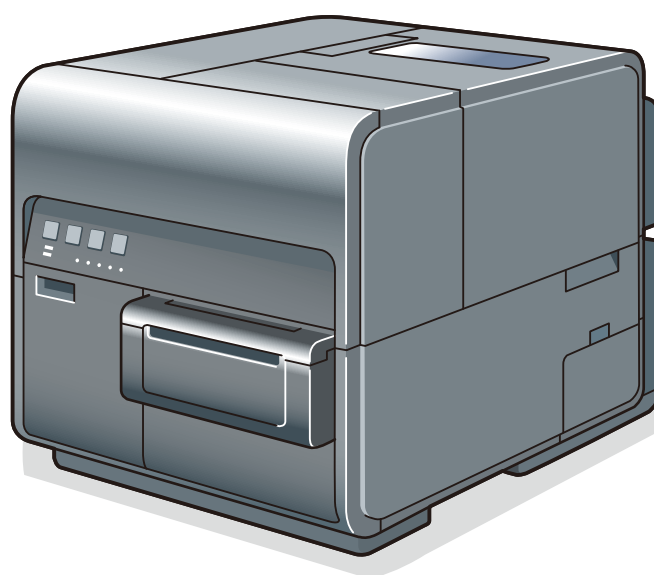


*swiftcolor*TM
SCL-4000D
SCL-4000P

USER'S GUIDE



How to Use This Guide & CD-ROM

Start Guide

You should read this start guide first if this is the first time you are using this printer.

The Start Guide describes precautions for using the printer safely and shows you how to prepare the printer (software installation, etc.) before you use it.

Printer Software (Provided on the CD-ROM)

The CD-ROM contains a printer driver, User's Guide.

■ Printer Driver

The printer driver is the software for using this product under Windows 7/Windows Vista/Windows XP.

■ User's Guide

This electronic manual describes the basic procedures for using the printer. Specifically, the User's Guide explains the basic print procedures, how to maintain the printer, how to troubleshoot problems, and describes all the features of the printer and printer driver.

You can find and display desired information in accordance with the Contents and Index.

To view the User's Guide, Adobe Reader/Adobe Acrobat Reader is required.

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

Help Functions

In addition to the Start Guide and the User's Guide, the printer driver provides online Help to find answers to questions about printer features and operations and how to troubleshoot problems while you are using the printer driver.

Click the Help button on the printer driver screens or in the menu bar to open online Help.

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Before You Begin

Thank you for purchasing the Swiftcolor SCL-4000D(Dye model) / SCL-4000P(Pigment model).

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

The following marks are used in this guide.



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.



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.



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.



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.

Illustrations and Sample Screens

The illustrations and the sample screens of the printer driver settings in this guide are created with Swiftcolor SCL-4000D in Windows 7.

The contents of these printer driver screens and instructions are essentially the same as those for Swiftcolor SCL-4000P, Windows Vista and Windows XP; however, explanations are provided when there are minor differences in screen content or procedures.

Trademarks

- Microsoft and Windows are trademarks of Microsoft Corporation in the United States and/or other countries.
- Adobe and the Adobe logo are trademarks of Adobe Systems, Inc.
- 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 Vista is abbreviated as “Windows Vista”
- Microsoft Windows XP is abbreviated as “Windows XP”
- 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

SCL-4000D (Dye model)

SCL-4000P (Pigment model)

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.

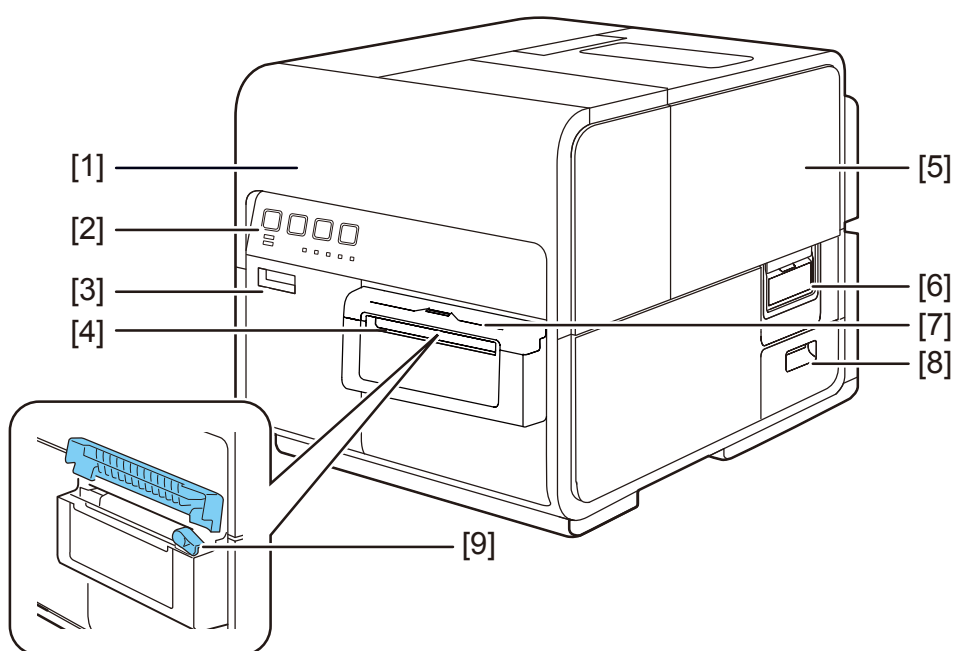
1. Before Using the Printer

This section describes how to prepare the printer and procedures you should know before you use the printer.

1-1 Printer Part Names and Functions

The name and function of each part is described below.

1-1-1. Front View



- [1] Upper Unit
Open this unit when setting paper or removing the paper jammed in the paper feed path or cleaning inside of the machine. Holds the printhead.
- [2] Operation panel
Keys necessary for operation and lamps to indicate the state of printer are provided on this panel.
- [3] Ink tank door
Open this door when replacing ink tanks.
- [4] Paper delivery slot
Paper is ejected through this slot.

1. Before Using the Printer

[5] Roll cover

This cover protects the roll paper feeder.

[6] Roll cover handle

Use this handle to open the roll cover.

[7] Cutter cover

Open this cover when using the manual cutter.

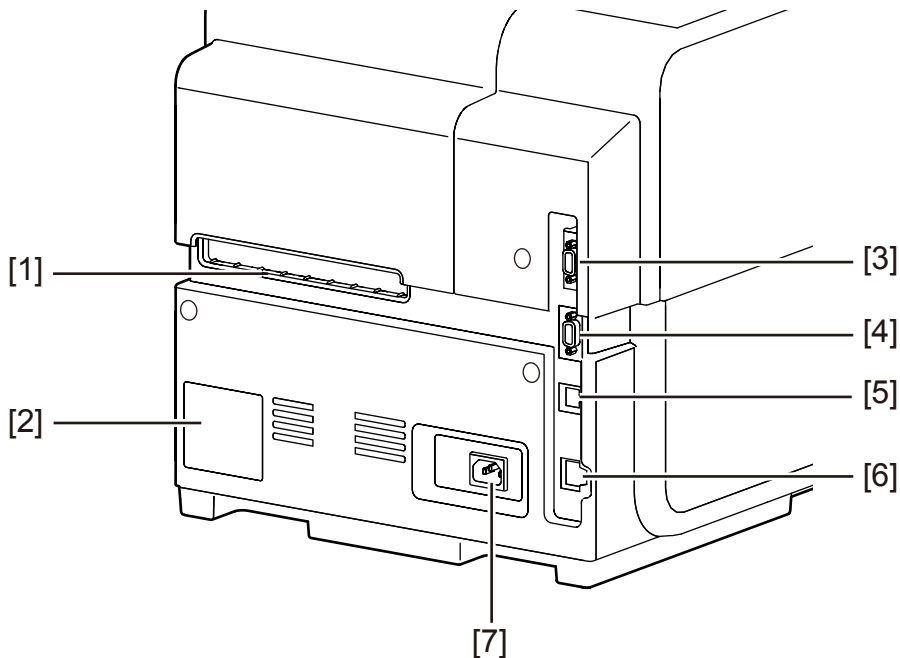
[8] Maintenance cartridge door

Open this door when replacing the maintenance cartridge.

[9] Manual cutter

Use this cutter to cut the ejected paper manually

1-1-2. Rear View



[1] Rear feeder slot

This slot is used to feed fanfold paper.

[2] Rating plate

A serial number for identifying the printer is shown on this plate. (The serial number is required when you ask for repair of the printer or register yourself as a user.)

[3] RS232C port

Connect a barcode reader to this port.

[4] RS232C port

This is an extended interface for connecting an external unit.

[5] USB port

Connect a USB cable here to connect to the computer.

[6] LAN port

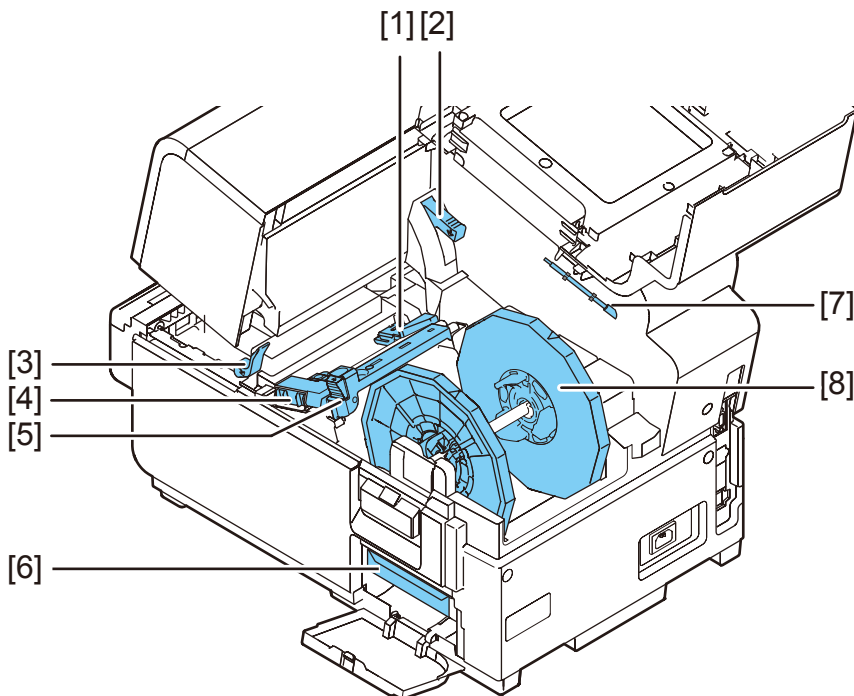
Connect a LAN cable here to connect to the computer.

[7] Power Socket

Connect the power cord here.

1. Before Using the Printer

1-1-3. Inside the Printer



[1] Transport Guide (Left)

This is a fixed guide for transporting paper straight.

[2] Upper unit open lever

Push this lever up to open the upper unit.

[3] Jam release lever

Pull down this lever when paper is jammed.

[4] Transport Guide (Right)

This guide is used to transport paper straight and detect the width of paper.

[5] Paper Guide

This guide prevents paper from floating.

[6] Maintenance cartridge

Ink used to clean the printhead is collected here.

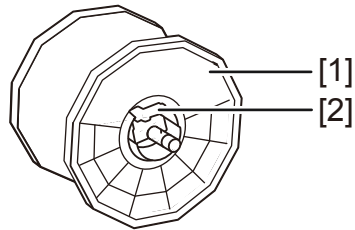
[7] Cleaning stick

Use this cleaning stick when cleaning the transport section.

[8] Roll holder

This holder is used to set paper.

1-1-4. Roll Holder



[1] Holder Stopper

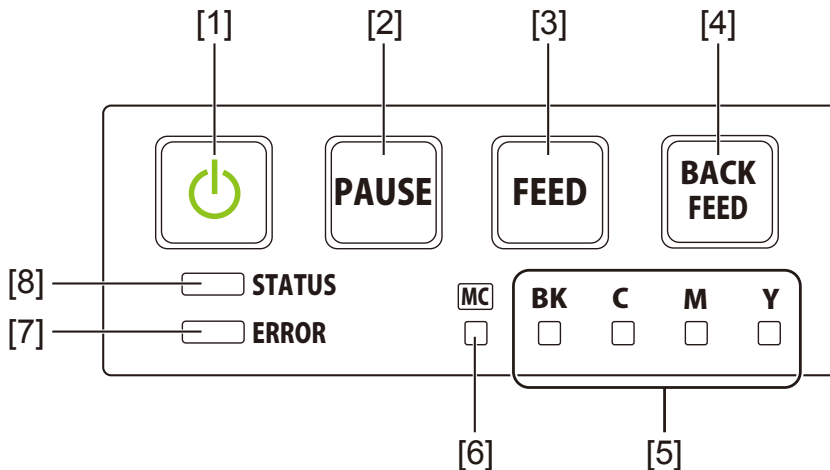
This stopper prevents paper from being removed.

[2] Holder stopper lock/release lever

This lever is used to release the holder stopper. Push this lever when attaching or detaching the holder stopper.

1. Before Using the Printer

1-1-5. Operation Panel



[1] Power key/lamp

On	Power-on.
Blinking	Sleep mode.
Off	Power-off.

[2] PAUSE key

Printing	Pressing this key suspends printing.
in pause	Pressing this key restarts printing.

[3] FEED key

Pressing this key in the offline mode feeds paper.

[4] BACK FEED key

Pressing this key feeds paper one page backward. Pressing and holding this key feeds paper backward continuously. (The possible Back Feed length is 300mm or less (accumulated total))

[5] Ink Warning lamp

On	No ink or tank.
Blinking	Low ink.
Off	Sufficient ink.

[6] Maintenance Cartridge Warning lamp

On	Full.
Blinking	Nearly full.
Off	Sufficient room to collect ink.

[7] ERROR lamp

On	Operator-call error. (Check the status monitor on the computer.)
Blinking	Fatal error.(Check the status monitor on the computer.)
Off	Normal.(Check the status monitor on the computer.)

[8] STATUS lamp

On	Online mode.
Blinking	Data being received. (Check the status monitor on the computer.)
Off	Offline mode. (Check the status monitor on the computer.)

Important

- Opening the ink tank door or maintenance cartridge door during printing causes an error and suspends printing. This could result in a failure. Do not open the ink tank door or maintenance cartridge door except when replacing an ink tank or maintenance cartridge or opening/closing the upper unit.
- Never attempt to open the upper unit by force or hit the door. This could damage the printer or result in poor print quality. Always open and close the upper unit slowly.

1-1-6. Online and Sleep Modes

Online mode: That mode can print data from the computer. The STATUS lamp stays lit.

Sleep mode : Power lamp is blinking and the STATUS lamp stays unlit but the printer receives instructions and print data from the computer.

1. Before Using the Printer

1-2 Connecting the Printer and Computer

The printer is compatible with Hi-Speed USB and LAN.

Important

- You can disconnect the USB cable even while the printer and computer are on, but do not disconnect the USB cable in the cases described below. This could prevent the printer from operating normally.
 - While the computer is starting up (until the desktop display appears).
 - While the printer is printing.
 - While you install the printer driver.

To disconnect the USB cable while the computer and the printer are on, disconnect it at the computer or the USB hub. To reconnect the USB cable, wait at least 5 seconds before you connect it again. If you reconnect it immediately, the printer may not operate correctly.

Note

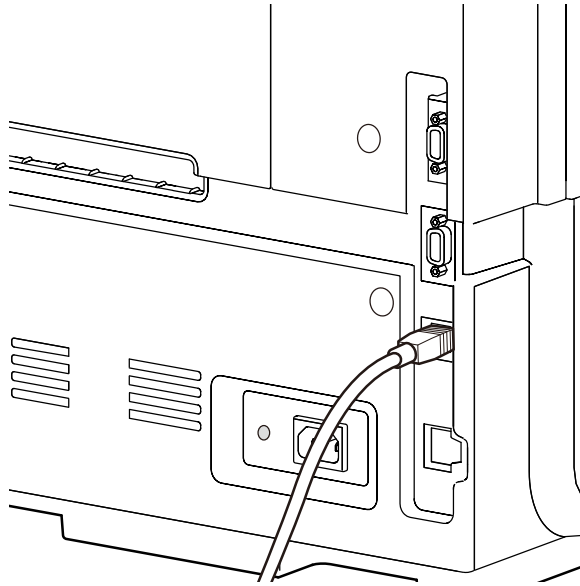
- A USB cable is not provided with the printer. Please prepare a cable that matches the port on your computer.

1-2-1. Connecting with USB Cable

1

Connect the USB cable to the printer and the computer.

First, connect the cable to the printer, then connect it to the computer.



Note

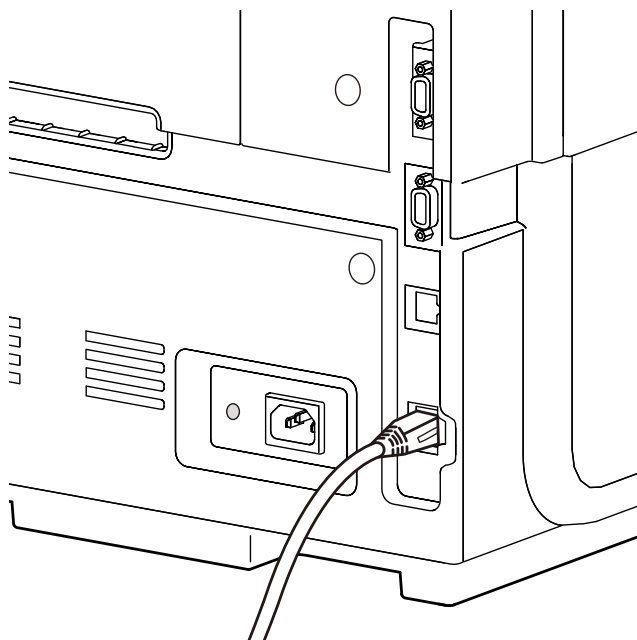
- If a printer driver has not been installed in the computer to which you want to connect your printer, install it before connecting the USB cable.
- For how to install the printer driver, refer to the Start Guide.

1. Before Using the Printer

1-2-2. Connecting with LAN Cable

1

Connect the printer to the network (TCP/IP) using a LAN cable.



Note

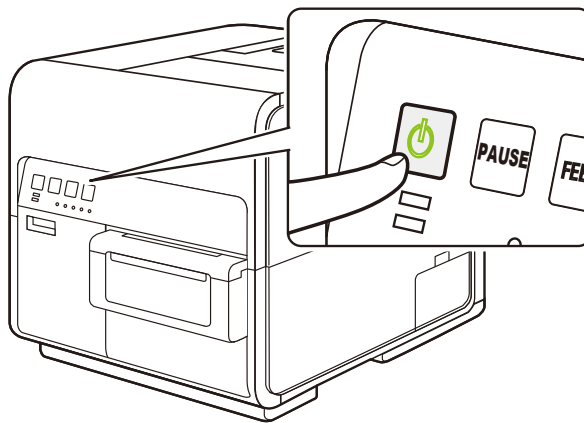
- Use a category 5 twisted pair cable.
- Please consult your network administrator when connecting to an office LAN.
- If a printer driver has not been installed in the computer to which you want to connect your printer, install it before connecting the USB cable or LAN cable.
- For how to install the printer driver and connect the printer to the network, refer to the included start guide.

1-3 Switching the Printer On and Off

This section explains how to switch the printer on and off.

1-3-1. Switching the Printer On

Make sure that the power cable is connected properly, and then turn on the printer.



1

Press the power key for at least 1 second.

Cleaning is performed and the printer becomes ready for printing.

When the printer is in the Online mode, the STATUS lamp stays lit.

Note

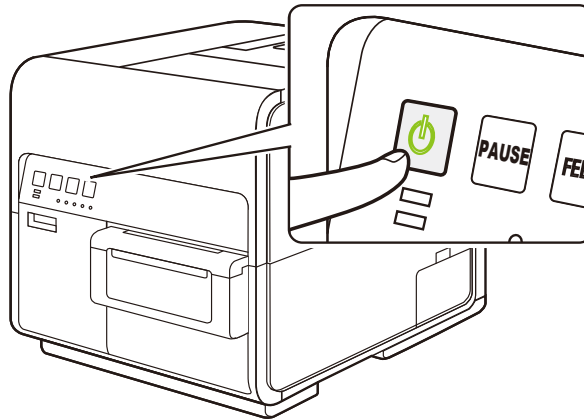
- When the printer is in the sleep mode, press the power key to return the printer to online mode. Printer will also wake up from the sleep mode automatically as soon as it starts receiving a print job.

1. Before Using the Printer

1-3-2. Switching the Printer Off

1

Press the power key for at least 1 second.



The Power lamp blinks at long intervals, and then the printer is turned off.

Note

- The Sleep mode can automatically be switched to the power-off state when a predetermined period of time has elapsed without printing.

→ **3-8-1. Sleep (P.100)**

Important

- When the printer is not used for a long period of time.
 - To prevent paper from discoloring, remove it from the roll holder. Store the removed paper in a plastic bag or box such that it is not exposed to high temperature, high humidity, and direct sunlight.
 - Disconnect the power cable and interface cable from the printer.

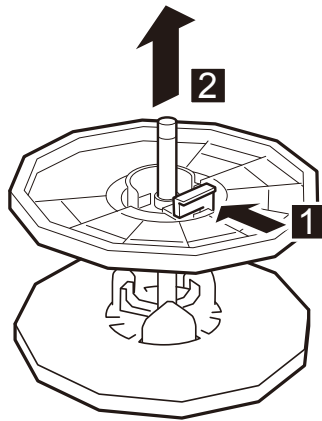
1-4 Paper Loading Procedure

This section explains the paper loading procedure, from the step of loading paper in the roll holder to the step of setting paper in the printer.

1-4-1. Loading Paper on the Roll Holder

The procedure for loading paper in the roll holder is described below.

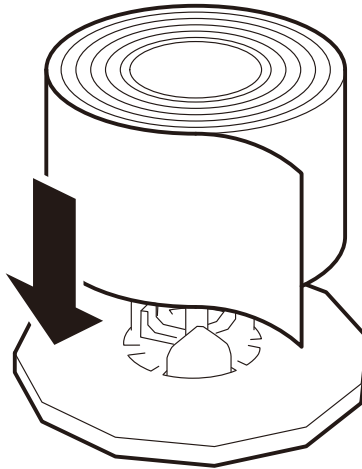
- 1** While pushing the holder stopper release lever, remove the holder stopper from the roll holder.



1. Before Using the Printer

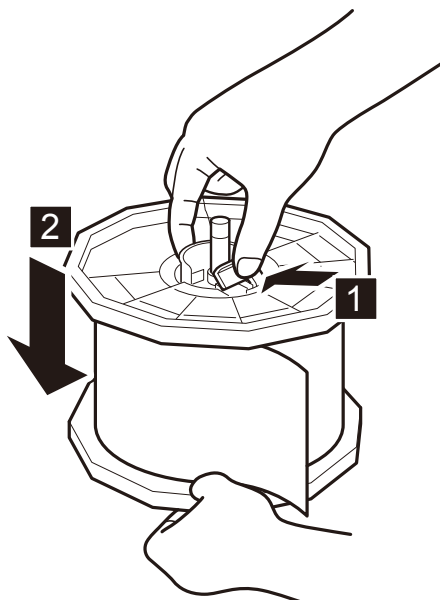
2

Load roll paper on the roll holder with it oriented as shown such that the bottom of the roll paper touches the roll holder surface with no clearance.



3

While pushing the holder stopper release lever, insert the holder stopper until it stops.



Note

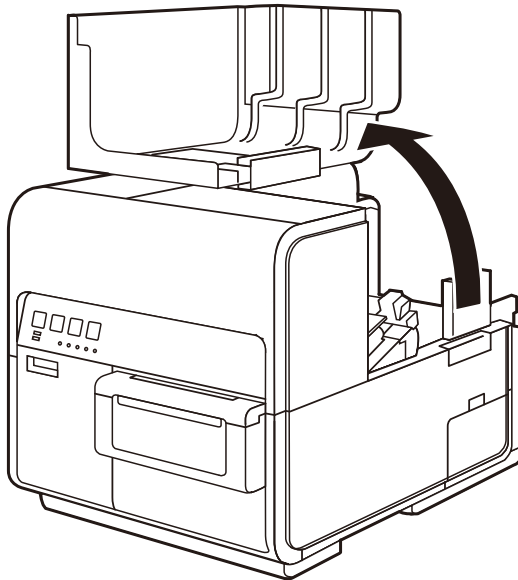
- For details on paper and how to get paper, contact your local dealer.

1-4-2. Setting Paper in the Printer

The method of setting paper in the printer is described below.

- 1** Make sure that the power lamp stays lit.
If the Power lamp does not stay lit or it is not blinking, press the power key to put the printer in the power-on state

- 2** Open the roll cover.



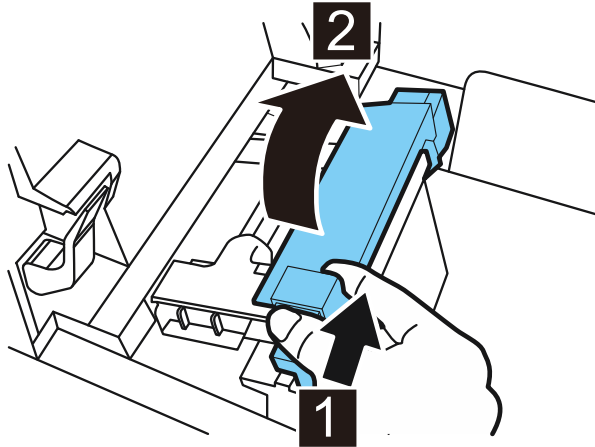
Note

- Transport Guide (Right) and “Transport Guide (Left)” mentioned in the paper loading sequence designates their positions viewed from front of the printer. 1-1-3. Inside the Printer (P.8)

1. Before Using the Printer

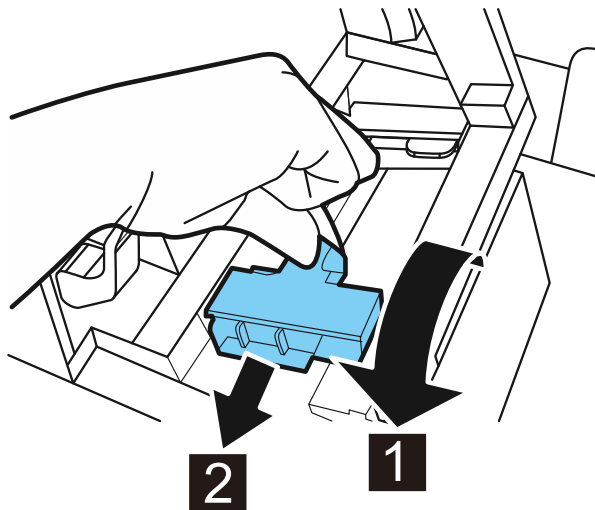
3

Push the lever of the paper guide to open the guide.



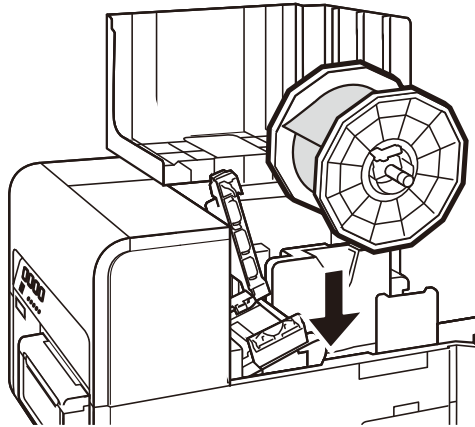
4

Open the transport guide (right), and slide it rightward until it stops.



5

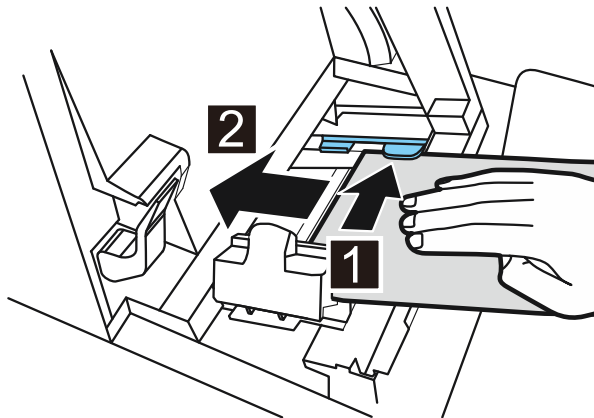
Mount the roll holder in the printer.



6

Set paper.

Insert paper along the left-side guide under the transport guide (left) until it stops at the roller in the feeder slot.

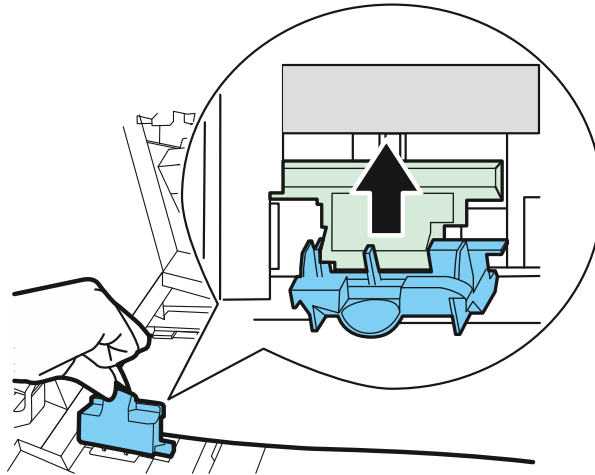


Paper stopping at the roller in the feeder slot is automatically pulled in a little.

1. Before Using the Printer

7

Slide the transport guide (right) in accordance with the width of paper.

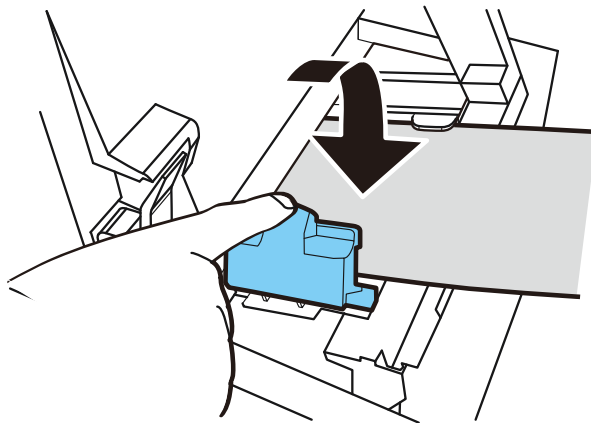


Important

- Do not press the transport guide (right) strongly against the paper edge. A paper jam can result.

8

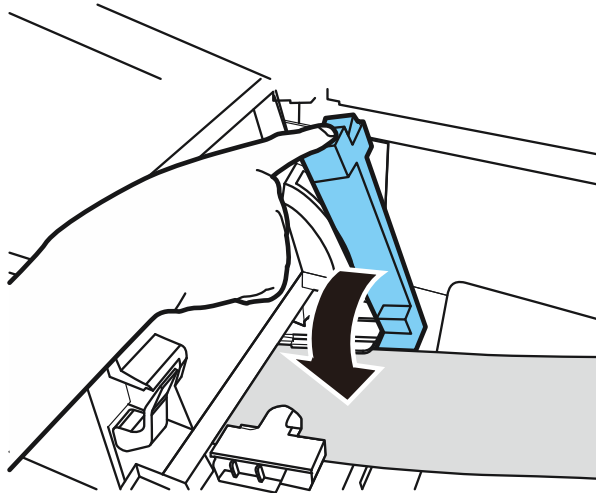
Slowly close the transport guide (right) to lock it.



9

Slowly push the paper guide down until it lock.

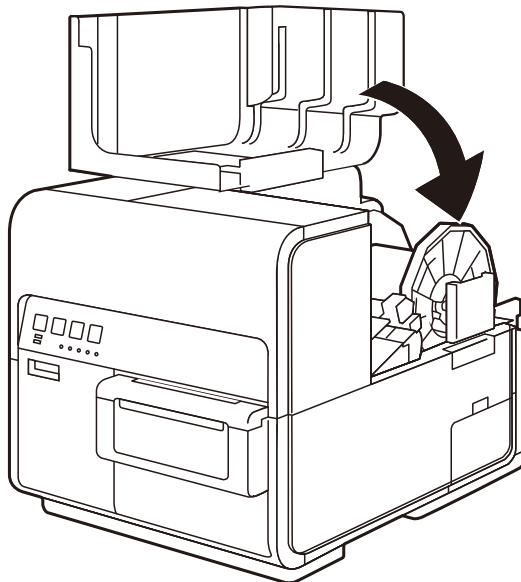
When it locks, paper is transported automatically.



10

Close the roll cover.

The printer is ready for printing.



1. Before Using the Printer

Note

- Large slack in paper touches the roll cover. If slack in paper is large, take up the paper roll to remove the slack.
- If paper has not been set properly or a jam has occurred, a message such as “Paper size error” or “Paper transport error” is displayed when printing starts, resulting in suspension of printing. In such a case, set paper properly again and press the power key. An error is canceled and printing starts again.

Important

- It is recommended that paper exclusively for the color label printer be used. Using non-exclusive paper can cause bled and blurred printing or adversely impact the printer, resulting in troubles.
- If the printer is not used for a long period of time, unload paper from the printer. Store the unloaded paper in a plastic bag or box such that it is not exposed to high temperature, high humidity, and direct sunlight.
- It is recommended that unpacked paper be used up in as a short period as possible.
- Do not print data in areas other than the printable area specified for each type of paper exclusively for the color label printer.
- Make sure that the type (size) of the paper actually loaded in the printer is the same as that specified by the printer driver.

→ **3-2-5. Custom Paper Size Settings (P.60)**

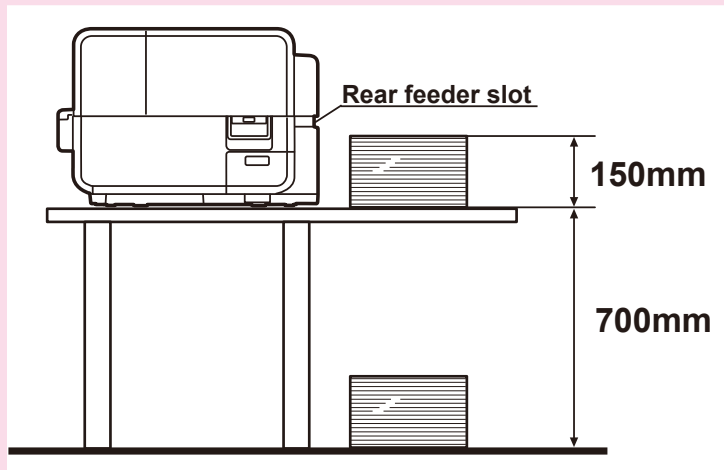
- Be sure to close the roll cover before printing.

1-5 Using Fanfold Paper

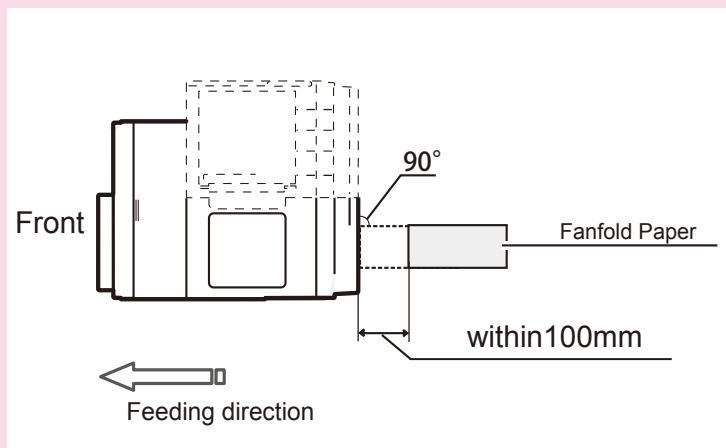
When using fanfold paper, observe the following precautions:

Important

- The top surface of the fanfold paper stack must be lower than the level at which paper is set in the printer.



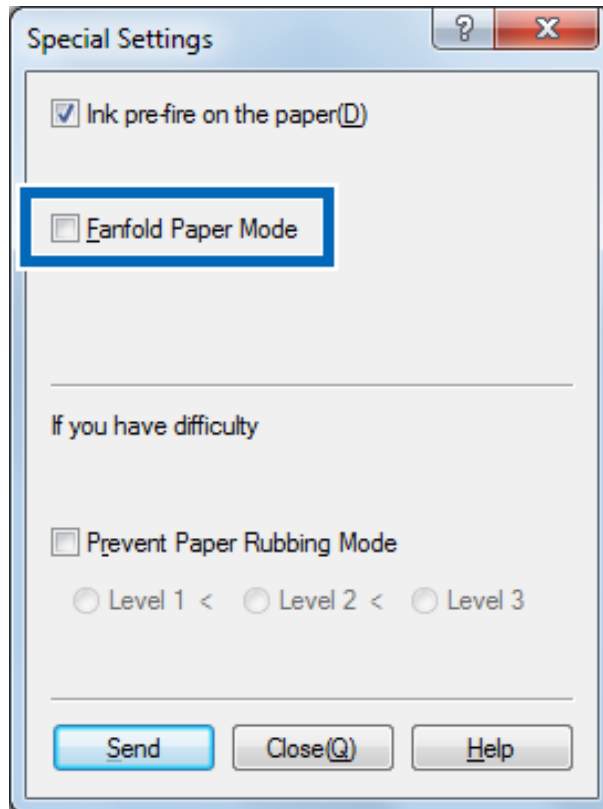
- Place the fanfold paper stack such that it is not fed to the printer obliquely.



1. Before Using the Printer

- Select [Special Settings] on the [Utility] sheet of the printer driver, check the [Fanfold paper mode] checkbox, and then press the [Send] button.

→ **3-8-5. Special Settings (P.115)**



Important

- If fanfold paper is used, remove the roll holder.
- Paper can be loaded in the same way as roll paper is loaded.

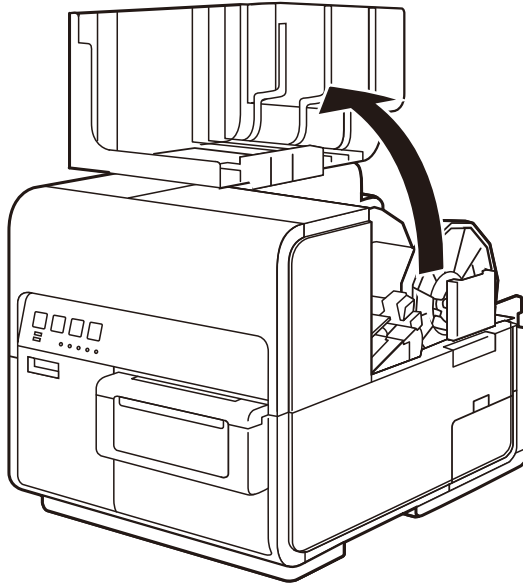
→ **1-4-2. Setting Paper in the Printer (P.19)**

- Be sure to close the roll cover before printing.
- When loading roll paper, uncheck the [Fanfold paper mode] check box.
- When using fanfold paper, the temperature and humidity of the installation environment must be 15deg C or higher and 25% or higher respectively to assure the print quality.

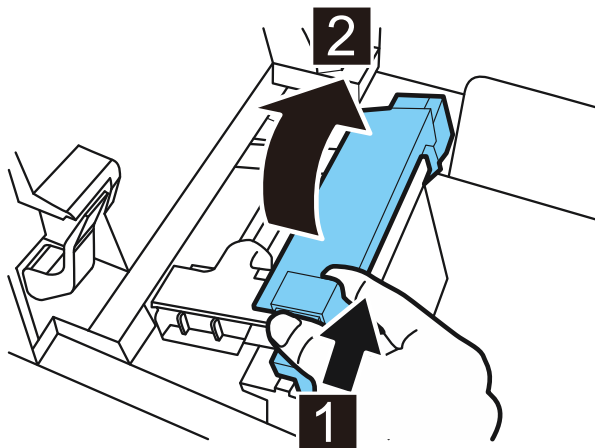
1-6 Changing Paper

This section explains how to change paper.

- 1** Open the roll cover.

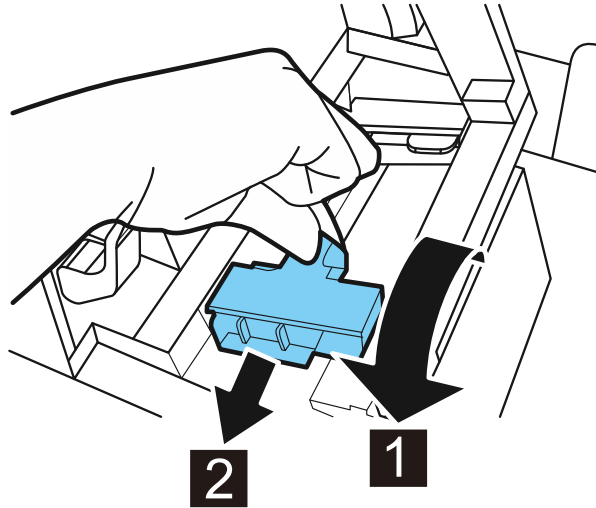


- 2** Push the lever of the paper guide to open the guide.

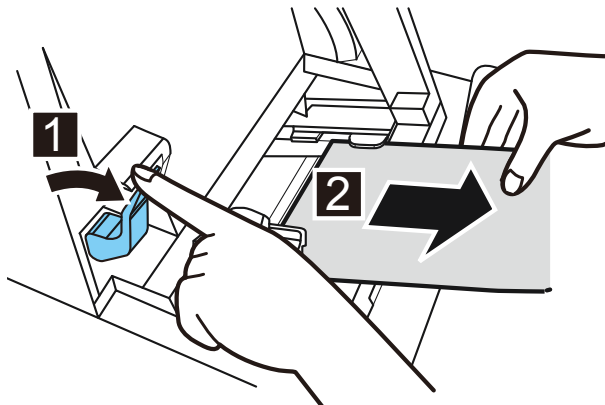


1. Before Using the Printer

- 3** Open the transport guide (right), and slide it rightward until it stops.

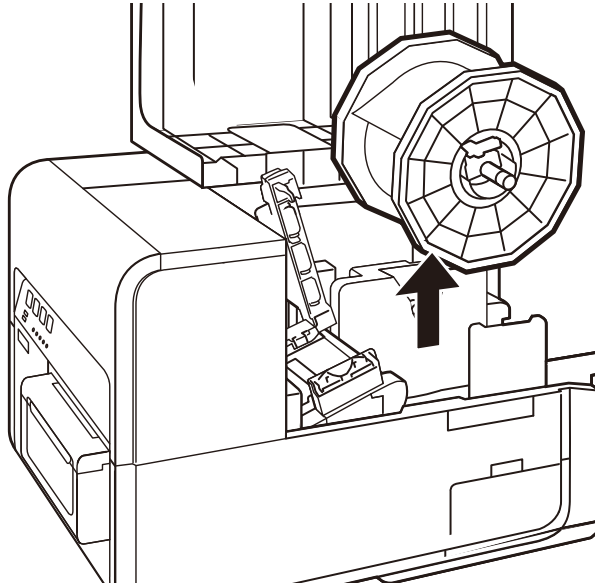


- 4** While pressing the jam release lever down, pull out paper.



5

Remove the roll holder.



6

Load new paper.

