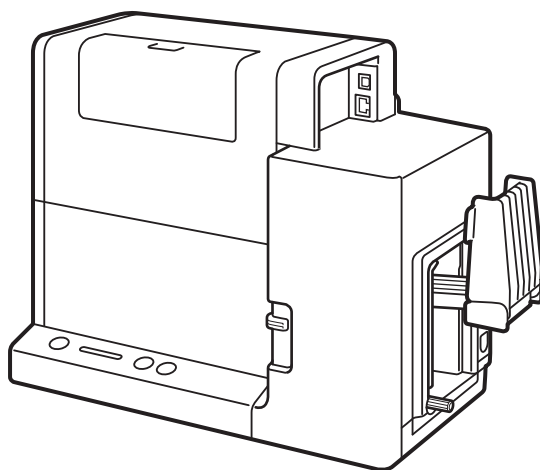




SCC-2000D

Basic Operation Guide



Please read this guide before operating this product.
After finish reading this guide, store it in a safe place for future reference.

About Instruction Manuals

The following manuals come with this product. Use them depending on the situation where you use this product.

● Setup Guide

- This manual describes the procedures for installing and making preparations for using this product.
- Read this manual first.

● Basic Operation Guide (This Manual)

- This manual describes precautions for using this product safely.
Be sure to read this manual before using this product.
- This manual also describes basic functions and operations of this product.
Also read this manual when you want to know the troubleshooting procedure in addition to the basic procedures for printing and changing paper.

● User's Guide

- This manual is available in PDF format and provides a detailed description of how to operate this product.^{*1}
 - Basic Operations
 - Printing
 - Maintenance
 - Troubleshooting
 - Appendix (About Moving the Printer, About Setting the Network Utility, etc.)
 - Specifications
- The User's Guide is stored on the supplied "Printer Software CD-ROM."

^{*1} Adobe Reader is required to read the User's Guide.

If Adobe Reader is not installed in your computer, download it from the website of Adobe Systems Inc. and install it in your computer.

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Before You Begin

Thank you for purchasing the Swiftcolor SCC-2000D.

Please read this guide before you use the printer so you can fully understand the printer features and learn how to use the printer most efficiently. This guide provides all the information you need to use this printer.

Conventions

WARNING

Indicates a warning concerning operations that may lead to death or injury to persons if not performed correctly. To use the machine safely, always pay attention to these warnings.

CAUTION

Indicates a caution concerning operations that may lead to injury to persons if not performed correctly. To use the machine safely, always pay attention to these cautions.

IMPORTANT

Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damage to the machine or property.

NOTE

Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.



Indicates an operation that must not be performed. Read these items carefully, and make sure not to perform the described operations.

Sample Screens

The sample screens of the printer driver settings in this guide were created with Swiftcolor SCC-2000D in Windows 7.

Trademarks

- Microsoft and Windows are 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.

Abbreviations

Throughout this document the following abbreviations are used in text.

- Microsoft Windows 8 is abbreviated as "Windows 8"
- Microsoft Windows 7 is abbreviated as "Windows 7"
- Microsoft Windows is abbreviated as "Windows"

Request to the Customer

- Copying this guide or any part of this guide without permission is strictly forbidden.
- The specifications for this printer as well as the software provided with the printer are subject to change without prior notice.
- We have done our best to make this guide as complete and accurate as possible, and we ask you to contact the dealer where you purchased the printer if you find any omissions or mistakes in this document.
- We can accept no responsibility for loss or damages resulting from the use of this printer or its software; please accept this before you use the printer.

Legal Notice

■ Legal Limitations on the Usage of Your Product and the Use of Images

- It is illegal to reproduce currency, bills, negotiable securities and other documents prohibited by law. Reproduction of such items may be subject to criminal prosecution.
- It is illegal to reproduce legal certificates, licenses, and certain public and private documents prohibited from reproduction by law. Reproduction of such items may be subject to criminal prosecution.
- Please note that intellectual property protected by copyright may not be reproduced without the express permission of the copyright holder except for personal or household use under limited circumstances.

■ Product Name

SCC-2000D

■ CE

This equipment conforms with the essential EMC requirements of EC Directive. We declare that this product conforms with the EMC requirements of EC Directive at nominal mains input 230V, 50 Hz although the rated input of the product is 100 to 240 V, 50/60 Hz. Use of shielded cable is necessary to comply with the technical EMC requirements of EC Directive.

■ FCC (Federal Communications Commission)

FCC Part 15 Compliance

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

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

CAUTION: Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

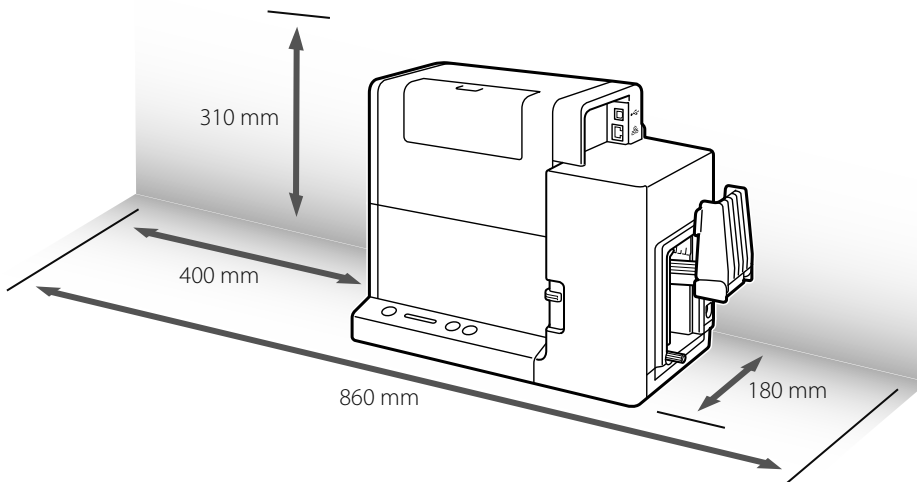


Important Safety Instructions

Before using this printer, please read this section ("Important Safety Instructions") thoroughly. Warnings and important matters are described here to prevent damages to the user and other persons. Do not attempt to operate this printer in any way other than those mentioned in the manual.

■ Installation

- Make sure that there is sufficient space around the printer.



WARNING

- Do not place the following objects on the printer:
 - Necklaces and other metal objects
 - Cups, vases, flowerpots, and other containers filled with water or liquids

If such an object is brought into contact with the electrical parts inside the printer, this could cause a fire or electrical shock. If it enters inside of the printer, turn the printer off immediately, disconnect the power plug from the power outlet and contact the dealer.

- The electrical contacts inside the printer become extremely hot during normal operation. To avoid causing a fire, do not store flammable substances like alcohol, thinner, etc. near the printer.

CAUTION

- Do not install the printer in the following locations:
 - A damp or dusty location
 - A location exposed to oily smoke or steam; e.g., near a countertop or humidifier.
 - A location exposed to rain or snow.
 - A location exposed to salty wind.
 - A location subject to high temperatures
 - A location near open flames
- Do not place the printer in an unstable location; e.g., on a wobbling or inclined table, or a location subject to frequent vibrations. The printer could fall down or fall over, resulting in personal injury.
- Never place the printer where it will be exposed to rapid changes in temperature, such as in direct sunlight, near an air conditioner, or in a car on a hot day. This could cause a fire or damage to the printer.

IMPORTANT

- Use the printer in the following operating environment:
Operating environment: 15 degrees Celsius - 30 degrees Celsius, RH 10% - 80% (with no condensation)
- If the printer is carried into a warm room on a cold day, this could cause condensation inside the printer. If this happens, allow the printer to sit for at least 1 hour at room temperature to adapt to the ambient temperature and humidity.
- To ensure normal operation of the printer and avoid possible damage, do not install the printer near large office equipment or any other type of electrical device that emits a strong magnetic field.

Power Supply

WARNING

- Do not use any power cord and AC adapter other than those supplied with the printer. Do not use the supplied AC adapter for any other product. This could cause a fire or electric shock.
- Do not bring the power cord and AC adapter close to heating appliance. This could melt the cable sheath and cause a fire or electric shock.
- To avoid a fire or electrical shock, do not use an extension cord.
- To avoid a fire or serious electrical shock, connect the printer power cord to an independent power outlet that is not shared by other equipment or appliances.

- To avoid causing a fire or serious electrical shock, make sure that the power plug is securely and completely inserted into the power outlet.
- Do not damage, break, or modify the power cord and AC adapter. Do not place a heavy object on, heat, or pull the AC cord and the AC adapter. This could cause power leakage from the damaged portion, resulting in a fire or electric shock.
- Do not stress the base of power cord such as wrapping it around the AC adapter. This could cause power leakage from the damaged portion, resulting in a fire or electric shock.
- To avoid personal injury from an electrical shock, do not handle the power cord or plug when your hands are wet.
- To avoid a fire or serious electrical shock, do not knot the power cord or wrap it around itself.
- Disconnect the printer power cord during severe electrical storms. Lightning could cause a fire or severe electrical shock or damage to the printer.

CAUTION

- To avoid damaging the power plug, which could cause a short circuit and cause a fire or electrical shock, do not pull on the power cord to unplug the cord from the power supply. Always grip the plug to remove it from the power supply.
- When disconnecting the AC adapter from the printer, be sure to remove the power plug from the power outlet first. If the connection terminal of the AC adapter is brought into contact with any metallic part when the power plug is still connected to the power outlet, a fire or electric shock could result.
- Always keep the area around the power plug free of obstacles so you can unplug it easily. This allows you to unplug the power cord quickly in an emergency.
- Do not use any power outlet other than the one rated for the printer. This printer is designed to be used in the region where you purchased. Also, make sure that the power outlet can supply sufficient power for the printer. This could cause a fire or serious electrical shock, or damage the printer.

