are detected consecutively, a Max Consecutive Inlay Defects Exceeded Error occurs and the print operation is aborted.

You can set how many consecutive times defective inlays are detected before an error occurs. The default is set to 1 (once).

1 Tap (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

2 Tap [RFID] → [Consecutive Inlay Defects Exceeded].

Select the number of consecutive times to allow for defective inlay detection (from 0 to 9).

When you select an option, the [RFID] screen is displayed again.

NOTE

- If retries fail consecutively for the set number of times + 1, a [Max Consec Inlay Defects Exceeded] error will occur.

Setting the Recovery Method when Writing Fails

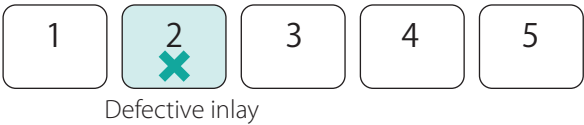
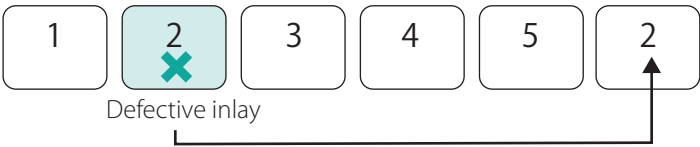
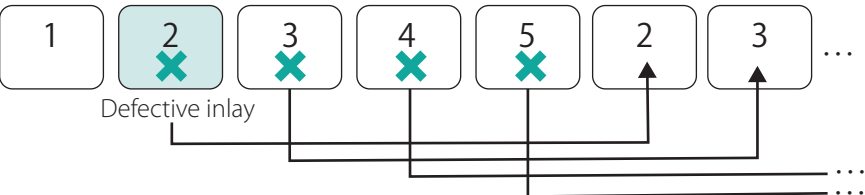
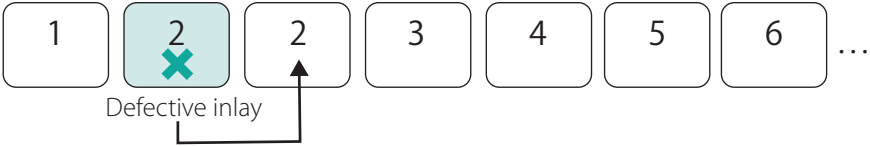
Set how to recover from the error when a defective inlay is detected after a write failure. The default is set to [No Recovery].

1 Tap  (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

2 Tap [RFID] → [RFID Recovery Operation Mode].

Select the behavior when a defective inlay is detected from the options below.

No Recovery	No recovery process is performed. An "x" mark will be printed on defective inlays. <Print Image>  Defective inlay
Change the Print Order	The data that was supposed to be printed on the defective inlay is printed at the end of the job. The order of the label may change, but only the defective inlay has an "x" mark printed. <Print Image>  Defective inlay
Don't Change the Print Order	An "x" mark is printed on the already printed media following the defective inlay. The content that was supposed to be written to the defective inlay is written and printed on the next available media. Even if the media was correctly written at the time the defective inlay was detected, an "x" mark will be printed. You can print with the original label order. <Print Image> • If "Auto" is selected in RFID Print Mode (→ P.338) :  • If "Print Stop Encode" is selected in RFID Print Mode (→ P.338) :  Defective inlay

When you select an option, the [RFID] screen is displayed again.

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Verifying the Result of Writing

You can verify the result of writing by scanning the RFID media with the printer. This functionality is useful, for example, for verifying whether the serial number printed on the RFID media matches the serial number in the inlay's EPC memory. Follow the steps below:

NOTE

- If print data is received while [RFID Data Read] is being executed, print operation is not performed.