→ **1-4 Paper Loading Procedure (P.17)**

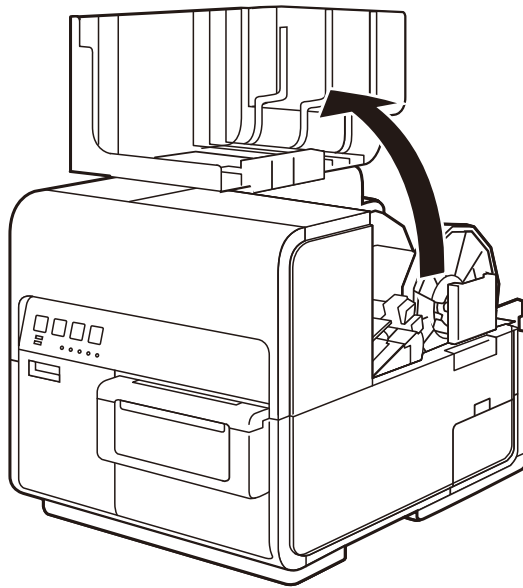
1. Before Using the Printer

1-7 Treating the Trailing Edge of Paper

When paper has been used up, “No more paper” is displayed on the Status Monitor and the printer stops.

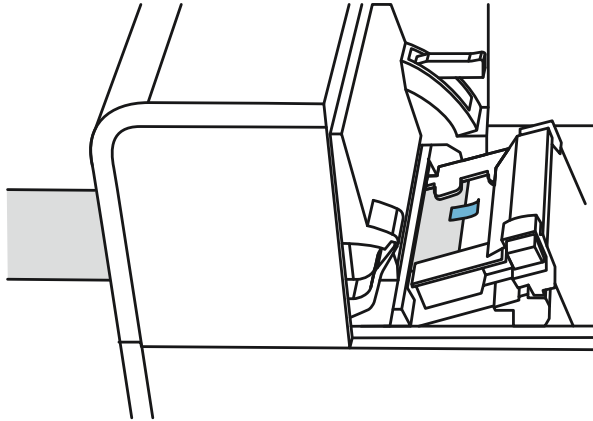
To continue printing, load new paper following the procedure described below.

- 1** Open the roll cover.



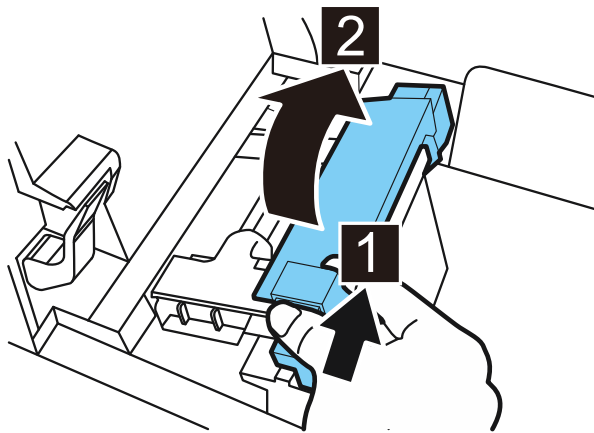
2

Confirm the tape adhered at the trailing edge of paper.



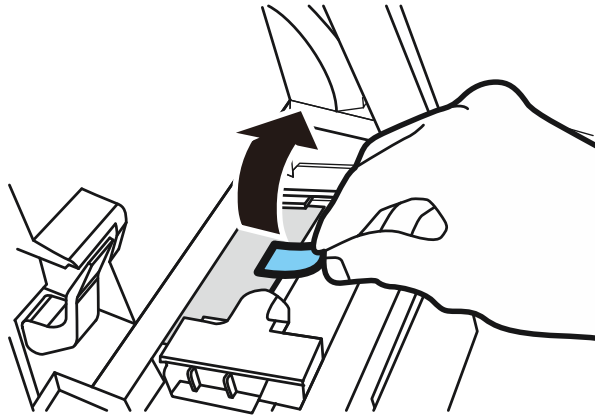
3

Push the lever of the paper guide to open the guide.

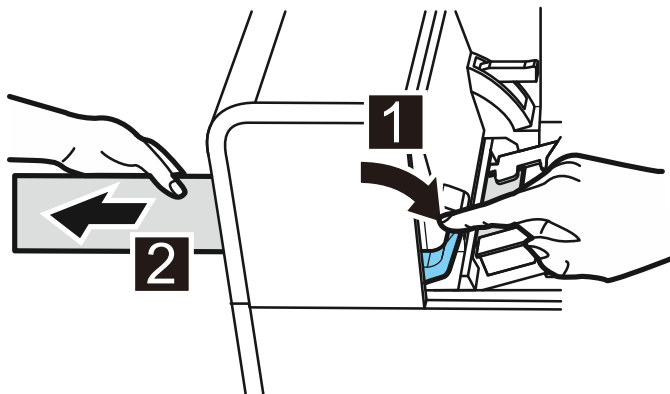


1. Before Using the Printer

- 4** Remove the tape.



- 5** While pushing the jam release lever down, pull out paper through the delivery slot.



- 6** Load new paper.

→ **1-4 Paper Loading Procedure (P.17)**

1-8 Using the Manual Cutter

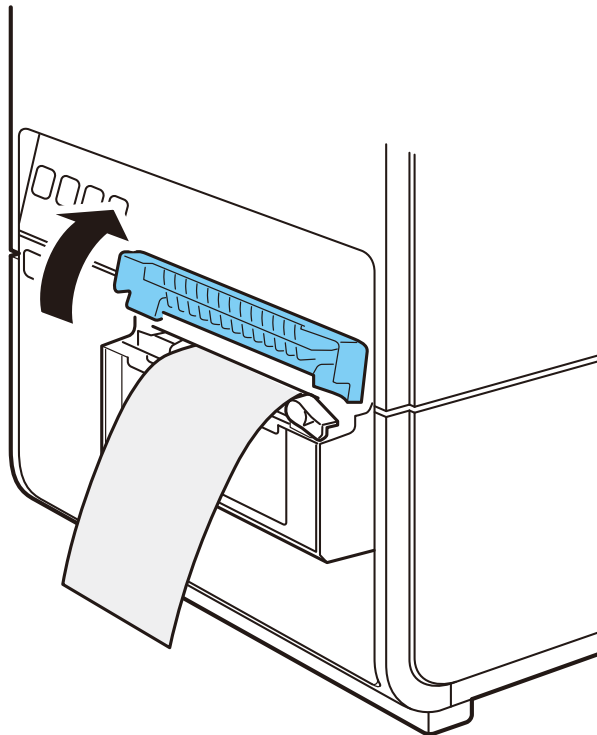
After completion of label printing, cut the label using the manual cutter.

Caution

- Be careful not to hit your hand or face on the manual cutter. It may result in personal injury. Be sure to check that label printing is completed before cutting the label.

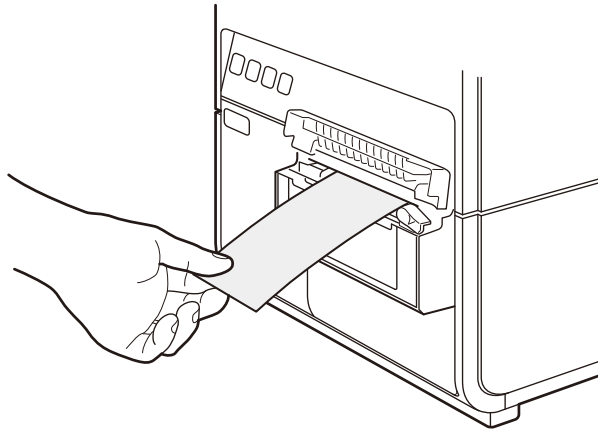
1

Open the cutter cover.

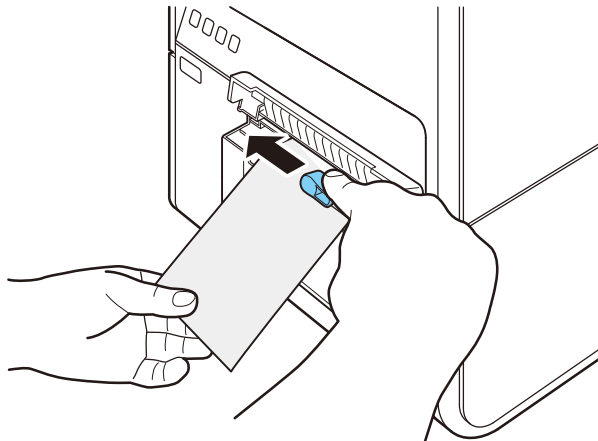


1. Before Using the Printer

2 Hold the printed label as shown.

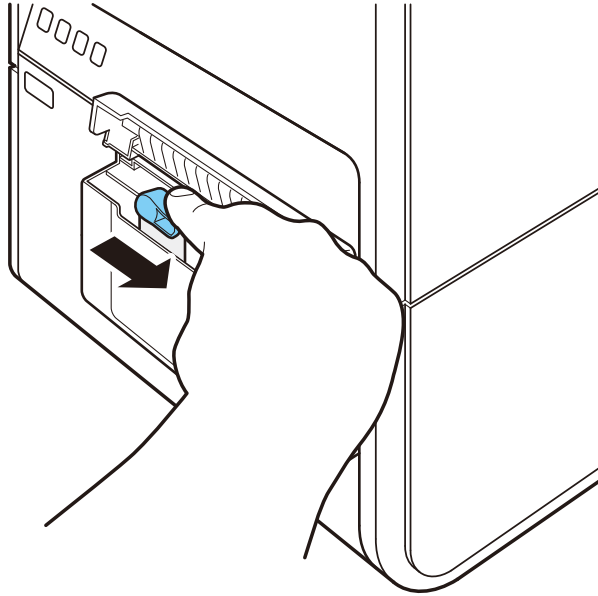


3 Cut the label by moving the cutter as shown while pressing the cutter lightly.



4

Return the cutter to the original position, and then close the cutter cover.



Note

- If the cutter has become extremely dull, contact your local dealer without disassembling the cutter.

2. How to Print

When the printer is ready to print, create documents using various kinds of application software and print them.

2-1 How to Make of Print Data

When a document is created, start printing from the application software.

Important

- Keep the printer free from vibration or impact while it prints. Paper jams or printing failures might result.

Note

- The printing procedures, Windows button names and so on may differ depending on your application software. Refer to the documentation supplied with your application software as well.
- In printing, set the Windows system standby or the sleep mode setting to “No.” To set this option, select [Control Panel] from the [Start] menu of Windows and select [Power Options] to open the [Power Options Properties] window.

1

Open the [File] menu in the application software, and then click [Print].

The Print dialog box appears.

2

Check that [Swiftcolor SCL-4000D] or [Swiftcolor SCL-4000P] has been selected in [Printer Setup].

If any other printer name is displayed, select [Swiftcolor SCL-4000D] in [Printer Setup].

Note

- If your application software supports buttons designed to configure a printer (such as [Advanced Settings] and [Properties]), set the paper type, colors and so on here.

3

Specify the number of copies to print.

The number of copies specified here overrides its setting in the [Print Setup] dialog box for the printer driver.

4

Check that paper is ready, and then click [Print].

Printing starts.

Note

- See “Using the Printer Drivers” to modify print setting to suit specific purposes.
→ [3. How to Use the Printer Driver \(P.42\)](#)
- If the application software and the printer driver share the same setup items, such as paper size, print orientation and number of copies, the settings of the application software may govern.
- The print settings that have been configured in an application software are used only for the application. Print settings that are commonly used for various kinds of application software must be configured from [Control Panel] in Windows.

2-2 Canceling Print Jobs

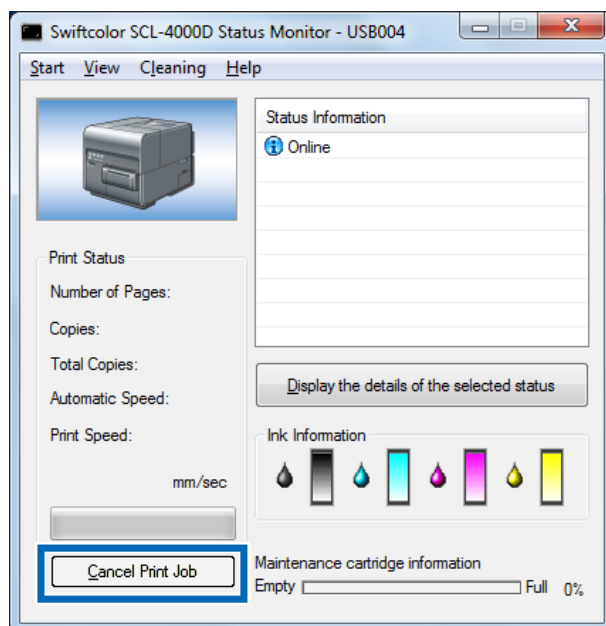
Cancels a print job that has been initiated from the computer.

2-2-1. Canceling Print Jobs from the Status Monitor

The print job can be canceled by clicking [Cancel Print Job] in the status monitor.

Click [Cancel Print Job] in the “Swiftcolor SCL-4000D (or Swiftcolor SCL-4000P) Status Monitor” window.

The print job is canceled, and the currently printing job and the jobs that are under processing or receiving data in the printer are also abandoned, along with all print data in process in the computer.



Note

- If the “Status Monitor” window is not displayed, it should either be minimized in the taskbar or placed in the task tray. Click the taskbar or task tray to open the “Status Monitor” window.

→ 4-1 Displaying the Status Monitor (P.127)

- A print job can be canceled in the “Print Queue” window (the window in which the order of print jobs is registered), as well as in the “Status Monitor” window. For more information, refer to the Windows documentation.

2-3 Pausing Printing

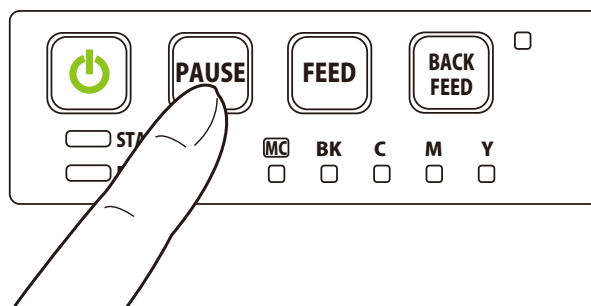
The pause function is described below.

Printing can be paused by pressing the [PAUSE] key on the operation panel.

2-3-1. Pause from the Operation Panel

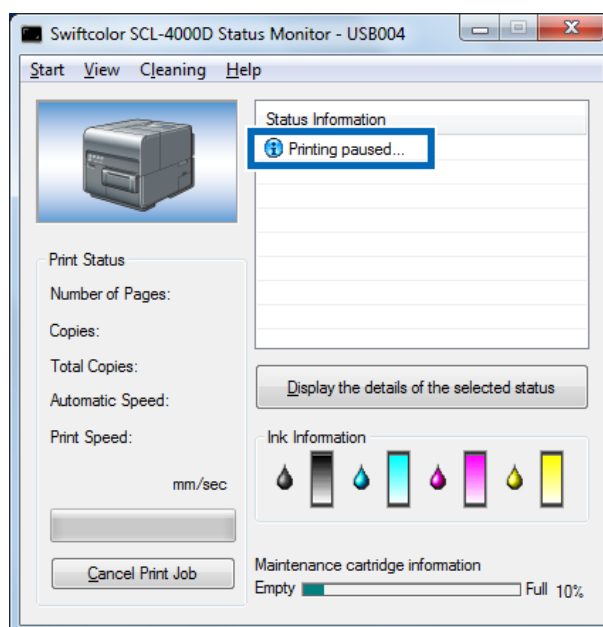
Use this function to view the status of printing in progress or perform cleaning.

- 1 Press the [PAUSE] key on the operation panel while printing is in progress.



- 2 The printer pauses.

Press the [PAUSE] key again to release the printer from the pause and resume printing at the point of interruption.



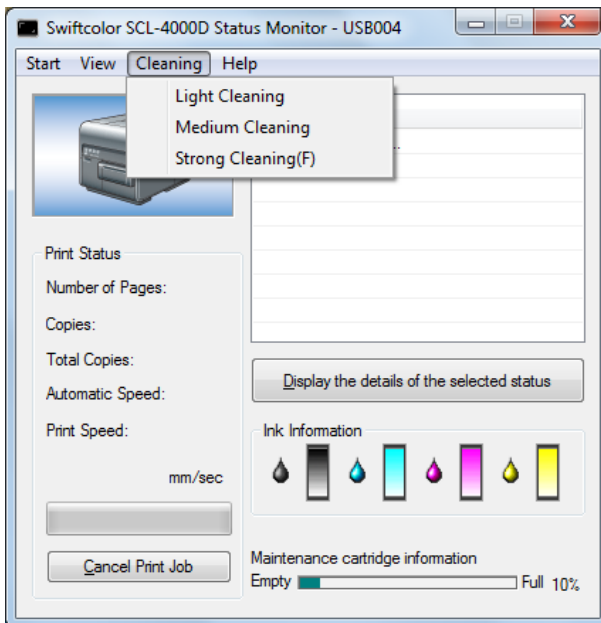
2. How to Print

2-3-2. Cleaning During Temporary Stop

Important

- Cleaning from the “Status Monitor” window is enabled only while the printer pauses.
- The [Utility] sheet is not available while the printer pauses.

1 Cleaning can be performed while the printer pauses. Click the [Cleaning] menu in the “Status Monitor” window and select “Light Cleaning”, “Medium Cleaning” or “Strong Cleaning”select.



Clean the ink nozzles to prevent them from clogging.
Perform cleaning by selecting “Light Cleaning”, “Medium Cleaning” or “Strong Cleaning” in considering the print results.

Light Cleaning	Recovery operation performed first when printhead nozzle clogging occurs. (Repeat this operation as required.)
Medium Cleaning	Recovery operation performed when printhead nozzle clogging occurs even after light cleaning is performed. (Repeat this operation as required.)
Strong Cleaning	Recovery operation performed when printhead nozzle clogging occurs even after Medium cleaning is performed. (Repeat this operation as required.)

Important

- While cleaning is in progress, do not perform any other operation.
- Cleaning cannot be done during a print job or when an error is occurring.
- If Strong cleaning fails to solve the problem, the printhead may require replacement, or there could be some other problem. Follow the troubleshooting procedure and if the problem is not solved after it, contact dealer.
- Please remember that cleaning consumes ink. Clean the printhead only when necessary.

3. How to Use the Printer Driver

This section describes the function of the each item in the printer driver dialog box.

3-1 Opening the Printing Preferences Dialog Box

The [Printing Preferences] dialog box is described below.

Open the [Printing Preferences] dialog box for the printer driver to configure various print functions. The [Printing Preferences] dialog box can be opened in two ways: open it from application software and from the [Start] menu in Windows.

Note

- The print settings that are set in the [Properties] dialog box opened from application software are only used for that application software.
- Set the print settings that are commonly used for various kinds of application software from the [Start] menu in Windows.

→ 3-1-2. Opening the Printer Driver from the Start Menu (P.44)

3-1-1. Opening the Printer Driver from the Application Software

To open [Printing Preferences] from the application software in use, select [Print] and then [Properties].

1

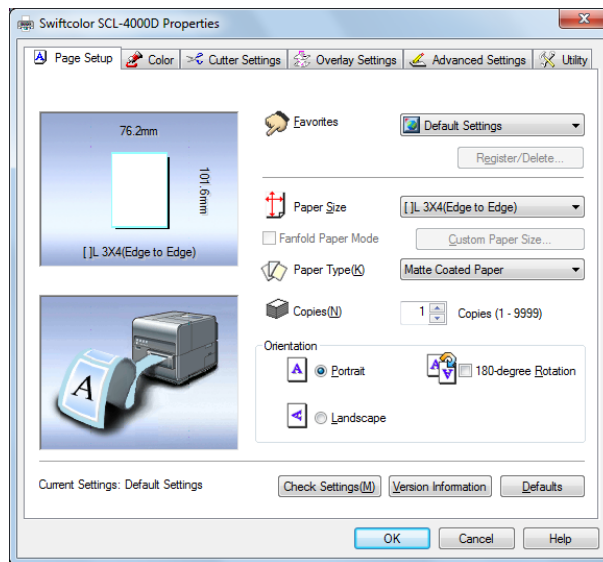
Open the [File] menu in the application software, and click [Print].

2

Select [Swiftcolor SCL-4000D] or [Swiftcolor SCL-4000P] in Printing Preferences and click [Properties].

3

[Swiftcolor SCL-4000D (or Swiftcolor SCL-4000P) Properties] (Print Setup) window appears.



Note

- The method of opening the [Properties] dialog box varies with the kind of application software. For more information, refer to the instruction manual supplied with your application software.
- The [Printing Preferences] dialog box, when opened from the application software, contains the [Utility] tab. Click this tab to open the Utility sheet in which cleaning such as Printhead cleaning can be performed.
- The [Utility] sheet that is opened from the [Printing Preferences] dialog box and the [Utility] sheet that is opened from the [Printer Properties] dialog box differ in the repertoire of items that can be set.

→ 3-8 Using the Utility Dialog Box (P.96)

3. How to Use the Printer Driver

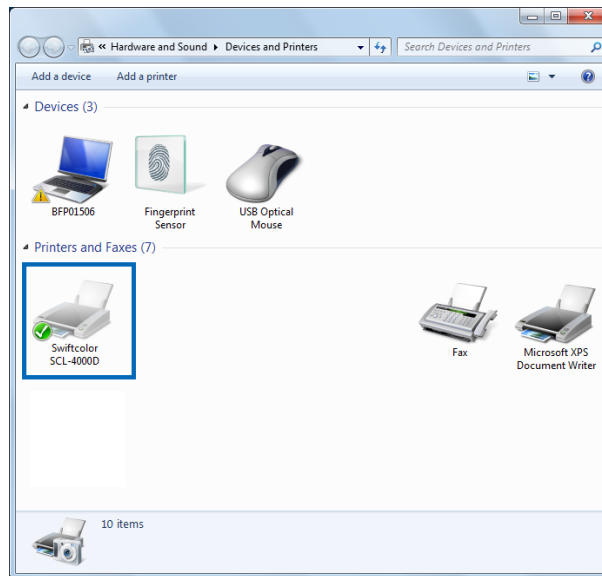
3-1-2. Opening the Printer Driver from the Start Menu

To set up print, open the [Printing Preferences] or [Printer Properties] dialog box from the [Start] menu in Windows.

Use this option to register common settings, regardless of the kind of application software used.

1

Click [Start] and then click [Devices and Printers].



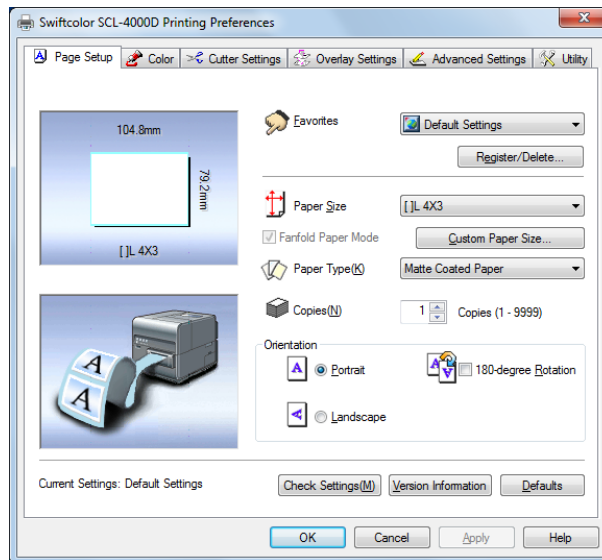
Note

- With Windows Vista, click [Start] and select [Printers] from [Hardware and Sound] in [Control Panel].
- With Windows XP, click [Start] and select [Printer and FAX].

2

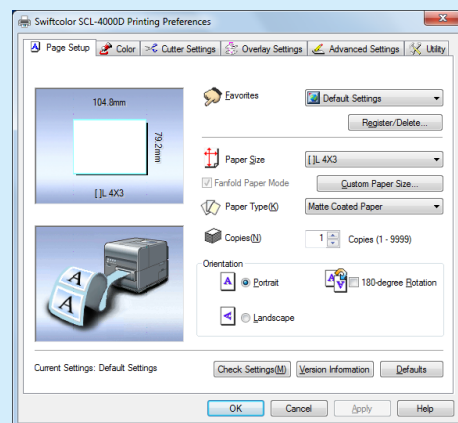
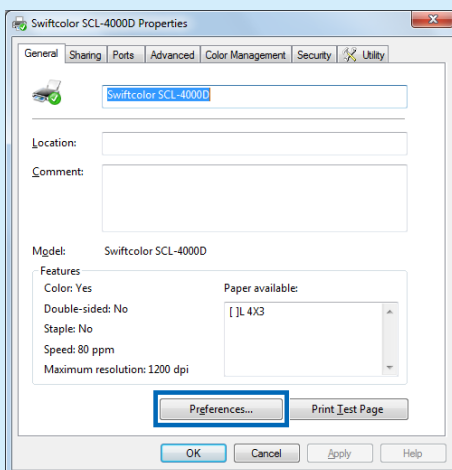
Right-click on the [Swiftcolor SCL-4000D] or [Swiftcolor SCL-4000P] Printer icon and select [Printing Preferences].

[Swiftcolor SCL-4000D Printing Preferences] dialog box appears.



Note

- The [Printing Preferences] dialog box can also be opened by clicking [Preferences] in the [Swiftcolor SCL-4000D Properties] or [Swiftcolor SCL-4000P Properties] dialog box.

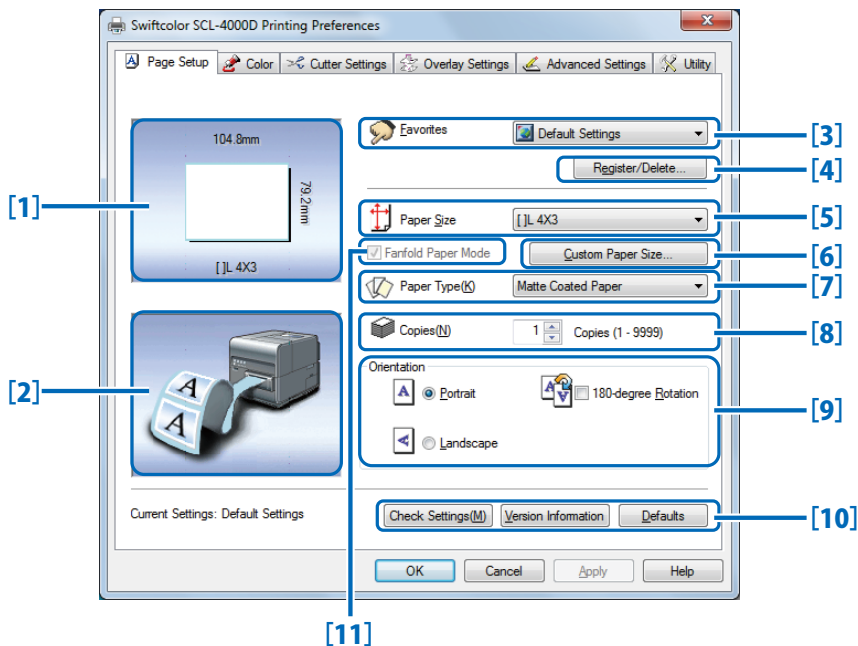


3. How to Use the Printer Driver

3-2 Using the Page Setup Dialog Box

The [Page Setup] sheet is described below.

The [Page Setup] sheet in the [Printing Preferences] dialog box allows you to set paper settings, such as the number of copies to print and the orientation of printing.



[1] Paper Size Preview

The currently set paper size is displayed in a preview.

[2] Print Orientation Preview

The currently set paper orientation for printing is displayed in a preview.

[3] Favorites

Register commonly used print settings.

→ 3-2-3. Using Print Setting Registered in Favorite (P.54)

[4] Register/Delete

Register or delete Favorites.

→ 3-2-1. Registration of Favorites (P.48)

→ 3-2-2. Deletion of Favorites (P.52)

[5] Paper Size

Set a paper size.

→ Standard label paper (registered paper) (P.57)

[6] Custom Paper Size

Set an optional paper size.

→ [3-2-5. Custom Paper Size Settings \(P.60\)](#)

[7] Paper Type

Set a paper type.

→ [3-2-6. Paper Type \(P.65\)](#)

[8] Copies

Set the number of copies to print.

[9] Orientation

Set the orientation of printing on the paper.

→ [3-2-7. Orientation \(P.66\)](#)

[10] Check Settings

Displays the current print settings.

→ [3-2-8. Check Settings \(P.68\)](#)

Version Information

Displays version information on the printer driver and the information about the currently connected printer.

→ [3-2-9. Version Information \(P.69\)](#)

Defaults

Reset the [Page Setup] sheet to its defaults.

[11] Fanfold Paper Mode

If [Special Settings] has been configured to use fanfold paper, the check box appears checked.

→ [3-8-5. Special Settings \(P.115\)](#)

Note

- If [Printer Properties] has been opened from application software, the settings cannot be registered or deleted. To register or delete settings, open the [Print Setup] dialog box from the [Start] menu in Windows.

→ [3-1-2. Opening the Printer Driver from the Start Menu \(P.44\)](#)

- To use the fanfold paper mode, click [Special Settings] in the [Utility] sheet and check [Fanfold Paper Mode].

→ [3-8-5. Special Settings \(P.115\)](#)

3. How to Use the Printer Driver

3-2-1. Registration of Favorites

Up to 10 Favorites can be registered. Favorites, once registered, are imported by simply selecting them from a list, so that print jobs can always be executed with the same set of print settings.

Note

- If [Printer Properties] has been opened from application software, the settings cannot be registered or deleted. To register or delete settings, open the [Printing Preferences] dialog box from the [Start] menu in Windows.

→ 3-1-2. Opening the Printer Driver from the Start Menu (P.44)

1

Set the data to be registered in the [Page Setup] sheet, [Color] sheet and [Advanced Settings] sheet.

Click the [Page Setup] tab, the [Color] tab and the [Advanced Settings] tab to open the respective sheets for setup.

Note

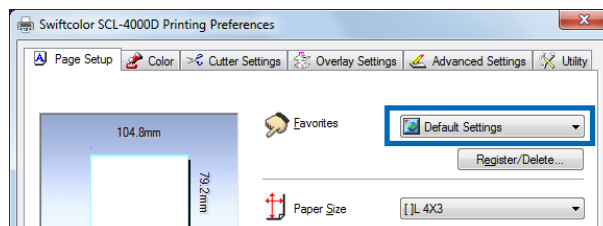
- If a paper size different from the default size needs to be registered in the [Page Setup] sheet, set the desired paper size at user paper setup and have registered beforehand.

→ 3-2-4. Paper Size (P.56)

2

The [Page Setup] sheet appears again.

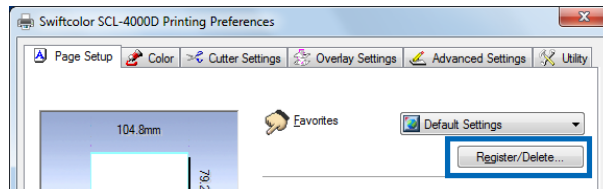
Check that [Current Settings] has been selected in [Favorites].



3

Click [Register/Delete].

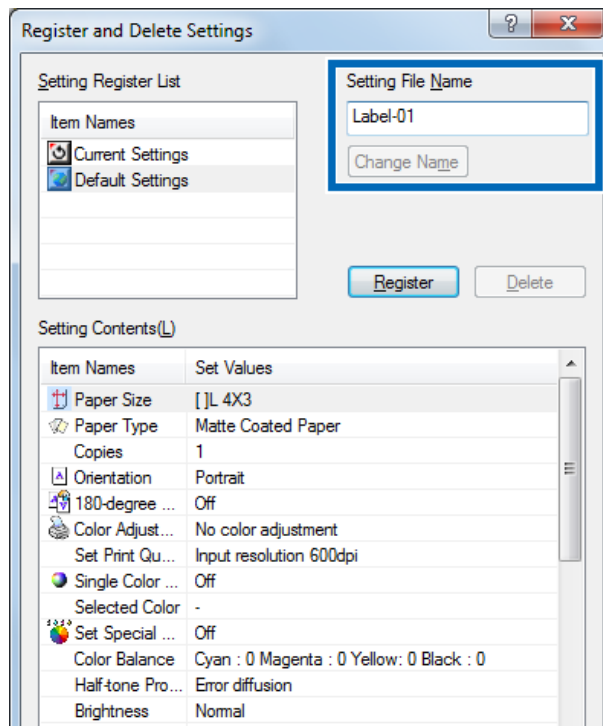
The [Register and Delete Settings] dialog box appears.



4

Type an optional name in the [Setting File Name] box and, on confirming [setting Contents], click [Register].

Register here under the name "label 01."



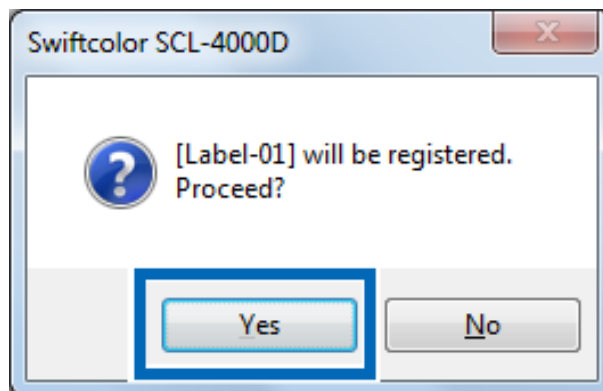
Note

- The entry of a name is required. Space and tab characters are not allowed in the name. The name can be up to 16 single- and double-byte characters long.
- New names cannot be registered at the position in [Current Settings] and [Default Settings]. A new entered name is added.

3. How to Use the Printer Driver

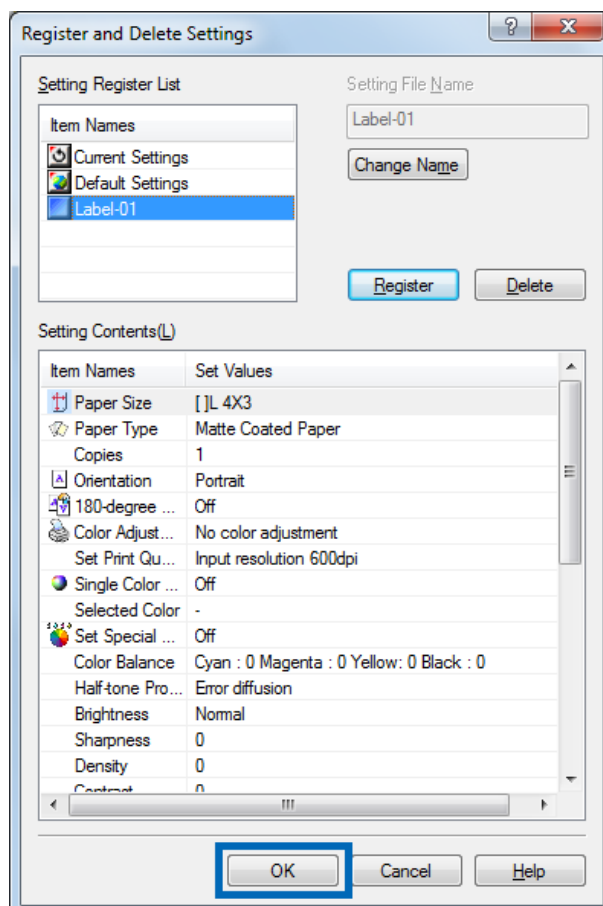
5

When the registration confirmation dialog box appears, click [Yes].



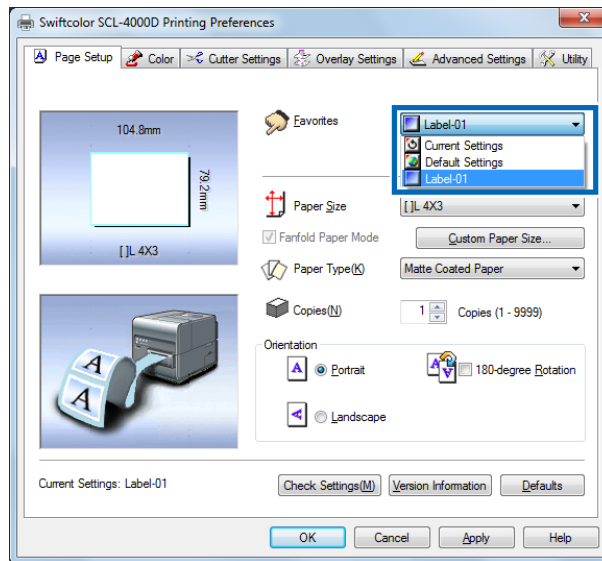
6

Confirm [Setting Contents] and click [OK].



7

Check that the registered name has been added in [Favorites].



8

Click [Apply] and then click [OK].

The print setting is registered in [Favorites].

Note

- To rename registered print settings, select the name of an item to edit from [Favorites] and click [Register/Delete]. Rename the item in [Set Name] in the [Register and Delete Settings] dialog box and click [Register].

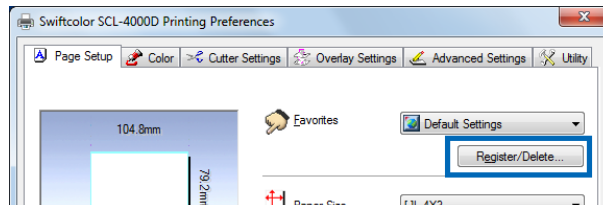
3. How to Use the Printer Driver

3-2-2. Deletion of Favorites

Delete the settings registered in [Favorites].

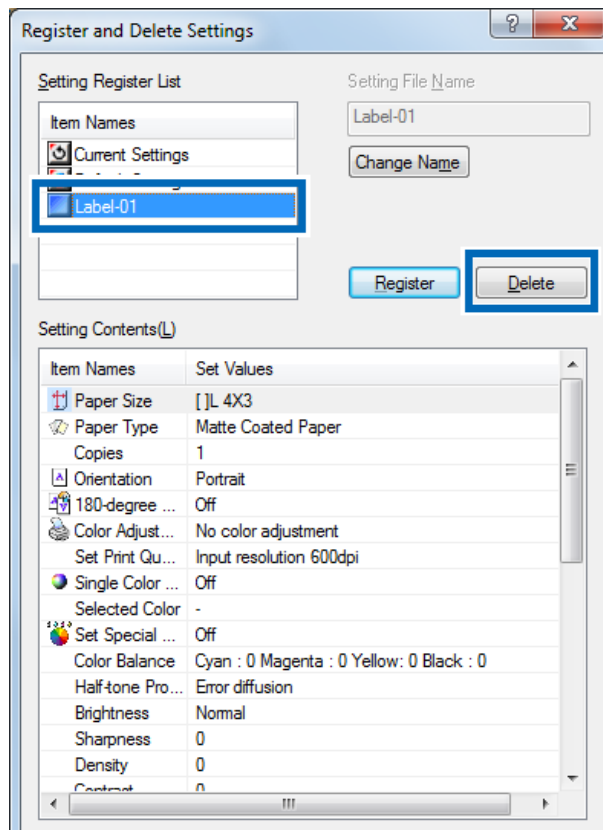
1

Click [Register/Delete] in [Favorites].



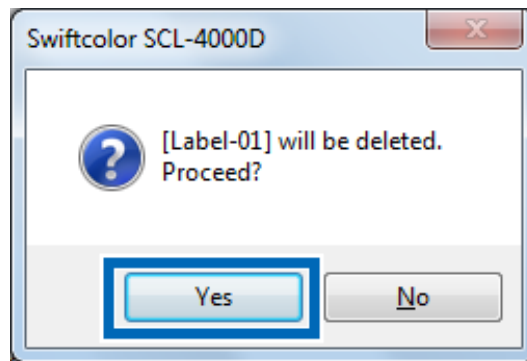
2

Select the setting to delete from the [Setting Register List] in the [Register and Delete Settings] dialog box and click [Delete].



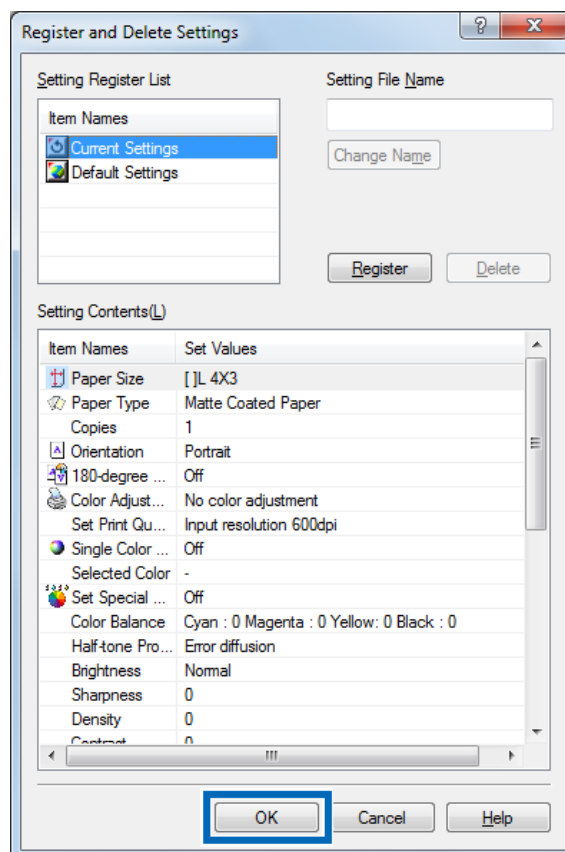
3

When the confirmation window opens, click [Yes].



4

The registered setting is deleted from [Setting Register List].
Check that the print setting has been deleted and click [OK].



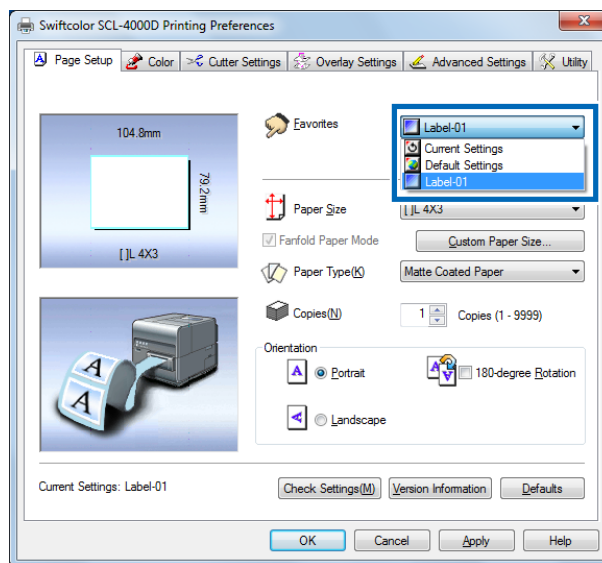
3. How to Use the Printer Driver

3-2-3. Using Print Setting Registered in Favorite

Printing can be performed using the print settings registered in [Favorites]. The print settings registered in [Favorites] are imported by simply selecting them from a list, so that print jobs can always be executed with a desired set of print settings.

1

Select the print settings to use from [Favorites] and click.
Imports print settings.



Note

- Click [Check Settings] to view the current print settings.
- Select [Default Settings] to reset the printer to the state in which it had been when the printer driver was installed (or the state in which no changes have been made to the settings).

3. How to Use the Printer Driver

■ Default Settings

Sheet	Item	Settings	
		SCL-4000D(Dye model)	SCL-4000P(Pigment model)
Page Setup	Favorites	Default settings	
	Paper Size	[]4 x 5 Label/Gap	
	Paper Type	Matte	
	Copies	1	
	Orientation	Portrait	
	180-degree	Off	
Color	Color Adjustment	No color adjustment	
	Set Print Quality	Input resolution 600dpi	
	Single color Settings	Off	
	Color Balance*	Bk/C/M/Y All 0	
	Brightness*	Normal	
	Density *	0	
	Contrast*	0	
	Half-tone Process*	Error diffusion	
	Level Correction*	Off	
	Sharpness*	0(None)	
Cutter Settings**	Auto Cutter	Off	
Overlay Settings	Overlay	Off	
Advanced Settings	Print Order	Ascend	
	Print Speed	200mm/s	150mm/s

*Items in the [Detailed Settings] dialog box.