Handling

WARNING

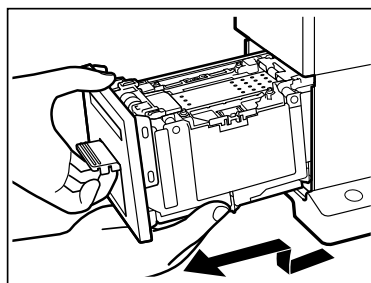
- There are high voltage points inside the printer. To avoid a fire or electrical shock, do not attempt to disassemble or repair the printer.
- Do not insert any metal objects into the printer. Also, do not let a metallic piece (clip, staple, etc.), or

water and a flammable solvent (alcohol, benzene, thinner, etc.) into the printer. If it is brought into contact with the electric parts inside the printer, a fire or electric shock could result. If such an object enters inside of the printer, turn the printer off immediately, disconnect the power plug from the power outlet and contact the dealer.

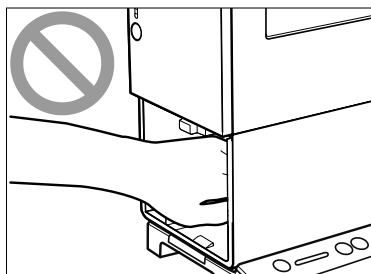
- When abnormal sound, smoke, excessive heat, or strange odor is detected, turn the printer off immediately, disconnect the power plug from the power outlet and contact the dealer. Using the printer continuously could cause a fire or electric shock. Do not attempt to repair the printer by yourself. This could cause a fire or serious electrical shock.
- Do not use a flammable spray near the printer. If the sprayed gas is brought into contact with the electric parts inside the printer, a fire or electric shock could result.

CAUTION

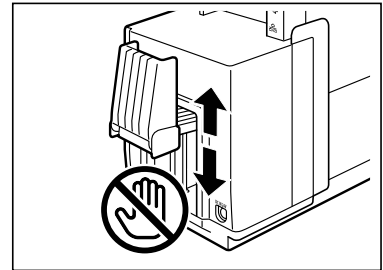
- If the printer is dropped and damaged, turn the printer off immediately, disconnect the power plug from the power outlet, and contact the dealer. If you continue to use the printer, this could cause a fire or serious electrical shock.
- If the printer will not be used for a long period, for your safety disconnect the power cord from the power outlet.
- Do not place a heavy object on the printer. It could fall down or fall over, resulting in personal injury.
- Keep the power cord, cables, gears, belts, rollers, and electric parts inside the printer out of the reach of children. Otherwise, a personal injury or printer failure could result.
- When pulling the transport unit out of the printer, hold it firmly with both hands so that it does not fall.



- Do not put your hands into inside of the printer. Failures or physical injury could result. Further, your hands or clothing may get dirty with ink adhered inside of the printer.



- When the feeder lift tray is moving, do not touch it. Also, do not insert your hand or place objects below the tray. Doing so can cause injury or malfunction.



- Do not directly paste labels printed with this printer onto fruits and vegetables. When pasting labels on food products, paste them onto wrap or other packaging.



✓ IMPORTANT

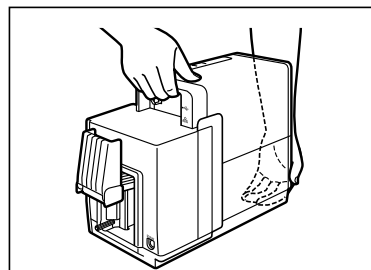
- Do not open the ink tank cover or transport unit lever, turn the printer off, or remove the power plug from the power outlet while the printer is operating. This could cause a printer failure.
- If the printer is turned off while it is operating (for example, the power plug or AC adapter is disconnected or a blackout occurs), do not pull out the transport unit immediately. Turn the printer on again before performing any operation. Pulling out the transport unit forcibly without turning the printer on again could cause a printer failure.
- Do not place the printer close to TV, radio receiver or loudspeakers, etc. The magnetic field may cause the printer to malfunction, or the printer may interfere with TV/radio reception.

■ Moving

! CAUTION

- Before moving the printer, turn it off, remove the power plug from the power outlet, and disconnect the interface cable. Otherwise, the power cord and other cables could be damaged, resulting in a fire or electric shock.

- When carrying the printer, be sure to securely hold the printer with both hands to avoid dropping the printer. In addition, do not hold the feeder lift tray or the delivery tray (option). Doing so may break the tray causing to drop the printer. This may lead to injury.



- Always hold the printer level and carry it slowly. If ink is spilled inside the printer while moving it, this could cause a fire or serious electrical shock or damage the printer.
- Before moving or shipping the printer, be sure to execute [Moving The Printer] or [Shipping The Printer] from the printer driver. Also when shipping the printer, set the protectors. Moving or Shipping the printer without taking necessary measures could cause ink leak inside the printer, resulting in a fire, electric shock, or printer failure.

■ Maintenance and Inspections

WARNING

- To avoid a fire hazard, occasionally disconnect the power cord from the printer and the power supply and use a soft dry cloth to clean the cord connectors and the connection points. Leaving the cord plugged in and not cleaned for a long period, especially in an area subject to dust, oil, and high humidity, could cause the insulation material to deteriorate.
- When cleaning the printer, do not use a flammable solvent (alcohol, thinner, etc.). If a flammable solvent is brought into contact with the parts inside the printer, a fire or electric shock could result.
- Check the power cord, power plug and AC adapter regularly. If the following conditions occur, contact the dealer, as the condition may cause a fire:
 - There are burn marks on the power plug.
 - The blade on the power plug is deformed or broken.
 - The power goes OFF and ON when the power cord is bent.
 - There are cuts, cracks, or indentations on the power cord.
 - The power cord or AC adapter becomes hot.
- Check the power cord and power plug regularly to make sure that they are not handled in the following manner, as this may result in a fire or electrical shock:
 - The connection part of the power plug is loose.
 - The power cord or AC adapter is under a heavy object.

- The power cord is subjected to stress, for example, it is pulled excessively or secured with staples.
- The power plug is loose.
- The power cord is tied in a bundle.
- The power cord protrudes into a walkway.
- The power cord or AC adapter is placed in front of heating appliance.

CAUTION

- Before cleaning the printer, be sure to turn it off and remove the power plug from the power outlet. Otherwise, a fire or electric shock could result.

Ink Tank and the Maintenance Cartridge

CAUTION

- Always store these items out of the reach of small children. This prevents accidents. If a child accidentally swallows ink, seek medical attention immediately.
- If ink gets into your eyes, wash it out with flowing water immediately. If irritation persists, consult a physician.
- If ink comes into contact with your skin, rinse it off with flowing water immediately. If irritation persists, consult a physician.
- Do not attempt to disassemble or modify the ink tanks. They contain ink, which may leak out and smear your clothes or things around you.

Other Warnings

WARNING

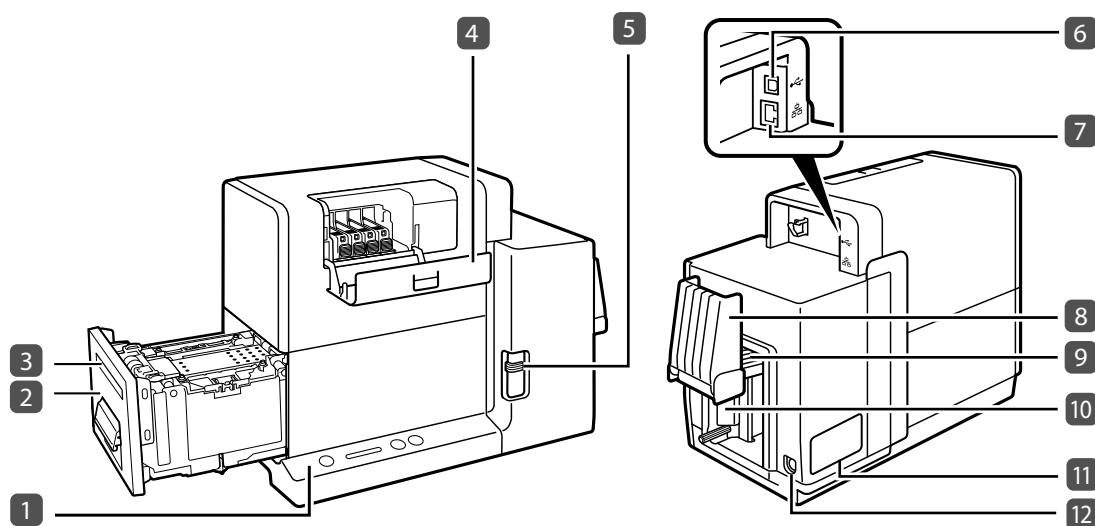
For cardiac pacemaker users:

This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please move away from the product and consult your doctor.

Names and Functions of Components

Names and functions of the components of this printer are described below.

External View



1 Operation Panel (P.14)

Keys for selecting printer operations and lamps indicating printer statuses are provided on this panel.

2 Transport Unit (P.13)

Pull out this unit when clearing paper jams or adjusting the paper guides.

3 Ejection Slot

Printed paper is ejected through this slot.

4 Ink Tank Cover

Open this cover when replacing ink tanks.

5 Paper Switch Lever

Switch the lever position according to the thickness of the paper to be set.

6 USB Connector

Connect a USB cable to this connector.

7 LAN Connector

Connect a LAN cable to this connector.

8 Auxiliary Tray

Open the tray to set paper. During use, keep the tray closed. When long sheets of paper (paper length of 157 mm or longer) is set, keep the tray open during use.

9 Feeder Lift Tray

Load the paper.

10 Side Guide

Adjust the position of this guide according to the paper width.

11 Rating Plate

A serial number for identifying the printer is indicated on this label.

(The serial number is required when repairing the printer or registering the warranty.)