1 Tap (Menu) → [Administrator] on Home screen.

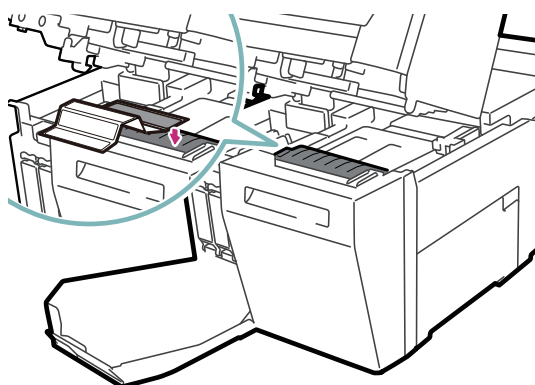
If an administrator password is configured, enter the password.

2 Tap [RFID] → [RFID Data Read].

3 Open the ink tank cover, press the upper unit open lever, and open the upper unit.

4 Set the media you want to check the write result for in the printer.

Place the media so that the inlay is in the position shown in the diagram.



NOTE

- When scanning the media, remove the hand and fingers from the media. If your hand or fingers are on the media, the inlay Information may not be scanned correctly and an error may occur.

5 Check the scan result displayed on the touchscreen.

6 Tap (Home) to return to Home screen.

Erasing RFID Data

To prevent incorrect writing, this printer compares the unique inlay ID obtained during RFID print with the history (memory) of the unique inlay IDs already printed and stored in the printer. The writing operation is performed only when there is no matched IDs.

To erase the memory used at this time, follow the steps below.

NOTE

- Perform this procedure when you want to use the same RFID media again for RFID print after it has already been printed once.

1 Tap (Menu) → [Administrator] on Home screen.

If an administrator password is configured, enter the password.

2 Tap [RFID] → [RFID Write-Prevention Memory Erase].

A Confirmation message is displayed.

3 Select [Yes].

The unique inlay ID and RFID write data stored in the printer are erased.

Specifications

Printer

Product name		LX-D400
Printing method		Inkjet Print Method
Print colors		Full color
Output resolution		1200 dpi (horizontally) x 1200 dpi (vertically)
Print speed		Preset : 240/220/200/160/120/100 to 50 mm/s (9.45/8.66/7.87/6.30/4.72/3.94 to 1.97 in/s) * Setting can be adjusted in increments of 10 mm/s (0.39 in/s) Auto * ¹ * ² : 330 mm/s, 300 mm/s, 240 mm/s (12.99 in/s, 11.81 in/s, 9.45 in/s)
Printable area		Width: 3.0 mm (0.12") to 106.4 mm (4.19") * With AIS ON Length : 3.0 mm (0.12") to 1343.2 mm (53.00")
Print margin (In relation to media transport direction)		Top/Bottom: 1.5 mm (0.06") Left/Right: 2.7 mm (0.11") (Including liner) * ³
Printhead		5184 dots (Number of effective nozzle: 5144 dots)
Ink used		Water based dye ink Yellow (Y), Magenta (M), Cyan (C), and Black (Bk)
Interface		USB2.0 Hi-speed USB flash drive LAN* ⁴ : IEEE802.3ab (1000BASE-T) / IEEE802.3u (100BASE-TX) / IEEE802.3i (10BASE-T)
Expansion Interface		Upper side: Expansion RS-232C (D-sub 9pin) Lower side: Connecting external devices (D-sub 25pin)
Operating noise		55dB or less
Installation environment		Temperature: 15 to 30 degrees Celsius (59 to 86 degrees Fahrenheit) Humidity: 10% to 80% (Without condensation)
Power supply		AC 100V-240V 50/60Hz
Power consumption		Maximum power consumption: 230 W When printer is in sleep mode: Approx. 5W
Dimensions (W x D x H)		W 386 mm x D 565 mm x H 430 mm (15.20" x 22.24" x 16.93")
Weight		Approx. 24 kg (52 lbs) (Excluding the ink tanks)
Cutter	Type	Job Cutting cutter with Upper Blade (Rotate), Bottom Blade (Stable).
	Cutting rate	Similar to the printer speed.

*¹: For 1200 dpi: 220 mm/sec or less.