**Use the [Cutter Settings] sheet when an optional auto-cutter is installed.

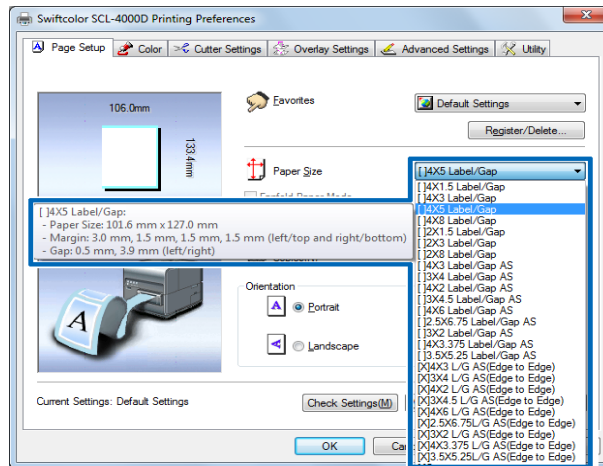
3. How to Use the Printer Driver

3-2-4. Paper Size

1

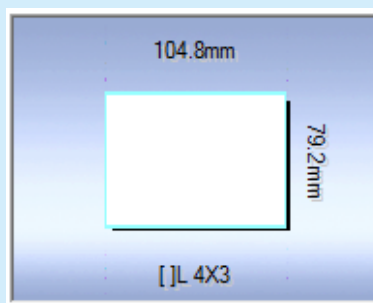
In [Paper Size], select the size of paper on which to print.

[Paper Size] is selectable from the following choices:



Note

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



3. How to Use the Printer Driver

- Standard label paper (registered paper)
A total of 16 different paper sizes are preregistered.

Paper Size	Shape of Media	Paper Size (W×L)mm	Margins(mm)				Gap/Mark mm	Gap(mm)	
			Top Margin	Bottom Margin	Left Margin	Right Margin		Left	Right
4 X 1.5 Label/Gap	Label/Gap	97.3×38.1	1.5	1.5	1.5	1.5	2.5	2.0	2.3
4 X 3 Label/Gap	Label/Gap	97.3×76.2	1.5	1.5	1.5	1.5	2.5	2.0	2.3
4 X 5 Label/Gap	Label/Gap	101.6×127	1.5	1.5	1.5	1.5	6.4	0.5	3.9
4 X 8 Label/Gap	Label/Gap	97.3×203.2	1.5	1.5	1.5	1.5	2.5	2.0	2.3
2 X 1.5 Label/Gap	Label/Gap	46.5×38.1	1.5	1.5	1.5	1.5	2.5	2.0	2.3
2 X 3 Label/Gap	Label/Gap	46.5×76.2	1.5	1.5	1.5	1.5	2.5	2.0	2.3
2 X 8 Label/Gap	Label/Gap	46.5×203.2	1.5	1.5	1.5	1.5	2.5	2.0	2.3
4 x 3 Label/Gap AS	Label/Gap	101.6×76.2	1.5	1.5	1.5	1.5	3	1.6	1.6
3 x 4 Label/Gap AS	Label/Gap	76.2×101.6	1.5	1.5	1.5	1.5	3	1.6	1.6
4 x 2 Label/Gap AS	Label/Gap	101.6×50.8	1.5	1.5	1.5	1.5	3	1.6	1.6
3 X 4.5 Label/Gap AS	Label/Gap	76.2×114.3	1.5	1.5	1.5	1.5	3	1.6	1.6
4 x 6 Label/Gap AS	Label/Gap	101.6×152.4	1.5	1.5	1.5	1.5	3	1.6	1.6
2.5 x 6.75 Label/Gap AS	Label/Gap	63.5×171.5	1.5	1.5	1.5	1.5	3	1.6	1.6
3 x 2 Label/Gap AS	Label/Gap	76.2×50.8	1.5	1.5	1.5	1.5	3	1.6	1.6
4 x 3.375 Label/Gap AS	Label/Gap	101.6×85.7	1.5	1.5	1.5	1.5	3	1.6	1.6
3.5 x 5.25 Label/Gap AS	Label/Gap	88.9×133.3	1.5	1.5	1.5	1.5	3	1.6	1.6

3. How to Use the Printer Driver

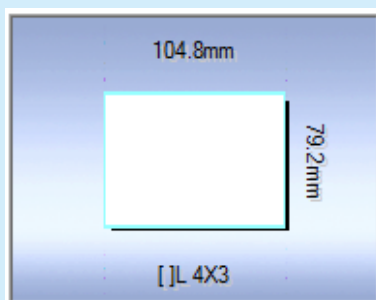
Paper Size	Shape of Media	Paper Size (W×L)mm	Margins(mm)				Gap/Mark mm	Gap(mm)	
			Top Margin	Bottom Margin	Left Margin	Right Margin		Left	Right
4 x 3 L/G AS (Edge to Edge)	Label/Gap	101.6×76.2	0	0	0	0	3	1.6	1.6
3 x 4 L/G AS (Edge to Edge)	Label/Gap	76.2×101.6	0	0	0	0	3	1.6	1.6
4 x 2 L/G AS (Edge to Edge)	Label/Gap	101.6×50.8	0	0	0	0	3	1.6	1.6
3 X 4.5 L/G AS (Edge to Edge)	Label/Gap	76.2×114.3	0	0	0	0	3	1.6	1.6
4 x 6 L/G AS (Edge to Edge)	Label/Gap	101.6×152.4	0	0	0	0	3	1.6	1.6
2.5 x 6.75 L/G AS (Edge to Edge)	Label/Gap	63.5×171.5	0	0	0	0	3	1.6	1.6
3 x 2 L/G AS (Edge to Edge)	Label/Gap	76.2×50.8	0	0	0	0	3	1.6	1.6
4 x 3.375 L/G AS (Edge to Edge)	Label/Gap	101.6×85.7	0	0	0	0	3	1.6	1.6
3.5 x 5.25 L/G AS (Edge to Edge)	Label/Gap	88.9×133.3	0	0	0	0	3	1.6	1.6

Important

- In the edge to edge print mode, the ink on the liner does not dry. Please pay attention to handle the label and liner.

Note

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

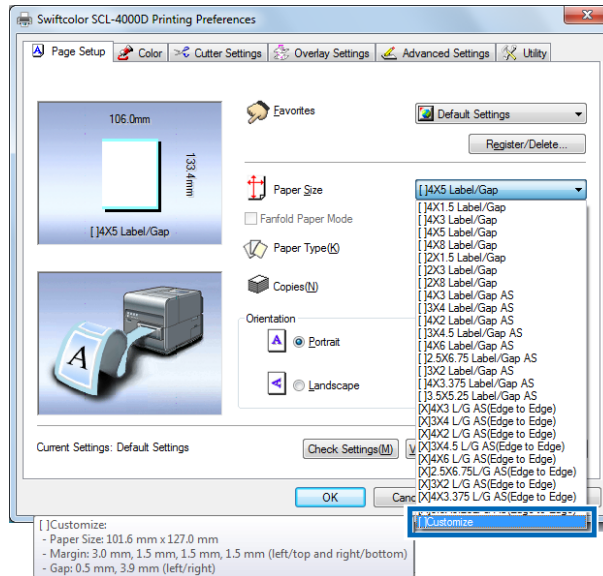


3. How to Use the Printer Driver

■ Customize

Any paper size of your choice can be set.

Unlike user-definable paper sizes, paper sizes can be set temporarily from the [Print Setup] dialog box, though the paper names cannot be changed.



Paper Size	Shape of Media	Paper Size (W×L)mm	Margin Size(mm)				Gap/Mark mm	Gap(mm)	
			Top Margin	Bottom Margin	Left Margin	Right Margin		Left	Right
Customize	Label/Gap	101.6×127	1.5	1.5	3	1.5	6.4	0.5	3.9

Note

- [Customize] allows you to change the values of paper, such as size, margins, gap mark lengths and gap values, without renaming it.
- The setting of [Customize] that has been entered by opening the [Printing Preferences] dialog box from application software is erased at the same time as the software is closed.

3. How to Use the Printer Driver

3-2-5. Custom Paper Size Settings

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

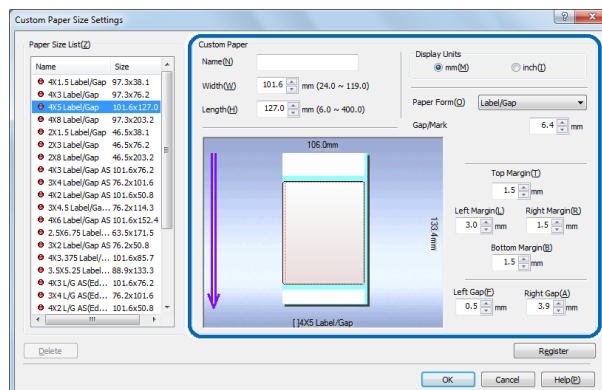
Up to 50 different paper sizes can be registered in [Custom Paper Size Settings]. In addition, preregistered standard label paper sizes may also be modified as desired and newly registered.

Note

- [Paper Size Name], "Width", "Length", "Display Units", "Paper Shape", "Gap/Mark", "Margin" and "Gap" can be registered.
- Because the standard label paper name cannot be changed, register the label under a different name.

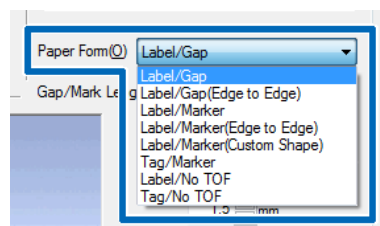
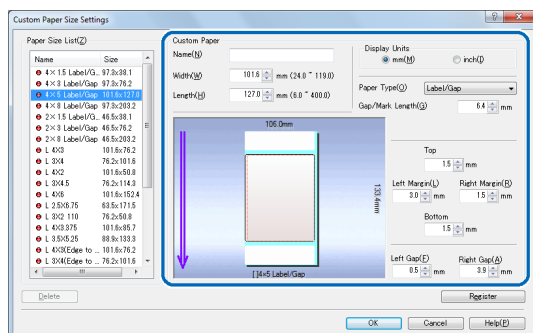
1

Select the basic paper size from [Paper Sizes List].



2

Enter or select the “Name,” “Width,” “Length,” “Margin,” “Gap,” “Display Unit” and “Paper Shape” items in the [Custom Paper] field.



Name	Enter a new paper name. The name can be up to 15 single-byte and double-byte characters long.	
W x L	Enter a numeric value within the allowable range.	
Display Unit	Either mm or inch can be set.	
Shape of Media	Label/Gap	Normal label paper. The leading edge of paper is recognized on detecting a label gap.
	Label/Gap(Edge to Edge)	Select this option to print images with edge to edge.
	Label/Marker	A TOF mark is printed on the back of label paper to identify the leading edge of the paper.
	Label/Marker(Edge to Edge)	Select this option to print images with edge to edge.
	Label/Marker(Custom Shape)	→ 3-8-7 Register TOF Level (P.124)
	Tag/Marker	A TOF mark is printed on the back of tag paper to identify the leading edge of the paper.
	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.
Gap mark length	Set a gap length or mark length for the custom size.	
Paper margins	Enter top and bottom and left and right margins and left and right gaps.	

3. How to Use the Printer Driver

Acceptable user paper size range

Shape of Media	Label/Gap		Label/Marker		Tag/Maker		Label/Tag UnTOF	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Width	24.0	119.0	25.0	120.0	25.0	120.0	25.0	120.0
mm (inch)	(0.96)	(4.76)	(1.0)	(4.8)	(1.0)	(4.8)	(1.0)	(4.8)
Length	6.0	400	6.0	400	6.0	400	6.0	400
mm (inch)	(0.24)	(16.0)	(0.24)	(16.0)	(0.24)	(16.0)	(0.24)	(16.0)
Top margin	1.5	Paper length -3mm -Bottom Margin	1.5	Paper length -3mm -Bottom Margin	1.5	Paper length -3mm -Bottom Margin	1.5	Paper length -3mm -Bottom Margin
mm (inch)	(0.06)		(0.06)		(0.06)		(0.06)	
Bottom margin	1.5	Paper length -3mm -Top Margin	1.5	Paper length -3mm -Top Margin	1.5	Paper length -3mm -Top Margin	1.5	Paper length -3mm -Top Margin
mm (inch)	(0.06)		(0.06)		(0.06)		(0.06)	
Left margin	1.5	Paper width -3mm -Right margin	2.5*	Paper width -3mm -Right margin	2.5*	Paper width -3mm -Right margin	2.5*	Paper width -3mm -Right margin
mm (inch)	(0.06)		(0.1)		(0.1)		(0.1)	
Right margin	1.5	Paper width -3mm -Left margin	2.5*	Paper width -3mm -Left margin	2.5*	Paper width -3mm -Left margin	2.5*	Paper width -3mm -Left margin
mm (inch)	(0.06)		(0.1)		(0.1)		(0.1)	
Gap/Mark	2.5	9.5	3.0	10.0	2.0	10.0	-	-
mm (inch)	(0.1)	(0.38)	(0.08)	(0.4)	(0.08)	(0.4)		
Left Gap	0.5	2.5	-	-	-	-	-	-
mm (inch)	(0.02)	(0.20)						
Right Gap	0.5	95.5	-	-	-	-	-	-
mm (inch)	(0.02)	(3.82)						

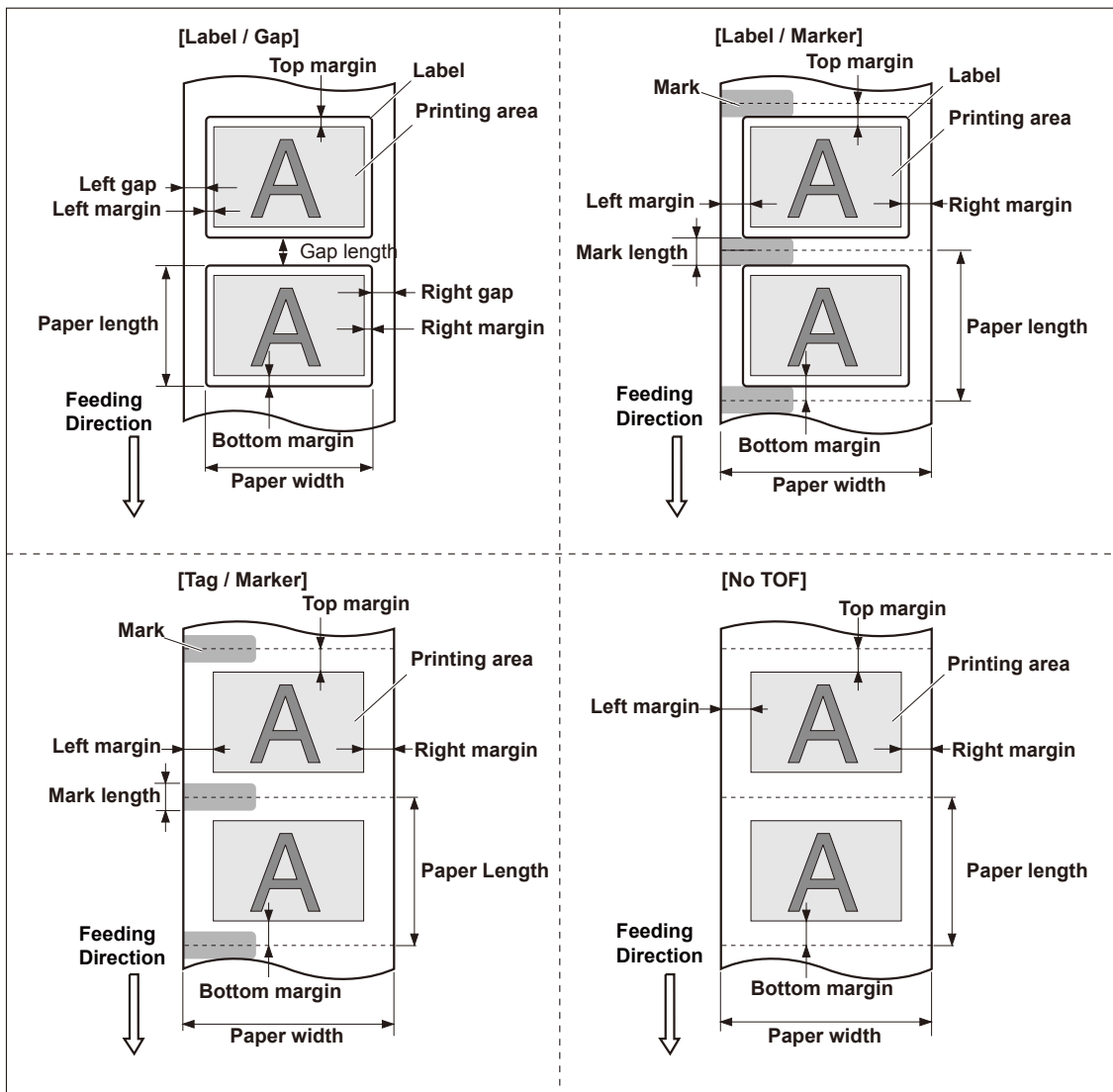
Important

- Paper in paper shape [Label/Gap] must meet the following requirements:
The total of the width of the paper and the left and right gaps is 25.0 mm (1 inch) or more.
The total of the left margin and the left and right gaps is 2.5 mm (0.1 inch) or more.

Note

- A gap is the empty area between the separator (mount) and label (overlay).
- TOF means "Top Of Form."
- A tag refers to a kind of paper that is not sealed.

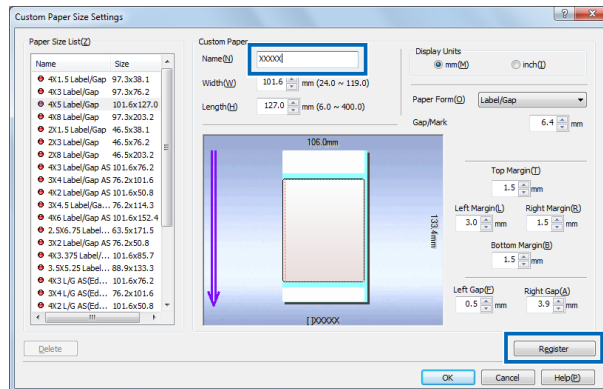
■ Paper setup item confirmation diagram



3. How to Use the Printer Driver

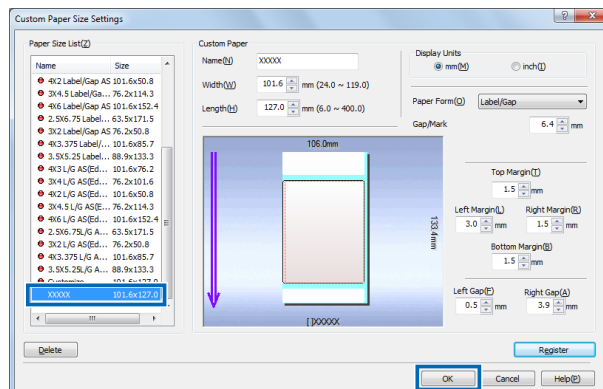
3

When entire entry is completed, click [Register].



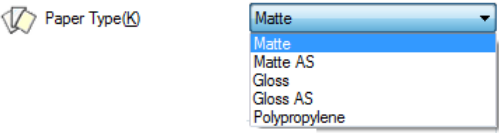
4

Check that the paper name as entered is displayed in the list in [Paper Size List] and click [OK].



3-2-6. Paper Type

In [Paper Type], select the type of paper to print on.
Select [Paper Type] from among the following kinds of paper:



Matte	Matte Coated Paper	Non-glossy paper that fits into a broad range of applications, such as regular printing.
Matte AS	Matte Coated Paper AS	
Gloss	Glossy paper	Glossy paper.
Gloss AS	Glossy paper AS	
Polipropylene	Polypropylene AS	Film media that is less elastic in material and that is hard to tear.

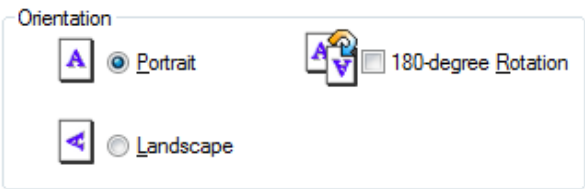
Note

- Remember that, if a paper type that is not supported by the printer is selected in [Paper Type], correct print results would be unpredictable.

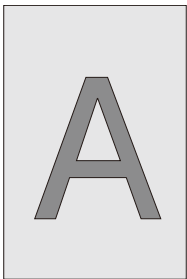
3. How to Use the Printer Driver

3-2-7. Orientation

In [Orientation], select the direction in which to print documents.

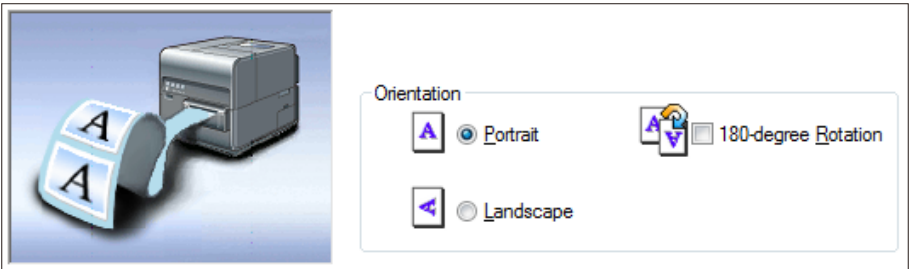
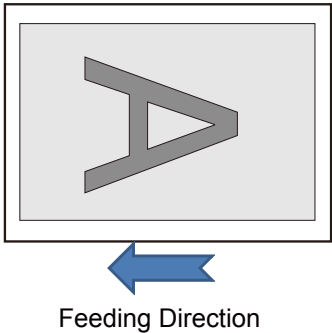


The results of printing of the following kind of document are assumed in the descriptions of the settings that follow.



Portrait

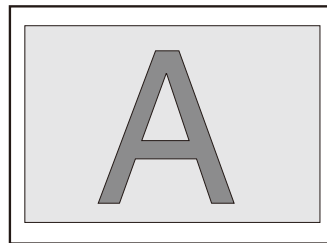
Select this option to print the document rotated 90 degrees to the right in relation to the direction of paper feeding.



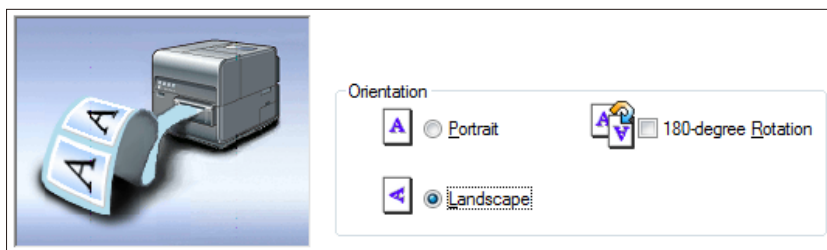
3. How to Use the Printer Driver

Landscape

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



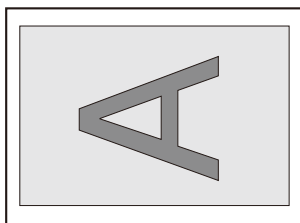
Feeding Direction



180-degree Rotation

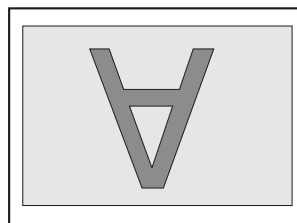
Check this check box to print a document set for [Portrait] or [Landscape] rotated 180 degrees.

Portrait/rotated 180 degrees

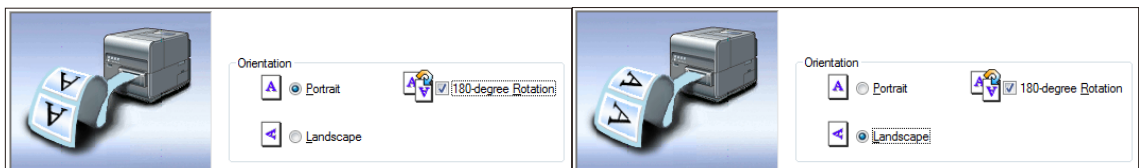


Feeding Direction

Landscape/rotated 180 degrees



Feeding Direction



3. How to Use the Printer Driver

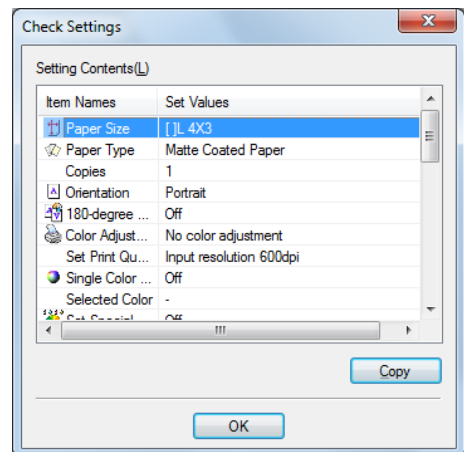
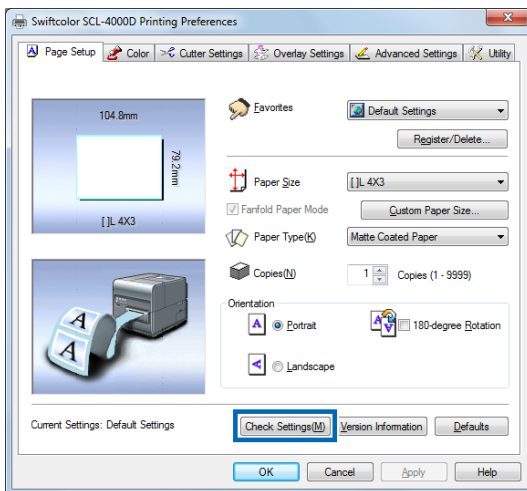
Note

- The current printing direction can be identified in a preview.



3-2-8. Check Settings

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



Note

- The [Copy] button in [Check Settings] is used to copy the current settings to the clipboard in the OS.

3-2-9. Version Information

Information such as version and copyright on the printer driver can be confirmed. Click [Version Information] to open the [Version Info] dialog box.



Click [Obtain Printer Information] to get information on the printer connected.

Note

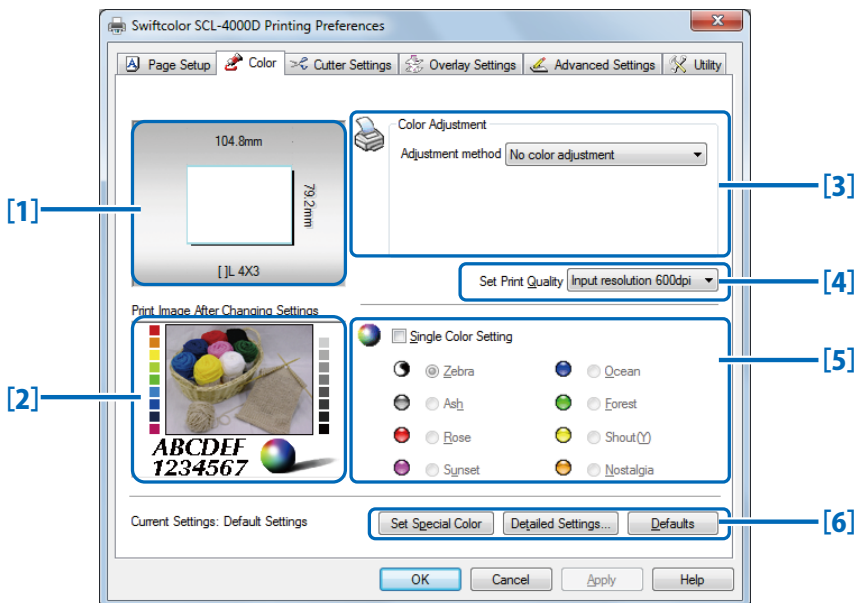
- Serial number: Printer serial number
- ROM Version: Printer ROM version
- Printer information may not be collected depending on the status of printer connection.
 - Not connected to the printer.
 - Telecommunications lines or networks are busy.

3. How to Use the Printer Driver

3-3 Using the Color Dialog Box

The [Color] sheet is described below.

The [Color] sheet is used to set print picture quality and colors.



[1] Paper Size Preview

The currently set paper size is displayed in a preview.

[2] Print image of print data reflecting changes to the settings

A print image of the print data that has been subjected to color adjustment is displayed in a preview.

[3] Color Adjustment

Specify the optimal method of color processing using the driver's color correction function.

→ 3-3-1. Color Adjustment (P.71)

[4] Set Print Quality

Select an input resolution between [fine] (1200dpi) and [fast] (600dpi).

→ 3-3-2. Set Print Quality (P.72)

[5] Single Color Setting

Prints color image data in a specified single color.

→ 3-3-3. Single Color Settings (P.73)

[6] Set Special Color

Special Color Registration must have been completed in the [Utility] sheet to import.

→ 3-8-4. Pinpoint Color Matches (P.106)

Detailed Setting

Set [Color Balance], [Brightness], [Density], [Contrast], [Half-tone Process], [Level Correction] and [Sharpness].

→ 3-4 Using the Detailed Settings Dialog Box (P.74)

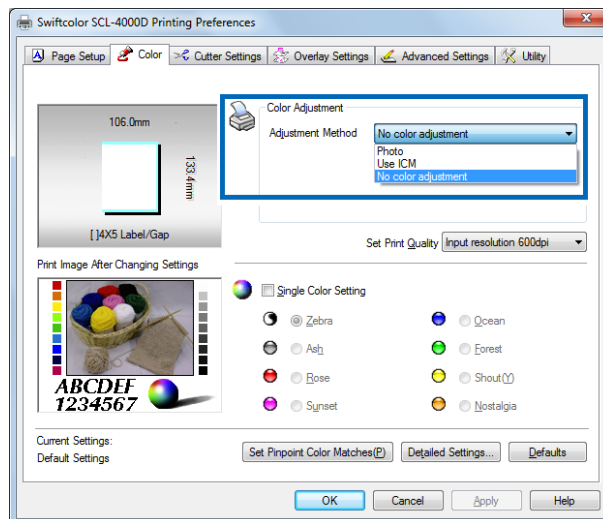
Defaults

Reset [Color] to its defaults.

3-3-1. Color Adjustment

[Color Adjustment] adjusts the tint to suit documents.

[Color Adjustment] is selectable from the following four items:



Photo

Performs color adjustment optimized for the printer.
Select this option to print images with pictures.

Use ICM

Select this option to correct colors using the Windows color correction function of ICM (Image Color Management).

No color adjustment

No color adjustment.

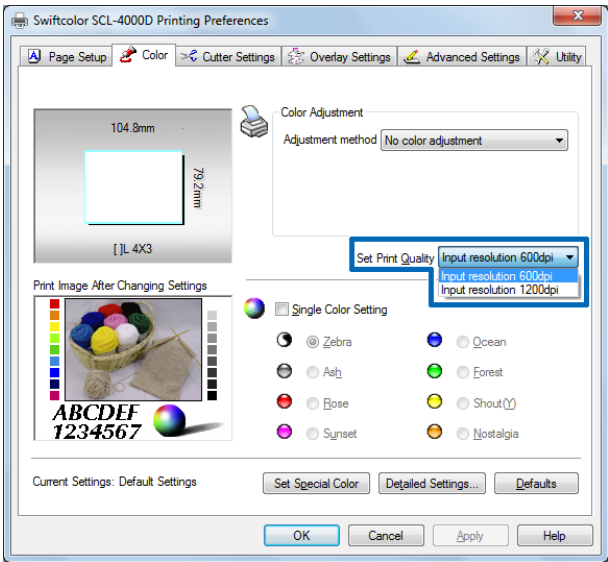
3. How to Use the Printer Driver

Note

- If print data includes both pictures and graphics, select “With pictures.” If the print data is text only, select “With graphics.”
- If [Use ICM] has been selected in [Color Adjustment], [Brightness] in [Detailed Settings] would appear grayed and would not be functional.

3-3-2. Set Print Quality

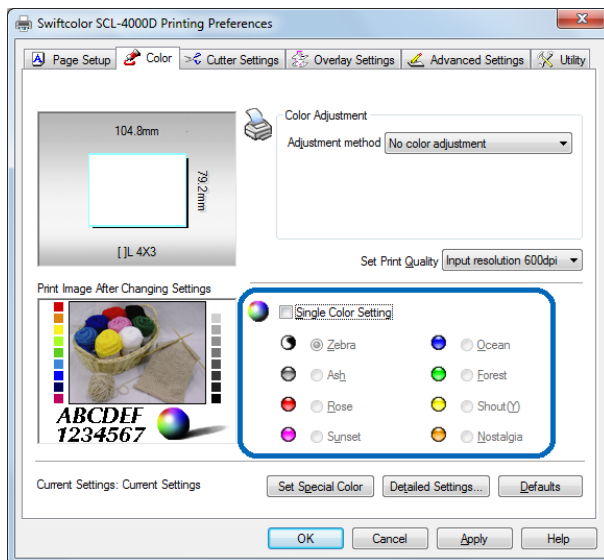
Set the print quality.



Input resolution 1200dpi	Prints at 1200 x 1200 dpi.	Prints data after processing it for a resolution of 1200 × 1200 dpi.
Input resolution 600dpi	Prints at 600 x 600 dpi.	Prints data after processing it for a resolution of 600 × 600 dpi.

3-3-3. Single Color Settings

[Single-Color Setting] prints multi-colored documents in a single color.



To print in a single color, click the [Single-Color Setting] check box and check-select the color to use. To cancel the single-color option, uncheck [Single-Color Setting].

Zebra	Prints in Black and White only.	Prints using Black ink only.
Ash	Prints in a Gray single color.	Prints using all the four-color inks.
Rose	Prints in a Red single color.	
Sunset	Prints in a Purple single color.	
Ocean	Prints in a Blue single color.	
Forest	Prints in a Green single color.	
Shout	Prints in a Yellow single color.	
Nostalgia	Prints in a Sepia single color.	

Note

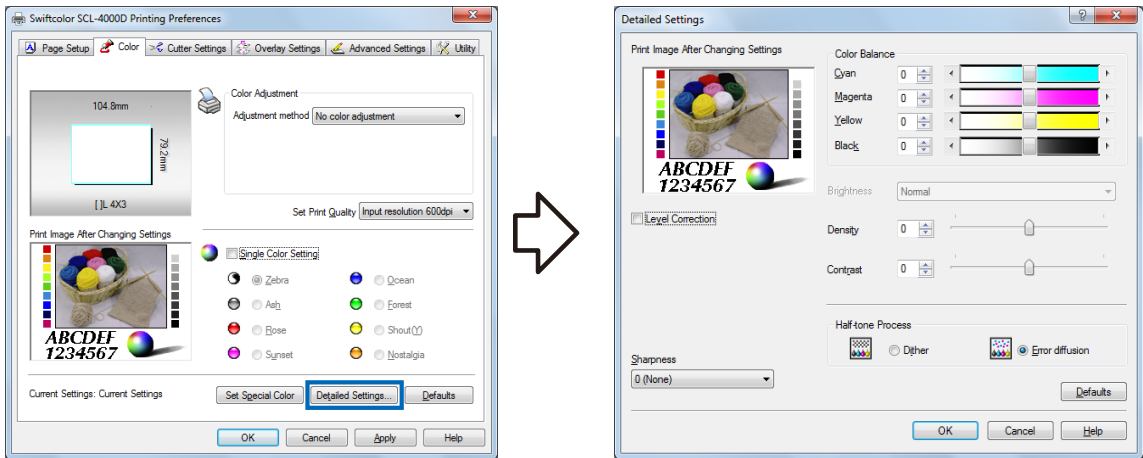
- If [Zebra] is selected, [Color Adjustment] in "Color Processing" and [Color Balance], [Brightness], [Density], [Contrast] and [Level Correction] in [Detailed Settings] would appear grayed and would not be functional.
- If the [Single-Color Setting] check box is unchecked, all single-color print settings are overridden by gray-scale representation.

3. How to Use the Printer Driver

3-4 Using the Detailed Settings Dialog Box

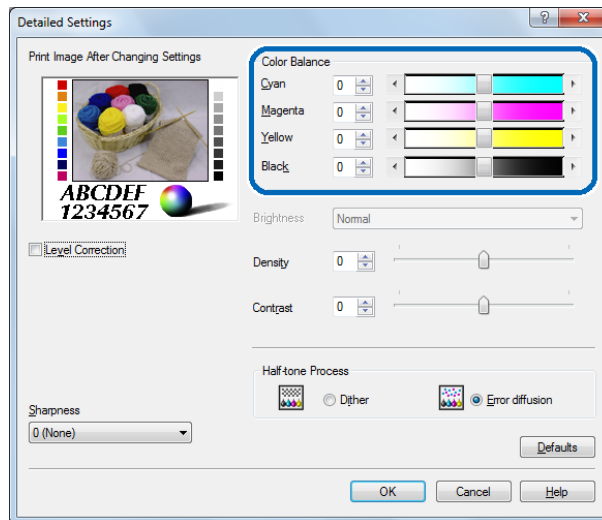
The [Detailed Settings] dialog box is described below.

Use the [Detailed Settings] dialog box to enter more detailed settings in the [Color] sheet.



3-4-1. Color Balance

[Color Balance] adjusts the density of Cyan, Magenta, Yellow and Black.



Either drag the slider or type a value directly to adjust the density.

Set the density between -50 and +50.

The slider represents the standard density setting (0) at the middle. Drag the slider to the left for a lighter image and to the right for a darker image. When the adjustment process is complete, click [OK].

Note

- A value can be also entered by clicking the entry box on the left side of the slide bar. Further, click the buttons at both ends of the slide bar to increment or decrement the current value by one.

3-4-2. Brightness

[Brightness] adjusts brightness if the print results appear too dark or bright as a whole.

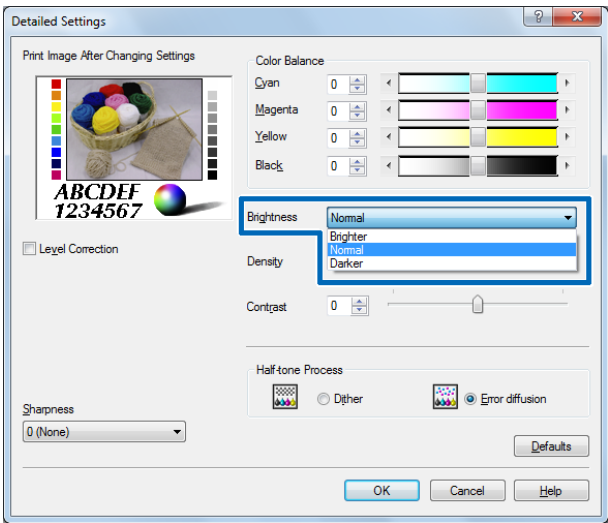
This adjustment adjusts the brightness of intermediate colors without varying the shading of the darkest and brightest portions.

Note

- In performing [Brightness], set [Color Adjustment] in the [Color] sheet to [With pictures] or [With graphics]. [Brightness Adjustment] would not be available with [No Color Adjustment] or [Use ICM] selected.

3. How to Use the Printer Driver

[Brightness] is selectable from the following three choices:

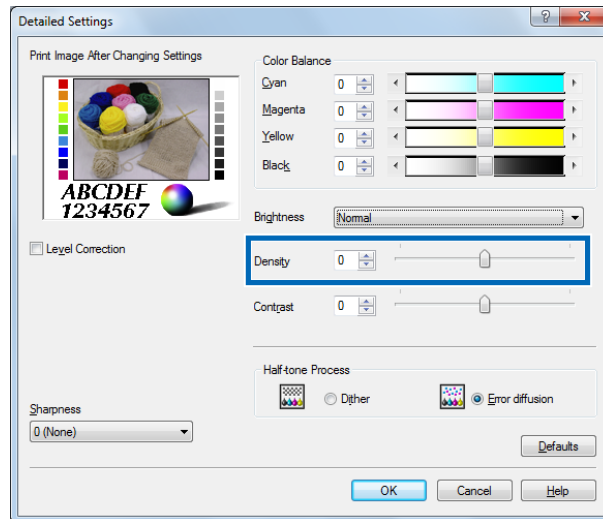


Brighter	Nears a monitor having a gamma function of 1.4.
	Prints the data bright.
	Select this option when the print results are felt too dark.
Normal	Nears a monitor having a gamma function of 1.8.
	Prints with regular brightness.
	Print with this setting first. Then, select [Bright] or [Dark] to suit the print results as needed.
Darker	Nears a monitor having a gamma function of 2.2.
	Prints the data dark.
	Select this option when the print results are felt too bright.

After the setup, click [OK].

3-4-3. Density

Drag the [Density] slider to determine over all density.



Set the density between -50 and +50.

The slider represents the standard density setting (0) at the middle. Drag the slider to the left for a lighter image and to the right for a darker image. When the adjustment process is complete, click [OK].

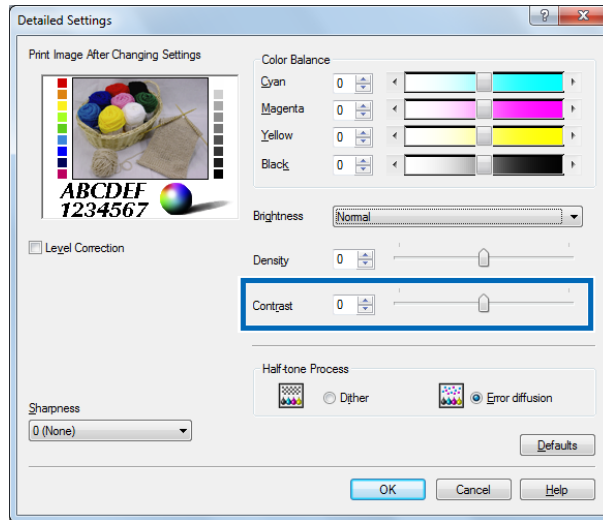
Note

- A value can also be entered by clicking the entry box on the left side of the slide bar. Further, click the buttons at both ends of the slide bar to increment or decrement the current value by one.
- Click [Defaults] to initialize the printer to the factory defaults.

3. How to Use the Printer Driver

3-4-4. Contrast

Drag the [Contrast] slider to determine overall contrast.



Set the contrast between -50 and +50.

The slider represents the standard contrast setting (0) at the middle. Drag it to the left to get a smoother tone representation with a broader width between the dark and bright edges. Dragging the slider too far will make images look blurred.

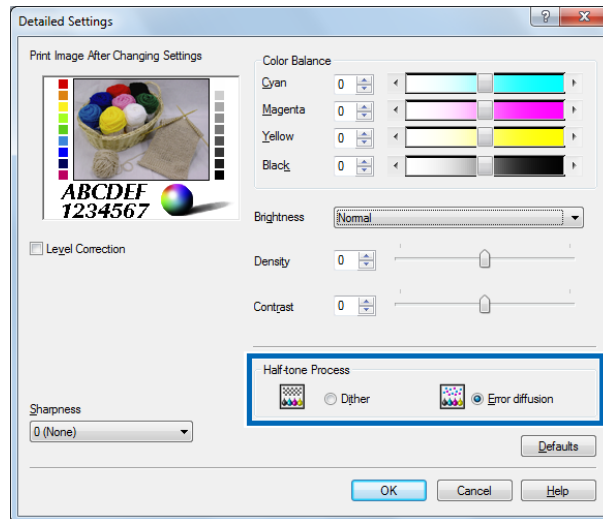
The farther the slider is dragged to the right, the darker dark portion of image will appear. Or the whiter, white portion of image will appear. But the tone of colors will be lost. After the setup, click [OK].