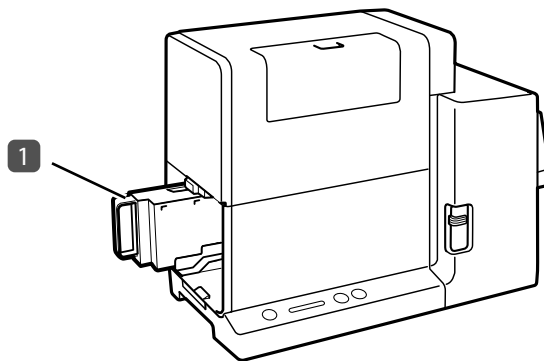
12 Power Socket

Connect the supplied AC adapter to this socket.

✓ IMPORTANT

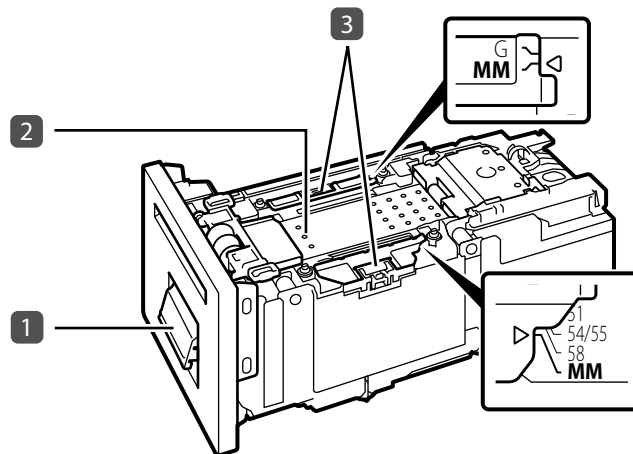
- While the printer is operating, do not open the ink tank cover or the transport unit lever. It could cause a printer failure.

Internal View

**1 Maintenance Cartridge**

Ink used to clean printhead is collected in this cartridge.

Transport Unit



1 Transport Unit Lever

Open this lever to pull out the transport unit.

2 Transport Belt

Transports paper here.

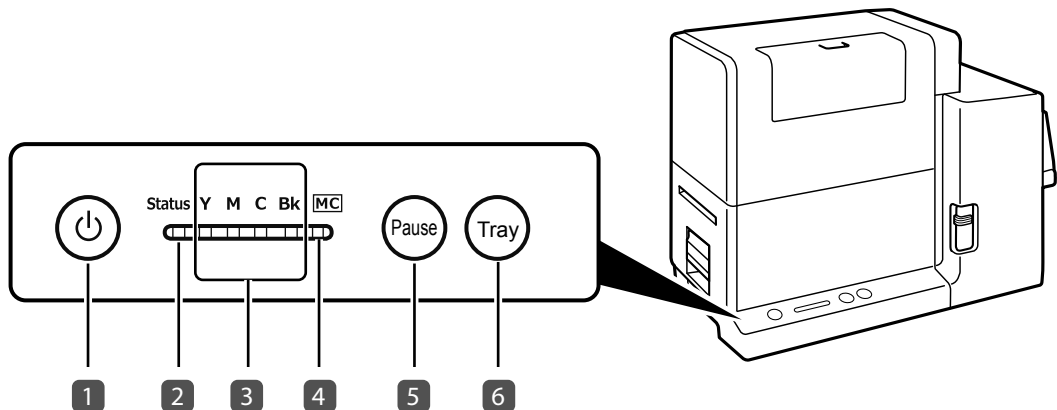
Clean the transport area when stained with paper dust and ink. For how to clean, refer to "Cleaning the Printer" (User's Guide).

3 Paper Guide

This guide holds the paper down to keep it from floating. Normally, set the lever to the MM position for use.

If the guide is stained with paper dust or ink, clean it. For how to clean, refer to "Cleaning the Printer" (User's Guide).

Operation Panel



1 Power Key/Lamp

Press this key to turn on/off the printer. This lamp lights up or blinks depending on the power supply status.

On: The printer is powered.

Blink: The printer is in sleep mode (power-saving mode).

Off: The printer is not powered.

2 Status Lamp

This lamp lights up or blinks green or orange.

Lit (green): Printing from the computer is possible (online mode).

Blink (green): The printer is processing or operating (printing, cleaning, etc.)

Lit (orange): An operator call error has occurred.

Blink (orange): A service call error has occurred.

Off: Instructions and print data cannot be received from the computer (offline mode).

3 Ink Lamps (Bk/C/M/Y)

Each lamp lights up or blinks when the corresponding ink tank is out of ink or short of ink.

Lit: The ink tank is out of ink or faulty.

Blink: The ink tank is short of ink.

Off: The ink tank is sufficient of ink.

4 Maintenance Cartridge Lamp

This lamp lights up or blinks when there remains a small or no maintenance cartridge space to collect ink.

Lit: The maintenance cartridge has no free space or it is faulty.

Blink: The maintenance cartridge has a small free space.

Off: The maintenance cartridge has a sufficient free space.

5 Pause Key

Press this key to switch between online and offline modes.

When printing is in progress, pressing this key stops printing temporarily. Pressing this key again resumes printing.



NOTE

- When the printer is in the sleep mode, the Status lamp, Ink Lamps, and Maintenance Cartridge Lamp stay off regardless of the statuses of the printer, ink tanks, and maintenance cartridge.

6 Tray Key

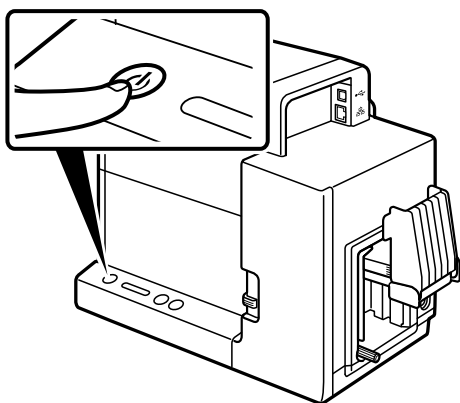
Use this key to move the feeder lift tray upward/downward.

Turning on/off Printer

Turn on/off the printer following the procedures described below.

Turning on the Printer

- 1 Press the Power key.



- The Status lamp blinks (green), and then lights up.

NOTE

- **About the Sleep Timer**

This printer is designed to enter the sleep state automatically if a predetermined time elapses without printing. By default, the time is set to 4 minutes.

For details of sleep timer setting, refer to "Managing the Power Settings" (User's Guide).

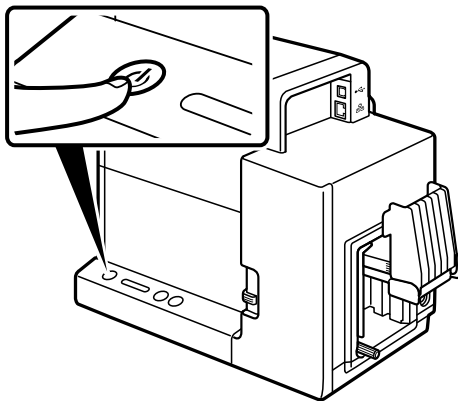
Turning off the Printer

1 Make sure the printer is not operating.

When the Status lamp is blinking (green), the printer is operating. Make sure the Status lamp lights up (green) before turning off the printer.

2 Press and hold the Power key until the Status lamp goes out.

When the Status lamp is off (offline mode or sleep mode), press and hold the Power key at least 1 second.



- When the Power lamp stops blinking, the printer is turned off.

✓ IMPORTANT

- When unplugging the power cord after turning off the printer, make sure the Power lamp is off.
- If the printer will not be used for a long period, disconnect the power cord, AC adapter, and interface cable.

📖 NOTE

• About the Off Timer

This printer is designed to be turned off if a predetermined time elapses without printing. By default, the time is set to 240 minutes.

For details of off timer setting, refer to "Managing the Power Settings" (User's Guide).

Setting Paper

The procedure of setting paper is described below.

✓ IMPORTANT

- Use the dedicated paper. Using other paper could cause blurred or faint printing or have a negative impact on the printer, resulting in a printer failure.

📖 NOTE

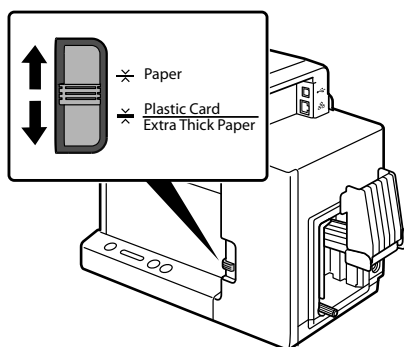
- Types of paper that can be used with this printer are as follows:
 - Matte Coated Paper
 - Glossy paper
 - Plastic card

For details of paper and how to get paper, contact the dealer.

1 Make sure the Power lamp is lit.

If the Power lamp is off, press the Power key to turn on the printer. (P.15)

2 Set the paper switch lever.



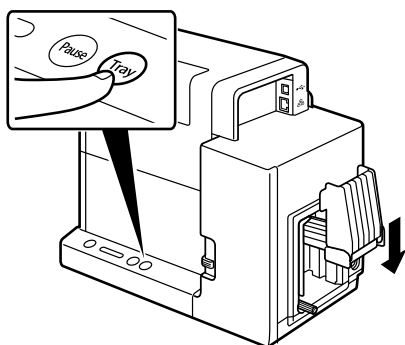
- Set the lever to the appropriate position according to the paper to be printed on.
Plastic card or Extra thick paper:
Set it to [Plastic Card/Extra Thick Paper]
Paper other than above:
Set it to [Paper]

✓ IMPORTANT

- Paper will not be fed properly if the paper switch lever is not in the appropriate position for the paper.

3 Lower the feeder lift tray.

If the feeder lift tray is already lowered, proceed to step **4**.