*²: The appropriate speed is automatically selected based on the print data and print settings.

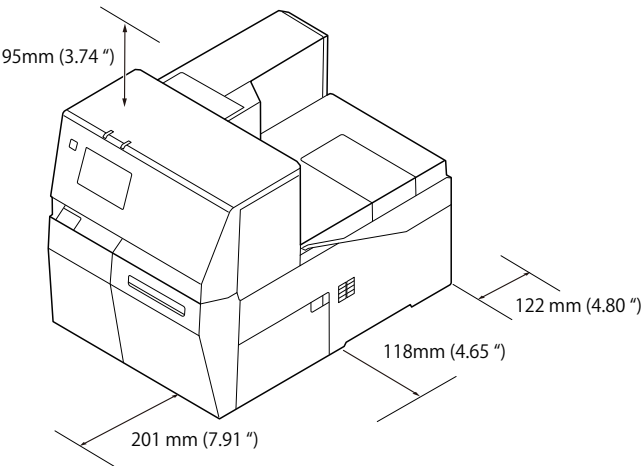
*³: When using label media, it must have left and right margins, each of which is 1.5 mm (0.06") or wider in relation to the left and right media edges respectively.

*⁴: Standard TCP/IP Port (Raw: LPR Byte Counting Enabled) supported.

■ Installation

Make sure that there is sufficient space around the printer.

* Refer to **"Using Fanfold Media (P. 32)"** for the required space when using fanfold media.



■ System Requirements

OS	Windows 11 Windows Server 2025 Windows Server 2022 Windows Server 2019 Windows Server 2016
Hard disk space	50 MB or more

RFID Unit (Option)

*Available optional products may differ depending on your country or region.

Frequency		914- 925 MHz (US, Canada)
Supported Standards		UHF EPC Gen 2, ISO, IEC 18000-63
Dimensions (W x D x H) *Including Printer.		W 386 mm × D 615 mm × H 430 mm (W 15.20" × D 24.21" × H 16.93")
Weight (Including Printer)		Approx. 25.0 kg (56.4 lbs)
Installation Environment		Temperature:15 to 30 degrees Celsius (59 to 86 degrees Fahrenheit) Humidity: 10% to 80% (without condensation)
Cutter	Product Type	Job Cutting Cutter with Upper Blade (Rotate), Bottom Blade (Stable)
	Cut speed	Equivalent to the printer.
	Cutting Size	Width: 25.4 mm -115 mm (1.00" - 4.53") (Including liner) Length: Equivalent to the printer.
	Cutting thickness	200 µm or Less (7.87 mil)

* For details on compatible print media, please contact your place of purchase.

Consumable Supplies and Options

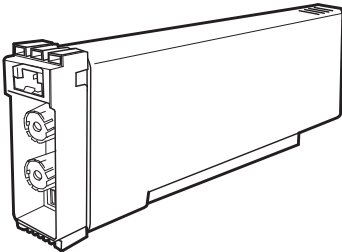
Details on consumable supplies and options can be found below.

For details on how to purchase consumable supplies and options, please contact the dealer where you purchased this product.

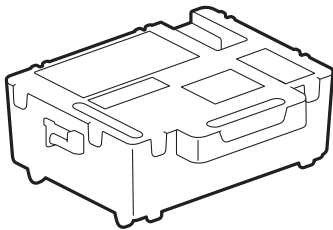
■ Consumable Supplies

- Ink Tank

(Yellow (Y), Magenta (M), Cyan (C), Black (Bk))



- Maintenance Cartridge



■ Options

- Roll Holder

When using multiple types of roll media, it is recommended to prepare an optional roll holder in advance. This helps reduce the need to repeatedly reinstall roll media in the holder.

- RFID Unit

*Available optional products may differ depending on your country or region.

This device writes RFID information to RFID media. It is equipped with the job-actuated cutter.

→ [About the RFID Unit \(P. 325\)](#)