Note

- Contrast refers to the width (tolerable) from the Black portion of an image to the White portion.
- A value can be entered by clicking the entry box on the left side of the slide bar.
- Click [Defaults] to initialize the printer to the factory defaults.

3-4-5. Halftone Process

Click either the dither or error diffusion check box.



Dither

Arranges dots regularly to represent halftones. This is suitable for printing graphics or similar materials in which color boundaries need to appear crisp.

Error diffusion

Arranges dots randomly to represent halftones. This is suitable for printing pictures that dictate delicate gradation.

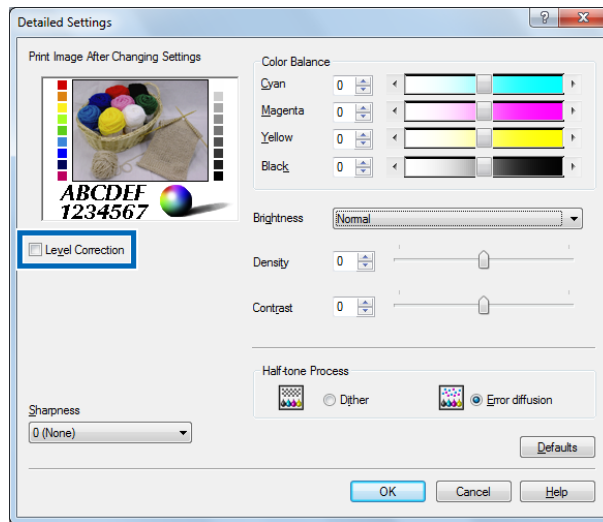
After the setup, click [OK].

3. How to Use the Printer Driver

3-4-6. Level Correction

[Level Correction] enhances the contrast of images when they appear to have low contrast (lacking clear distinction between darkness and brightness) in the print results. Level correction prints the bright portion of a document brighter and the dark portion darker.

To carry out level correct, click-select the [Level Correction] check box. If level correction is not required, uncheck the [Level Correction] check box.



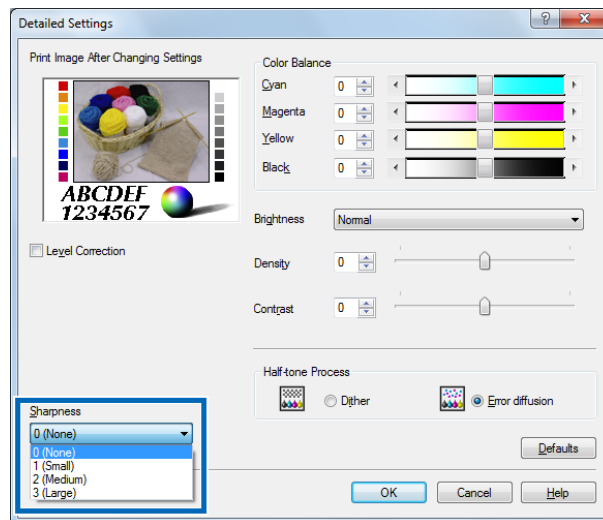
After the setup, click [OK].

3-4-7. Sharpness

[Sharpness] sharpens images when they appear blurred as a whole in the print results.

Sharpness is selectable in a pulldown menu from among 0 (No), 1 (Low), 2 (Medium) and 3 (High).

The setting is displayed on the left side of the slider.



0(None)	Disables sharpness processing.
1(Small)	Enables sharpness processing.
2(Medium)	Enables sharpness processing.
3(Large)	Enables sharpness processing.

After the setup, click [OK].

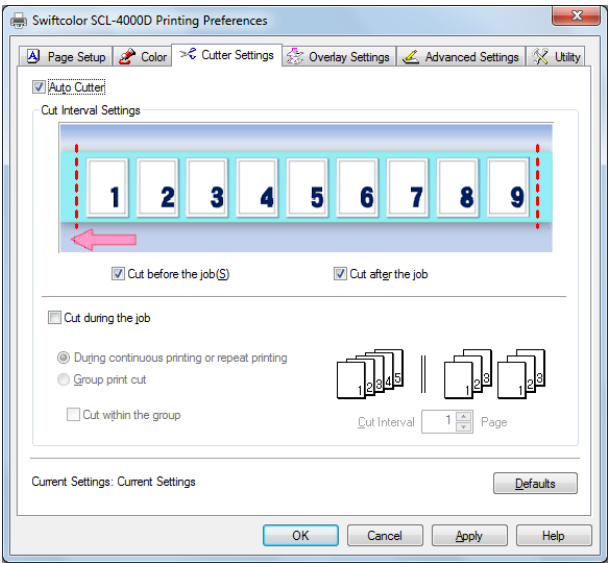
3-5 Using the Auto Cutter Dialog Box

The [Cutter Settings] sheet is described below.

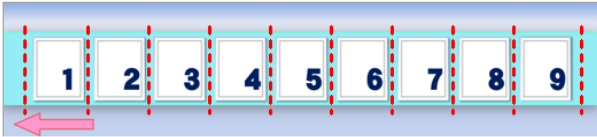
Note

- The [Cutter Settings] sheet can be used only with printers that are equipped with an optional auto-cutter.

Set a paper cutting position and cutting intervals to let paper cut automatically. [Cut before the job] and [Cut after the job] come checked by default.



[1]	Auto Cutter	Set an auto-cutter operation.
[2]	Cut Interval Settings	Set a cutting interval.
	Check [Cut before the job] and [Cut after the job].	

	Check "Cut during the job" and "During continuous printing or repeat printing."	
	Check "Cut during the job" and "Group print cut."	
	Check "Cut during the job," "Group print cut" and "Cut within the group."	

Note

- A Red line (dotted line) appears at the cutting position.
- For [Cut before the job] and [Cut after the job], these options are selectable by checking or unchecking the option in [Cut during the job].

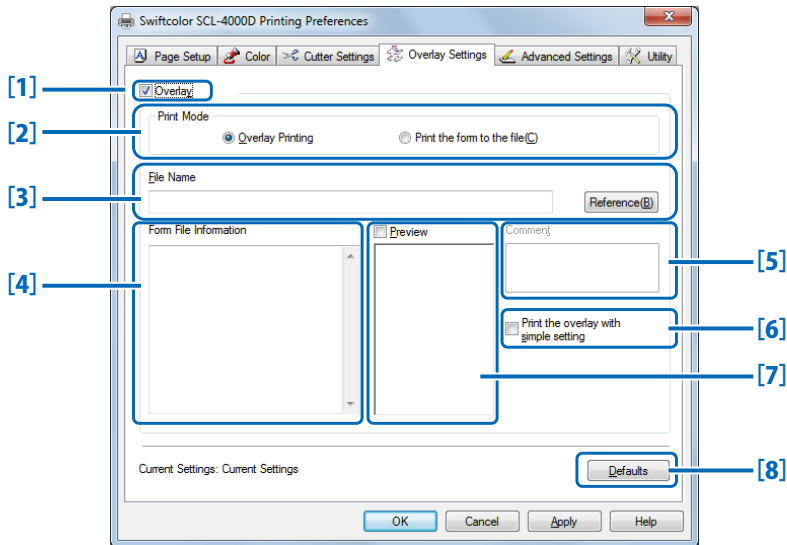
For more detailed usage instructions, see Chapter 7, "Auto-Cutter."

→ [7.Auto Cutter \(P.226\)](#)

3-6 Using the Overlay Settings Dialog Box

The [Overlay Settings] sheet is described below.

In overlay printing, a background image that has been created as a form file beforehand can be overlaid with a foreground image or text on printing.



- | | |
|--|--|
| [1] Overlay | If this option is checked, overlay printing is enabled. |
| [2] Print Mode | Set up for overlay printing or form file creation. |
| [3] File Name | Set the file path of a form file used for overlay printing or where to save the form file. |
| [4] Form File Information | Displays print setup information about the form file that has been selected in [File Name]. |
| [5] Comment | Displays the title of the form file that has been selected in [File Name]. |
| [6] Print the overlay with simple setting | Set whether to perform masking or overlaying on the form file and print data. |
| [7] Preview | If this option is checked, the file that has been selected in [File Name] is displayed in a preview. |
| [8] Defaults | Reset the overlay setting to the default. |

Note

- This function will not work properly if the printer driver of the server is configured for shared use and a client uses that shared printer server to perform printing.

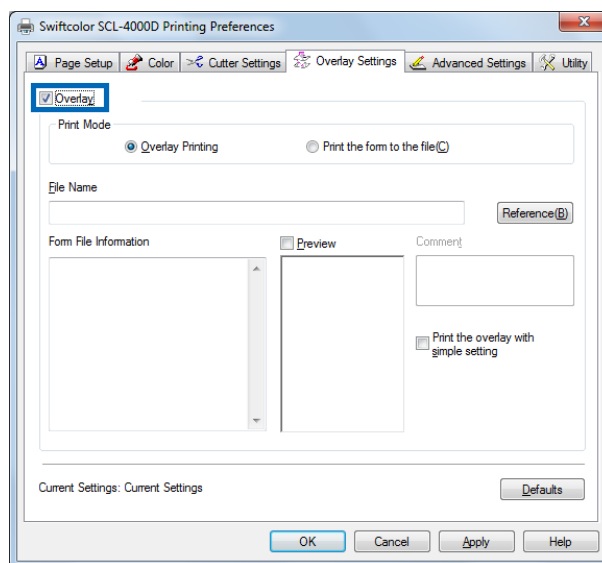
3-6-1. Create Form

To create a form file, check that the printer is in the online mode.
Create a form file (background image) to be used for overlay printing.

Note

- Create image data in an application for printing.

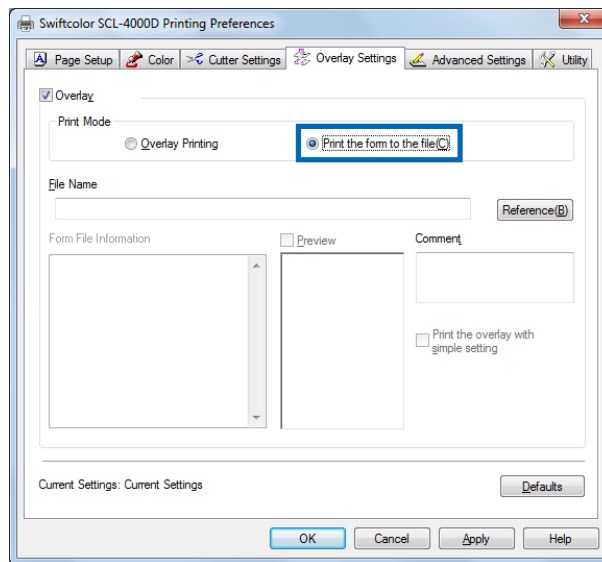
- 1 Select [Print] and the like from the application with which image data has been created, select "Swiftcolor SCL-4000D" as a printer name and select [Properties], [Advanced Settings] and so on.
- 2 Click the [Overlay] tab in the [Swiftcolor SCL-4000D Properties] dialog box in the printer driver to open the [Overlay] sheet.
Check [Overlay].



3. How to Use the Printer Driver

3

Next, check [Print the form to the file] in [Print Mode].

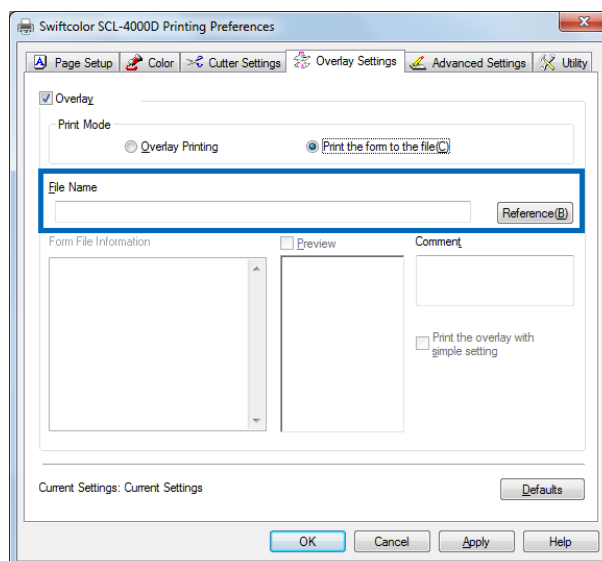


4

Specify [File Name] and location to save the file.

Click [Reference] and set a file name and location to save the form file.

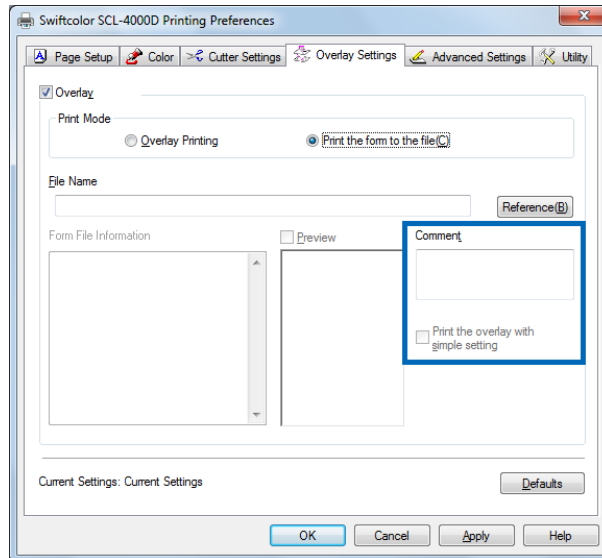
- File Name: Set any name.
- Location to save file: Decide a location to save and create a folder with a name.



5

Enter [Comment].

The comment can be up to 31 single-byte and double-byte characters long, but its entry can be safely omitted.



6

When the setup is complete, click [OK].

7

When the print execution window appears again, click [Print].

Prints data to be used as a form file.

8

The data is saved in the folder created in Step 4 as a form file.

Note

- Even if multi-page print data is created as a form file, it is also saved as a single file.

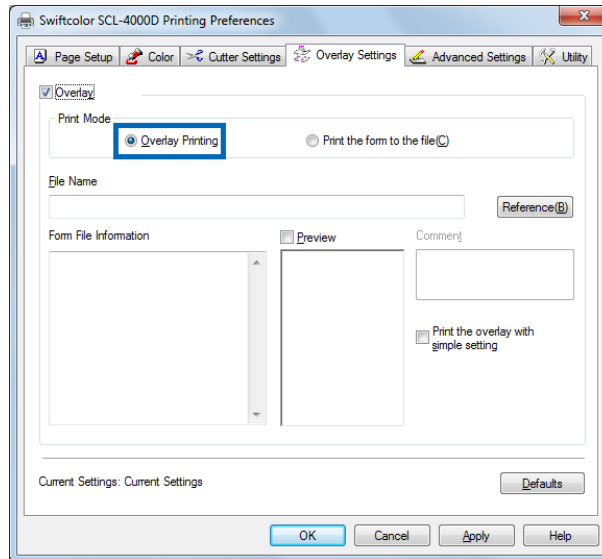
3. How to Use the Printer Driver

3-6-2. Overlay Printing

Uses the form file created for overlay printing.

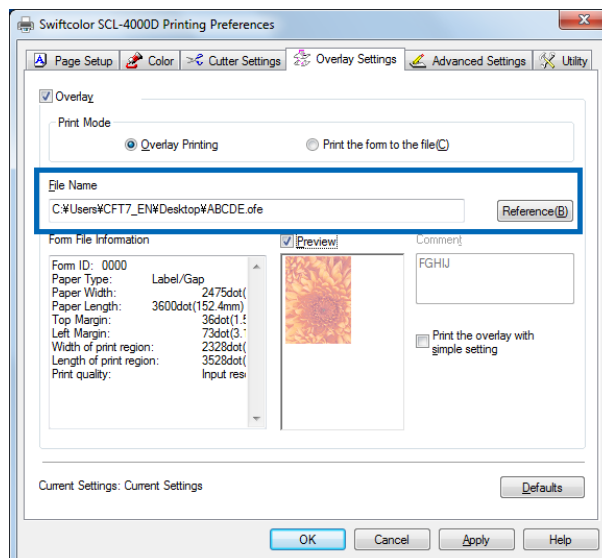
1

Check [Overlay Printing] in [Print Mode].



2

Click [Reference] to select the form file that has been created.
Check the selected form file in [Form File Information] and [Preview].

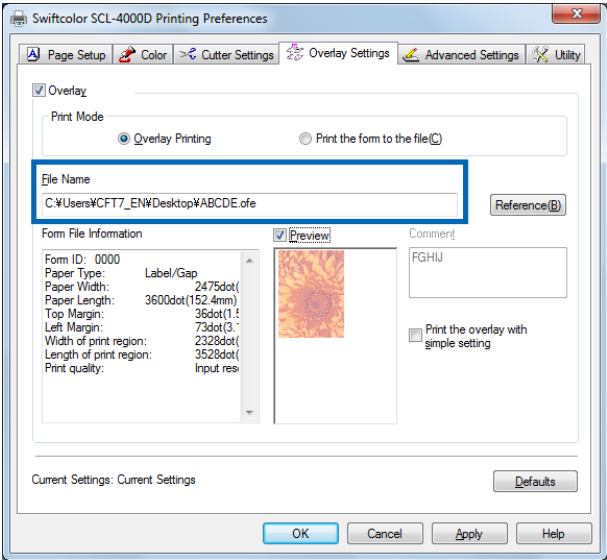


3

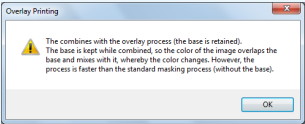
Click [OK].

Note

- If a print job is executed with [Print the Overlay with simple setting] checked, the form file and print data are overlaid with each other (foundation preserved).



	Print the Overlay with simple setting	Handling	Content
[1]	Check Off	Prints data overlaid with a form file by masking (void foundation).	Overlay printing with a void foundation helps preserve the original image colors.
[2]	Check On -If checked, a warning will be displayed.	Prints data overlaid with a form file with the foundation preserved.	Because of overlay printing with the foundation preserved, the image is discolored as its colors overlap the foundation. Processing is made faster than [Standard].



3. How to Use the Printer Driver

4

Executes a print job.

Print data is printed overlaid with the form file.

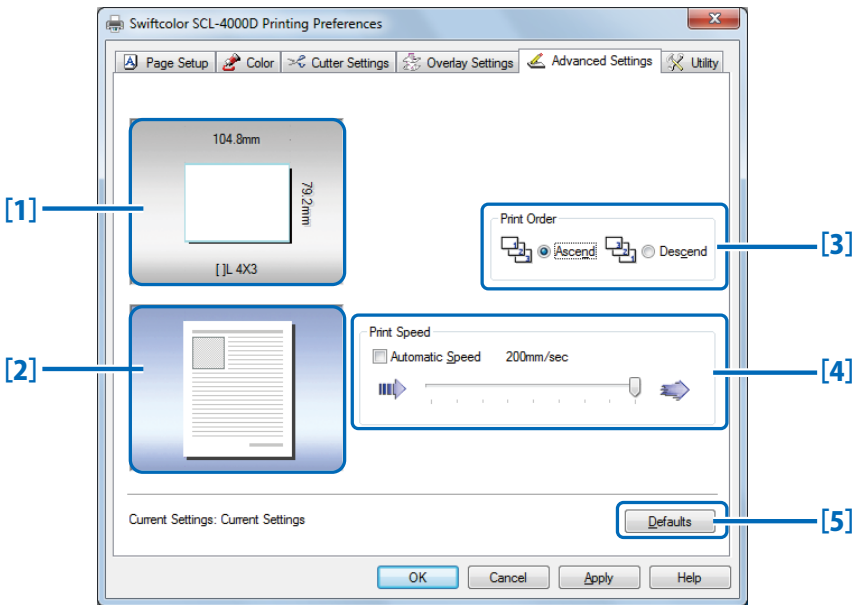
Note

- Overlay printing would be disabled if the print setup information differs between the print data and the form file.
- When a document is printed in single-color zebra, it can be overlaid with form data even if it varies in the number of colors.
- Overlay printing may not work if the printer driver with which the form has been created has an invalid version or the like. In this case, create a form file with the printer drive to be used for overlay printing.
- [Form File Information] or [Preview] may not be displayed depending on the form file.

3-7 Using the Advanced Settings Dialog Box

The [Advanced Settings] sheet is described below.

The [Advanced Settings] sheet is used to set a print Order, print speed and so on.

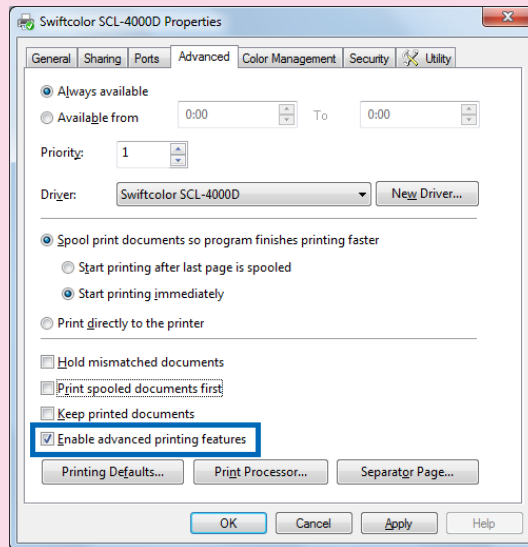


[1]	Page Layout	
	A preview of the image to be printed will be displayed.	
[2]	Form File Information Display	
	If overlay printing has been set, print setup information in the form data appears.	
[3]	Print Order	
	Set the order of printing.	→ 3-7-1. Print Order (P.92)
[4]	Print Speed	
	Set the printing speed.	→ 3-7-2. Print Speed (P.93)
[5]	Defaults.	
	Resets [Advanced Settings] to the defaults.	

3. How to Use the Printer Driver

Important

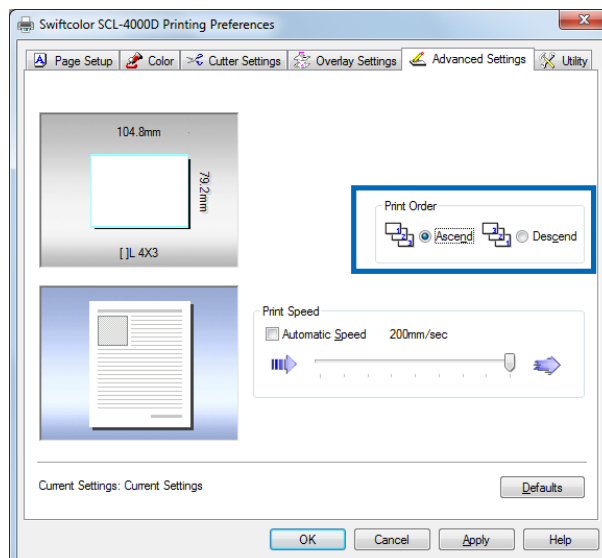
- The setting of [Print Order] is disabled unless [Enable Advanced Printing Features] is checked in the [Advanced Settings] sheet in the [Swiftcolor SCL-4000D Properties] dialog box.



3-7-1. Print Order

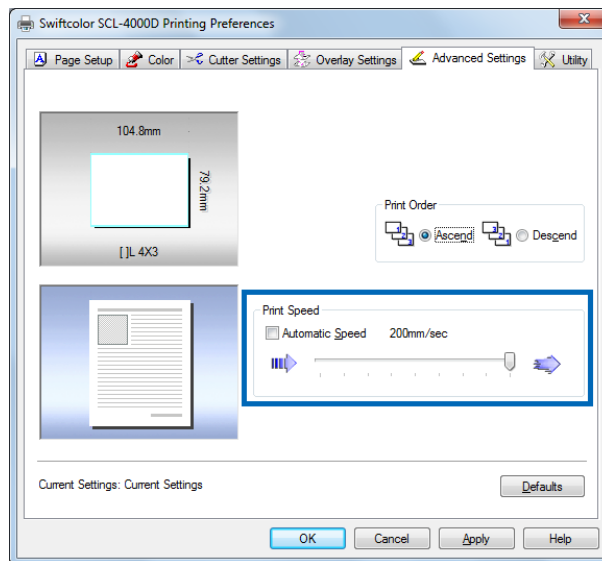
Decide on whether to start printing from the first or last page.

To print from the first page afterwards, select [Ascending Order]; to print from the last page upward, select [Descending Order].



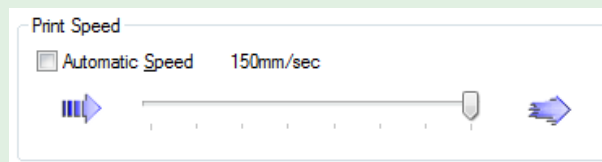
3-7-2. Print Speed

Printing can be performed at gradually varying printing speeds.
The default has been set to the fastest [200 mm/sec].



■ For SCL-4000P Users

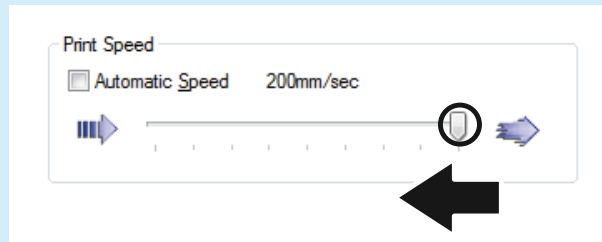
- The fastest setting value for SCL-4000P is [150mm/sec].



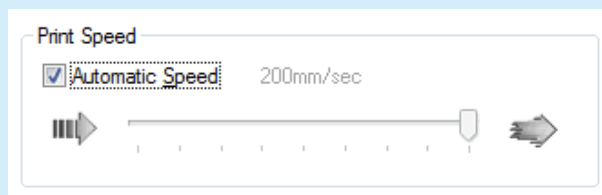
3. How to Use the Printer Driver

Note

- Normally, the slider is located at its right most position. Dragging the slider from the right to the left makes it possible to switch to a slower print speed gradually. Adjust the print speed to get synchronized with a downstream device, such as a paper take-up device, or to keep images from being affected by the speed.



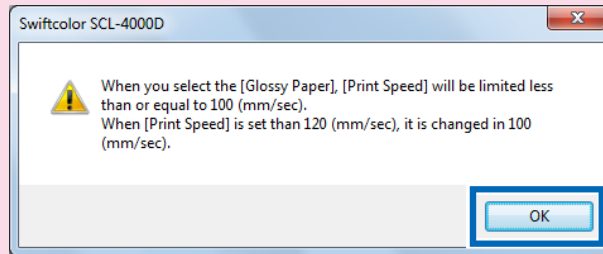
- Check [Auto Speed] to allow the print speed to vary automatically to suit the status of print data transmission.



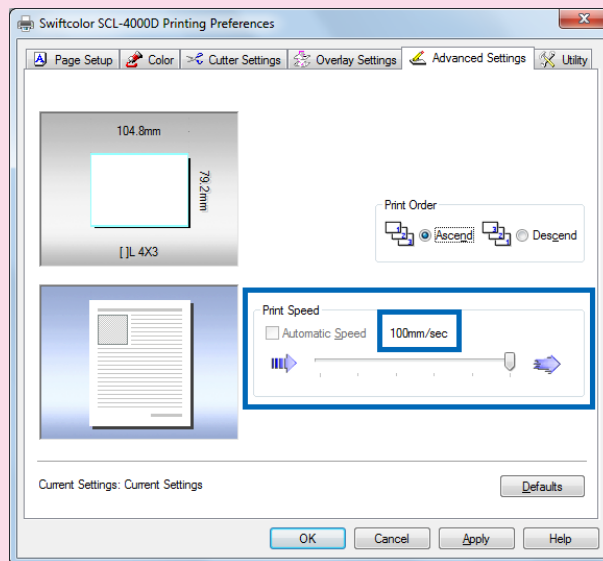
Important

If glossy paper is selected

- If [Glossy Paper] is selected in [Paper Type], a warning is displayed to limit the printing speed.



- [Print Speed] in [Advanced Settings] in the printer driver is maximum at 100 mm/sec.



[Auto Speed] is switched off if it has been turned on.

■ For SCL-4000P Users

- When using glossy paper with the auto cutter, set [Printing Speed] of 100mm/sec to 70mm/sec for high density printing.

3. How to Use the Printer Driver

3-8 Using the Utility Dialog Box

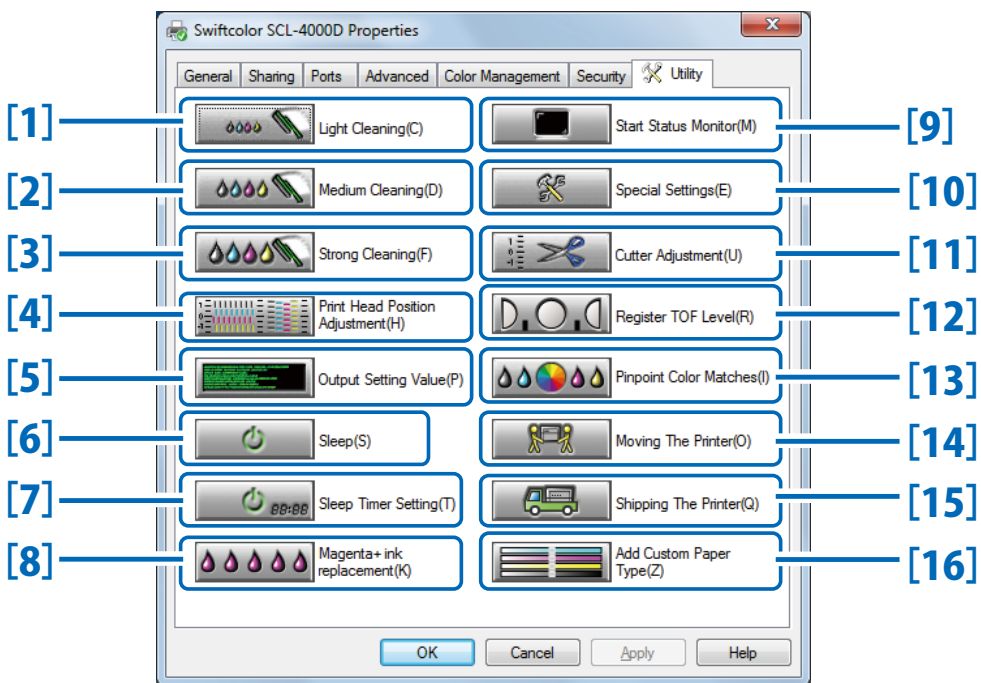
The [Utility] sheet is described below.

The [Utility] sheet is used to configure settings for the printer maintenance, power saving and so on. Open the [Utility] sheet also when starting the Status Monitor.

1 Select [Devices and Printers] from the Start menu in Windows.

2 Select and right-click on [Swiftcolor SCL-4000D].

3 Select [Printer Properties] and click the [Utility] tab.



[1] Light Cleaning

Cleans the Printheads.

→ 5-1 Cleaning the Printhead (P.140)

[2] Medium Cleaning

Performs cleaning somewhat stronger than Light Cleaning.

→ 5-1 Cleaning the Printhead (P.140)

[3] Strong Cleaning

Performs cleaning somewhat stronger than Medium Cleaning.

→ 5-1 Cleaning the Printhead (P.140)

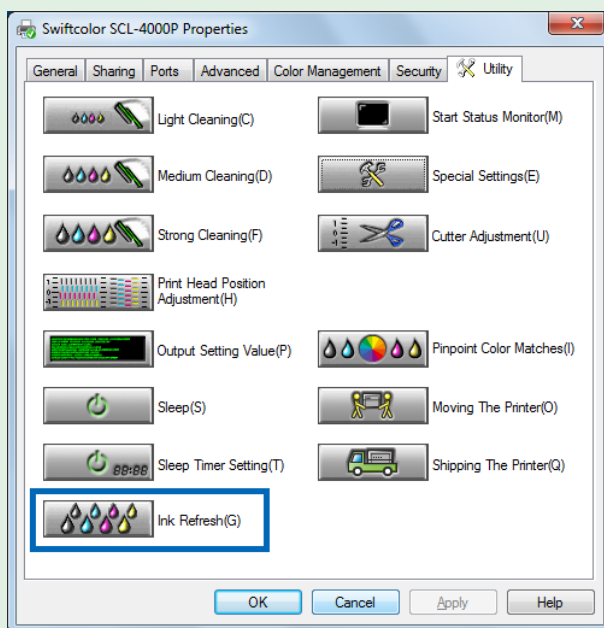
[4]	Print Head Position Adjustment	Adjusts the Printhead positions. → 5-2 Adjusting the Printhead Position (P.142)
[5]	Output Setting Value	Prints the current settings of the printer. → 5-4 Check the Output Setting Value (P.170)
[6]	Sleep	Switches the printer to the sleep mode. → 3-8-1. Sleep (P.100)
[7]	Sleep Timer Setting	Sets the interval of time to elapse to switch to the sleep mode and the power-off state. → 3-8-2. Sleep Timer Settings (P.101)
[8]	Magenta+ ink replacement [Only for Dye Ink Model]	It is used when changing ink to New Magenta Ink [SCL-D400M+]. (This function is not used if [SCL-D400M+] ink has already been used.)
[9]	Start Status Monitor	Displays the Status Monitor window. → 4-1-1. Starting the Status Monitor (P.127)
[10]	Special Settings	Configure custom printer settings. → 3-8-5. Special Settings (P.115)
[11]	Cutter Adjustment	Adjusts the stop position at which to cut printed paper with the manual cutter and the position at which to cut printed paper with an optional auto-cutter. → 3-8-3. Adjust Paper Stop Position (P.104)
[12]	Register TOF Level	Registers a specific value without using the TOF automatic adjustment function of the printer. → 3-8-7 Register TOF Level (P.124)
[13]	Pinpoint Color Matches	Prints an image with colors close to the desired colors. → 3-8-4. Pinpoint Color Matches (P.106)
[14]	Moving The Printer	Prepares for relocating the printer on the same floor or to another floor in the same building. → 8-1 Moving the Printer (P.243)
[15]	Shipping The Printer	Prepares for long-haul transport, as on truck or aboard aircraft. → 8-2 Shipping the Printer (SecondaryTransportation) (P.246)
[16]	Add Custom Paper Type	Allows the user to adjust ink jetting amounts and register them along with the paper type of new paper. → 3-8-6. Add Custom Paper Type (P.119)

3. How to Use the Printer Driver

■ For SCL-4000P Users

- The button to start Ink Refresh.

→ 5-10 Perform the Ink Refresh (water-based pigment ink model only) (P.188)



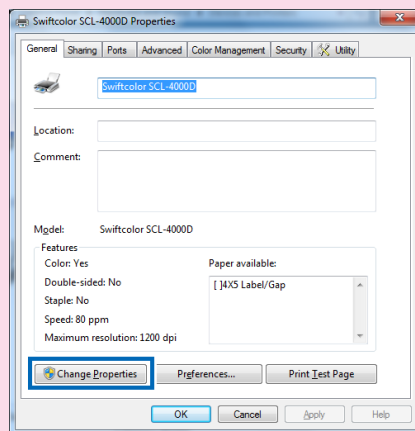
Important

- The printer must be turned on and connected to the computer to set items in the [Utility] sheet.
- To use [Print Head Position Adjustment], [Sleep Timer Setting], [Special Settings], [Cutter Adjustment], [Register Special Color], [Moving The Printer], or [Shipping The Printer] displayed on the utility sheet, log in with the Administrator privilege.

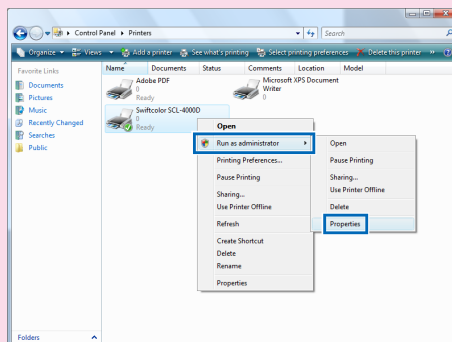
If you log in using an authority other than Administrator, you cannot perform the operation. However, you can perform the operation by getting the Administrator privilege temporarily.

<To perform the above-mentioned operation using an authority other than the Administrator privilege.>

Windows 7: Open [Printer Properties], and then click [Change Properties] on the [General] sheet. If the “User Account Control” screen appears, enter the Administrator password, and then click [Yes].



Windows Vista: Right-click on the printer driver icon, and then select [Run as administrator]→[Properties]. If the “User Account Control” screen appears, enter the Administrator password, and then click [Yes].



3. How to Use the Printer Driver

3-8-1. Sleep

Click [Sleep] to switch the printer to the sleep mode.

Note

- The printer cannot be switched to sleep mode while it is printing.
- The printer enters the sleep mode automatically when it has been left idle for a certain period of time under normal conditions of operation.
- The printer emerges from the sleep mode and enters the normal state (ready to print) automatically in the following situations:
 - The [POWER] key is pressed.
 - A print job has been initiated from the computer.
 - Cleaning or any other operation has been initiated from the computer.

1

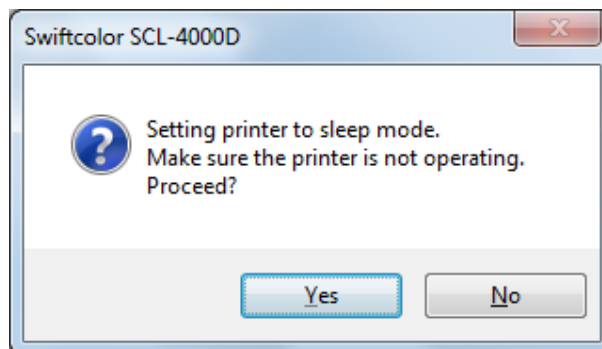
Check that the printer is in the online mode.

Check that the status lamp is lit.

2

Click [Sleep].

The confirmation dialog box appears.



3

Click [Yes].

The printer enters the sleep mode with the power lamp blinking.

Note

- The printer would be inoperable if it is turned off. If so, press the [POWER] key to turn on the printer.

3-8-2. Sleep Timer Settings

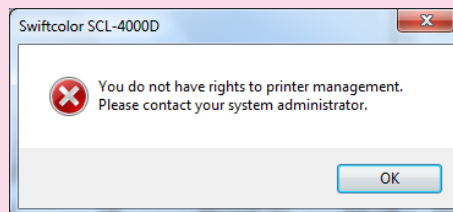
[Sleep Timer Setting] allows you to set the time for the printer to enter the sleep mode automatically when the printer has been left idle for a certain period of time or when no print data has been received from the printer, and the time for the printer to be turned off subsequently.

Note

- The time interval setting of the sleep timer cannot be changed while printing is in progress or an error persists.
- [Sleep Timer Setting] defaults to 4 minutes.
- Off Timer Setup defaults to 240 minutes. The setting can be turned "ON" or "OFF."
- Two kinds of setup are available: "Sleep Timer Setup" and "Off Timer Setup."

Important

- If a warning is issued when you press the [Sleep Timer Setting], refer to the following:

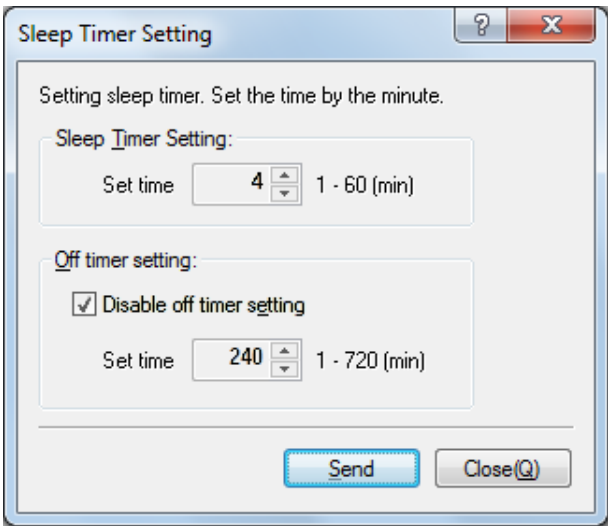


→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)

3. How to Use the Printer Driver

- 1
- Check that the printer is in the online mode (Power key lit in green).
- If the printer is not in the online mode, press the Power key to place it into the online mode.

- 2
- Click [Sleep Timer Setting].
- The [Sleep Timer Setting] dialog box appears.



- 3
- Enter time.
- Enter times for the sleep timer and the off timer from the keyboard or using the  ,  buttons to the right of the entry box.

Name	Setting range(m)	Addressable resolution	Function
Sleep timer setting	1-60	1 minute	Setting to enter the sleep mode.
Off timer setting	1-720	1 minute	Setting to enter the power-off state (Set the time longer than that for the sleep timer)

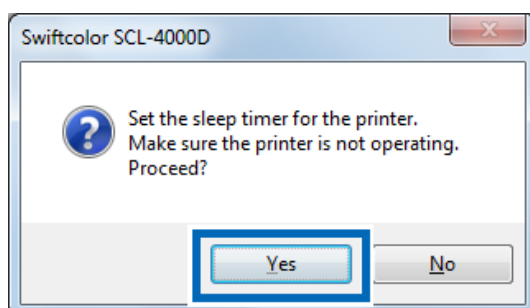
Note

- Off-Timer Setting can be toggled between “Checked (enabled)” and Unchecked “(disabled)” as needed.

4

Click [Send].

The confirmation dialog box appears.



5

Click [Yes].

The time set for the sleep timer changes.

3. How to Use the Printer Driver

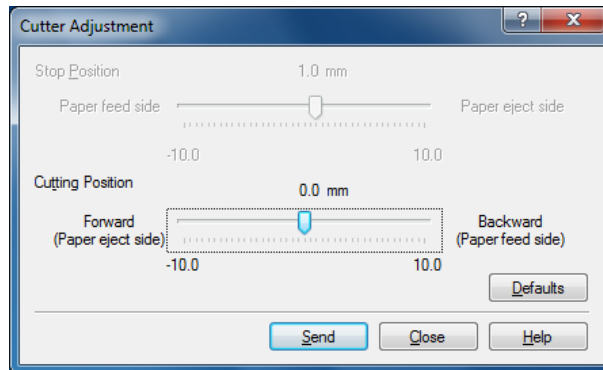
3-8-3. Adjust Paper Stop Position

The stop position at which to cut printed paper with the manual cutter can be adjusted.

1

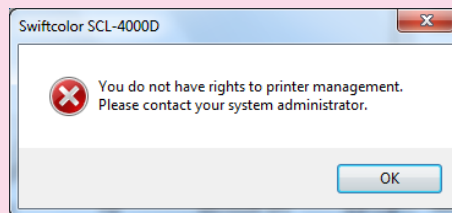
Click [Cutter Adjustment].

The [Cutter Adjustment] dialog box appears.



Important

- If a warning is issued when you press the [Cutter Adjustment], refer to the following:



→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)

2

Drag the [Stop Position] slider to adjust the stop position.

Note

- The slider represents the standard position setting (0) at the middle. Drag the slider to the left to locate a stop position in the feeding direction or to the right to locate one in the paper delivery direction.
- The stop position can be set in increments of 0.5 mm between -10.0 and +10.0 mm. (The display unit is selectable between millimeter and inch.)
- Click [Reset to Defaults] to reset the stop position to its default.

3

Click [Send].

The confirmation dialog box appears.

4

Click [Yes].

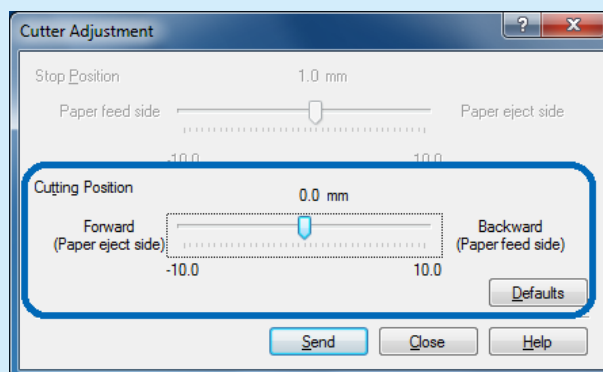
The stop position adjusted is transmitted to the printer. Condition of the paper.