1. Press the Tray key.

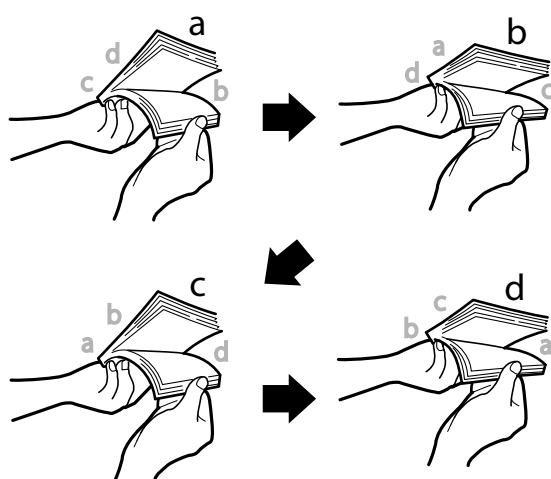
- Wait for the feeder lift tray to stop.

! CAUTION

- When the feeder lift tray is moving, do not touch it. Also, do not insert your hand or place objects below the tray. Doing so can cause injury or malfunction.

4 Prepare paper.

When using plastic cards, proceed to step 5.



1. Flip through the paper to separate the sheets.

- Setting the paper after flipping through it will prevent multiple sheets from being fed at once.
- Paper dust may be adhered to paper. As shown in the figure, flip through the four sides (a, b, c, and d) of the paper thoroughly to remove the dust.

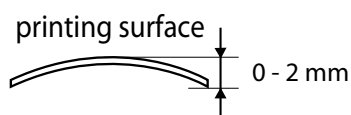
(Fig.1)

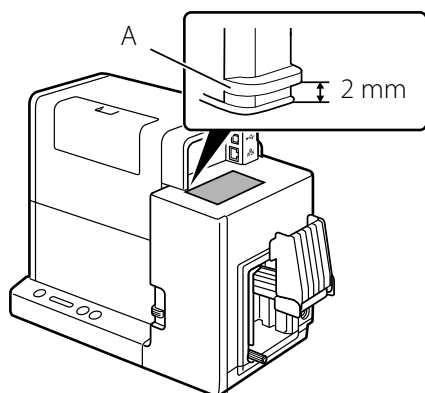


2. Check the paper curl.

- If the paper is curled, bend in the direction opposite to the curl in order to flatten it.
- As shown in the figure, if the paper is placed with the printing surface facing up and the paper is curled upward (Fig.1), fix the curl so that the paper is flat. Paper that is curled upward can cause paper jams or printing surface rubbing.
- If the paper is curled downward (Fig.2), flatten the paper so that the curl does not exceed 2 mm.

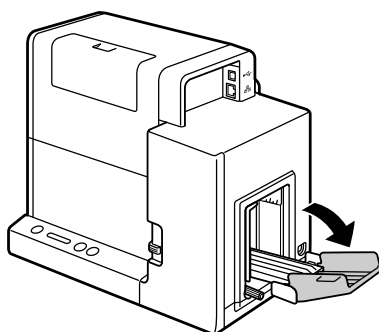
(Fig.2)



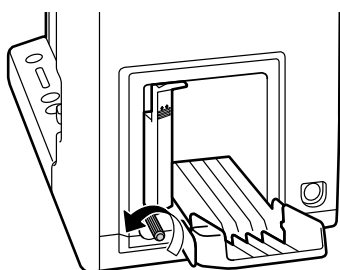


- It is possible to check the amount of curl in paper that is curled downward with the curl index (A).
When you place the paper with the printing surface facing down as shown in the figure, check that the index is not exceeded (the curl is 2 mm or less).

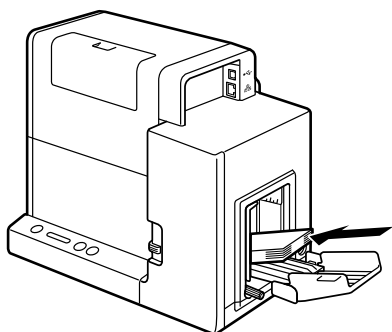
5 Set paper.



1. Open the auxiliary tray.
- If there is paper in the feeder slot, remove it.

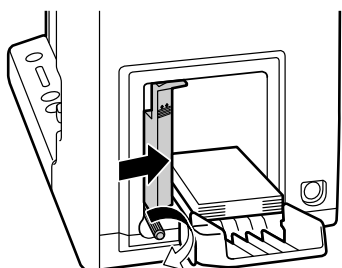


2. Loosen the side guide screw.
- When turn the screw too much, the screw will come off.

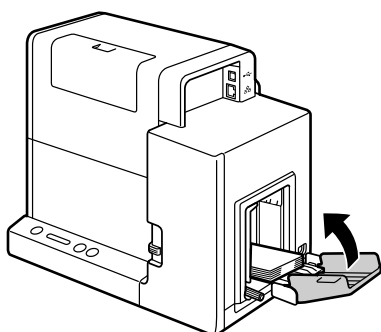


3. Set the paper so that the further edge touches the back of the feeder lift tray.

- Align the paper neatly before loading.
- If the paper has front and back sides, face the side that you want to print on up.
- If the side guides are too narrow, pull them outward and then set the paper.



4. Adjust the side guides to the paper edge, and secure them in place with the screw.

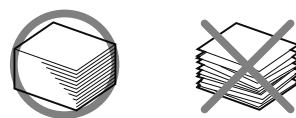


5. Close the auxiliary tray.

- For long sheets of paper (paper length of 157 mm or longer):
You do not need to close the auxiliary tray.

✓ IMPORTANT

- Align the edges before loading. Not doing so can cause paper jams.



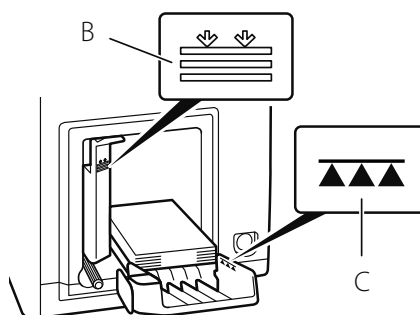
- Check that the height of the paper stack is not exceeding the load limit mark.

Paper length of 91 mm or less (Business Card, etc.):

Can be set up to the load limit mark (arrow) (B).

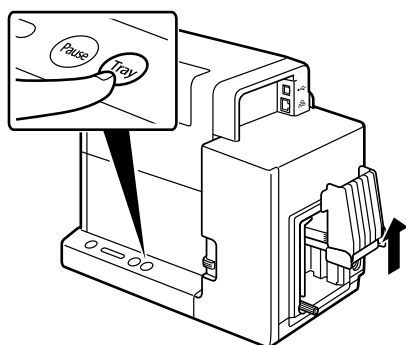
Paper length of 157 mm or longer:

Can be set up to the load limit mark (line) (C).



- If a paper feed error occurs, reduce the number of sheets loaded in the tray.
- If the paper is not touching the back of the feeder lift tray, the paper may not be fed properly.
- Fix the side guides in place so that they gently touch the edges of the paper. If they are set too tightly against the paper, the paper may not be fed properly.
- When changing the paper size, adjust the width of the side guides according to the width of the paper. If they are not set properly, the paper may not be fed properly.
- When setting a paper, close the auxiliary tray. However, when setting a long paper (paper length of 157 mm or longer) do not need to close it.
- When printing on long paper (paper length of 157 mm or longer), remove the printed paper frequently. Continuing to print without removing the printed paper can cause paper jams or printing failure.

6 Raise the feeder lift tray.



1. Press the TRAY key.

- Wait for the feeder lift tray to stop.
- If the power lamp is blinking, press the Power key to turn on the printer. (P.16)

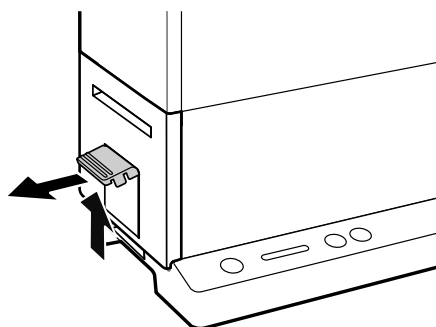
! CAUTION

- When the feeder lift tray is moving, do not touch it. Doing so can cause injury or malfunction.

✓ IMPORTANT

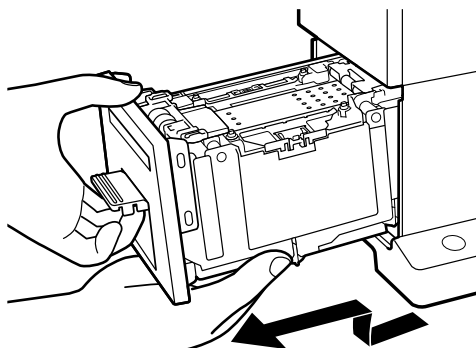
- Do not adjust the side guides after the tray has been raised. It can cause paper jams.

7 Check the paper guide positions.



1. Raise the transport unit lever, and pull the transport unit out.

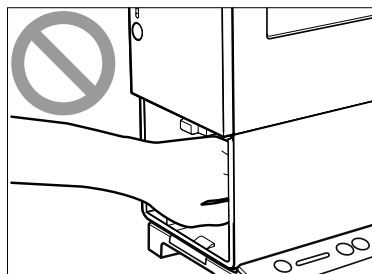
- If you are using the delivery tray (option), remove it.



2. Pull out the transport unit with both hands as shown in the figure.

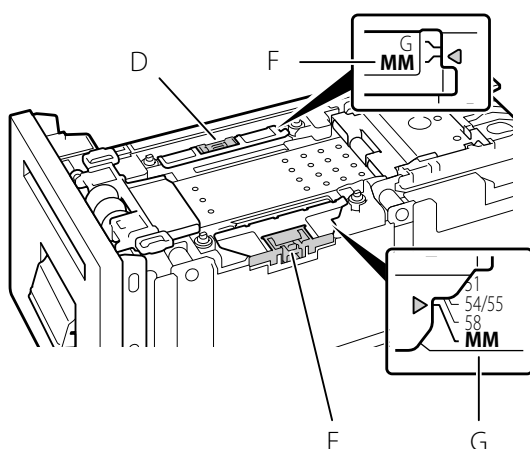
CAUTION

- When pulling the transport unit out of the printer, hold it firmly with both hands so that it does not fall.
- Do not put your hands into inside of the printer. Failures or physical injury could result. Further, your hands or clothing may get dirty with ink adhered inside of the printer.