5

Perform test-printing to make sure that the printer has stopped in the middle between two sheets of paper before starting an actual print job.

Note

- The setting of [Stop Position] works only on the paper position at which to cut printed paper with the manual cutter and is not functional when an optional auto-cutter is used.
- If the printer is furnished with an optional auto-cutter, [Cutting Position] can be adjusted. It can be adjusted the same way as the stop position is set.



3. How to Use the Printer Driver

3-8-4. Pinpoint Color Matches

[Pinpoint Color Matches] allows you to create and register colors for special color matching, as for logo marks.

This setup method matches the printer colors with the colors in need.

Note

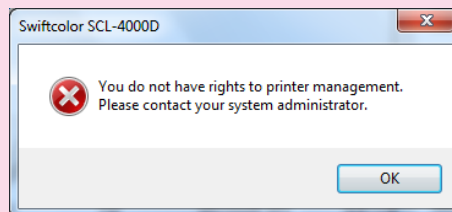
- [Pinpoint Color Matches] is a tool to create a color as similar as possible to the target color when the color of the printed image is different from the target color.

Determine the RGB value (one of 256 tones) of your desired color using Paint. Next, determine the color of the image to be printed using [Pinpoint Color Matches].

- Be sure to determine one target color. [Pinpoint Color Matches] cannot be used for images created through gradation.
- If an image created using the same RGB value as that of the target color exists in the same data, the registered color is also reflected in this image.

Important

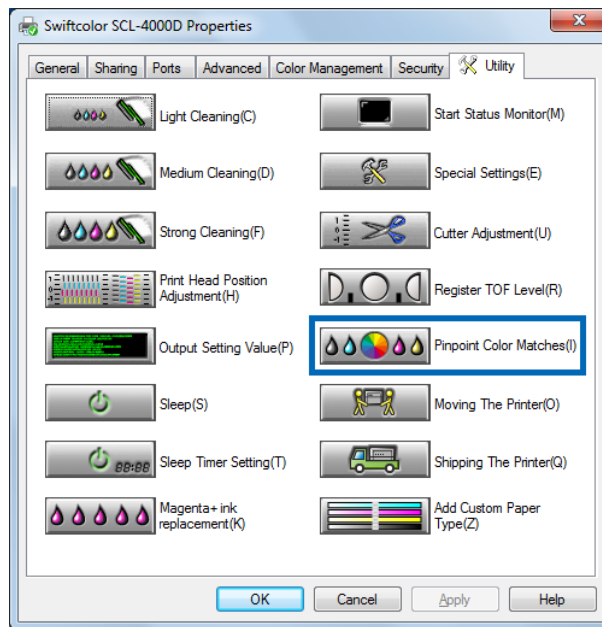
- If a warning is issued when you press the [Register Special Color] or [Pinpoint Color Matches], refer to the following:



→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)

1

Click [Pinpoint Color Matches].



Important

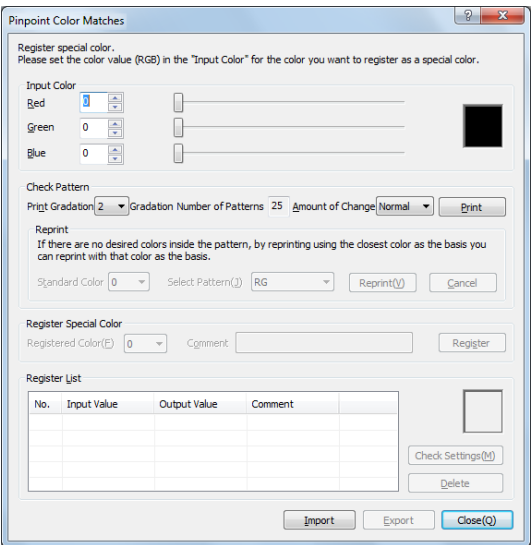
- If [Use ICM] is selected in "Color Adjustment" or [Zebra] is selected in "Single Color Setting", a warning is displayed and [Pinpoint Color Matches] cannot be used.

→ 3-3-1. Color Adjustment (P.71)

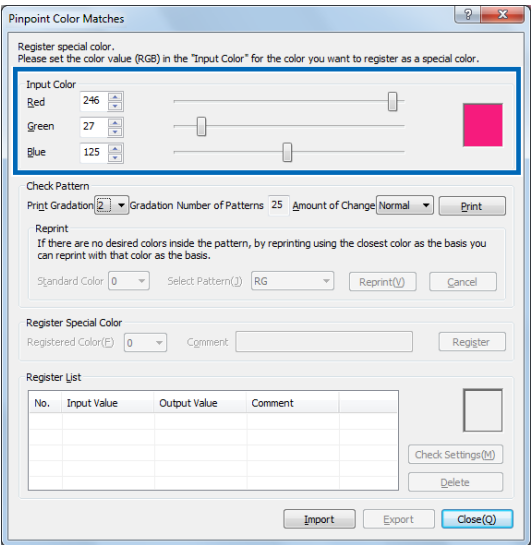
→ 3-3-3. Single Color Settings (P.73)

3. How to Use the Printer Driver

2 [Pinpoint Color Matches] window appears.



3 Read the values of R/G/B from the source image. Enter the read values into Red (R)/Green (G)/Blue (B) in the sheet.

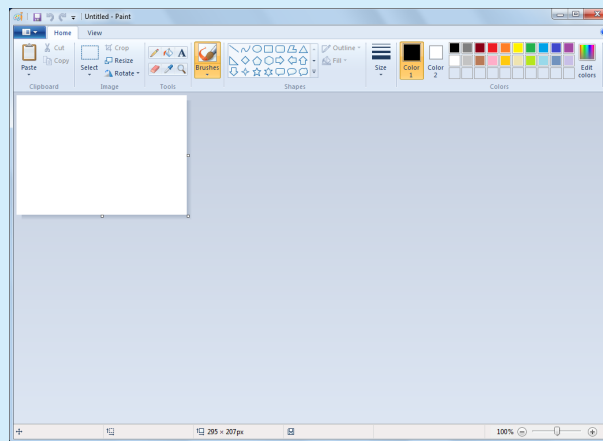


Note

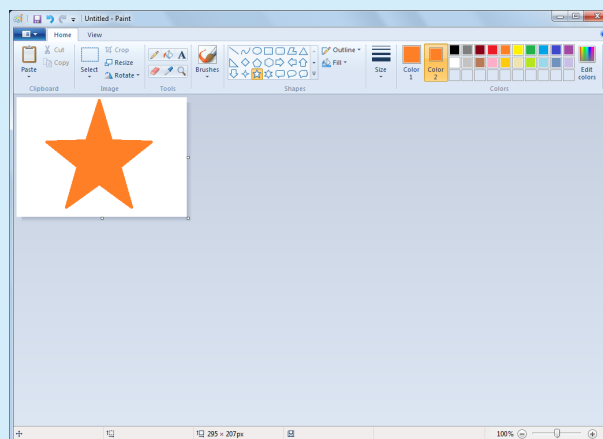
- To read the R/G/B values from a source image that is subject to color matching, such as a logo mark, use an image processing program, such as “Paint,” which comes standard with Windows.

■ R/G/B value reading procedure (when using “Paint”)

1. Start “Paint,” which comes standard with your computer (Windows).

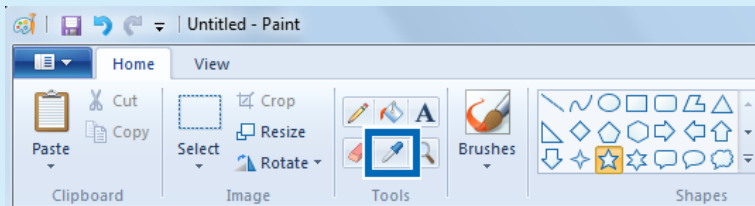


2. Open an image for color matching in “Paint.”

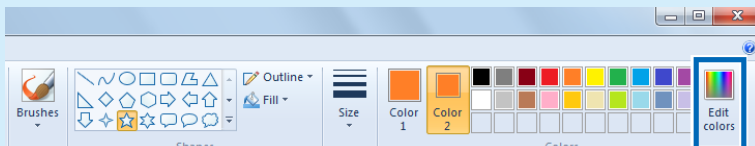


3. How to Use the Printer Driver

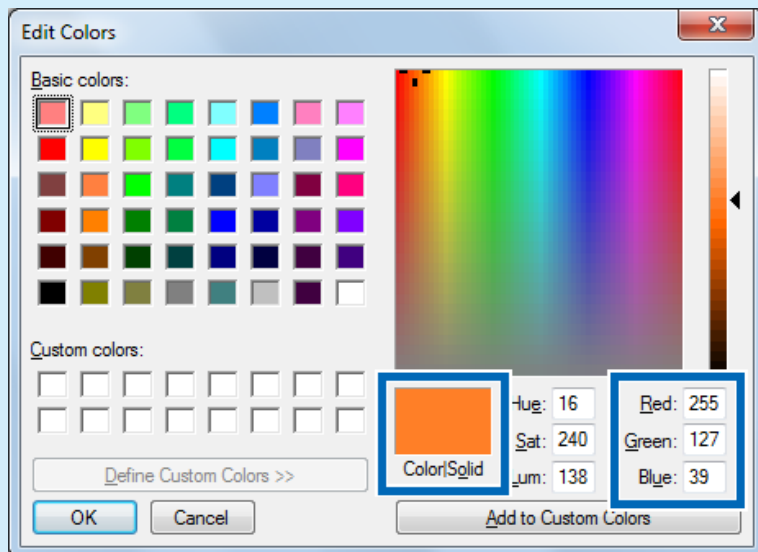
3. Click the image with the [Eyedropper] tool.



4. Next, click [Edit Colors].



5. [Color/Pure Color] displays the colors captured with [Eyedropper], with [Red/Green/Blue] serving as R/G/B values.



6. Enter the values of [Red/Green/Blue] into Red, Green and Blue in [Input Colors].

4

Print 25 square color pallets to designate color samples that represent approximate values 0 to 24.

Click [Print].

Pinpoint Color Matches

Register special color.
Please set the color value (RGB) in the "Input Color" for the color you want to register as a special color.

Input Color

Red 246
Green 27
Blue 125

Check Pattern

Print Gradation 2 Gradation Number of Patterns 25 Amount of Change Normal **Print**

reprint
If there are no desired colors inside the pattern, by reprinting using the closest color as the basis you can reprint with that color as the basis.

Standard Color 0 Select Pattern(J) RG Reprint(Y) Cancel

Register Special Color

Registered Color(F) 0 Comment Register

Register List

No.	Input Value	Output Value	Comment

Check Settings (M) Delete

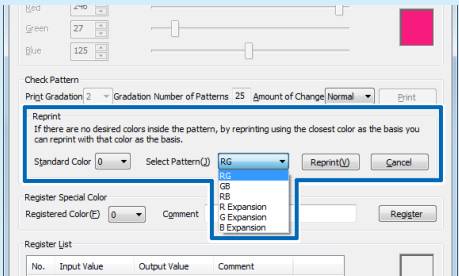
Import Export **Close (Q)**

0	1	2	3
R:246 G:27 B:125	R:249 G:27 B:125	R:252 G:27 B:125	R:249 G:30 B:125
4	5	6	7
R:246 G:30 B:125	R:246 G:33 B:125	R:243 G:30 B:125	R:243 G:27 B:125
8	9	10	11
R:240 G:27 B:125	R:243 G:24 B:125	R:246 G:24 B:125	R:246 G:21 B:125
12	13	14	15
R:249 G:24 B:125	R:246 G:27 B:128	R:246 G:27 B:131	R:249 G:27 B:128
16	17	18	19
R:249 G:27 B:122	R:246 G:27 B:122	R:246 G:27 B:119	R:243 G:27 B:122
20	21	22	23
R:243 G:27 B:128	R:246 G:30 B:128	R:246 G:24 B:128	R:246 G:30 B:122
24			
R:246 G:24 B:122			

3. How to Use the Printer Driver

Note

- [Reprint] is not used if the target color is found in the color sample printed.
- If the target color is not found, create a color close to it by performing [Reprint].



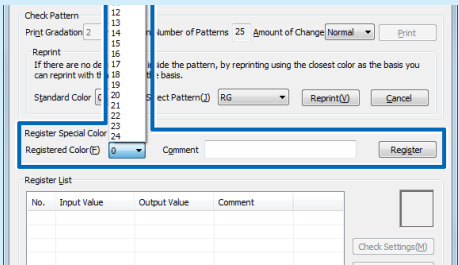
1 Enter the number of the color closest to the target color in [Base Color].

2 Select a color pattern in [Pattern Selection].
Select a color pattern by determining which of RGB needs to be enhanced with regard to the target 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.
R Expansion	Change the values of 3 colors across the board and then increase or decrease the value of Red.
G Expansion	Change the values of 3 colors across the board and then increase or decrease the value of Green.
B Expansion	Change the values of 3 colors across the board and then increase or decrease the value of Blue.

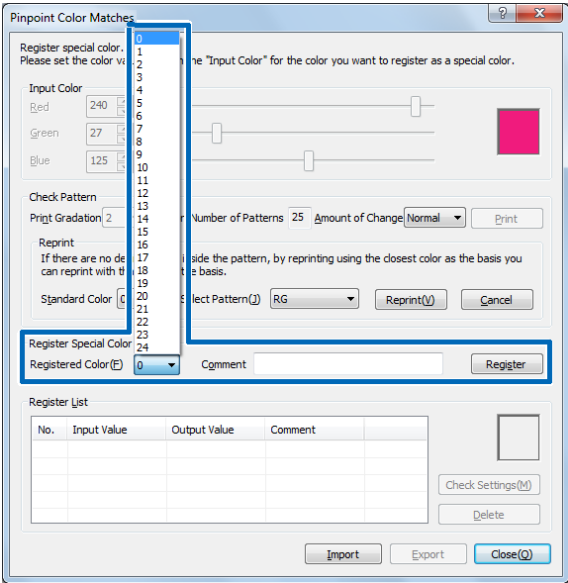
3 Click [Reprint].

4 If the target color is found in the color samples printed, select a number in [Registered Color] and click [Register].



5

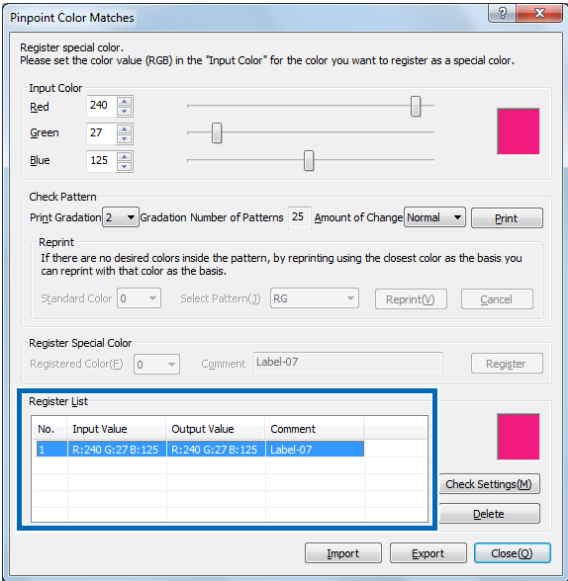
Check the printed color pallet and select the number of the color that is closest to "Input Color" from among 0 to 24, enter any name in the "Comment" field and click [Register].



6

Displayed in the "Register List."

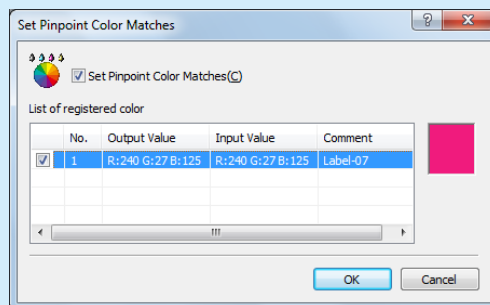
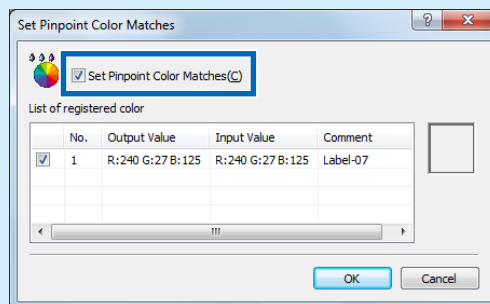
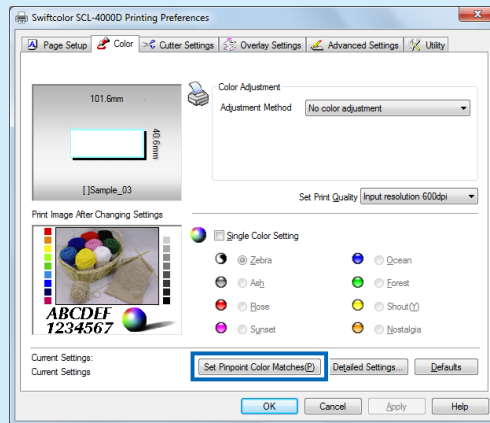
Click the registered cell to preview it.



3. How to Use the Printer Driver

Note

- Use [Import] and [Export] to print created special colors on any other printer and to print special colors that have been created on any other computer.
- To check to see if a color has been registered or not, click [Printing Preferences]→[Color]→[Set Pinpoint Color Matches] and view [List of registered color].

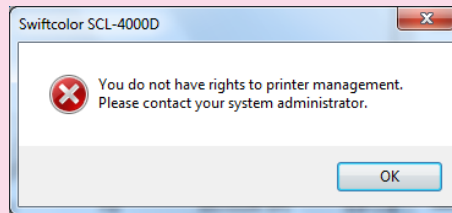


3-8-5. Special Settings

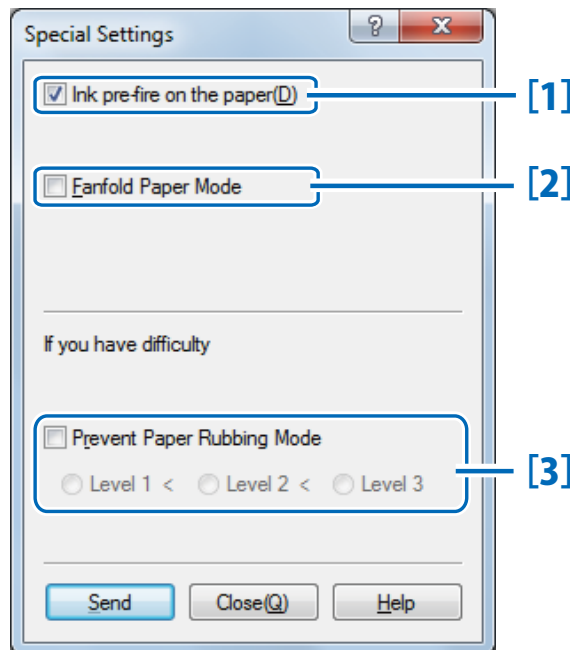
[Special Settings] normally needs not be set. Set it when using the printer in an extraordinary environment or fanfold paper and so on.
The default state is shown below.

Important

- If a warning is issued when you press the [Special Settings], refer to the following:



→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)



3. How to Use the Printer Driver

[1]	Ink pre-fire on the paper	Discharges negligible amounts of inks on the paper surface to keep the Printheads running at all times so that inks will not be stuck in the Printheads (nozzles) for unused colors, thereby preserving Printhead performance. This option is turned on by default.
	Check on	On
	Check off	Off
[2]	Fanfold Paper Mode	Select this option when fanfold paper is used. This option comes off by default. → 1-5 Using Fanfold Paper (P.25)
	Check on	On (Fanfold paper)
	Check off	Off (Roll paper)
[3]	Prevent Paper Rubbing Mode	Reduces contact between the Printheads and paper. Check the check box first and then proceed to check Levels 1 to 3. This option comes unchecked by default.
	Level 1	Raises the Printheads from the paper to reduce their contact with the paper.
	Level 2	Maximizes paper suction to reduces contact with the paper.
	Level 3	Executes Levels 1 and 2 simultaneously.

Important

- Be sure to uncheck [Fanfold Paper Mode]. The roll holder will not automatically rotate when using roll paper if this mode remains checked.

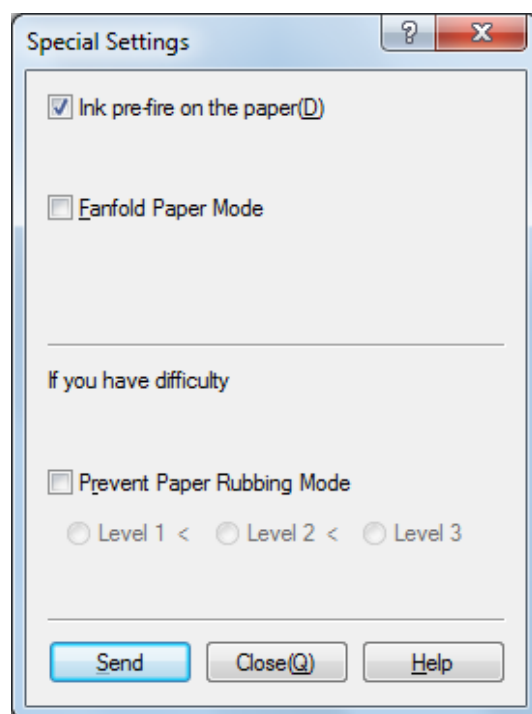
Note

- [Special Settings] cannot be set while printing or when an error has occurred.
- When using fanfold paper, be sure environment settings are at least 15 degree and 40% humidity to avoid affects to the image.

1

Click [Special Settings].

The [Special Settings] dialog box appears.



2

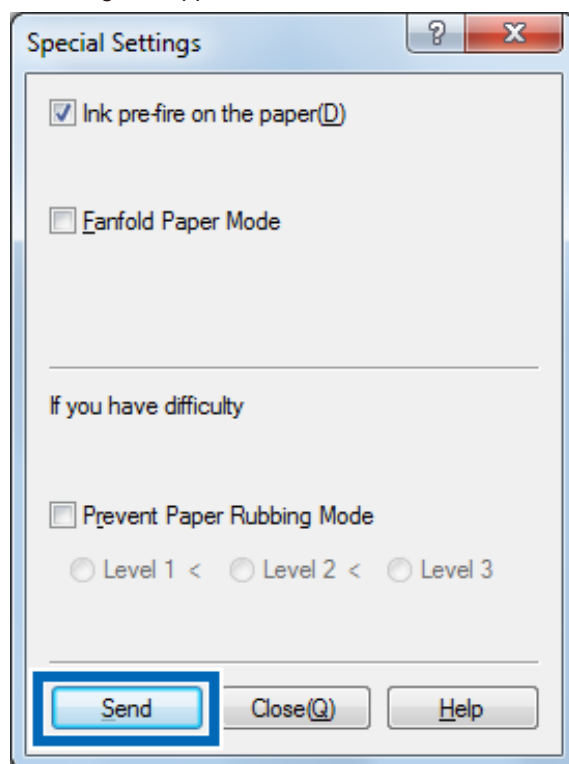
Click the [Special Settings] to use and select or deselect them.

3. How to Use the Printer Driver

3

Click [Send].

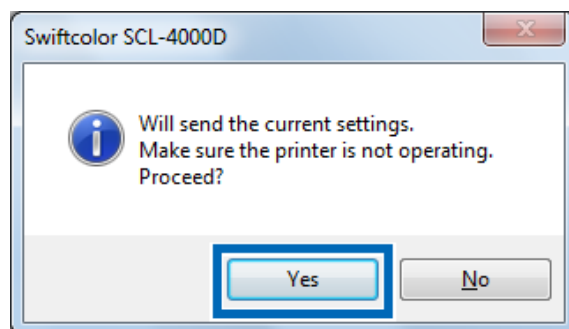
The confirmation dialog box appears.



4

Click [Yes].

The settings are transmitted to the printer to take effect.



5

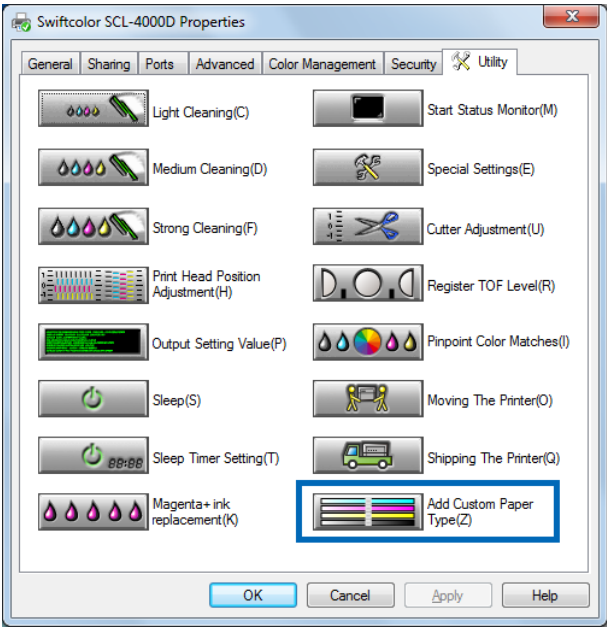
Click [Close].

3-8-6. Add Custom Paper Type

Up to 10 custom paper types can be added, and ink jetting amounts can be set for respective paper types.

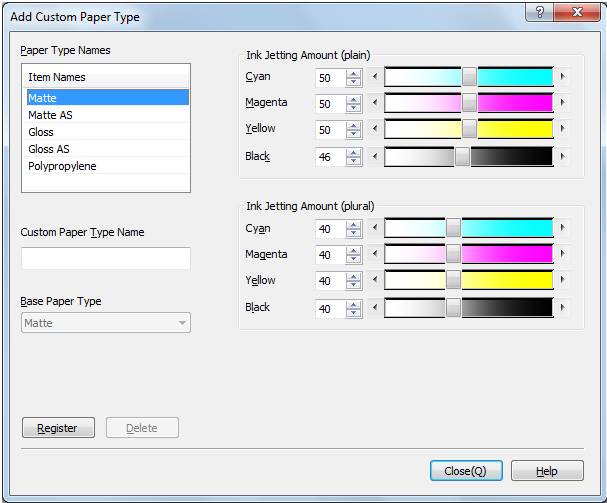
1

Click [Add Custom Paper Type].



2

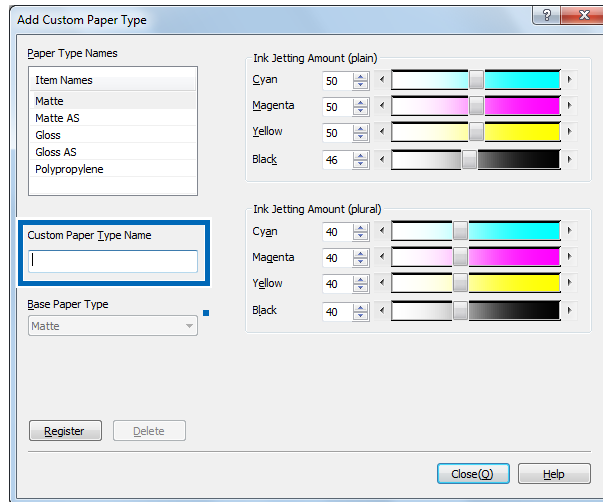
The [Add Custom Paper Type] dialog appears.



3. How to Use the Printer Driver

3

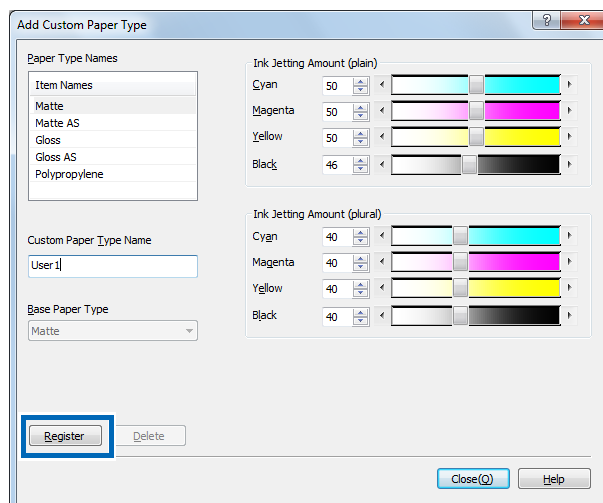
Type a desired name in the [Custom Paper Type Name] textbox.



For example, type "User 1" as a desired name.

4

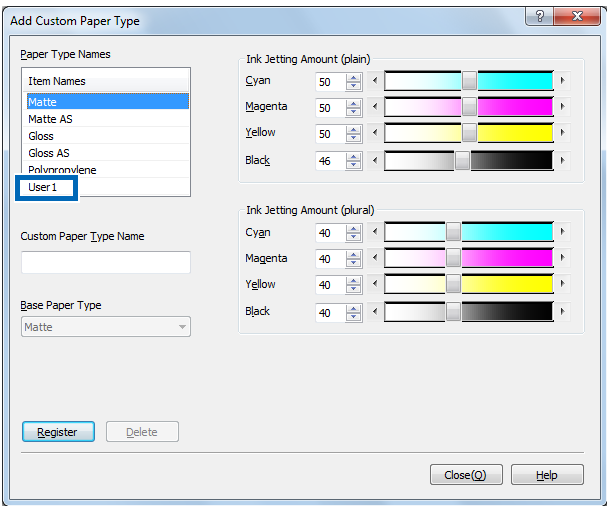
After typing a desired name, click [Register].



When a confirmation window appears, click [Yes].

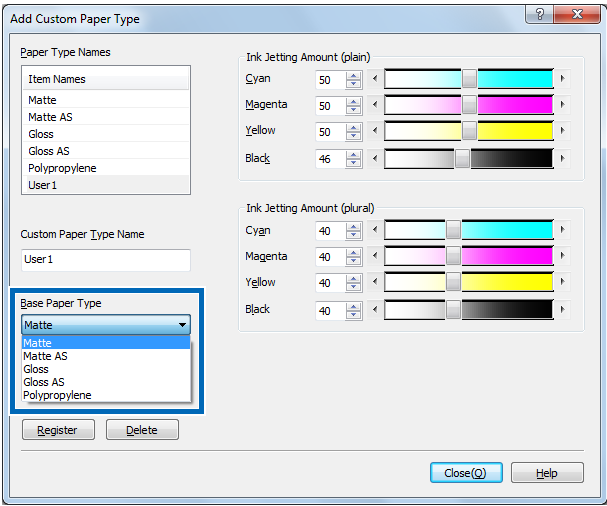
5

“User 1” has been registered.



6

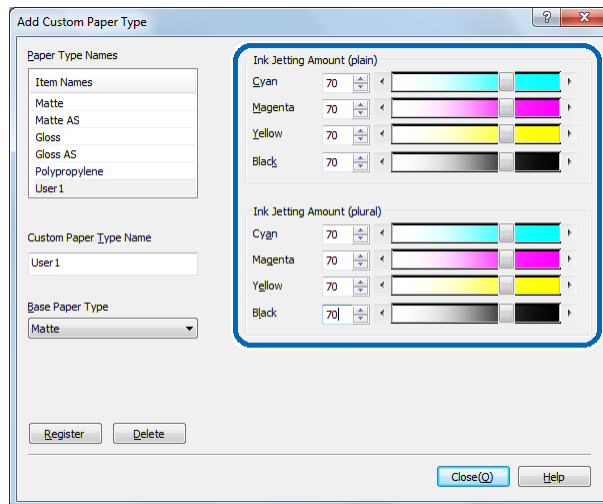
Select [User 1], and then select a paper type from [Base Paper Type].
Select from [Matte], [Matte AS], [Gloss], [Gloss AS], and [Polypropylene].



3. How to Use the Printer Driver

7

After selecting a paper type, set ink jetting amounts for respective colors.



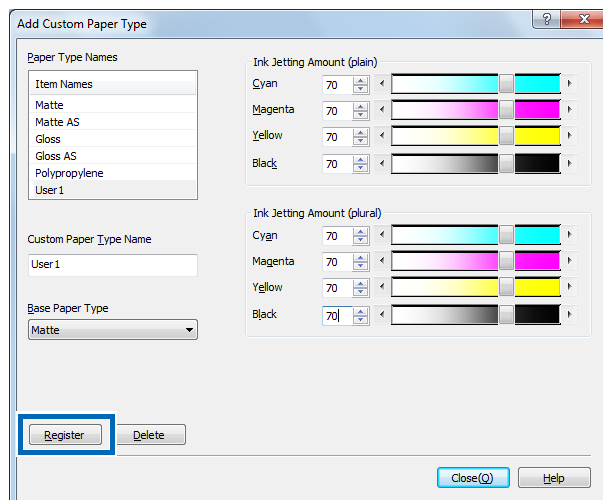
Important

- Moving the slide bar to the left decreases the ink jetting amount, and moving the slide bar to the right increases the ink jetting amount.
- Determine the ink jetting amounts optimum for the selected type of paper after conducting the print test several times.

8

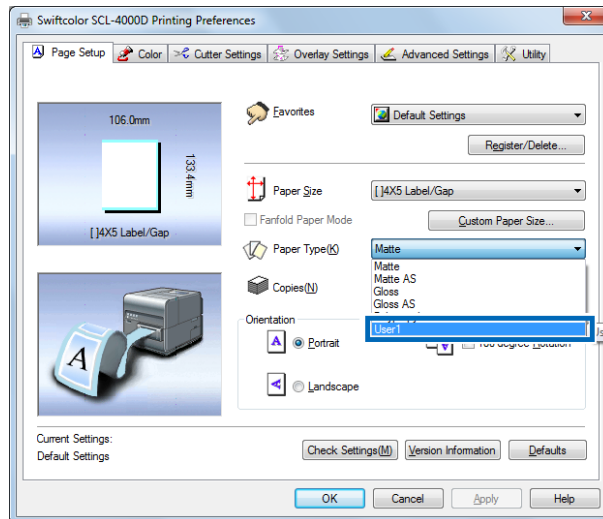
Click [Register].

Thus, registration is completed.



9

The registered paper type can be confirmed by selecting [Printing Preferences] → [Paper Type] of the printer driver.



3. How to Use the Printer Driver

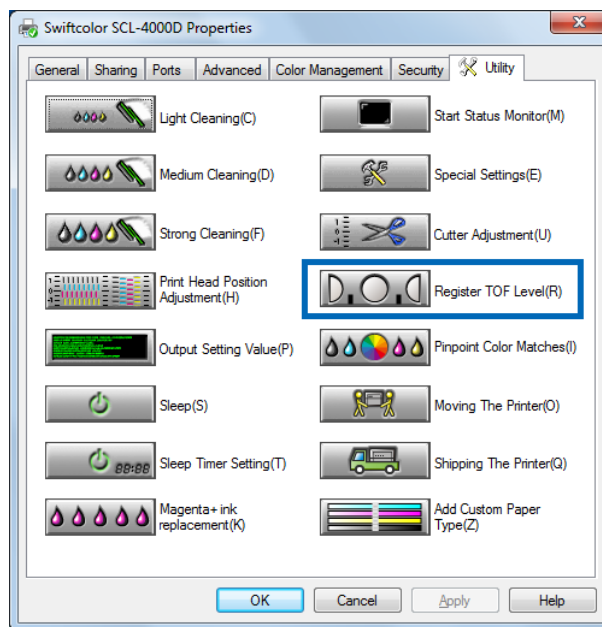
3-8-7 Register TOF Level

You can register a specific value without using the TOF automatic adjustment function of the printer.

This function can effectively be used when [Paper load error] occurs repeatedly during paper loading.

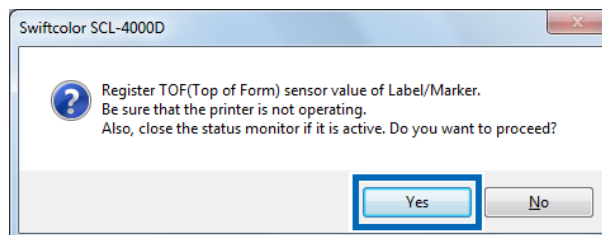
1

Click [Register TOF Level] on the Utility tab.



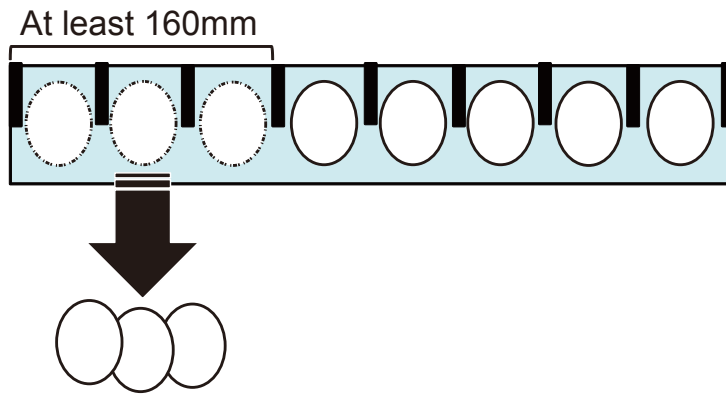
2

Click [Yes].



3

Peel off the labels located up to the position about 160mm from the paper edge.



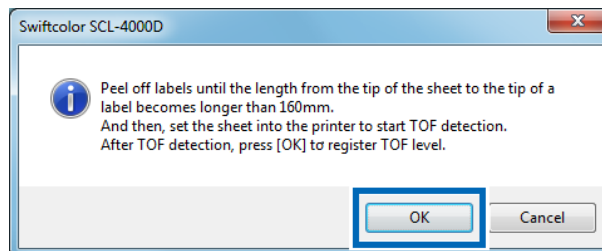
4

Set the paper in the printer.

→ 1-4-2. Setting Paper in the Printer (P.19)

5

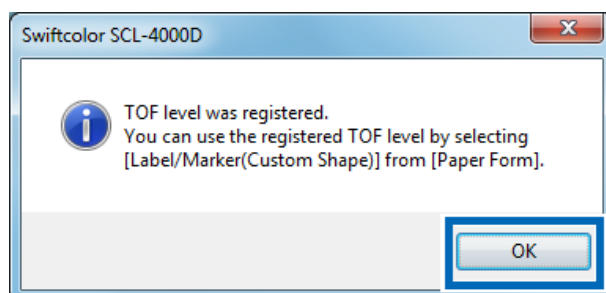
Click [Yes] to register the TOF level.



3. How to Use the Printer Driver

6

After registering the TOF level, click [Yes].



7

Select the custom label with [Label/Marker(Custom Shape)] set to paper form.

→ 3-2-5. Custom Paper Size Settings (P.60)

4. How to Use the Status Monitor

Use the Status Monitor to monitor the status of the printer and status of print jobs in progress.

4-1 Displaying the Status Monitor

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

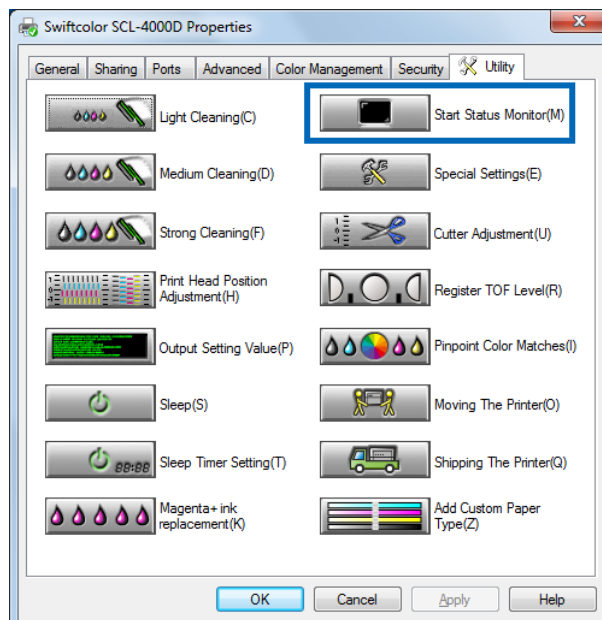
4-1-1. Starting the Status Monitor

Follow the procedure below to start the Status Monitor.

Note

- With default, Status Monitor starts automatically every time a print job starts.
- You can also start the Status Monitor as soon as Windows starts up by selecting the specific function in a menu.
- You can store the Status Monitor normally in the taskbar or the task tray and display it only when an error occurs.

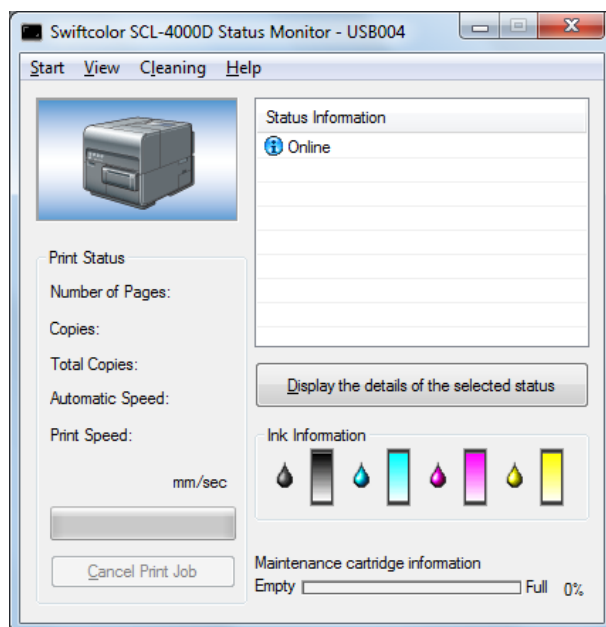
- 1 Display the [Utility] sheet in the Swiftcolor SCL-4000D Properties dialog box then click Start Status Monitor.



4. How to Use the Status Monitor

2

The Status Monitor starts.



4-1-2. How to Start and Display the Status Monitor

A pull down menu will be displayed by clicking on [Start], [View], or [Help] on the Status Monitor Dialog.

The method to start and display the Status Monitor can be set.

- Start Options

Use either method described below to set the start method.

[Start While 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.

■ View Options

Use one of the methods described below to set the display method.

[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.

[Start at Task Tray]

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

[Always Show on Top]

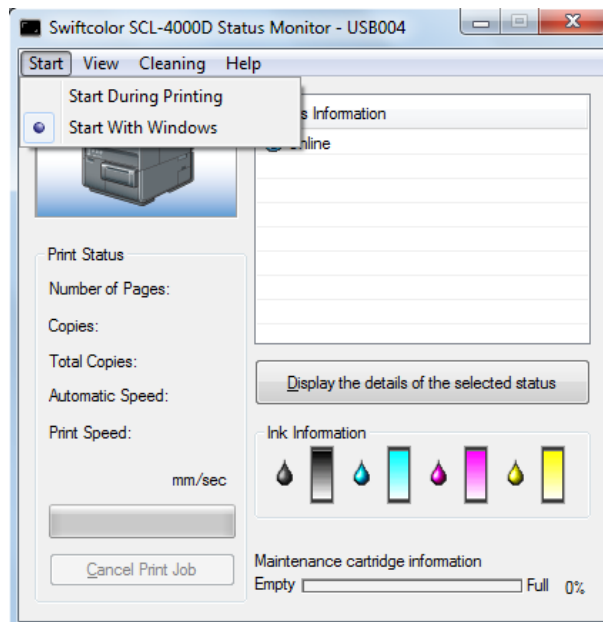
Always display the open Status Monitor window in the foreground even when the windows of other software applications are open.

Follow the procedure below to select the display method.

1

Open the Start menu and select the desired start option.

Click either Start While Printing or Start With Windows. A dot symbol (●) marks the currently selected item.

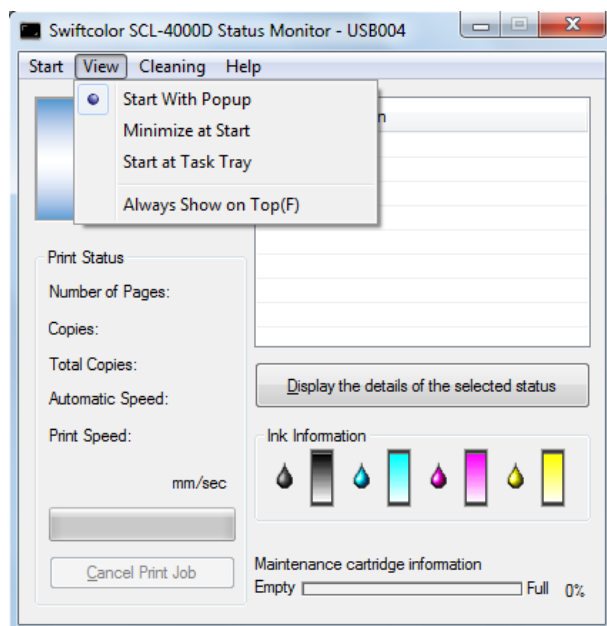


4. How to Use the Status Monitor

2

Open the View menu and select the desired option.

Click Start With Popup, Minimize at Start, or Start at Task Tray. A dot symbol (●) marks the currently selected item.

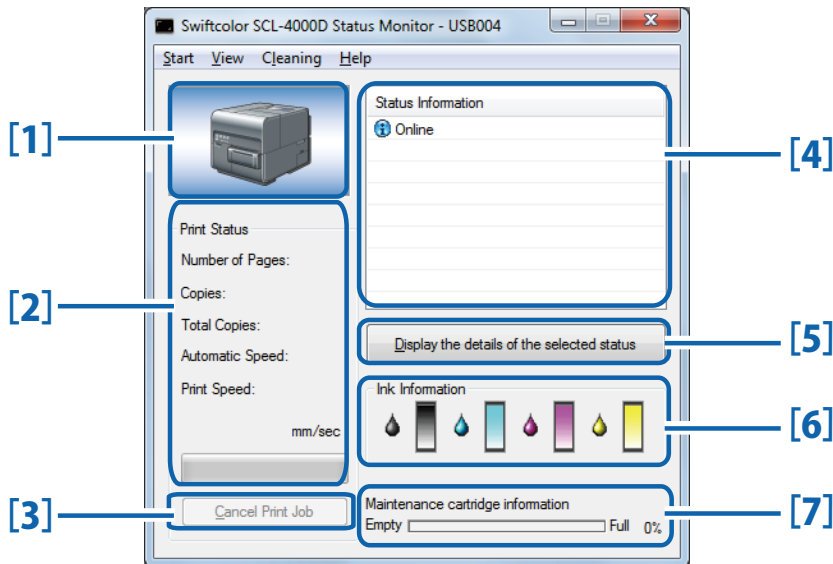


Note

- If you want the window to display always on the top, click Always Show On Top to attach the checkmark at the beginning of the name of this selection. This setting has no connection with the other settings on the View menu.
- If you select Always Show on Top, the Status Monitor will appear semi-transparent on the screen.
- Even if you select Minimize at Start or Start at Task Tray, 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.

4-2 Using the Status Monitor

Use the Status Monitor to not only monitor the status of print jobs in progress but also monitor the status of the printer and the level of the ink supply and quantity of ink collection of the maintenance cartridge.



[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.

→ 4-2-1. Viewing the Print Status (P.132)

[3] Cancel Print Job

Cancel print job in progress.

[4] Status Information

Messages to inform you about the current status of the printer.

→ 4-2-2. Viewing the Printer Status (P.133)

[5] Display the Details of the Selected Status

Open a separate window to display more information about the status of the printer.

[6] Ink Information

Display the amount of ink remaining.

→ 4-2-3. Viewing Ink Information (P.136)

[7] Maintenance Cartridge Information

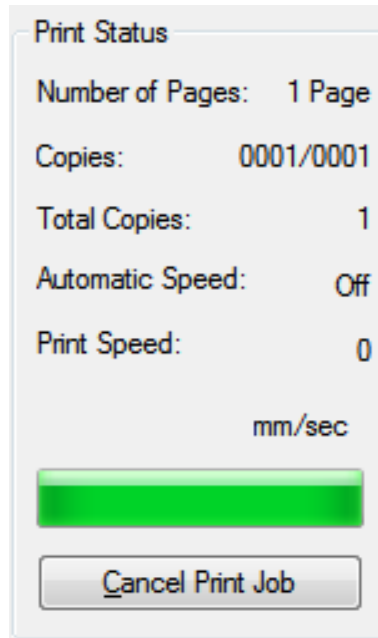
Display the amount of ink collected in the maintenance cartridge.

→ 4-2-4. Viewing Maintenance Cartridge Information (P.138)

4. How to Use the Status Monitor

4-2-1. Viewing the Print Status

Progress of printing can be checked.



[Number of Pages]

Displays the number of pages of the document specified for printing.

[Copies]

The status of printing 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 of the number of copies by page in progress.

[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]

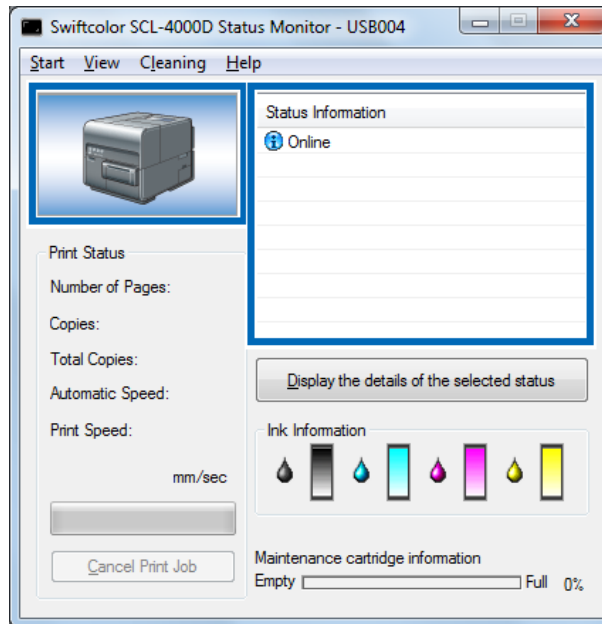
Displays the current speed setting.

[Cancel Print Job]

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

4-2-2. Viewing the Printer Status

Use these features to monitor the status of the printer.



- There are Four types of images to keep you informed about the status of the printer.



Displayed to indicate the normal mode. (Background is blue)

The printer is in the online mode and ready to print.



Displayed when a Offline has been issued. (Background is gray)



Displayed when a warning has been issued. (Background is yellow)

A warning message is displayed for the Status Information but printing can continue. Troubleshoot the problem as required.



Displayed when a error has been issued. (Background is red)

An error message is displayed for the Status Information, and printing cannot be done in this status. Troubleshoot the problem as required.

4. How to Use the Status Monitor

Note

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

- The Status Information indicates the status of the printer by displaying the following four icons and messages.



Information

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



Warning message

Indicate that a warning is being issued for a problem occurred. Read and confirm the content of the message. Printing continues.



Operator Call Error

These errors are issued for a problem that requires your attention. Confirm the content of the message, and follow the required troubleshooting procedure.



Fatal Error

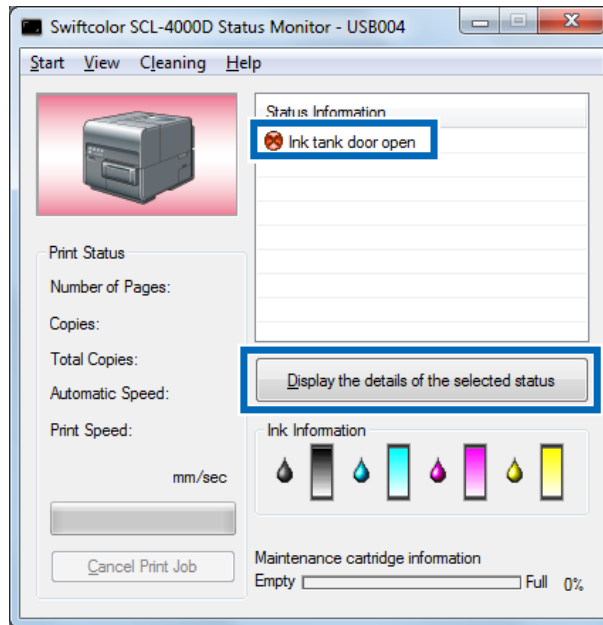
These errors are issued for problems that cannot be solved by the user. Please turn the main power switch off. If the error occurs again after switching the printer off and on, make a note of the 4-digit error code, and look for the error code in the troubleshooting section (or any place where the error code is), and to perform troubleshoot by following the instruction. If the error code does not appear after troubleshooting, contact dealer.

Note

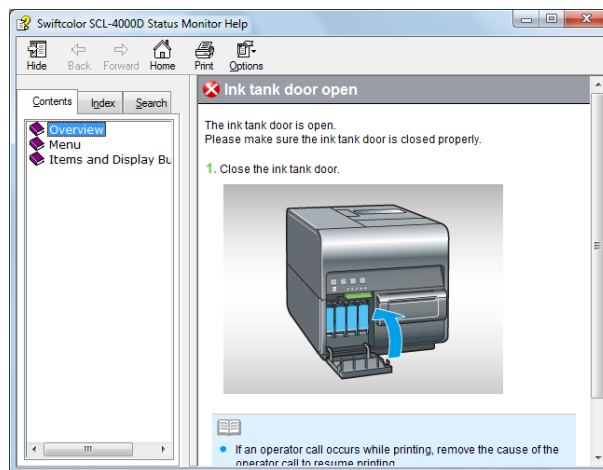
- If several errors occur at the same time, the most important error is displayed on the top of the list.

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 the [Display the details of the selected status] button.



The description window opens and displays a description of the message and provides some troubleshooting advice.



Note

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

4. How to Use the Status Monitor

4-2-3. Viewing Ink Information

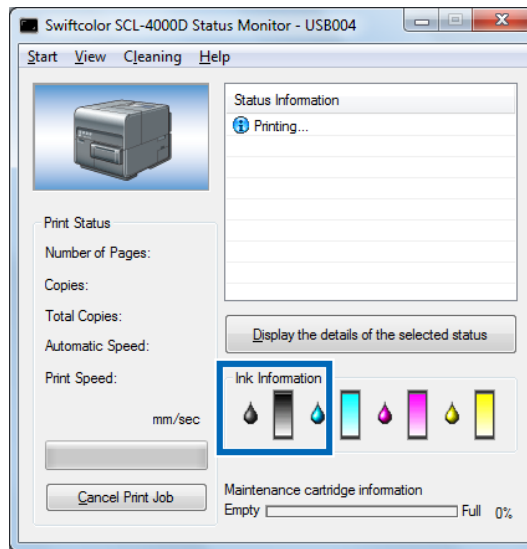
Use these features to monitor the level of the ink in the ink tanks.

There are four colors of ink tanks; Black (Bk), Cyan (C), Magenta (M), and Yellow (Y) .

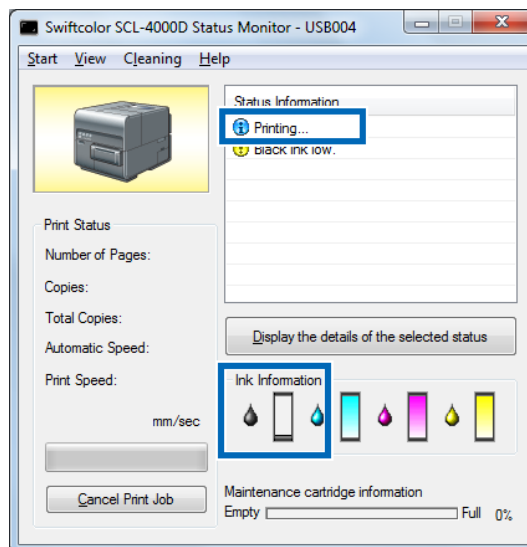
- Icons are used to indicate the level of ink in each ink tank.



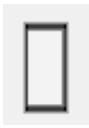
Remaining ink level : Ink Full



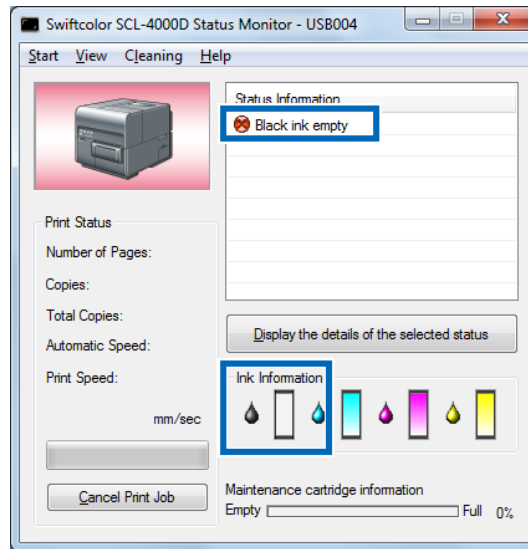
Remaining ink level : Less than about 20%



4. How to Use the Status Monitor



Empty



→ 5-5 Replacing Ink Tanks (P.172)

Important

- Do not remove an ink tank unless you must replace it. This could shorten the life of the consumable.

Note

- If “XXXX ink low” is displayed, prepare a new ink tank before “Out of XXXX ink” is displayed, replace the tank. For how to get a new ink tank, contact the dealer.

4. How to Use the Status Monitor

4-2-4. Viewing Maintenance Cartridge Information

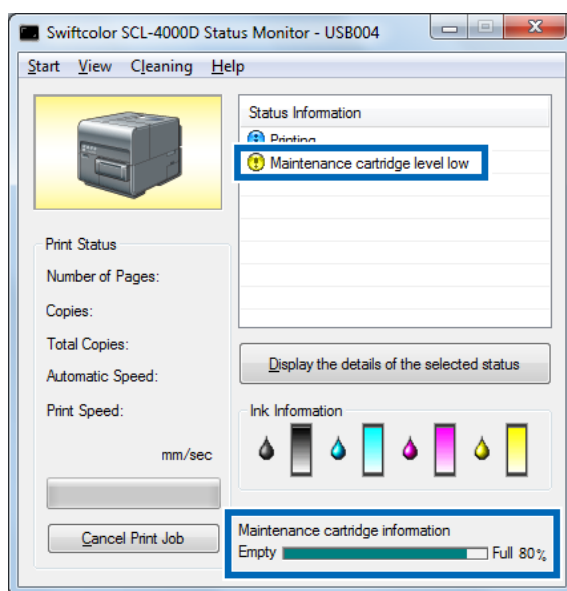
Use this feature to monitor the amount of the ink collected in the maintenance cartridge.

Note

- The maintenance cartridge is used to collect the ink used for printhead cleaning, etc.
- The [Maintenance Cartridge Information] indicator at the bottom of the [Status Monitor] dialog box indicates the space currently left in the maintenance cartridge.

■ [Maintenance cartridge level low]

When the space left in the maintenance cartridge becomes 20%, a message, "Maintenance cartridge level low," is displayed in the [Status Information] field. Note that printing continues without interruption.



Important

- If "Low on Available Space in Maintenance Cartridge" is displayed, prepare a new maintenance cartridge. For how to purchase new maintenance cartridges, contact the dealer from whom this printer was purchased or our service shop.

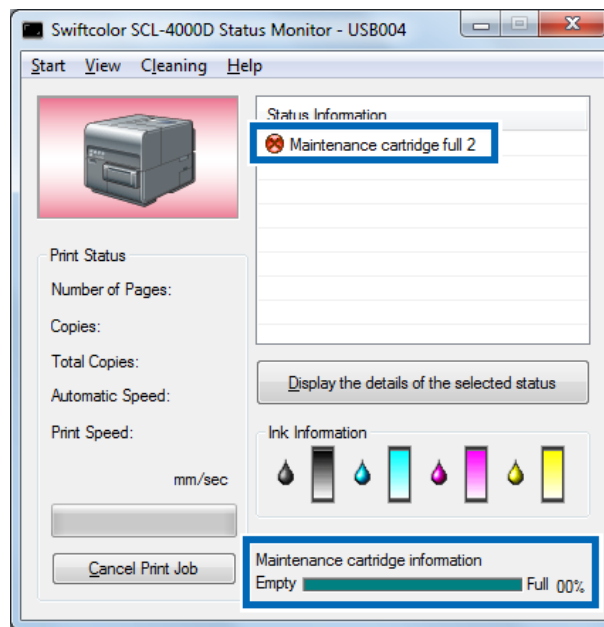
4. How to Use the Status Monitor

■ [Maintenance cartridge full]

When there remains no maintenance cartridge space to collect ink, a message, "Maintenance cartridge full," is displayed and printing stops after finish printing the on going job.

When this message appears, replace the maintenance cartridge with a new one.

→ 5-6 Replacing the Maintenance Cartridge (P.179)



5. Printer Maintenance

This chapter describes how to maintain the printer and keep it in good operating condition.

5-1 Cleaning the Printhead

If your prints appear faint, this could mean that dust and paper dust have clogged the printhead.

Clean the printhead to clear clogged nozzles.

5-1-1. Cleaning

Clean the clogged Printhead nozzles.

Clean them according to the printing result.

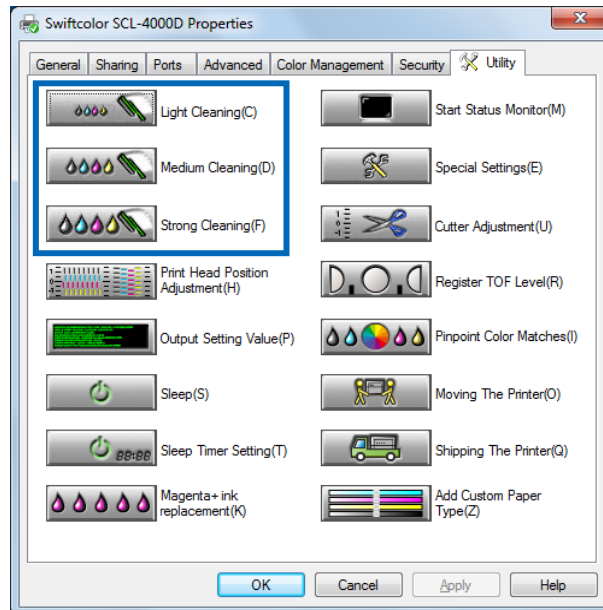
Light Cleaning	Recovery operation performed first when printhead nozzle clogging occurs. (Repeat this operation as required.)
Medium Cleaning	Recovery operation performed when printhead nozzle clogging occurs even after light cleaning is performed. (Repeat this operation as required.)
Strong Cleaning	Recovery operation performed when printhead nozzle clogging occurs even after Medium cleaning is performed. (Repeat this operation as required.)

Note

- During cleaning is in process, do not perform any other operation.
- Cleaning cannot be done during a print job or when an error is occurring.
- If Strong cleaning fails to solve the problem, the printhead may require replacement, or there could be some other problem. Contact your local dealer or call the Tech support.
- Please remember that cleaning consumes ink. Clean the printhead only when necessary.

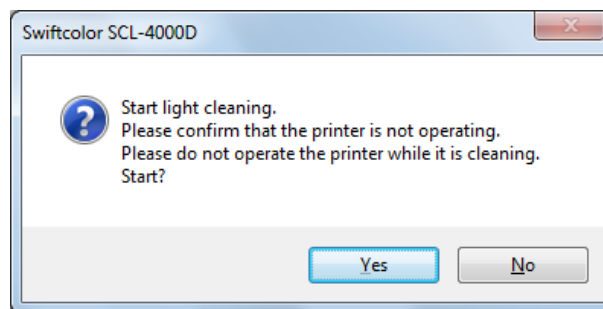
1

Open the [Utility] sheet in the [Swiftcolor SCL-4000D Properties] dialog box, select [Light Cleaning], [Medium Cleaning] or [Strong Cleaning] and click it.



2

The confirmation dialog box appears.



Click [Yes] to start cleaning.

5-2 Adjusting the Printhead Position

Although the printer has already been adjusted for optimum performance upon installation, please adjust printhead position if you experience unexpected colors or other problems in your print results.

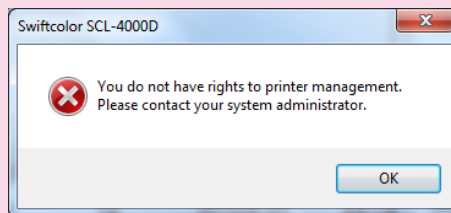
The printhead adjustment procedure consists of printing a printhead position adjustment pattern, reading the pattern, and then making some simple adjustments to change the position of the printhead.

Important

- Adjustment patterns change depending on the size of the paper being set to printer, although the adjustment method is the same.
- The printhead adjustment cannot be done while the printer is printing or after an error has occurred.
- Be sure to adjust Head Position if paper width is changed within 25 mm (1 inch) during usage.

Important

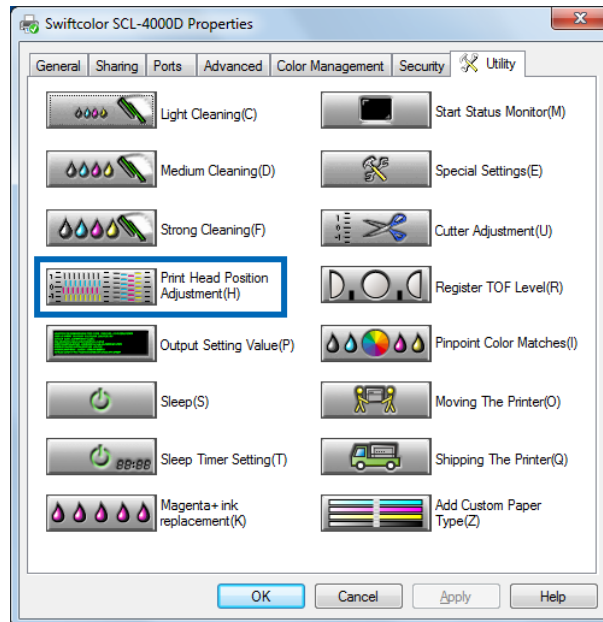
- If a warning is issued when you press the [Adjusting the Printhead Position], refer to the following:



→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)

1

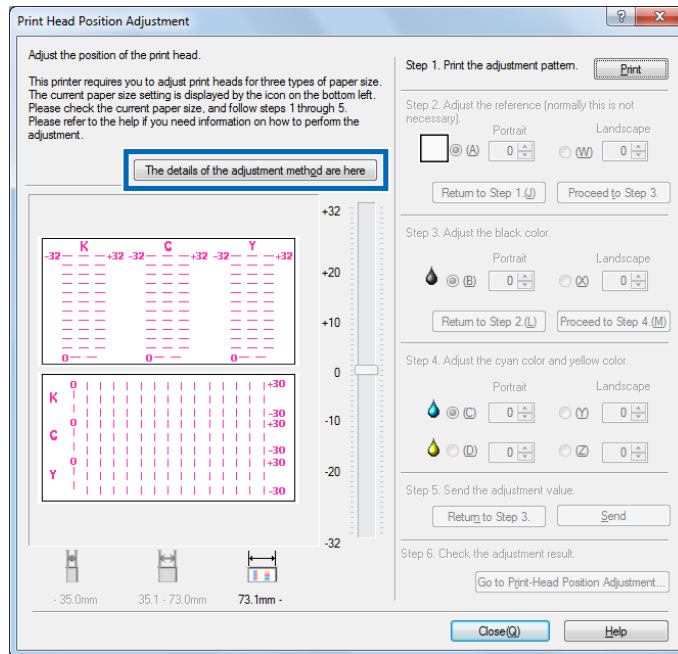
Opening the [Utility] sheet in the [Swiftcolor SCL-4000D Properties] dialog box and click [Print Head Position Adjustment].



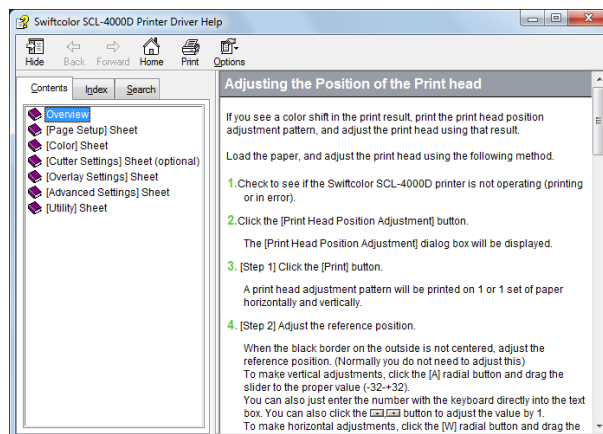
5. Printer Maintenance

2

The [Print Head Position Adjustment] dialog box appears.



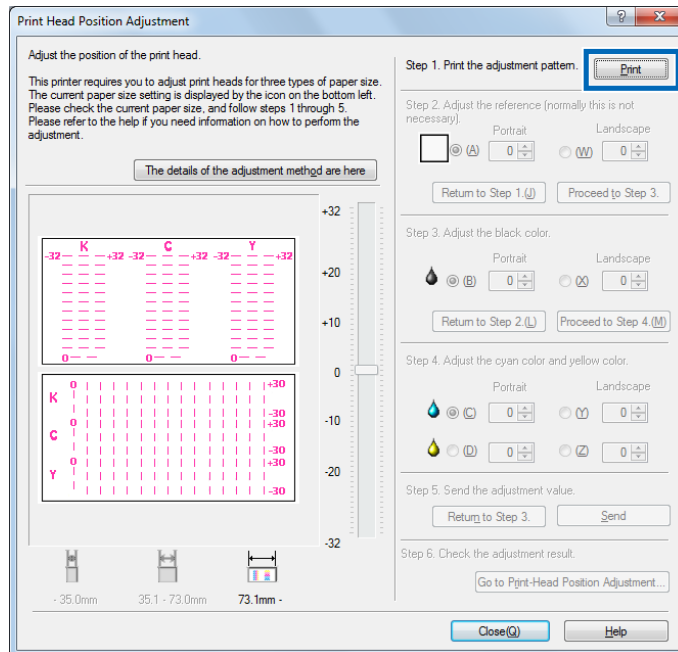
Click “The details of the adjustment method are here” to view operating procedures from [Help].



3

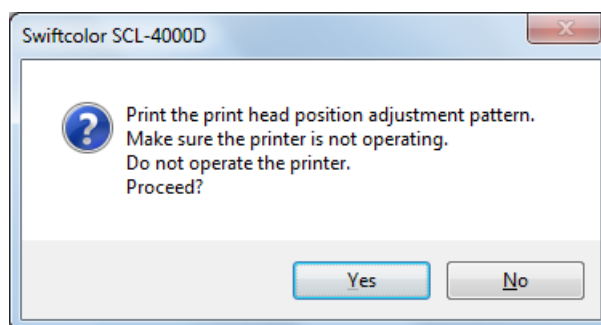
Check that the printer is not running and perform Step 1 “Print the adjustment pattern.”

Click [Print].



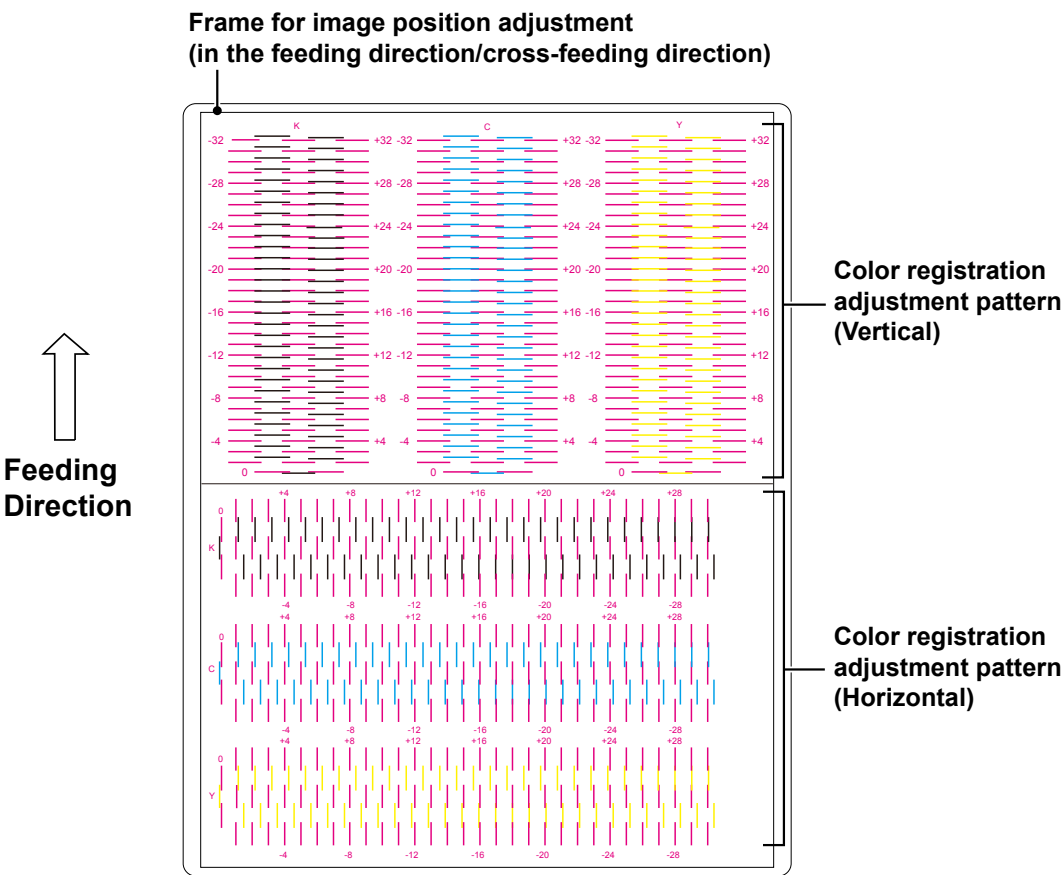
4

When the confirmation window appears, click [Yes].



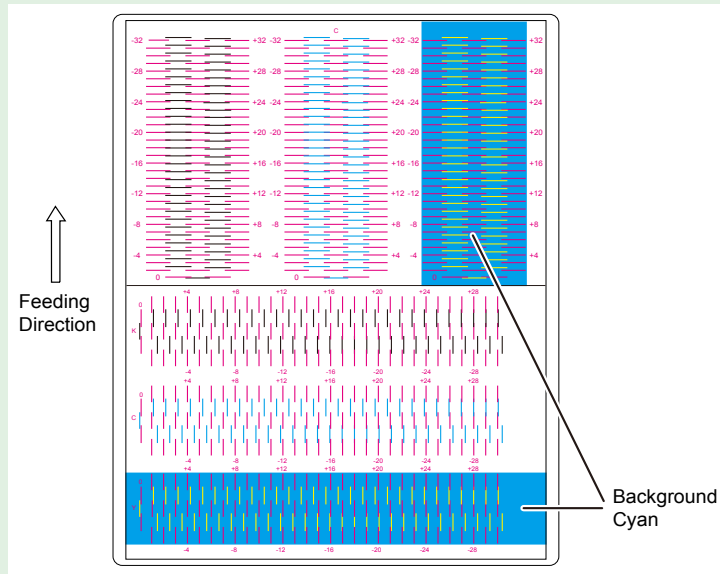
5. Printer Maintenance

An adjustment pattern is printed.



■ For SCL-4000P Users

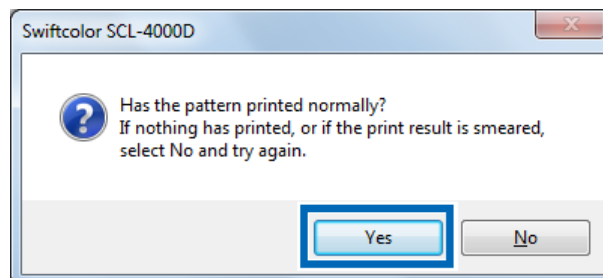
For the adjustment pattern of SCL-4000P (water-based pigment ink model), the background is printed Cyan to make Yellow easily visible.



5

The confirmation window appears for you to check to see if the adjustment pattern has been printed correctly or not.

Click [Yes].

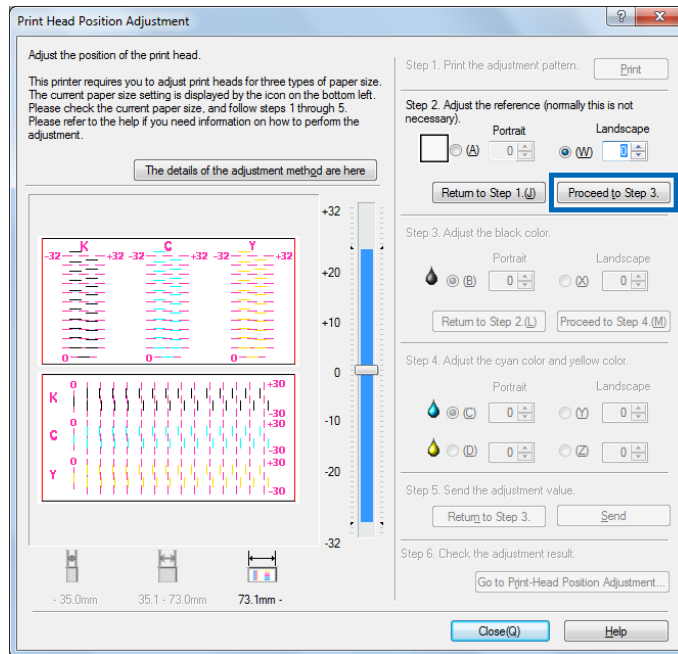


Clicking [No] prints the adjustment pattern again.

5. Printer Maintenance

6

On confirming successful printout, click [Proceed to Step 3.].



Note

- [Step 2] covers the procedure for adjusting the reference position of the Black Printhead (frame border), but it normally does not require changes.
-The reference position can be identified from a frame border drawn in the circumference of the Printhead position adjustment pattern. Normally, this frame border is drawn 1.5 mm above the top end of the paper and 1.5 mm from the leftmost end. It should require adjustment if it is found significantly out of position.

Note

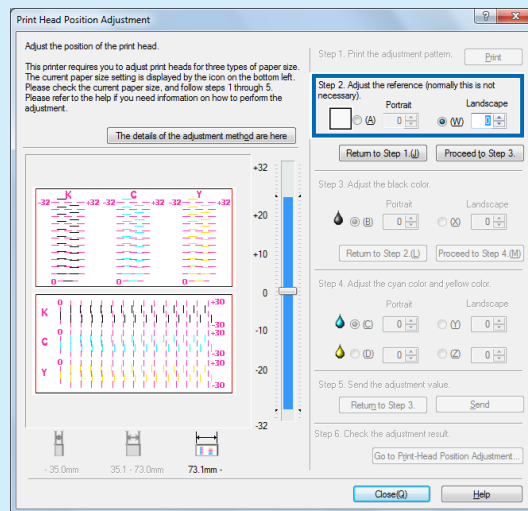
• Step 2 Adjust the reference position of the Black Printhead (frame border)

■ Adjusting the Vertical Direction

If the Black border for K (Black) reference position adjustment is shifted upward, set the value to negative (-). If it is shifted downward, set the value to positive (+). Click [A] (Black) in [Vertical Direction] and drag the slider in the middle to increase or decrease the value.

■ Adjust the Horizontal Direction

If the Black border for K (Black) reference position adjustment is shifted leftward, set the value to positive (+). If it is shifted rightward, set the value to negative (-). Click [W] (Black) in [Landscape Direction] and drag the slider in the middle to increase or decrease the value.



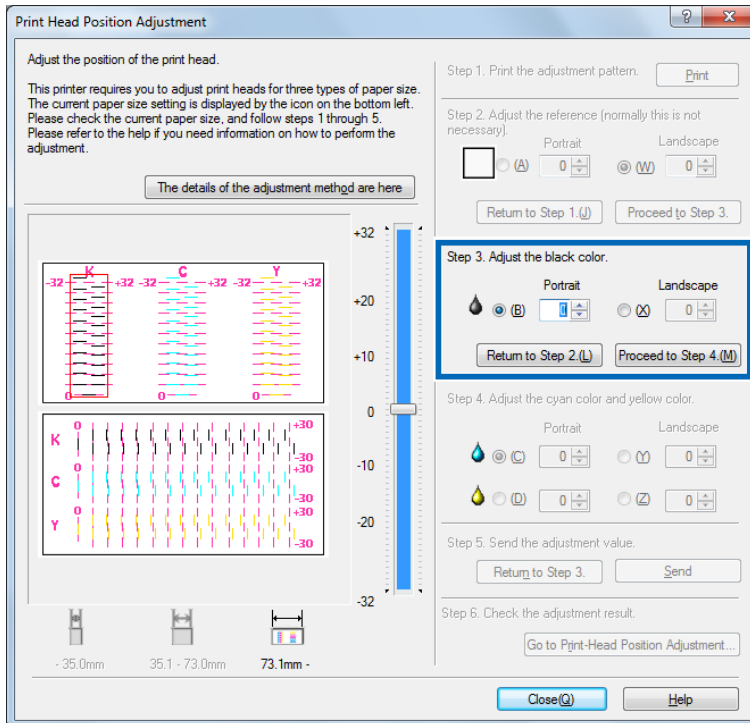
- A value can be entered in the entry box from the keyboard after clicking the entry box.
- Click the  , and  buttons to increment and decrement the current value by one.
- As the value is incremented or decremented by one, the Black border moves to the left or right by 0.0425 mm.
- While the adjustable adjustment range is from -32 to +32, not all the values in the range may be selectable depending on the current setting. Set between the ▲ , and ▼ marks in the scale of the slider.

5. Printer Maintenance

7

Step 3. Adjust Black color.

Check [B] Vertical Direction and [X] Horizontal Direction in adjustment pattern [K] (Black) and read and enter the value at the point of their intersection with the Red line.



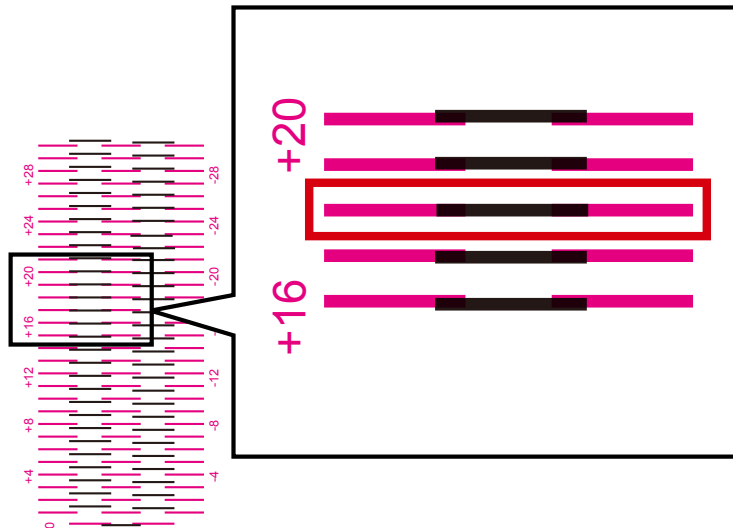
Note

- If [B] Vertical Position or [X] Horizontal Direction is selected, the visible point in the adjustment pattern in [Print Head Position Adjustment] dialog box is marked in a red border.
- To review the last setting entered, click "Return to Step 2."

- Adjust the Vertical Position

Read the value of the apparently smoothest (stepless) interconnection of the red and black lines in the head position adjustment pattern.

In the following case, for example, the adjustment value is “+18”:



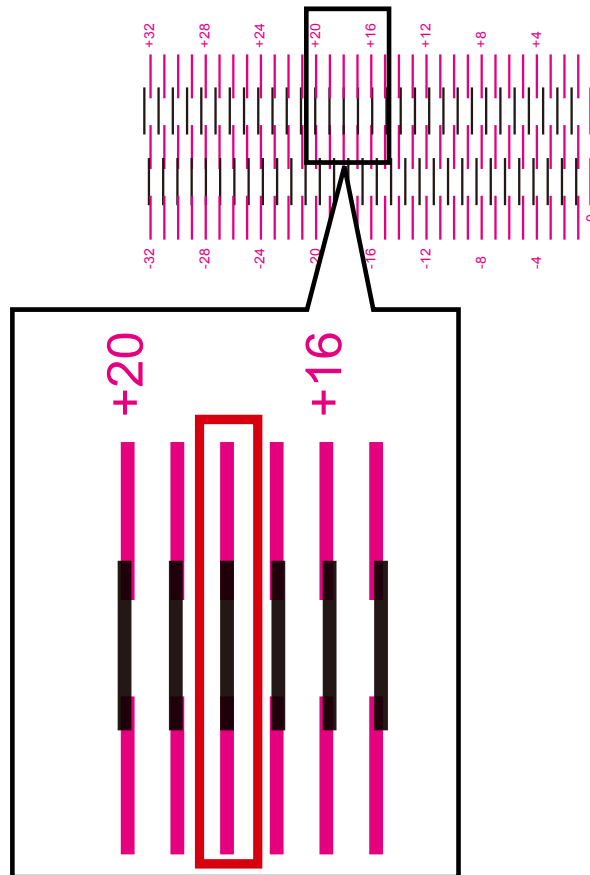
Check (B) in [Vertical Direction] in Step 3 in the [Head Position Adjustment] sheet and enter “18.”

5. Printer Maintenance

■ Adjust the Horizontal Position

Read the value apparently smoothest (stepless) interconnection of the red and black lines in the head position adjustment pattern.

In the following case, for example, the adjustment value is “+18”:



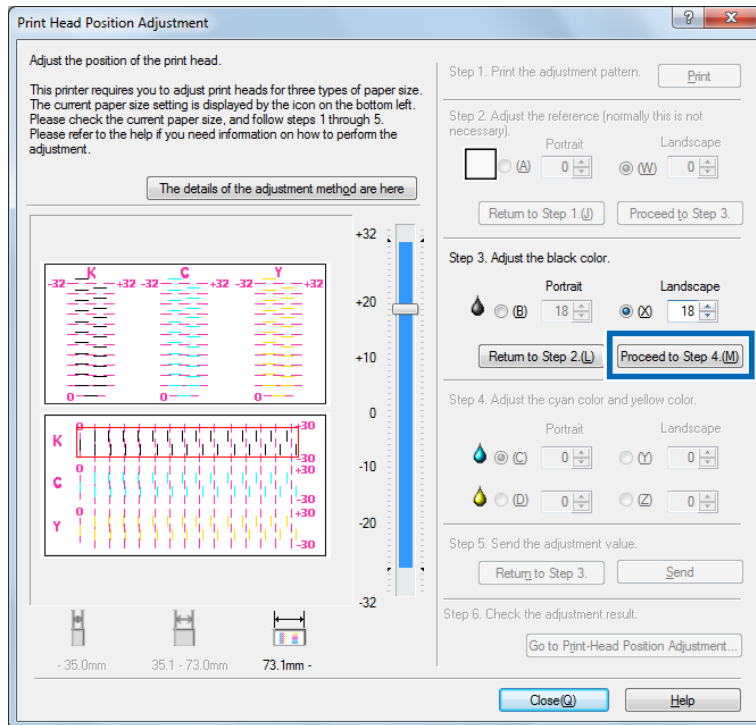
Check (X) in [Horizontal Direction] in Step 3 in the [Print Head Position Adjustment] dialog box and enter “18.”