IMPORTANT

- When pulling the transport unit out of the printer or inserting it in the printer, be careful not to hit it strongly against the table or shelf. The surface of the table or shelf could be damaged.

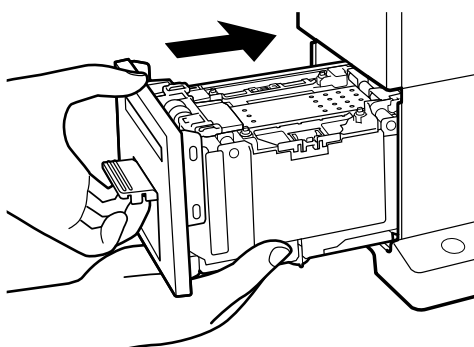


3. As shown in the figure, check that the paper guide is set to the MM position.

- While holding the paper guides (D and E) with your fingers, adjust them to the paper width indexes (F and G). For example, the figure on the left shows adjustment to guide position MM.

✓ IMPORTANT

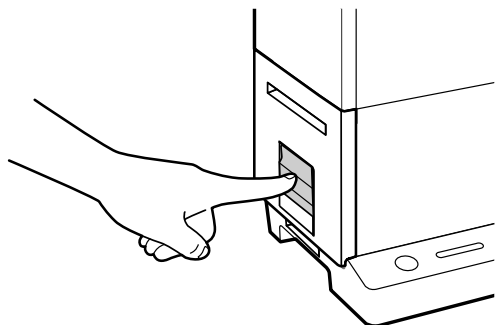
- When performing micro margin printing, be sure to set the paper guides to the MM position. Otherwise, the transport belt, paper guides, or other areas may be stained with ink. If stain occurs, clean the transport unit, refer to "Cleaning the Printer" (User's Guide).
- Normally, there is no need to set the paper guides to positions other than MM. You only need to adjust the paper guides to the paper width when paper jams or printing surface rubbing does not improve. (P.51)



4. Slowly insert the transport unit as far as it will go.

- As you do this, be careful not to touch the paper guides causing their positions to be changed.

5. Push the transport unit lever until it clicks.



CAUTION

- When returning the transport unit back inside the printer, be careful not to get your fingers caught between the transport unit and the inside body of the printer.

IMPORTANT

- If the printer will not be used for a long period, remove paper from the printer to prevent it from discoloring and curl. Put the removed paper in the supplied plastic bag or box, and store it in a place which is not exposed to high temperature, high humidity, and direct sunlight.
- It is recommended that unpacked paper be used up in the shortest time possible.
- If you change to paper of different type or size, change the printer driver setting. Printing on paper of a wrong size could stain the transport belt, paper guides, or other areas. If stain occurs, clean the transport unit, refer to "Cleaning the Printer" (User's Guide).
- Store the transport unit with it set in the printer.

How to Print

The basic printing procedure is described below.

Making Prints

This section explains how to micro margin printing using Business Card 55.0 x 91.0 mm Matte coated paper.



NOTE

- The micro margin printing is a function to print with a minimum margin (Top/Bottom/Left/Right: 0.3 mm).
- The printing procedure may be different depending on the application software you use. For more details, refer to the Instruction Manual that comes with your application software.
- Set the time that elapses before the computer enters the resting or sleep state to "No." The printer is designed to discard the data received from the computer when the computer returns from the resting or sleep state to the operating state.

To set the resting and sleep states of the computer, select [Control Panel] – [Power Options]. For more details, refer to the Instruction Manual for Windows.

-
- 1 In the application software, set the paper size of the document.



IMPORTANT

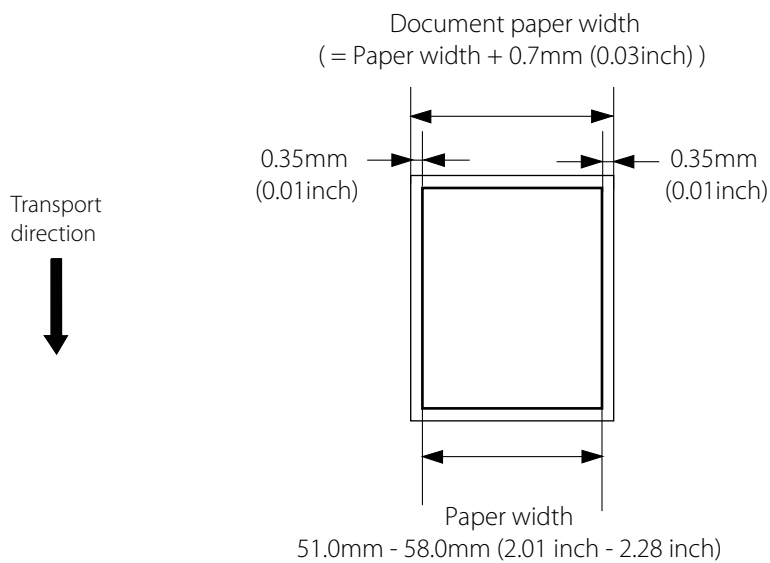
- For instructions on how to check the paper size specified in the printer driver, refer to the Instruction Manual that comes with your application software.
- If you can set the margin on your application software, set all margins to "0."

NOTE

- If the paper size cannot be obtained from the printer driver, follow the procedure below to set the document paper size. In micro margin printing, create the document larger than the actual paper size.

● Document paper width

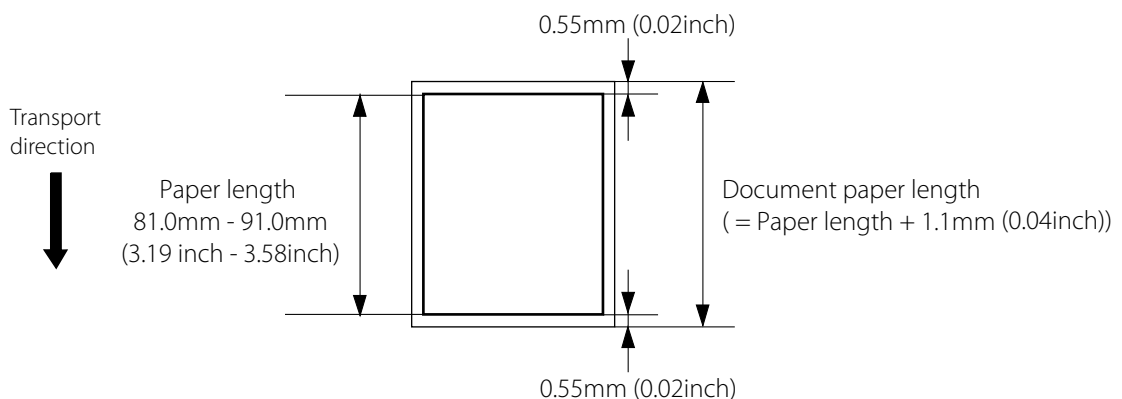
Set the paper width 0.7 mm (0.03 inch) wider than the actual width.



● Document paper length

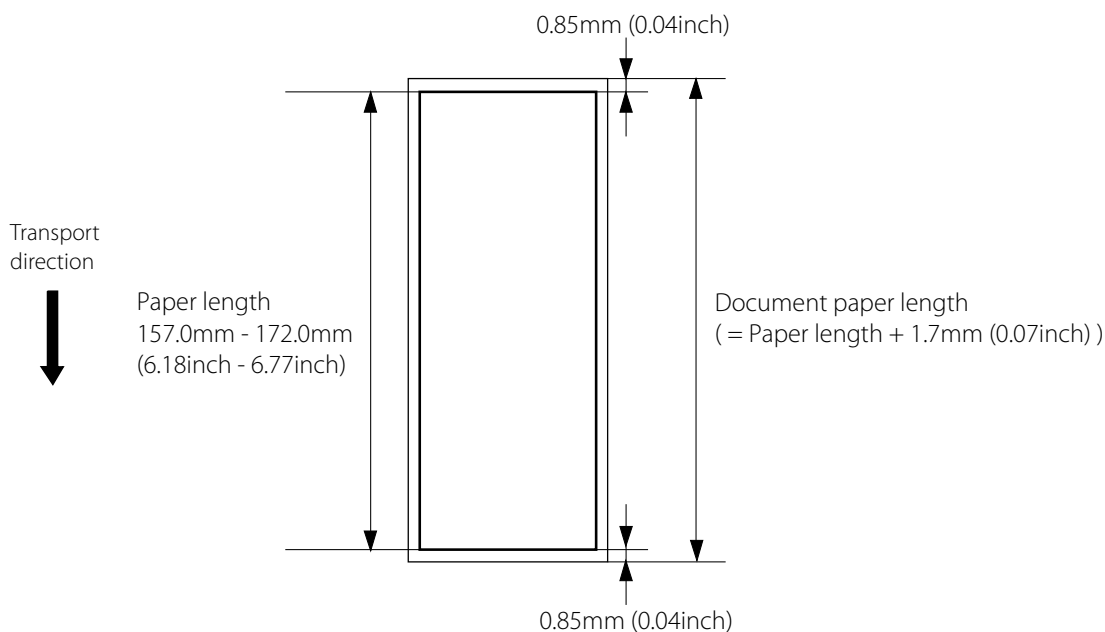
When the 81.0 mm - 91.0 mm:

Set the paper length 1.1 mm (0.04 inch) longer than the actual length.



When the 157.0 mm - 172.0 mm:

Set the paper length 1.7 mm (0.07 inch) longer than the actual length.



2 To the paper size, create a document.

✓ IMPORTANT

- Printing does not take place in the region outside the printing area, which is, by default, 0.3 mm (0.01 inch) smaller on all sides than the actual paper size.

3 Open the document you want to print and then the [Print] dialog box.

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

4 Open the printer driver setup window.

Select [Swiftcolor SCC-2000D], and then click [Preferences] or [Properties].

5 Set the paper size and type.



1. Select the paper size.

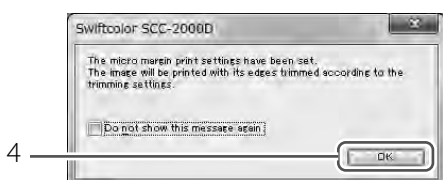
- Select [[X]Business Card(MM) 55.0 x 91.0 mm].

2. Select the paper type.

- Select [Matte].

3. Click [OK].

- A confirmation message appears.



4. Click [OK].

- Closing the printer properties window a displays message about the paper guide position. To prevent this message from being displayed, check the "Do not show this message again." check box and then click [OK].
- To allow this message to be displayed again, you need to reinstall the printer driver. For the printer driver installation procedure, refer to the "Setup Guide."

✓ IMPORTANT

- The mark in front of the paper size indicates the following. Select the paper size appropriate for the printing procedure.
 - [X] Paper size for micro margin printing (feature for printing with reduced margin)
 - [#] Paper size for micro margin printing on rounded corner paper
 - [] Paper size for normal printing

- Selecting a wrong paper size could stain the transport area and paper guides. For how to clean, refer to “Cleaning the Printer” (User’s Guide).

**NOTE**

- Selecting a wrong paper type could fail in making prints with the required level of quality.

6 Click [Print] in the [Print] dialog box.

Printing starts.

**IMPORTANT**

- While the printer is printing, keep the following precautions:
 - Do not open the ink tank cover and transport unit lever. It could cause a printer failure.
 - Do not give a shock or vibration to the printer. It could cause a paper jam or printing failure.
- Before starting printing, check that the paper set in the printer is the same as the paper set with the printer driver in terms of size, shape and type.
- Do not pull the paper during printing through the ejection slot. It could cause a printing failure.
- If the printer is turned off while it is operating (for example, the power plug or AC adapter is disconnected or a blackout occurs), do not draw out the transport unit immediately. Turn the printer on again before performing any operation. Drawing out the transport unit forcibly without turning the printer on again could cause a machine failure.
- If the application software and printer driver have the same setting items such as Paper Size, Orientation, and Copies, the settings made by the application software may be given priority.
- The print settings made by the application software are used only by this application software. To make print settings which can be commonly used by multiple application software, open the [Devices and Printers] folder. For more details, refer to “Configuring Print Settings” (User’s Guide).
- If the paper size you want to select is not found in the list, set the Custom Paper Size (or the Customize). For more details, refer to “Printing with the Paper Size Registered” (User’s Guide).
- Do not print outside the printable area of the dedicated paper.
- For details setting of micro margin printing, refer to “Setting Micro Margin Printing” (User’s Guide).

NOTE

- **Checking the Current Printing Status.**

The status monitor allows you to check the printing status.



[Number of Pages]

The number of the page currently being printed is displayed.

[Copies]

The progress of printing of each page is displayed.

For example, when the printer is set so as to print ten copies of a document consisting of three pages, "0001/0010" to "0010/0010" are displayed sequentially during printing of the first page. The progress bar shows the number of printed copies of each page.

[Total Copies]

The total number of copies which have been printed by the current job is displayed.

[Automatic Speed]

Whether the automatic speed function is turned ON or OFF is displayed.

[Print Speed]

The currently set print speed is displayed.

- **Displaying Help Topics**

Displaying help topics from the Settings screen of the printer driver allows you to read descriptions of functions and setting procedure.

- To read detailed descriptions of functions and setting procedure

When you want to read detailed description of printer driver functions and setting procedure, click [Help] on the Settings screen of the printer driver.

- To read the description of a setting item

Right-click on the character string of the setting item, and then click [Help].

Cancelling Printing

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



NOTE

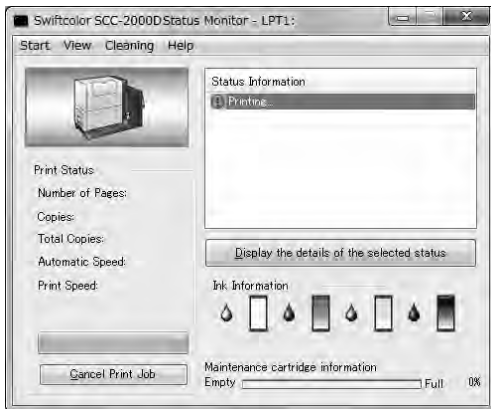
- **Stopping Printing Temporarily**

To stop printing temporarily, press the Pause key on the operation panel.

- Besides the status monitor, you can cancel printing from the Print Queue window (a window in which print data order is registered). For more details, refer to the Instruction Manual for Windows.

Checking the Printer Status

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



NOTE

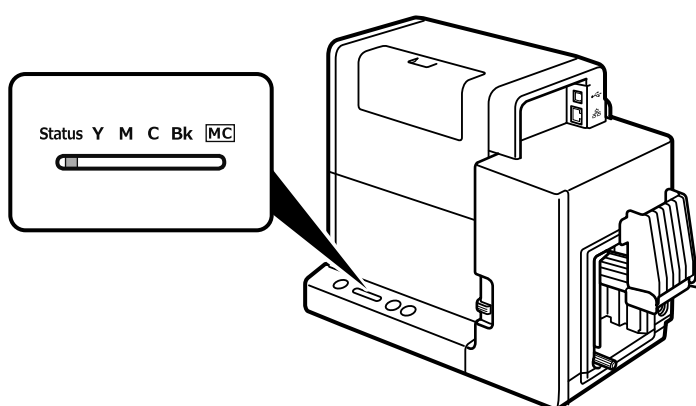
- Select the message displayed in the [Status Information] field, and then click [Display details of selected status]. Another screen opens, allowing you to know details of the message and the error handling instruction. For details of the error and warning messages displayed on the status monitor, refer to "List of Error Messages/Warning Messages" (User's Guide).
- By default, the status monitor automatically appears when printing starts. For how to activate the status monitor and make display settings, refer to "Checking the Printer Status" (User's Guide).
- When an error occurs, the status monitor pops up automatically.

Troubleshooting

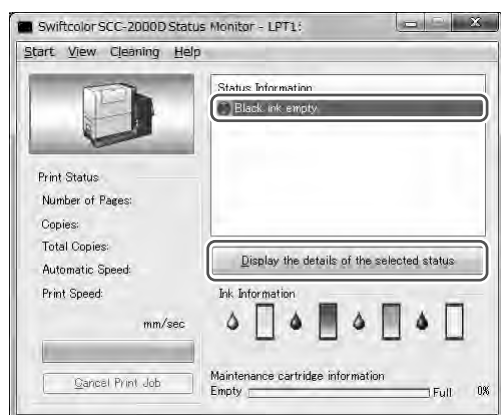
Here are explanations of actions required for dealing with problems that occur while using this printer. If problems persist after trying these procedures, contact the dealer.

Status Lamp Lights up Orange

When an error occurs in the printer requiring actions the Status Lamp of the Operation Panel will light up orange (operator call error).



The error details and actions required can be confirmed with the Status Monitor. After selecting the message in [Status Information], click [Display the details of the selected status] (Alternatively, double-click the message of the [Status Information]).

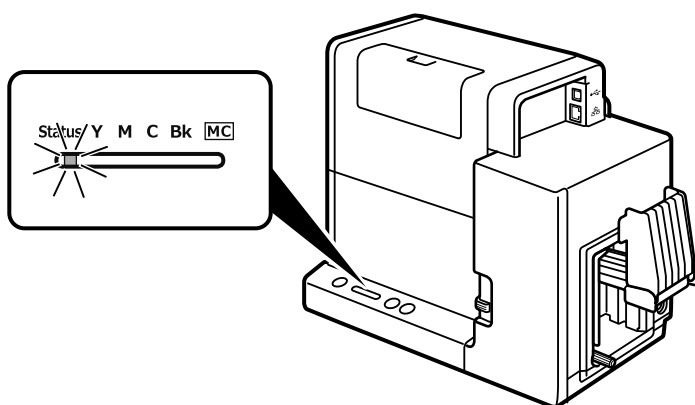


IMPORTANT

- For information on the details of the messages displayed on the Status Monitor and how to deal with errors, refer to “List of Error Messages/Warning Messages” (User’s Guide).
- When error messages are displayed, the printer will automatically go offline.
Depending on the type of error, even after handling the error, there are cases where it will not go online automatically. In this case, press the pause key and bring it online.
- If multiple errors occur simultaneously, the errors will be shown in order from the importance. Handle all of the errors.

Status Lamp Is Flashing Orange

When an error occurs in the printer and normal operation is not possible, the Status Lamp of the Operation Panel will flash orange (service call error).



Handle accordingly:

- 1 Turn off the printer. (P.16)
- 2 After the Power Lamp goes off, turn the power on again. (P.15)

If an error occurs after turning on the power again, contact the dealer.

When contacting, inform them of the error number (4 digits) displayed on the Status Monitor.

Power Does not Turn on

Points to Confirm	Solution
Is the AC adapter and power cord properly connected?	After confirming that the AC adapter and power cord are properly connected, insert the power plug firmly into the power outlet.
Is the power outlet supplying electricity?	Try plugging in other electric appliances. If it works properly, a printer failure is possible. Contact the dealer.

Printing Does not Start/Complete

Points to Confirm	Solution
Did an error occur?	Double-click the message of the [Status Information] displayed on the Status Monitor and operate according to the directions given.
Is it connected with the computer?	Connect the computer and the printer correctly with the interface cable.
Is the printer for printing correctly selected?	Select the printer to be used with the [Printing] dialog box.
Are you printing something such as a large image?	If the Status Lamp (green) is flashing, the data is still being processed. stand by.
Are you printing for long period?	When printing for long period the print head temperature will rise. To protect the head, printing operations will be interrupted. After a while printing will resume.