Note

- Click the  , and  buttons to increment and decrement the current value by one.
- While the adjustable adjustment range is from -32 to +32, not all the values in the range may be selectable depending on the current setting. Set between the ▲, and ▼ marks in the scale of the slider.

8

Having entered the adjustment value, click [Proceed to Step 4.]



10

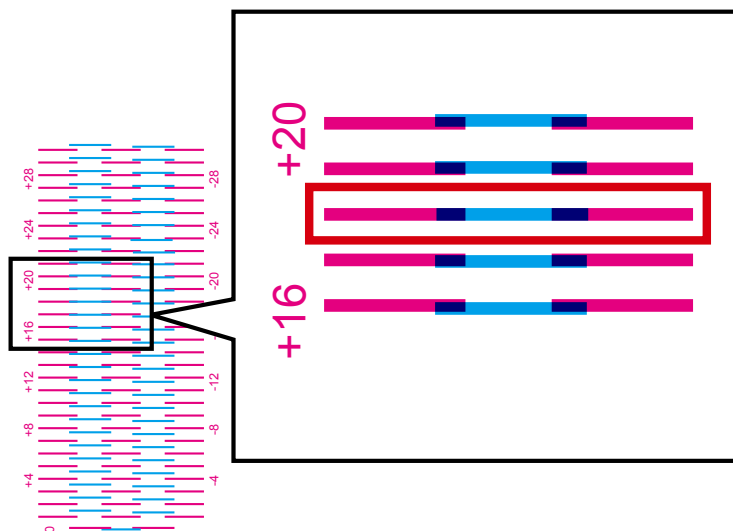
Adjusts the head positions for Cyan and Yellow.

- Adjust the Vertical Position

With regard to Cyan and Yellow, read the value of the apparently smoothest (stepless) interconnection of the Red and other colored lines in the Printhead position adjustment pattern.

In the following case, for example, the Cyan adjustment value is “+18”:

Adjust Yellow in the same manner.



Check (C) and (D)(in [Vertical Direction] in Step 4 in the [Print Head Position Adjustment] dialog box and enter “18.”

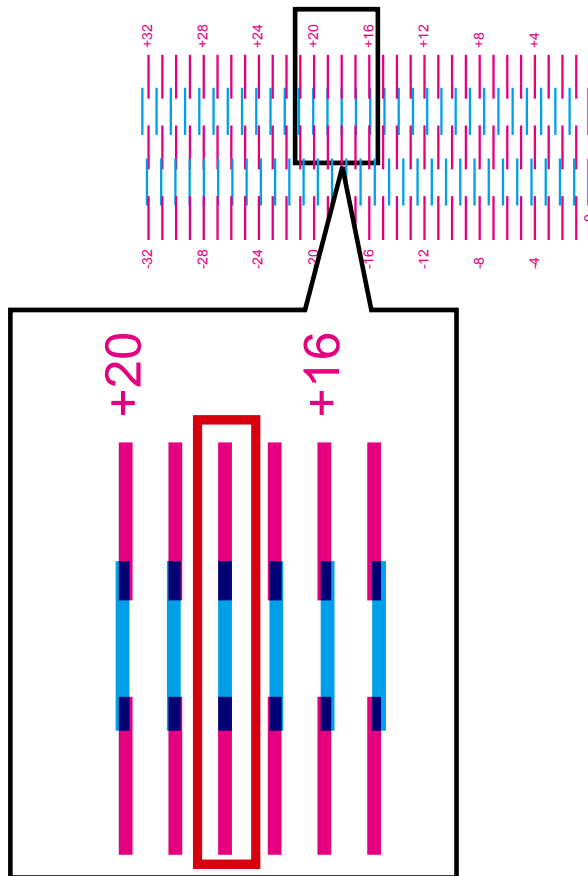
5. Printer Maintenance

- Adjust the Horizontal Position

With regard to Cyan and Yellow, read the value of the apparently smoothest (stepless) interconnection of the Red and other colored lines in the print head position adjustment pattern.

In the following case, for example, the Cyan adjustment value is “+18”:

Adjust Yellow in the same manner.



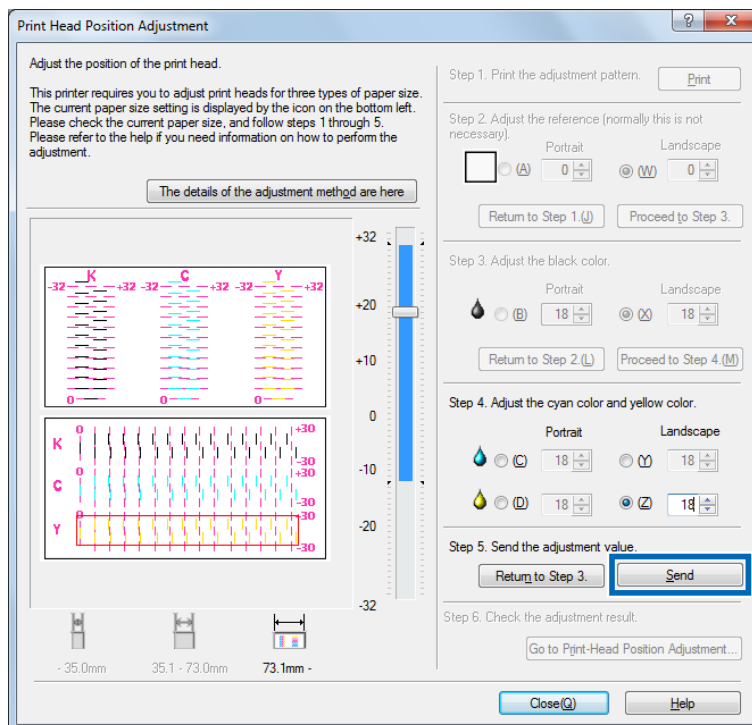
Check (Y) and (Z) in [Horizontal Direction] in Step 4 in the [Print Head Position Adjustment] sheet and enter “18.”

Note

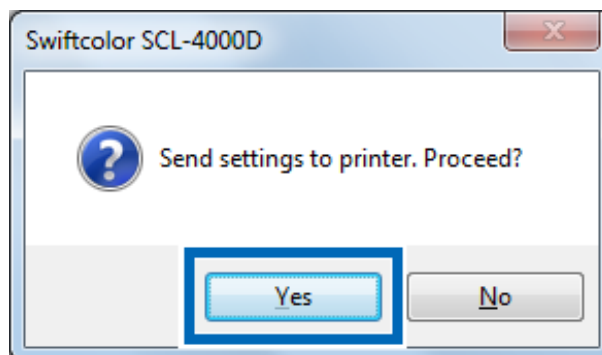
- Click the , and  buttons to increment and decrement the current value by one.
- While the adjustable adjustment range is from -32 to +32, not all the values in the range may be selectable depending on the current setting. Set between the ▲, and ▼ marks in the scale of the slider.

11

When the entry is complete, click [Send].



When the transmission confirmation window appears, click [Yes].

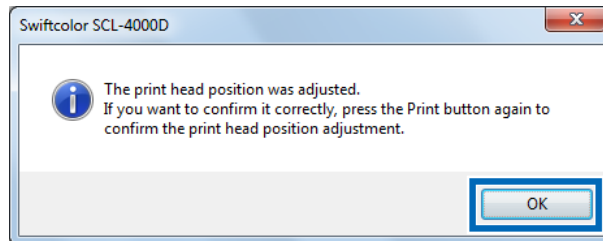


The adjustment value is transmitted to the printer to adjust the head positions.

5. Printer Maintenance

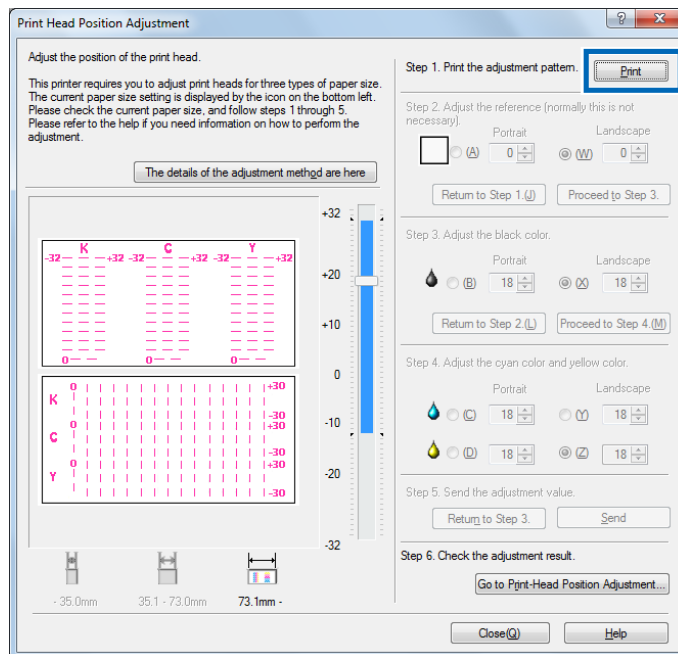
12

Click [OK].



13

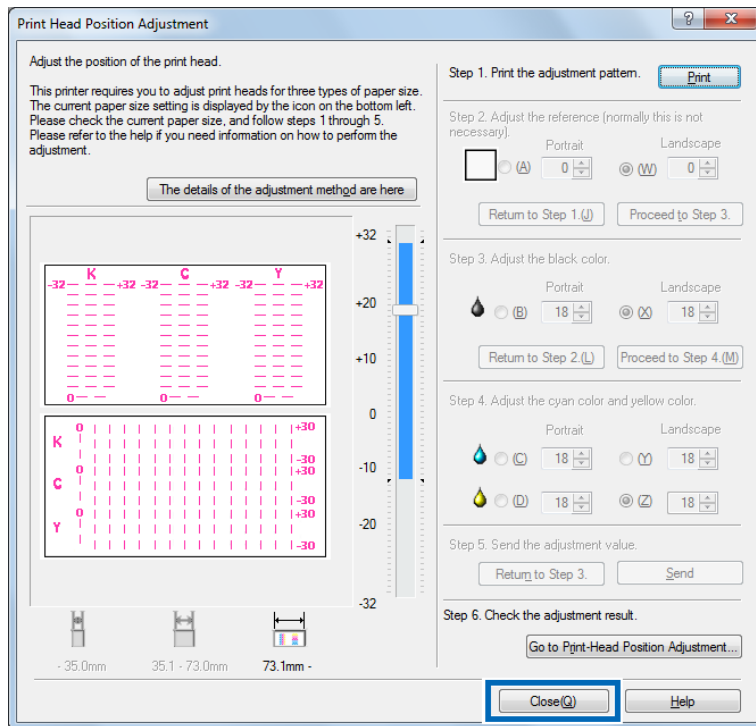
Click [Print] again to print a head position adjustment pattern and check that the head positions have been adjusted correctly.



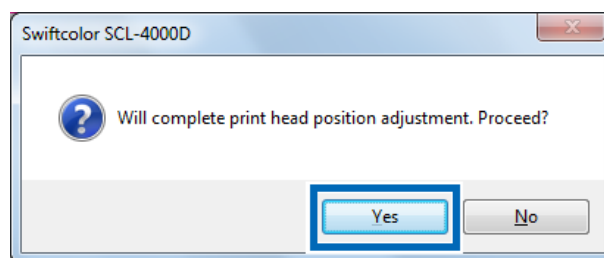
Check the adjustment pattern printed. If the line at the "0" position in each color appears smoothly linked, the adjustment process is completed.
If the lines appear out of alignment, retry from Step 1 afterwards.

14

When the print head position adjustment process is complete, click [Close].



The print head position adjustment completion confirmation message is displayed.



15

Click [Yes].

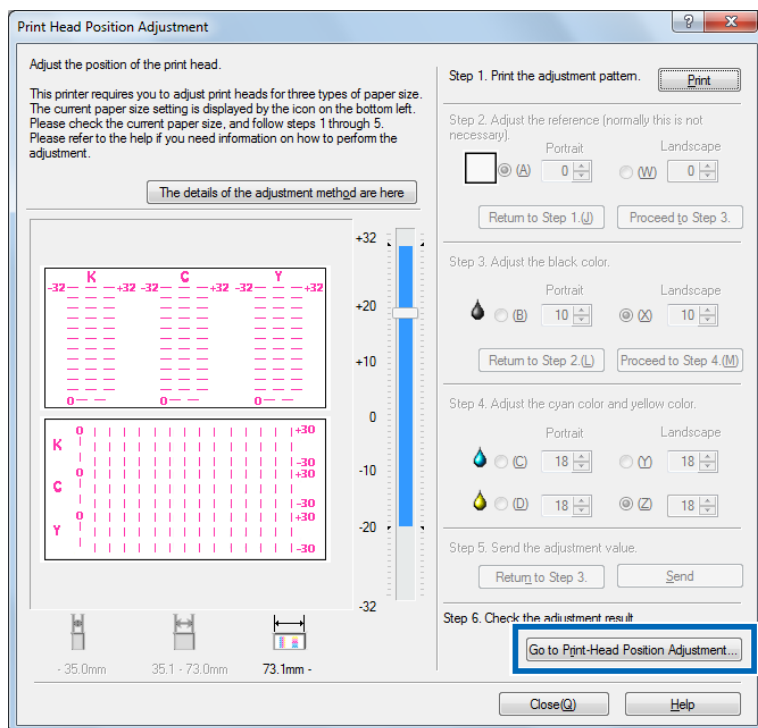
5. Printer Maintenance

5-3 Fine-tuning the Printhead Position

The head position adjustment completion confirmation message is displayed.

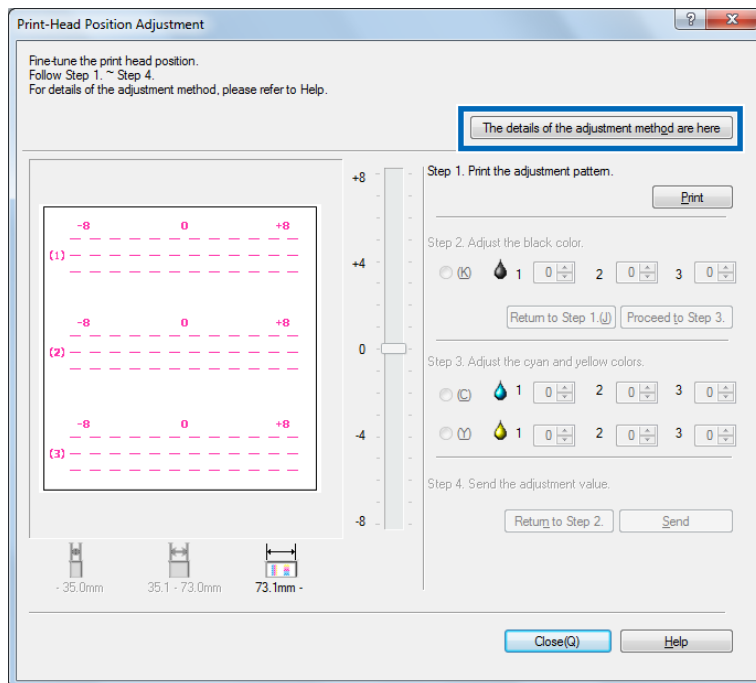
1

Click Step 6 [Go to Print-Head Position Adjustment...] without clicking [Close] in Step 11 [Print Head Position Adjustment].



2

The [Print-Head Position Adjustment] dialog box appears.



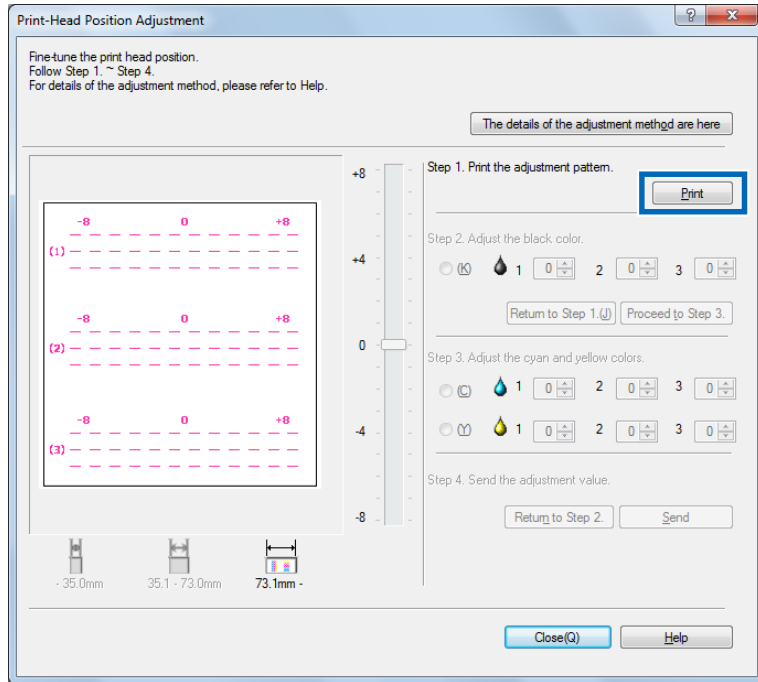
Click “The details of the adjustment method are here” to view operating procedures from [Help].

5. Printer Maintenance

3

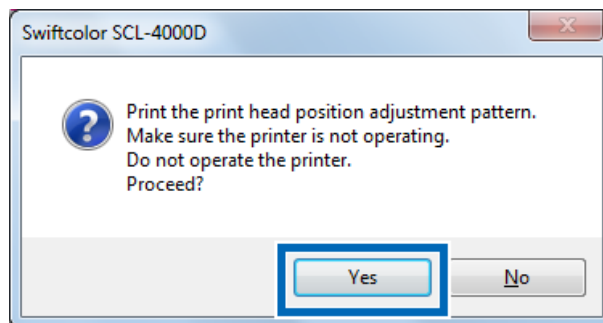
Check that the printer is not running and perform Step 1 “Print the adjustment pattern.”

Click [Print].

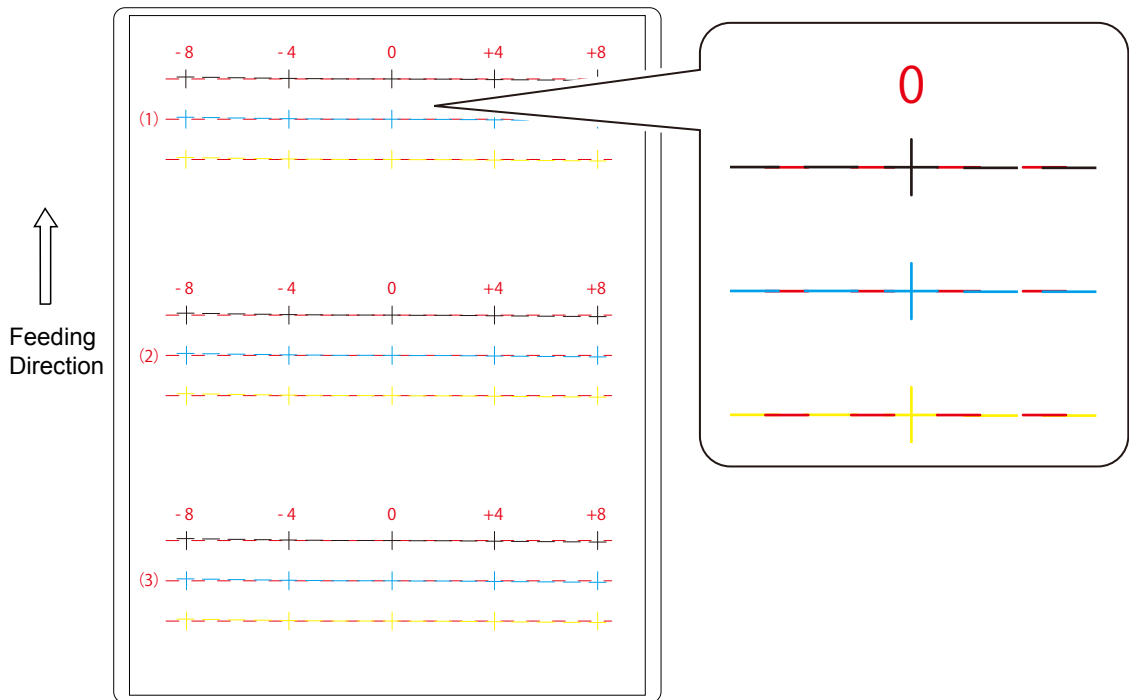


4

When the confirmation window appears, click [Yes].

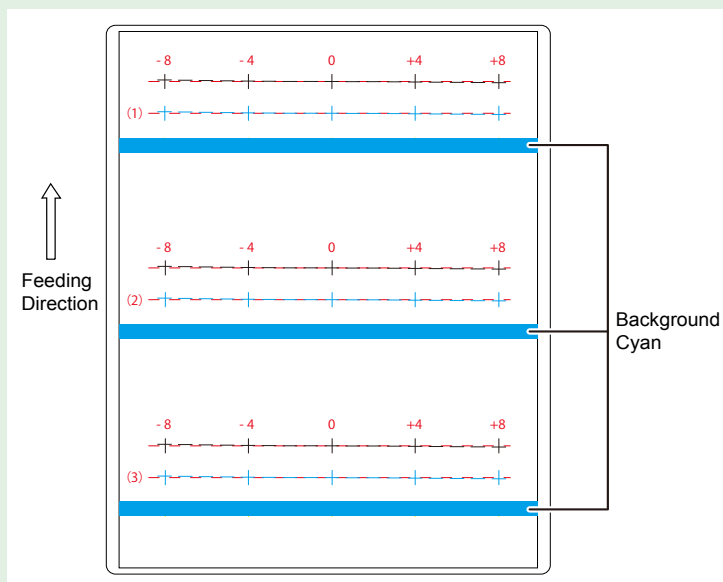


- Detailed adjustment pattern is printed.



■ For SCL-4000P Users

For the adjustment pattern of SCL-4000P (water-based pigment ink model), the background is printed Cyan to make Yellow easily visible.

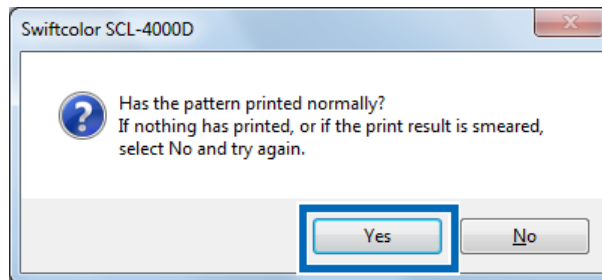


5. Printer Maintenance

5

The confirmation window appears to see if the adjustment pattern has been printed correctly or not.

Click [Yes].

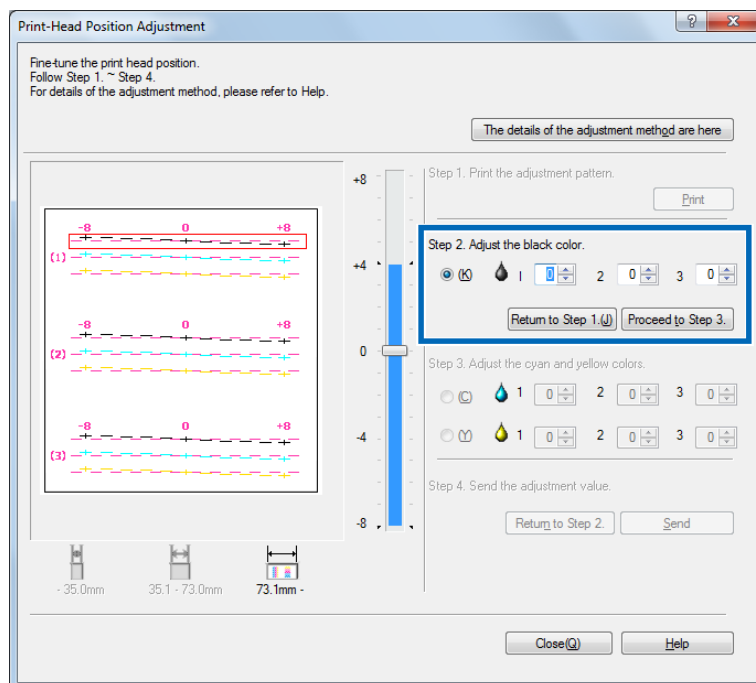


Clicking [No] prints the adjustment pattern again.

6

Step 2. Adjust the black color.

Check [1], [2], and [3] in adjustment pattern [K] (Black) and read and enter the value at the point of their intersection with the Red line.

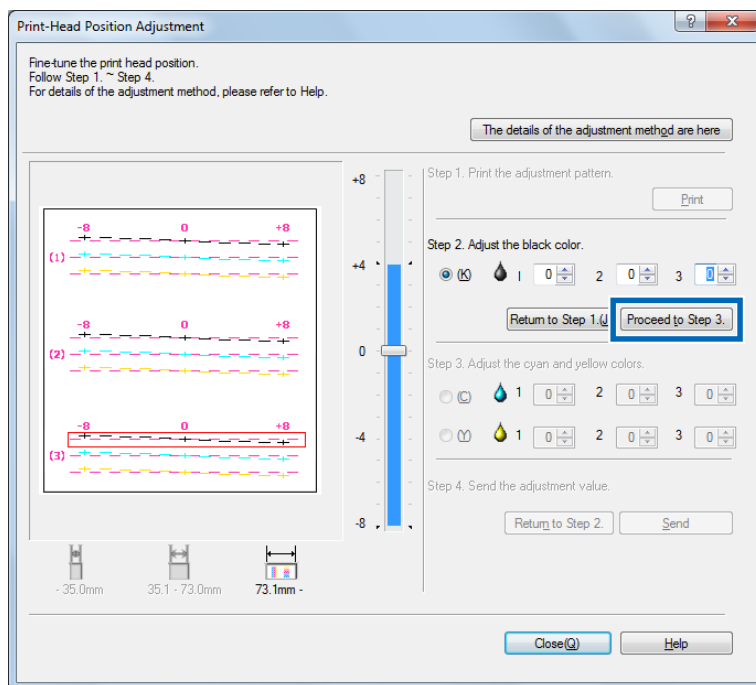


Note

- Selecting [1], [2], and [3] will show the points to view in Red in the adjustment pattern in the [Detailed Printhead Position Adjustment] dialog box.
- To review the last setting entered, click "Back."

7

Having entered the adjustment value, click [Proceed to Step 3.]

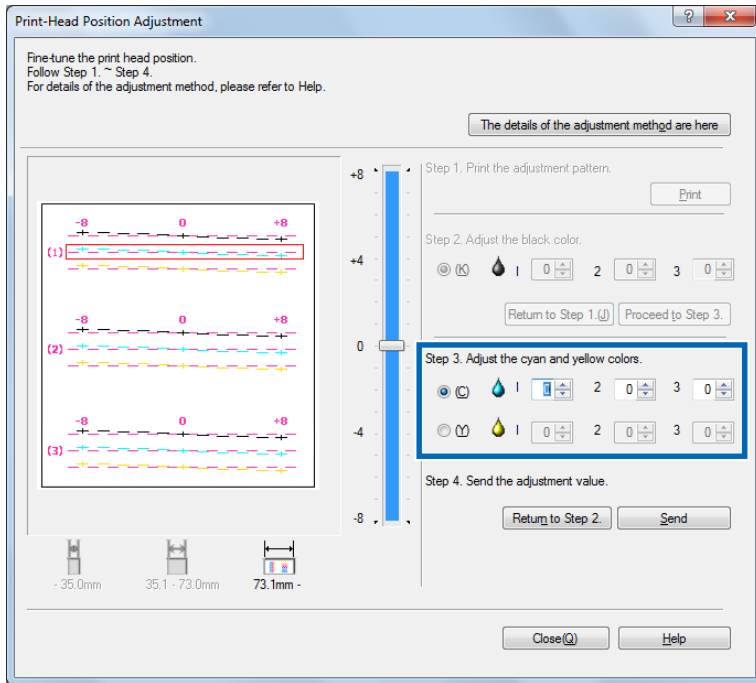


5. Printer Maintenance

8

Step 3. Adjust the cyan and yellow colors.

Check [1], [2] and [3] in adjustment pattern [C] (Cyan) and [1], [2] and [3] in adjustment pattern [Y] and read and enter the value at the point of their intersection with the Red line.

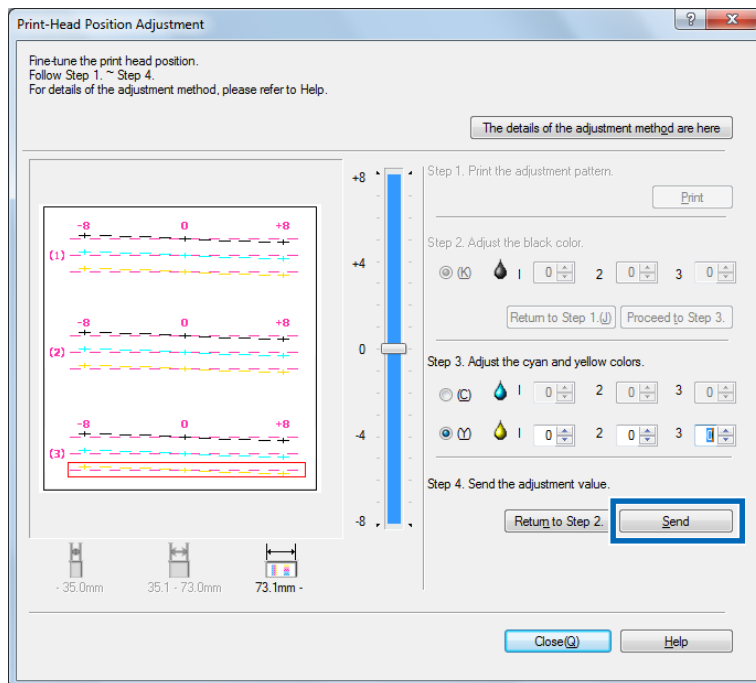


Note

- Selecting [1], [2], and [3] will show the points to view in Red in the adjustment pattern in the [Detailed Printhead Position Adjustment] dialog box.
- To review the last setting entered, click "Return to Step 2."

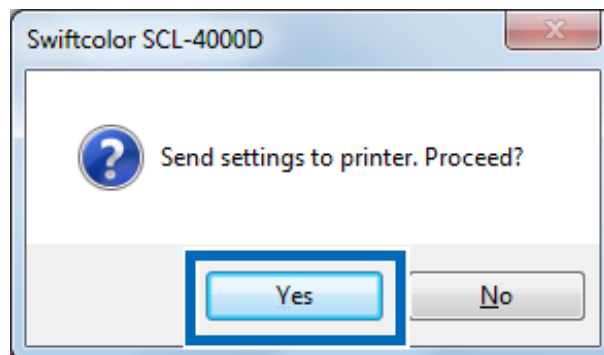
9

When the entry is complete, click [Send].



10

The transmission confirmation window appears. Click [Yes].

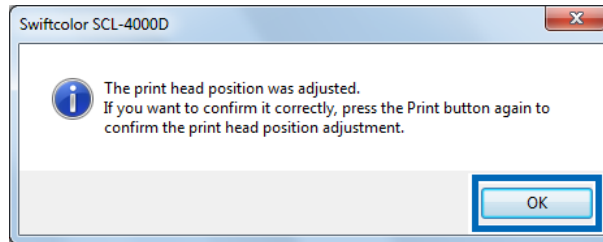


The adjustment value is transmitted to the printer to adjust the head positions.

5. Printer Maintenance

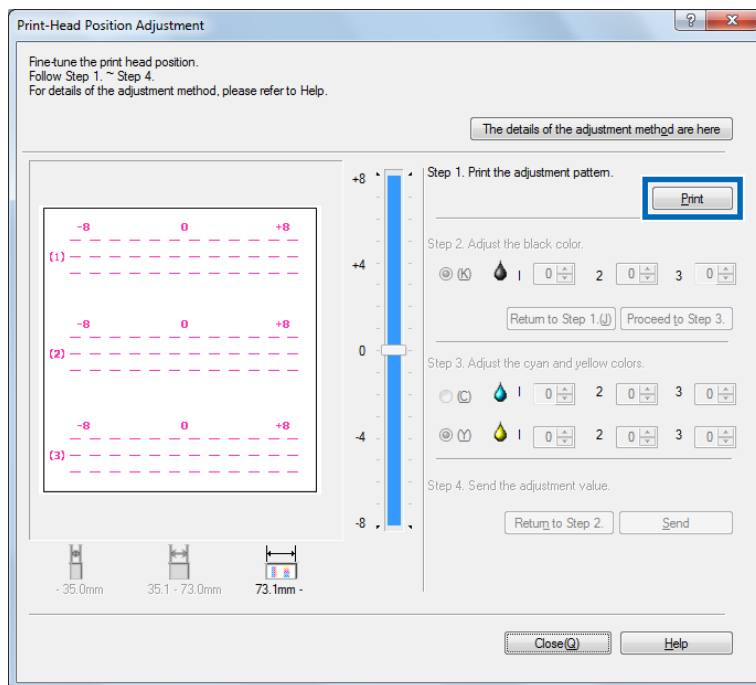
11

Click [OK].



12

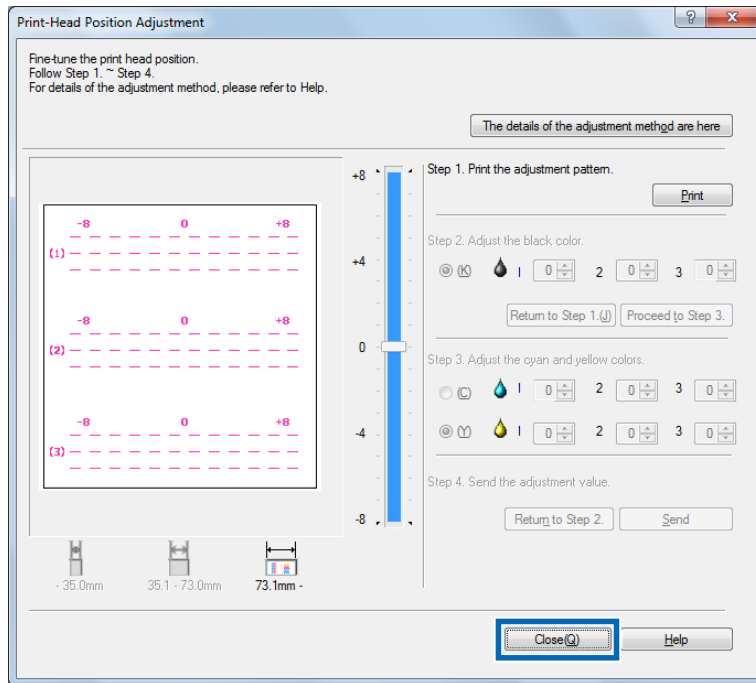
Click [Print] again to detailed adjustment pattern and check that the head positions have been adjusted correctly.



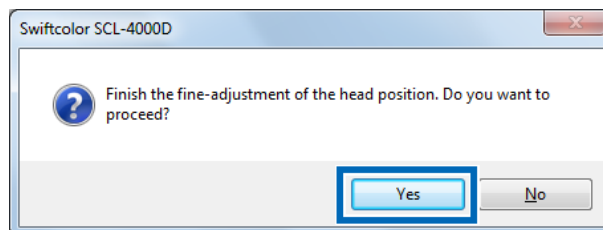
Check the adjustment pattern printed. If the line at the "0" position in each color appears smoothly linked, the adjustment process is completed.
If the lines appear out of alignment, retry from Step 1 afterwards.

13

Click [Close].



A message is displayed to confirm the completion of the printhead position fine-tuning.



14

Click [Yes].

5. Printer Maintenance

5-4 Check the Output Setting Value

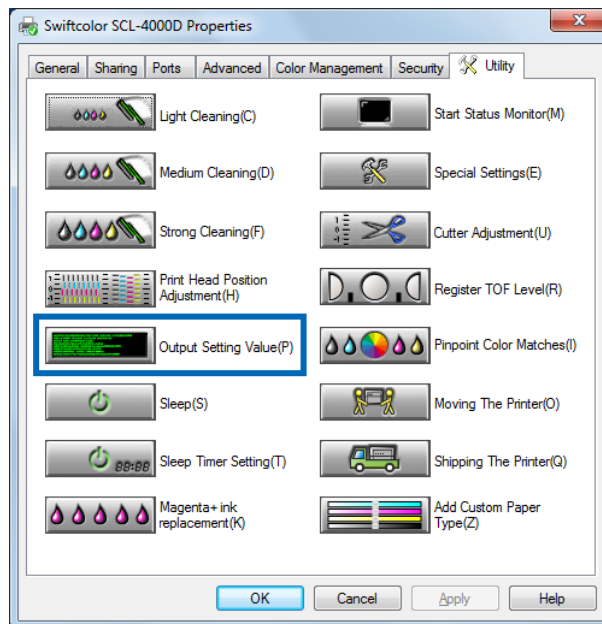
Prints the setting values that are set in the printer. Use dedicated color label printer paper having a paper size of 4 x 3 inches or larger to perform "Settings Output."

Note

- If paper size is smaller than 4 x 3 inches, the print result may appear void or the setting values not printed on the paper.
- Check that paper is loaded.
- Printer settings cannot be printed while printing is in progress or an error persists.

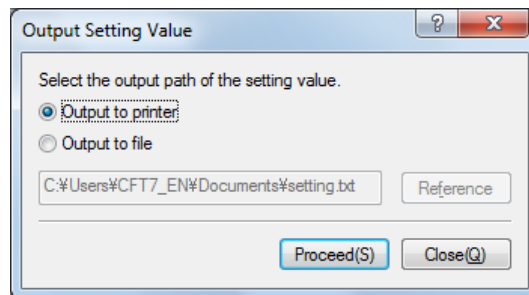
1

Open the [Utility] sheet in the [Swiftcolor SCL-4000D (or SCL-4000P) Properties] dialog box and click [Output Setting Value].



2

The confirmation dialog box appears.

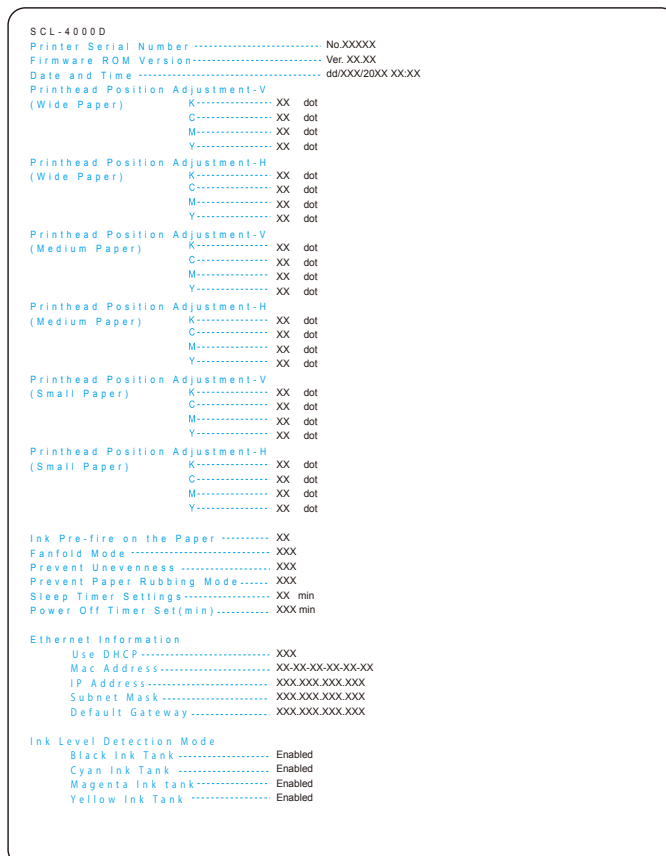


3

Select [Output to printer] or [Output to file] and click [Proceed]. Select [Output to printer] in most situations.

The current setting values set in the printer are printed.

■ <How to Read Output Setting Value. >



5-5 Replacing Ink Tanks

When the remaining ink level becomes low, the message “XXXX ink low” is displayed on the Status Monitor to notify you that the corresponding ink tank will soon be out of ink. When the ink tank has become out of ink although printing can be continued, the message “Out of XXXX ink” is displayed and printing stops.

The printer has tanks of four colors: black (Bk), cyan (C), magenta (M), and yellow (Y).

Confirm the message displayed on the Status monitor and replace the ink tank which has become out of ink.

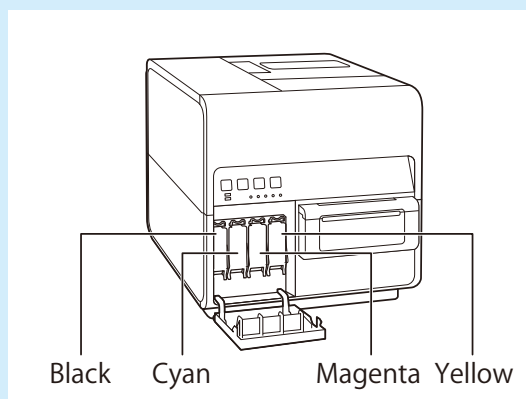
Note

- When the message “XXXX ink low” is displayed, get a new ink tank as soon as possible. For how to get a new ink tank, contact your local dealer.
- To maintain the best printing quality, please use only Swiftcolor SCL-4000D, Swiftcolor SCL-4000P ink tanks.

When purchasing ink tanks, check that they bear the following model numbers:

	SCL-4000D(Dye model)	SCL-4000P(Pigment model)
Black Ink Tank	SCL-D400BK	SCL-P400BK
Cyan Ink Tank	SCL-D400C	SCL-P400C
Magenta Ink Tank	SCL-D400M+	SCL-P400M
Yellow Ink Tank	SCL-D400Y	SCL-P400Y

- The positions of the ink tanks are as shown below.



The printer is designed so that ink tanks cannot be inserted in wrong ink tank slots. Do not attempt to insert ink tanks in wrong ink tank slots forcibly.

Important

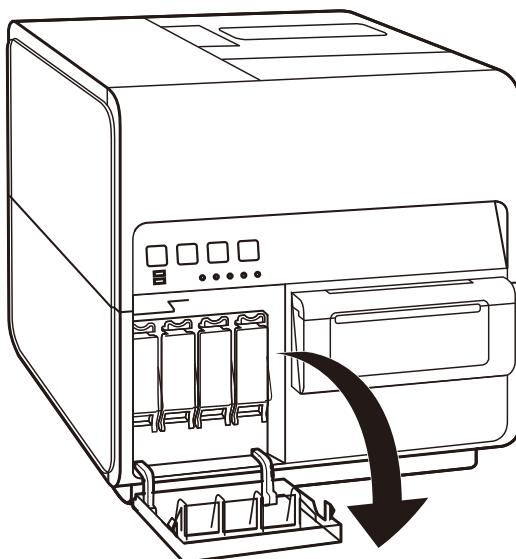
- To maintain printhead quality, printer stops operating before it is completely out of ink. Therefore, a small amount of ink remains in ink tank to be replaced.
- To get a good printing result, use up each ink tank within six months of the first opening the package.
- Do not remove an ink tank unless you must replace it. This could shorten the life of the consumables.
- Complete the ink tank replacement procedure as quickly as possible. Do not leave the printer with ink tanks removed.
- An ink tank left in a high-temperature place can deform. However, there is nothing wrong with its functions.
- It is recommended that ink tanks be stored in a place where the temperature does not rise extremely.

! Caution

- For safety, keep the ink tank out of the reach of children.
- If ink is accidentally ingested, contact a physician immediately.