Points to Confirm	Solution
Are the port settings correct?	Confirm the port settings with the following steps: 1. Click on [Devices and printers] from the Windows [Start] menu. For Windows 8: Move the pointer to the top right or lower right corner of the screen to show the "charm bar" and tap or click [Settings], [Control Panel], [Hardware and Sound], and [Devices and Printers] in order. 2. Right-click the printer icon and select [Printer Properties]. The properties window will appear. 3. 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 : SCnnnnnn ("nnnnnn" represents numbers) If the setting is incorrect, set it again correctly. If the port to be used is not available, uninstall the printer driver and install them again. 4. 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 is installed on the same network according to the next steps: (Confirming the IP address) 1. Confirm this printer's IP address. Start the network utility. When the network utility starts, the printer used will be detected and the configured IP address will be displayed 2. Confirm this computer's IP address. 1) Enter "cmd" in the "Search programs and files" of the [Start] menu. For Windows 8: Move the pointer to the upper right corner (or lower right corner) of the Windows start screen to display the "charm bar" and enter "cmd" into [Search]. 2) In the window started, enter "ipconfig/all". 3) After confirming the IP address, close the screen.

	As a result of confirming the IP addresses, if the printer and computer are not on the same network, it is necessary to change the printer's IP address according to the following steps and add a new port. (Changing the printer's IP address) Start the network utility and change this printer's IP address. (Adding a new port) 1. Click [printers and devices] from the Windows [Start] menu. For Windows 8: Move the pointer to the top right or lower right corner of the screen to show the "charm bar" and tap or click [Settings], [Control Panel], [Hardware and Sound], and [Devices and Printers] in order. 2. Right-click the printer icon and select [Printer Properties]. The properties window will appear. 3. Click on the [Ports] tab and click [Add port]. 4. Select [CIPN Port] and click [New Port...]. The [CIPN Port] dialog box will be displayed. 5. Click [Search for Printers]. This printer will appear in [List of Printers]. If this printer is not displayed, click [Specify range of search] and search for the IP address. 6. Enter the new port name in the [destination name]. 7. Click [OK].
Is the test pattern printed?	From [Utility] sheet of the printer driver, try performing the print out of a head position adjustment pattern or print the configured values. 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.

Points to Confirm	Solution
Is the computer's configuration for suspend or sleep state set to something other than "none"?	Configure the time value that the computer goes into suspend or sleep to "none". When the computer resumes operation from suspend or sleep, data sent from the computer will be discarded. The time value for the computer's suspend or sleep condition is configured in the [Power Supply Options] of the [Control Panel].
Is "no ink" displayed even though an ink tank with remaining volume is set?	Set the ink tank again.

Paper Does not Feed Properly

Points to Confirm	Solution
Is the dedicated paper being used?	Use dedicated paper. Do not use paper other than dedicated paper. It can cause paper jams and malfunctions.
Is the paper switch lever set properly?	Check that the paper switch lever is set to the appropriate position according to the paper to be printed on. (P.18)
Is the paper leading edge folded or is the paper curled?	If the paper leading edge is folded or the paper is curled, the paper will not feed properly. Also, it can cause paper jams and malfunctions.
	Flatten the paper so that the curl. If the paper cannot be flattened, adjust the paper guides to the paper width, and then print. (P.51)
Is the label's adhesive loose?	Do not use paper when the labels are loose. It can cause malfunctions.
Are the paper guides set properly?	Check that the paper guides are set to the MM position. (P.26)
	If the paper guides are adjusted to the paper width, check that the guides are set properly. If the paper guides are set narrower than the width of the set paper, paper jams could result. (P.51)

Points to Confirm	Solution
Is the transport unit or pick-up roller stained?	If the transport unit or pick-up roller is stained with paper dust or ink, paper jams are more likely to occur. Clean them regularly. Refer to "Cleaning the Printer" (User's Guide).
Is the maximum number of sheets that can be set exceeded?	Check the maximum number of sheets. (P.23)

Improving the Print Quality

Condition	Solution
Streaks appears in the print result.	Confirm that the paper set (size, shape, and type) matches the paper (size, shape, and type) configured by the application software or printer driver.
	Set the resolution to [Input resolution 1200dpi] (prioritize image quality) and then print. Refer to "Changing the Print Quality and Adjusting the Color" (User's Guide).
There are areas missing and shown white in the printed results.	Confirm that the paper set (size, shape, and type) matches the paper (size, shape, and type) configured by the application software or printer driver.
	Clean the printhead. Refer to "Cleaning the Printhead" (User's Guide).
The printing is blurred.	Confirm that the paper set (size, shape, and type) matches the paper (size, shape, and type) configured by the application software or printer driver.
	Clean the printhead. Refer to "Cleaning the Printhead" (User's Guide).

Condition	Solution
The color deviation appears in the print result.	Confirm that the paper set (size, shape, and type) that displays color deviation matches the paper (size, shape, and type) configured by the application software or printer driver is the same.
	Adjust the position of the printhead. Refer to "Adjusting the Printhead Position" (User's Guide).
	Set the resolution to [Input resolution 1200dpi] (prioritize image quality) and then print Refer to "Changing the Print Quality and Adjusting the Color" (User's Guide).
	If you have several printers, check that you have not changed the printer and transport unit combinations. Because accurate adjustments are made between each printer and its transport unit, it is not possible to use a transport unit of another printer.
The halftone representation is coarse.	Open [Color] sheet of the printer driver, and set the [Half-tone] to [Error Diffusion] Refer to "Changing the Print Quality and Adjusting the Color" (User's Guide).
The area around characters or the layer areas appear uneven.	Open the printer driver's [Color] sheet and set the [Half-tone] to [Error Diffusion]. Refer to "Changing the Print Quality and Adjusting the Color" (User's Guide).
	Confirm that the paper set (size, shape, and type) matches the paper (size, shape, and type) configured by the application software or printer driver.
During micro margin printing, the print position and margins are off alignment.	Adjust the print position and trimming position for micro margin printing. Refer to "Setting Micro Margin Printing" (User's Guide).
	If you have several printers, check that you have not changed the printer and transport unit combinations. Because accurate adjustments are made between each printer and its transport unit, it is not possible to use a transport unit of another printer.

Condition	Solution
Overall appearance of the printed output is not satisfactory.	Use dedicated paper. When paper other than dedicated paper is used the print quality may diminish. Also, it may cause paper jams and malfunctions.
	Confirm that the paper set (size, shape, and type) matches the paper (size, shape, and type) configured by the application software or printer driver.
	Set the resolution to [Input resolution 1200dpi] (prioritize image quality) and then print Refer to "Changing the Print Quality and Adjusting the Color" (User's Guide).
Printed paper is wavy and rubbing marks are left on the paper.	Confirm that the paper set (size, shape, and type) matches the paper (size, shape, and type) configured by the application software or printer driver.
	Flatten the paper so that the curl. If the paper cannot be flattened, adjust the paper guides to the paper width, and then print. (P.51)
The color printed differs from the color on screen.	Open [Color] sheet of the printer driver, and adjust the settings for image quality and color. Refer to "Changing the Print Quality and Adjusting the Color" (User's Guide).
	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.

Condition	Solution
The back side of the paper gets dirty.	Printing on paper of a wrong size could stain the transport belt, paper guides, or other areas. Confirm that the size of the set paper and the [Paper Size] configured by the application software or printer driver are the same. If the transport belt, paper guides, or other areas are stained, clean the transport unit. Refer to "Cleaning the Printer" (User's Guide).
	Open [Utility] sheet of the printer driver and print after setting [Reduce smudge on media edge] from [Special Settings]. Refer to "Changing the Special Settings of the Printer" (User's Guide).
	The paper may be curled. Flatten the paper. If the paper cannot be flattened, adjust the paper guides to the paper width, and then print. (P.51)
	The sheets may be stacked before the printed surface is dry. Open [Utility] sheet of the printer driver, and enable [Print&Hold Mode] in [Special Settings]. This will stop the paper at the ejection slot one sheet at a time. Refer to "Changing the Special Settings of the Printer" (User's Guide).
The margin of the printed result is too small or large	Configure the paper size set by the application software or printer driver as follows: When the margin is small or When images on the edge of the paper are missing: Decrease the [Paper Length] and adjust the image according to the paper size changed. Also, if images on the edge of the paper are missing, confirm that the transport area is clean before printing. If stained, clean the transport unit. Refer to "Cleaning the Printer" (User's Guide). When the margin is large: Increase the [Paper Length] and adjust the image according to the paper size changed.

Paper Is Jammed

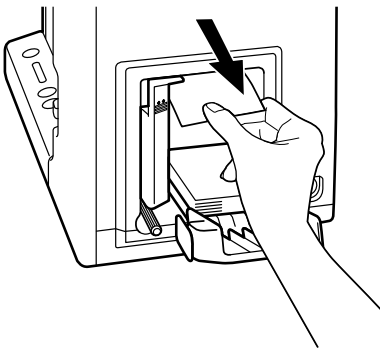
When a paper jam occurs during printing, the printing is interrupted and the Status Monitor will display an error message such as "Paper jam #****" (where **** is a number).

Remove the paper jam according to the following steps:

✓ IMPORTANT

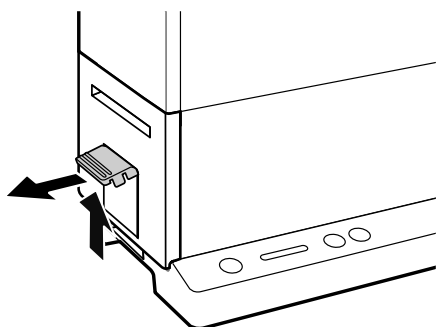
- Use the dedicated paper. When paper that is not compatible is used, blurring or bleeding may occur and it may adversely affect the printer, causing malfunctions.
- If the paper leading edge is folded or the paper is curled, paper jams may occur.

1 Check the feeder slot.



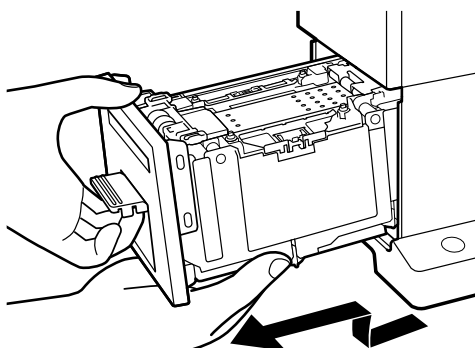
- If paper is jammed, remove it.

2 Check the transport unit.



1. Raise the transport unit lever, and pull the transport unit out.

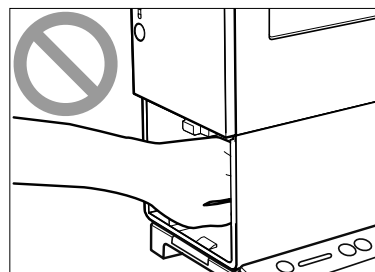
- If you are using the delivery tray (option), remove it.



2. Pull out the transport unit with both hands as shown in the figure.

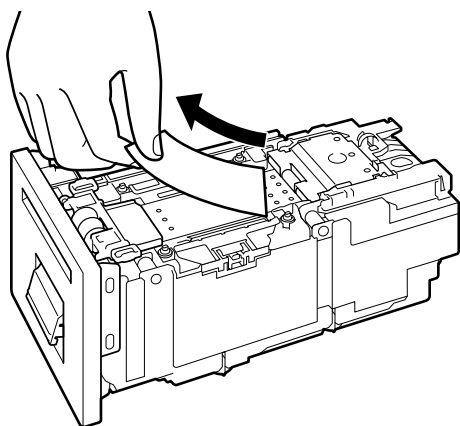
CAUTION

- When pulling the transport unit out of the printer, hold it firmly with both hands so that it does not fall.
- Do not put your hands into inside of the printer. Failures or physical injury could result. Further, your hands or clothing may get dirty with ink adhered inside of the printer.

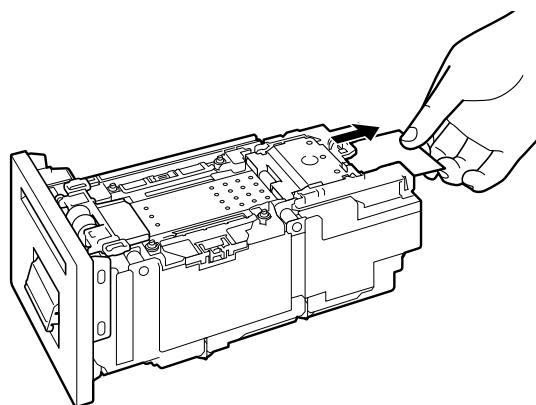


✓ IMPORTANT

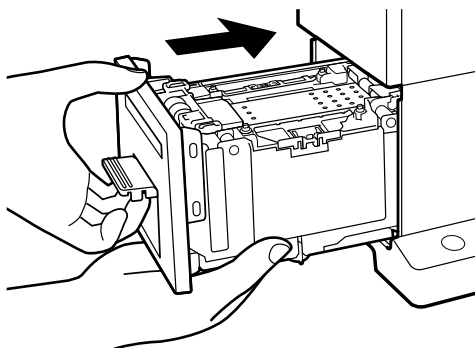
- When pulling the transport unit out of the printer or inserting it in the printer, be careful not to hit it strongly against the table or shelf. The surface of the table or shelf could be damaged.



3. Remove the jammed paper from the transport unit



- Check that the paper is not jammed further in the transport unit. If paper is jammed, remove it.

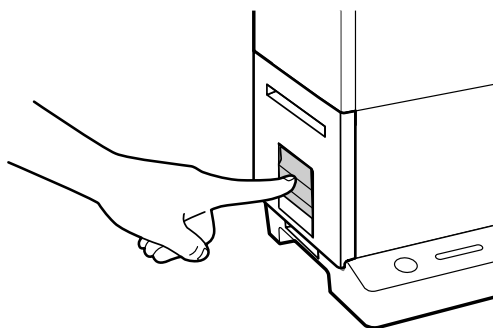


4. Slowly insert the transport unit as far as it will go.

- As you do this, be careful not to touch the paper guides causing their positions to be changed.

5. Push the transport unit lever until it clicks.

- To cancel the printing, click on [Cancel Print Job] on the Status Monitor.



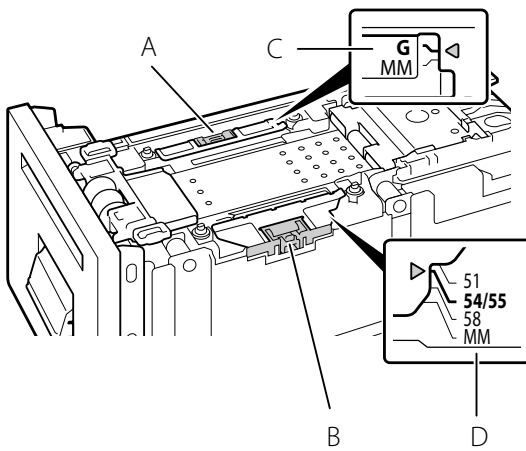
CAUTION

- When returning the transport unit back inside the printer, be careful not to get your fingers caught between the transport unit and the inside body of the printer.

✓ IMPORTANT

• **If paper jams or printing surface rubbing does not improve**

Adjust the paper guides to the paper width. However, when the paper guides are adjusted to the paper width, micro margin printing is not possible.



1. While holding the paper guide (A) with your fingers, adjust it to G of the index (C).

● When setting paper guide (B) to a position other than MM, adjust paper guide (A) to G of the index (C).

2. While holding the paper guide (B) with your fingers, adjust it to the paper width index (D). For example, the figure on the left shows adjustment to guide position 54.0 mm/55.0 mm.

- When the paper guides are adjusted to the paper width, be careful of the following points.
 - When the paper guides are adjusted to the paper width, micro margin printing is not possible.
 - When performing micro margin printing, be sure to set the paper guides to the MM position. Otherwise, the transport belt, paper guides, or other areas may be stained with ink. If stain occurs, clean the transport unit, refer to “Cleaning the Printer” (User’s Guide).
 - When you change the size of the set paper, reset the paper guides. If the paper guides are set narrower than the paper width, paper jams could result.
- For dedicated paper, set the paper guide to the position shown in “Table 1: Guide positions of paper.”

Table 1: Guide positions of paper

Paper name	Guide position (mm)
Buisness Card 55.0 x 91.0 mm	54/55
Buisness Card US 51.0 x 89.0 mm	51
Card CR80 Paper 54.0 x 85.6 mm	54/55
Card CR80 Plastic 54.0 x 85.6 mm	54/55
Card2 58.0 x 81.0 mm	58
Card 55.0 x 172.0 mm	54/55

The paper guides cannot be used for paper whose width is not 51 mm, 54 mm, 55 mm, or 58 mm. For paper that cannot use the paper guides, fix the curl.

Specifications

■ Printer

Product name	SCC-2000D
Printing method	Inkjet
Print colors	Full color
Output resolution	1200dpi x 1200dpi
Printing speed	Business Card/Plastic Card: 50 sheets/min. Card (Length 157 mm or more): 25 sheets/min.
Transport speed	Auto mode: 160, 120, 80 mm/sec (Speed changes automatically) Manual mode: 160, 120, 80 mm/sec
Printable area	57.4 mm (W) x 171.4 mm (L)
Print margin (in relation to paper transport direction)	Top/Bottom: 0.3 mm, Left/Right: 0.3 mm ^{*1} (Micro margin printing) When the paper guides are adjusted to the paper width: Top/Bottom: 1.5 mm, Left/Right: 2.0 mm
Printhead	2766 nozzles for each color (effective nozzles)
Ink used	Water based dye ink Yellow (Y), Magenta (M), Cyan (C), and Black (Bk)
Interface	Hi-Speed USB, 1000BASE-T/100BASE-TX/10BASE-T
Operating noise	Approx. 58 dB (A) or less
Installation environment	Temperature: 15 degrees Celsius - 30 degrees Celsius Humidity: 10% - 80% (no condensation)
Power supply (AC adapter used)	AC100-240V, 50/60Hz
Power consumption	Maximum power consumption: Approx. 150 W Sleep mode: Approx. 5.6 W or less
Dimensions (W x D x H)	391 mm x 180 mm x 279 mm
Weight	Approx. 8 kg (without ink tank)

^{*1} When margins are off alignment, adjust the print trimming position for micro margin printing.
Refer to "Adjusting the Trimming Position" (User's Guide).

- This printer employs a dye ink system. The colors in printouts may deteriorate due to chemical reactions caused by exposure to normal infrared light, nitrous or sulfuric fumes and other oxidizing chemicals in the air.
- To conserve the consumption of printing paper, the printer can print on the reverse side. To print on both sides of paper, use paper suited for duplex printing.

■ Paper

Paper	Dedicated paper (matte coated paper, glossy paper, plastic card)
Paper size	51.0 mm - 58.0 mm (W) 81.0 mm - 91.0 mm, 157.0 mm - 172.0 mm (L)
Paper thickness	0.21 mm - 0.76 mm
Deck capacity	Business Card (thickness 0.245 mm): 250 sheets Extra thick paper(thickness 0.76 mm)/Plastic Card: 80 sheets Card (Length 157 mm or more, thickness 0.245 mm): 50 sheets
Stacking capacity (delivery tray (option) used)	Business Card (thickness 0.245 mm): 250 sheets



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