1

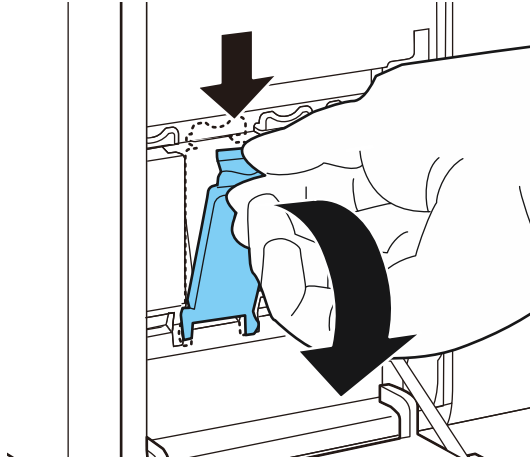
Open the ink tank door.



5. Printer Maintenance

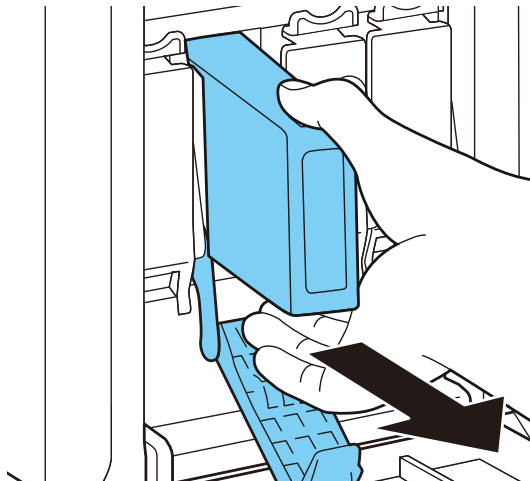
2

Open the ink tank cover.



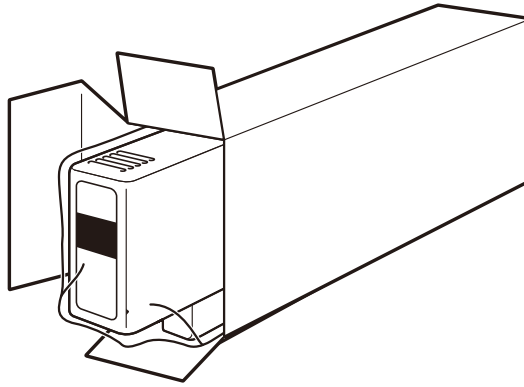
3

Pull out an empty ink tank slowly.



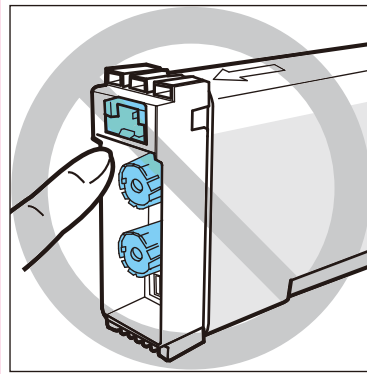
4

Take out a new ink tank from the box.



Important

- Do not touch the ink outlet and terminal to prevent soiling of the surrounding work area, damage to the ink tank, and poor printing.

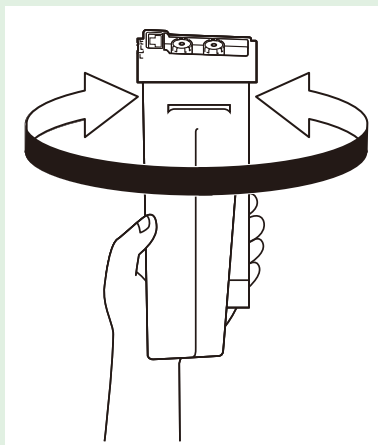


- Never apply excessive force nor drop an ink tank. Ink can stain clothing and the work area.

5. Printer Maintenance

■ For SCL-4000P Users

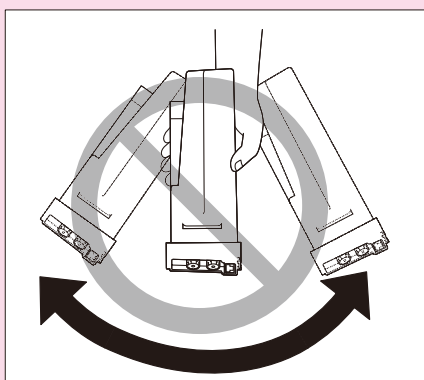
Because the components of the pigment ink are likely to settle, please shake the ink tank 2-3 times slowly with the ink supply port facing upward before installing it to the printer.



- Even for a used ink tank for water-based pigment ink, be sure to similarly shake it before installing to printer.

Important

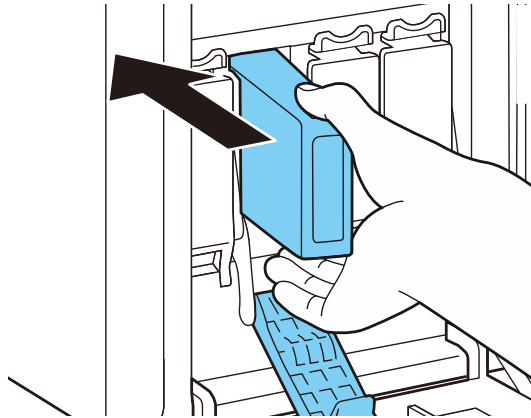
- Because ink may leak from the ink supply port and get on clothing or blemish the surrounding area, do not shake the ink tank with the port facing down.



5

Load a new ink tank.

Slowly insert the ink tank deeply into the ink tank slot with the correct side up.

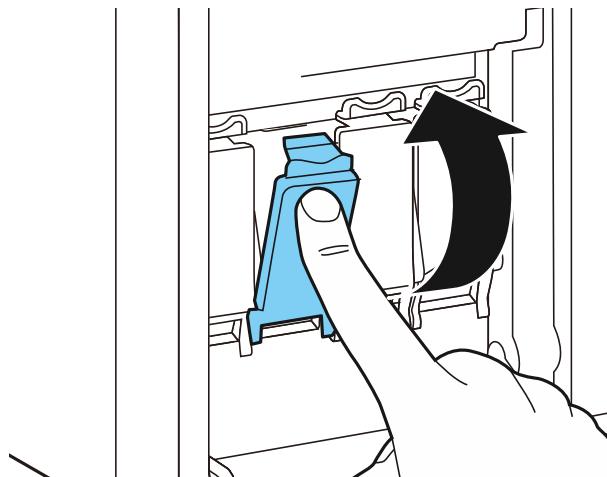


! Caution

- There are sharp pins in ink tank slots. Never put your fingers into this area.

6

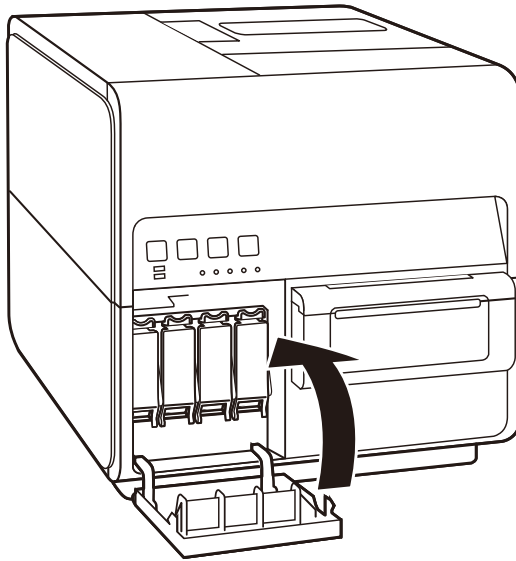
Close the ink tank cover securely.



5. Printer Maintenance

7

Close the ink tank door.



5-6 Replacing the Maintenance Cartridge

When the maintenance cartridge is filled with the collected ink, the message “Maintenance cartridge full” is displayed in the status information area on the Status Monitor, and the printer stops.

Get a new maintenance cartridge, and replace it with the old one.

Note

- When purchasing maintenance cartridges, check that they bear the following model number:

Maintenance cartridge : Model name : MC-01

Important

- To prevent ink from leaking from a used Maintenance Cartridge, avoid dropping the cartridge or storing it at an angle. Otherwise, ink may leak and cause stains.
- Ink adheres to the top of the Maintenance Cartridge after it has been used. Handle the Maintenance Cartridge carefully during replacement. The ink may stain clothing.

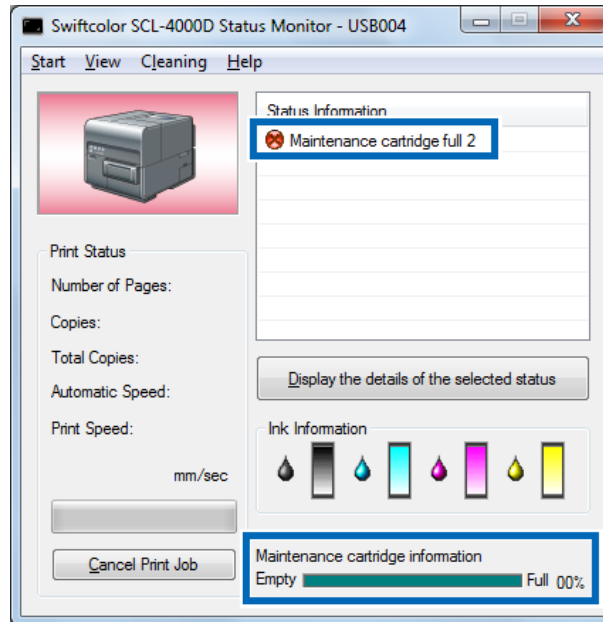
Caution

- For safety, keep the Maintenance Cartridge out of the reach of children.
- If ink is accidentally ingested, contact a physician immediately.

5. Printer Maintenance

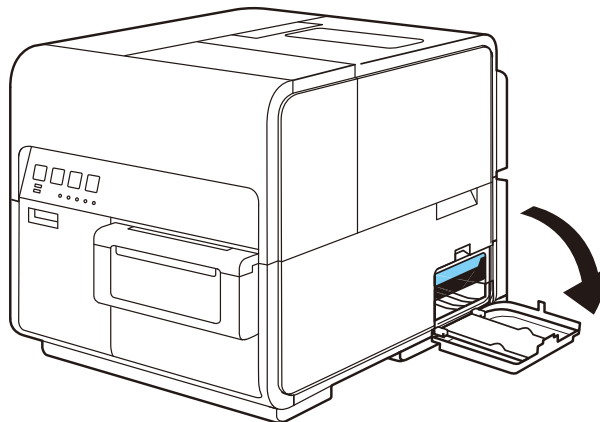
1

When the maintenance cartridge is filled with collected ink, an error message is displayed on the Status Monitor.



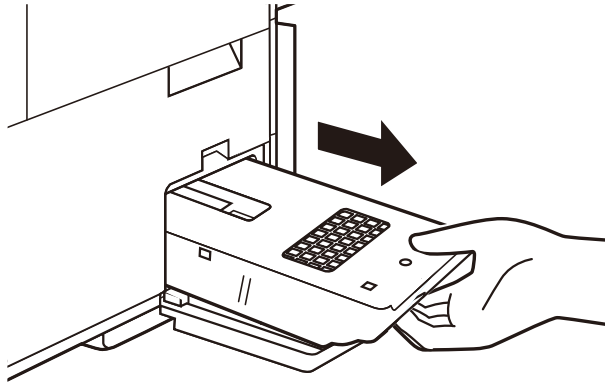
2

Open the maintenance cartridge door.



3

Draw out the maintenance cartridge slowly.

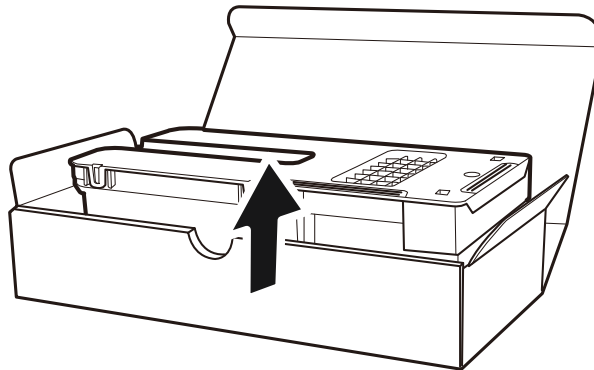


Important

- When removing the maintenance cartridge full of ink, take care not to incline or drop it. The spilled or scattered ink may stain the floor or clothing.

4

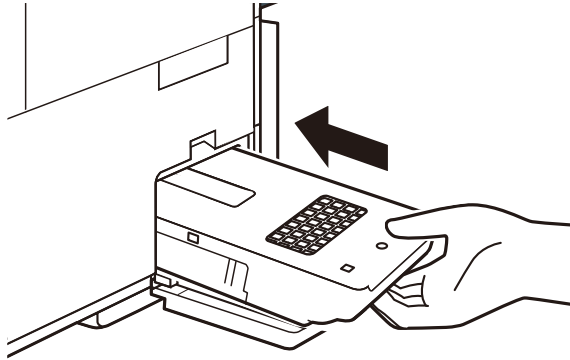
Take out a new maintenance cartridge from the box.



5. Printer Maintenance

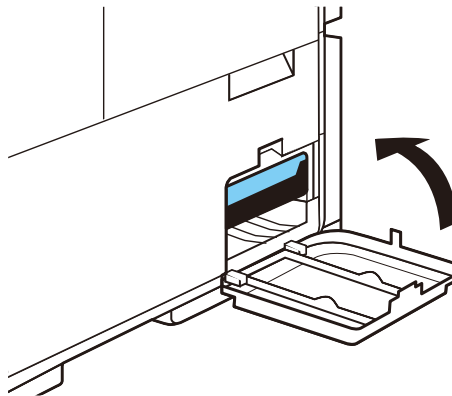
5

Insert a new maintenance cartridge.



6

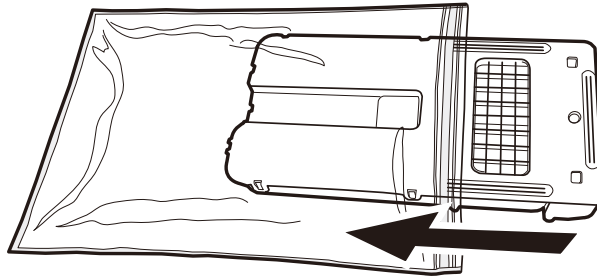
Close the maintenance cartridge door.



The error message on the Status Monitor disappears, and printing starts.

7

Put the used maintenance cartridge in the plastic bag included with the new maintenance cartridge and properly dispose of it.

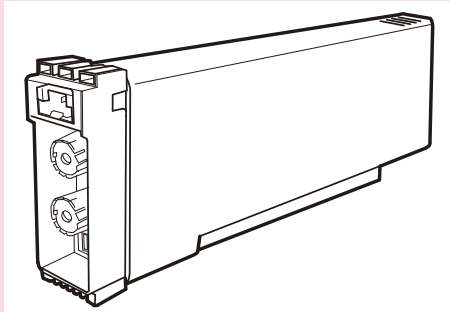


→ 5-8 Used Maintenance Cartridge (P.184)

5-7 Used Ink Tanks

Important

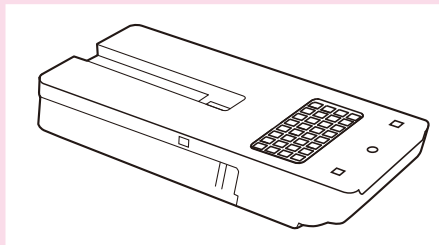
- Dispose the used ink tank in accordance with local laws and regulations.



5-8 Used Maintenance Cartridge

Important

- Dispose the used maintenance cartridge in accordance with local laws and regulations.



- For instructions on disposal, refer to Replacement Procedure enclosed with Maintenance Cartridge.

5-9 Cleaning the Printer

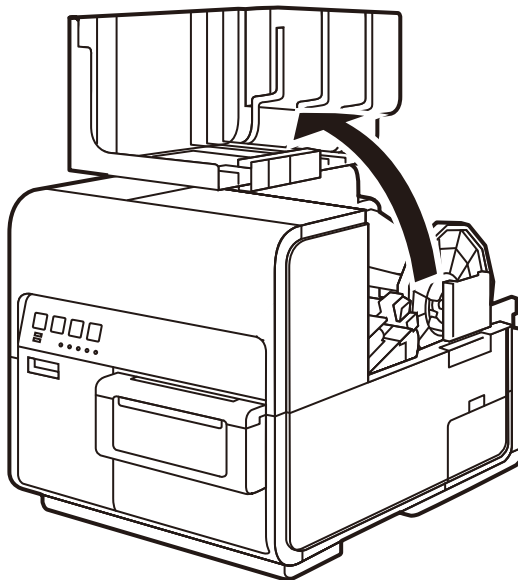
When the back side of paper has come to be stained with ink, remove ink from the transport section using a cleaning stick.

Caution

- Be sure to remove the power plug from the outlet before cleaning the printer. If the printer should operate unexpectedly, a failure or injury can result.

1 Press the power key for at least 1 second to put the printer in the power-off state. Remove the power plug from the outlet.

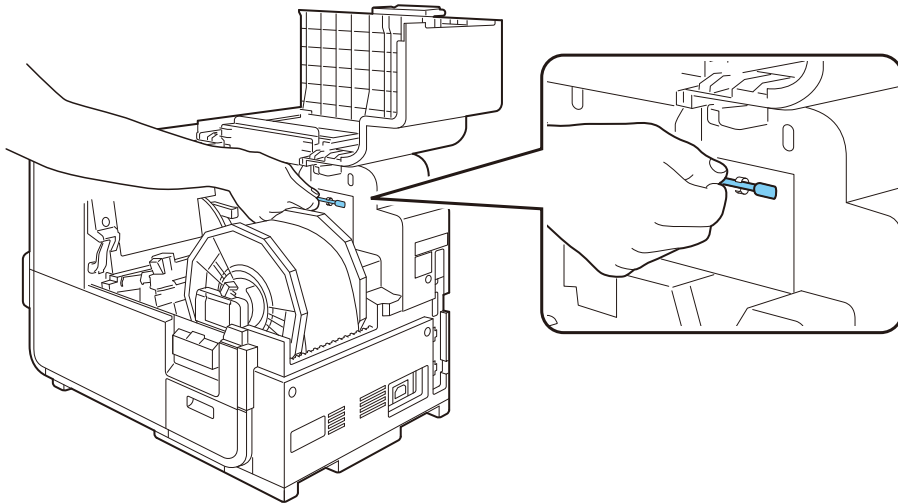
2 Open the roll cover.



5. Printer Maintenance

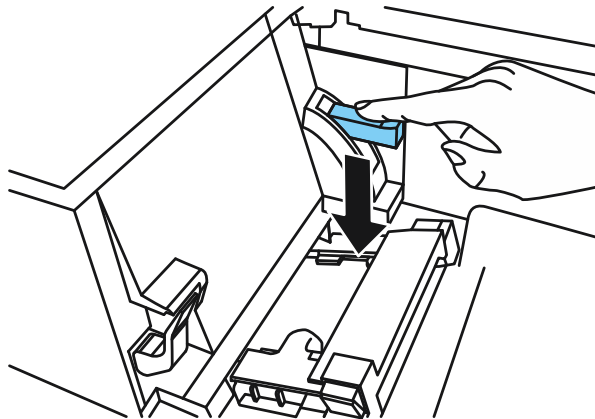
4

Remove the attached cleaning stick.



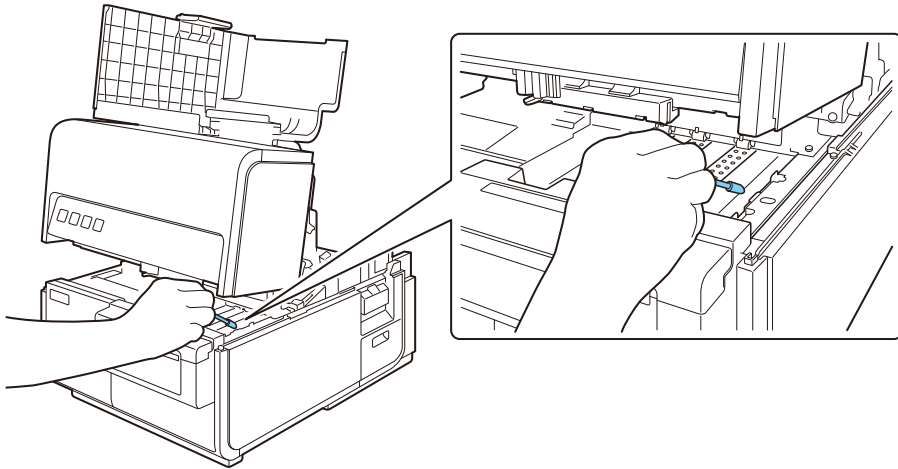
5

Press down the upper unit open lever (at the back of the feeder) to open the upper unit.



6

Using a cleaning stick, clean the transport section stained with ink.



Note

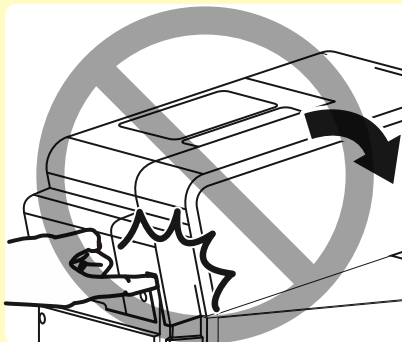
- Do not use paper towels or tissue paper. Cut paper chips or paper dust entering the printer may cause failures.

7

Close the upper unit.

! Caution

- When closing the upper unit, take care not to touch the interface at the back with your finger. Your finger can be caught in the interface, resulting in injury.



5. Printer Maintenance

5-10 Perform the Ink Refresh (water-based pigment ink model only)

SCL-4000P gradually settles with the passing of time. Circulation of ink within the print head and through ink flow channels, as well as agitation of the ink in the ink tank must be performed periodically.

Important

- The day count for the “Warning” or “Operator Call” of the ink refresh function starts upon the installation of the ink tank.

If the ink tank is not replaced in 54 days or 84 days, “Warning” or “Operator Call” will appear on the status monitor.

- Do not execute any other operations while Ink Refresh is in progress.
- Be sure to perform Ink Refresh if “Warning: Ink Refresh Timing 1” or “Operator Call: Exceeding Ink Refresh Timing 1” is displayed.

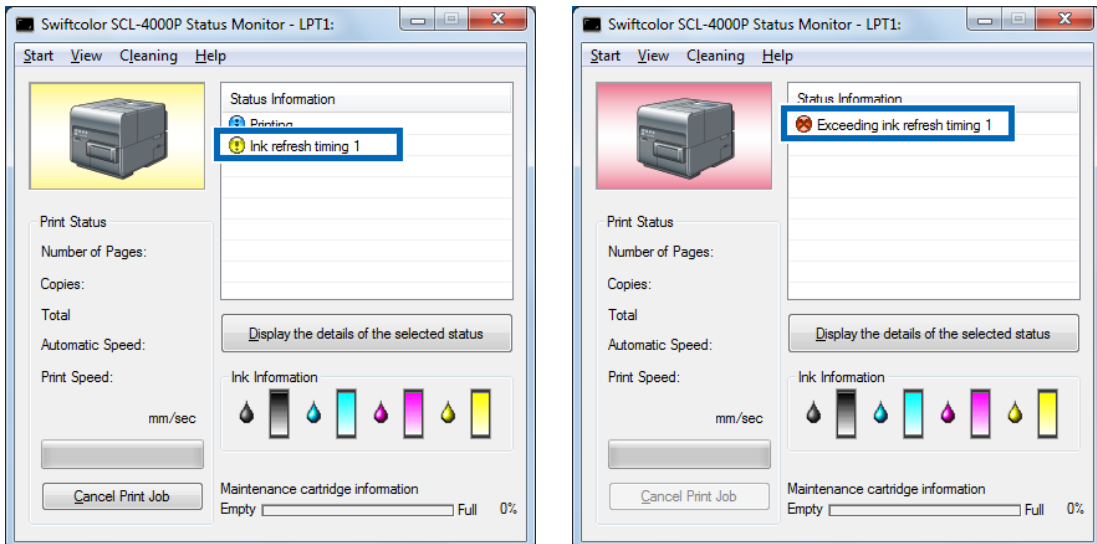
Note that performing Ink Refresh when “Operator call: Exceeding Ink Refresh Timing 2 or 3” is displayed will consume ink.

Status monitor message	Warning1	Operator call 1	Operator call 2
Time after installation of ink tank	55 days to 59 days [5 days]	60 days to 89 days [30 days]	From the 90 days
Display name on status monitor	Ink refresh timing 1 → 5-10-1. Ink Refresh Part 1 (P.189)	Exceeding ink refresh timing 1 → 5-10-1. Ink Refresh Part 1 (P.189)	Exceeding ink refresh timing 2 → 5-10-2. Ink Refresh Part 2 (P.199)
Solution	Performing ink refresh at this point in time does not consume ink. Once ink refresh is performed, “Warning 1” will be displayed after the next 55 days. <Printer will not stop.>	Appears when ink refresh is not performed when “Warning 1” is displayed. This operation does not consume ink. Once ink refresh is performed, “Warning 1” will be displayed after the next 55 days. <Printer will be forcibly stopped.>	Appears when ink refresh is not performed at both “Warning 1” and “Operator Call 1”. Once ink refresh is performed, “Warning 1” will be displayed after the next 55 days. Note that performing ink refresh at this timing will consume ink. <Printer will be forcibly stopped.>
Status monitor message	Operator call 3		
Time since last printing operation	60 days or longer		
Display name on status monitor	Exceeding ink refresh timing 3 → 5-10-3. Ink Refresh Part 3 (P.203)		
Solution	Appears if printing or ink refresh has not been performed at all for 60 days or more since last printing operation (only turning on the power does not count as printing operation). Settling of the ink will have progressed to a point where it cannot be returned to the ink tank, therefore all ink within the flow channels is discharged. Note that this operation will consume large amount of ink. If ink refresh is performed at this point, “Warning 1” or “Warning 2” will be displayed the next time Ink Refresh is required. In order to avoid this condition, at least 1 printing operation every 2 months is recommended. <Printer will be forcibly stopped.>		

5-10-1. Ink Refresh Part 1

1

The warning for [Ink refresh timing 1] or operator call for [Exceeding ink refresh timing 1] appears on the status monitor.



Note

- Check details by clicking “Display the details of the selected status” on the status monitor.

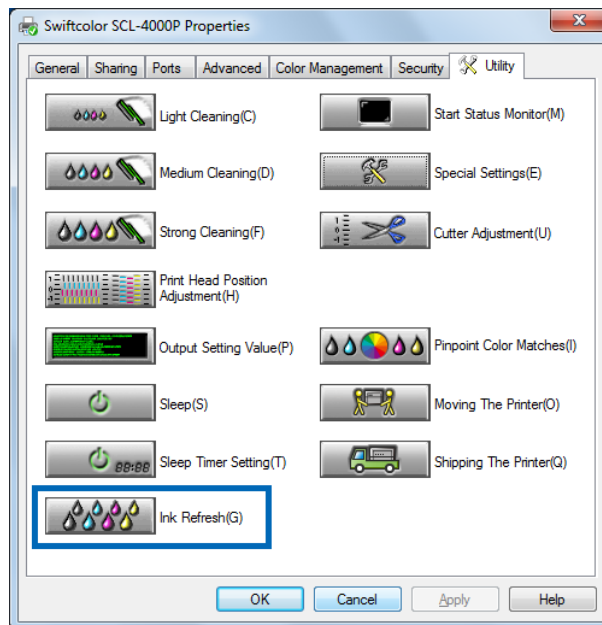
Important

- Because the “Ink Refresh” may not properly operate, be sure to close the status monitor after checking details.

5. Printer Maintenance

2

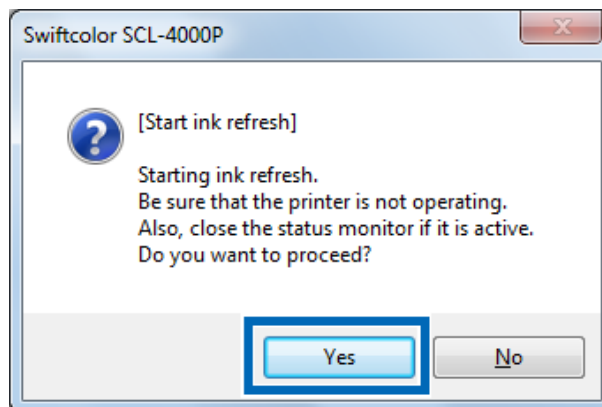
Click [Ink Refresh] on the [Utility] dialog box.



3

Click [Yes] on the confirmation dialog.

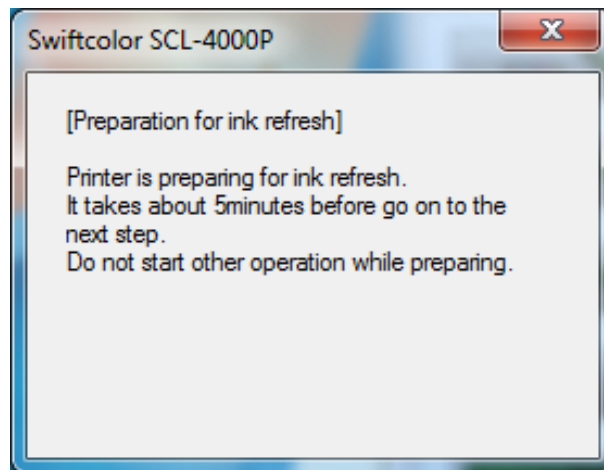
Preparation takes approximately 5 minutes.



4

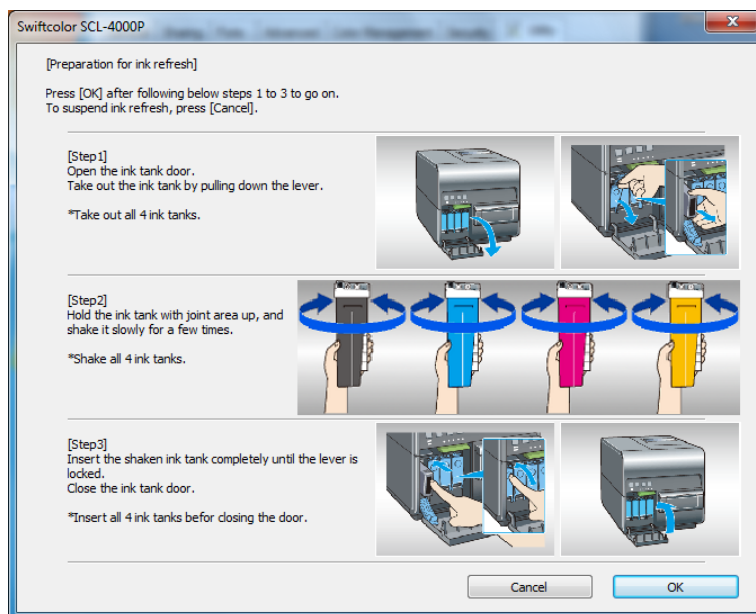
The printer undergoes "Preparation for ink refresh".

All ink within ink flow channels is returned to the ink tank.



5

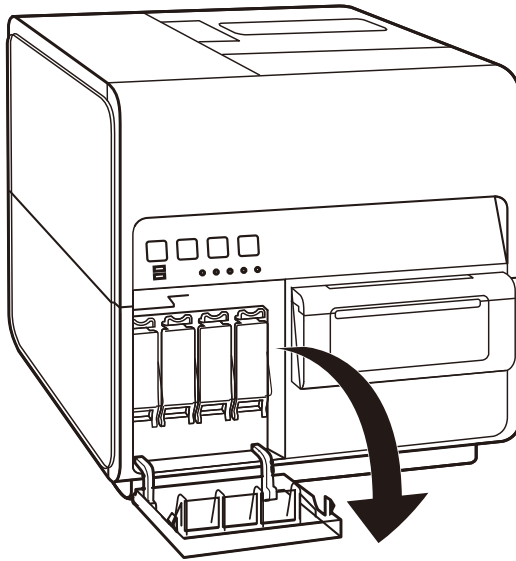
Once preparation is complete, the dialog will automatically close and the next dialog appears.



5. Printer Maintenance

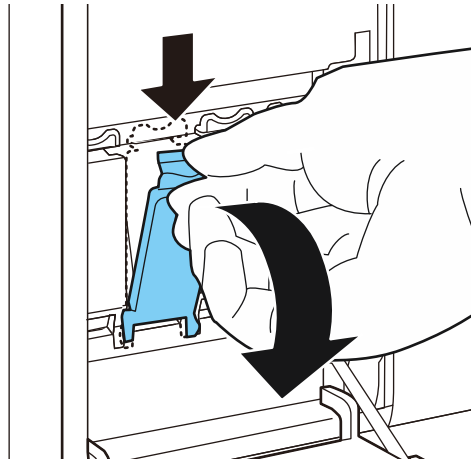
6

Open the ink tank door.



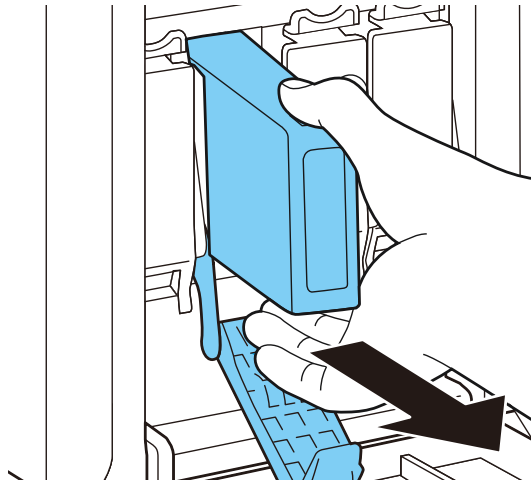
7

Open the ink tank cover.



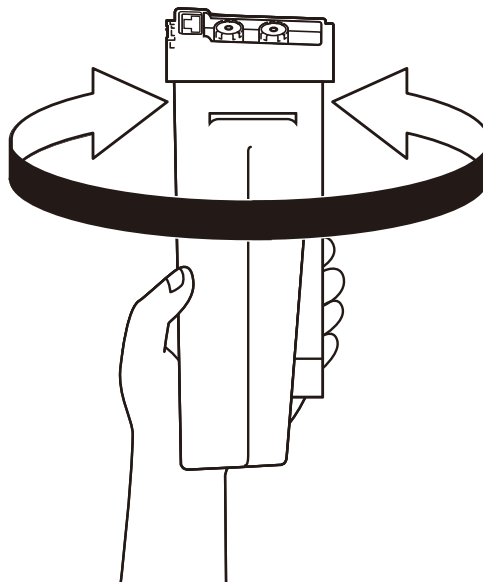
8

Pull out an ink tank slowly.



9

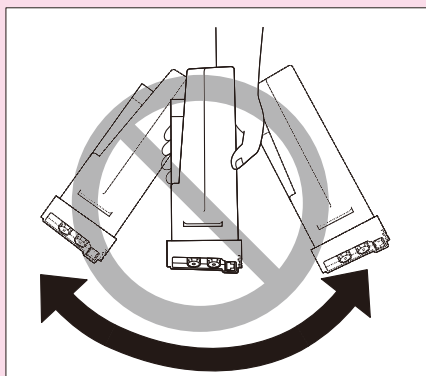
Slowly shake the each of the ink tanks 2 to 3 times with the ink supply port facing up as shown in the figure.



5. Printer Maintenance

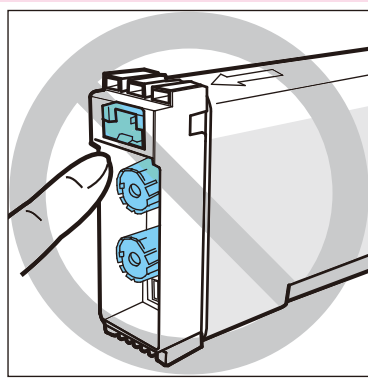
Important

- Be sure to shake the ink tank of all 4 colors.
- Because ink may leak from the ink supply port and get on clothing or blemish the surrounding area, do not shake the ink tank with the port facing down.



Important

- Do not touch the ink outlet and terminal to prevent soiling of the surrounding work area, damage to the ink tank, and poor printing.

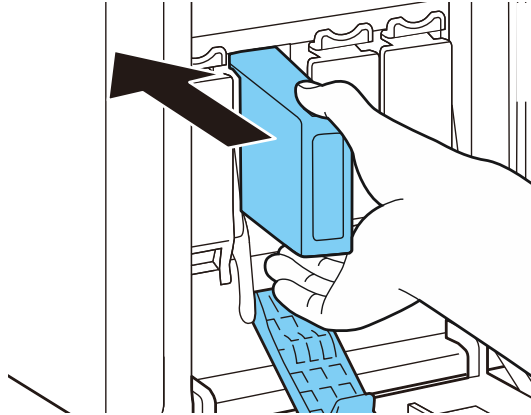


- Never apply excessive force nor drop an ink tank. Ink can stain clothing and the work area.

10

Load a ink tank.

Slowly insert the ink tank deeply into the ink tank slot with the correct side up.



Caution

- There are sharp pins in ink tank slots. Never put your fingers into this area.

11

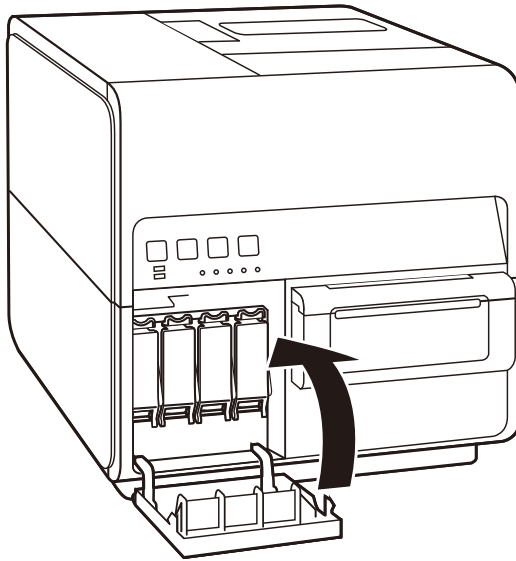
Close the ink tank cover securely.



5. Printer Maintenance

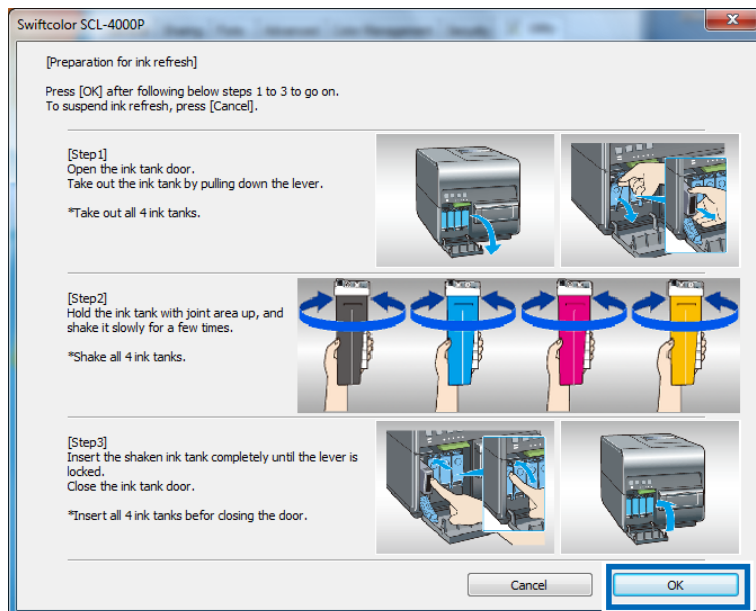
12

Close the ink tank door.



13

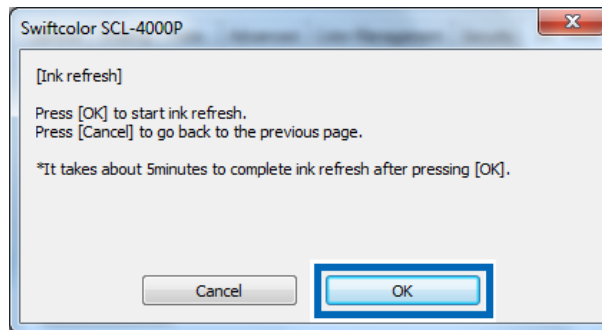
Click [OK].



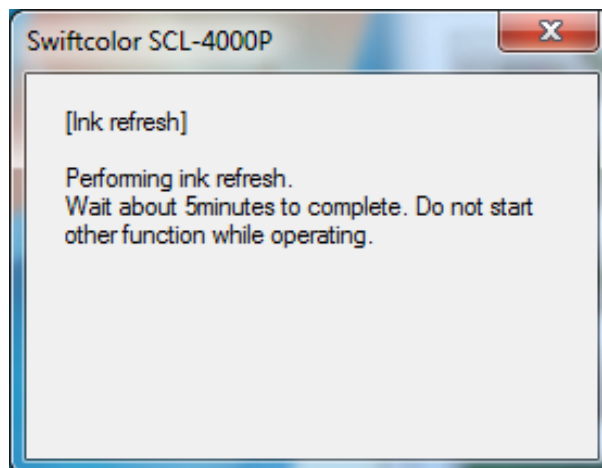
Important

- Be sure not to press the "Cancel" key while operation is in progress. Pressing "Cancel" causes the initial print to take time.

14 When the confirmation window appears, click [OK].

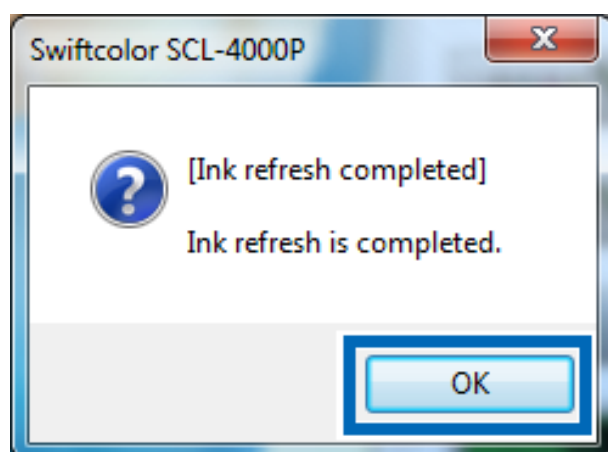


15 The printer performs "Ink Refresh".
This operation takes approximately 5 minutes.



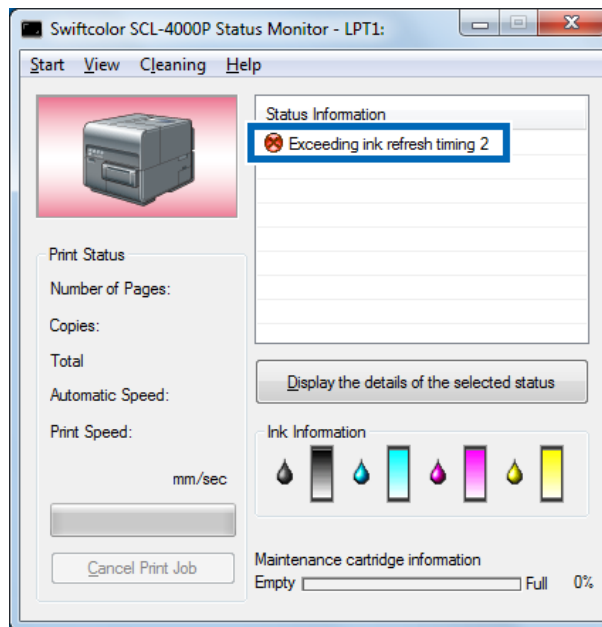
16

"Ink Refresh" has been completed. Click [OK].



5-10-2. Ink Refresh Part 2

- 1 [Exceeding ink refresh timing 2] appears on the status monitor and printer is stopped.

**Note**

- Check details by clicking "Display the details of the selected status" on the status monitor.

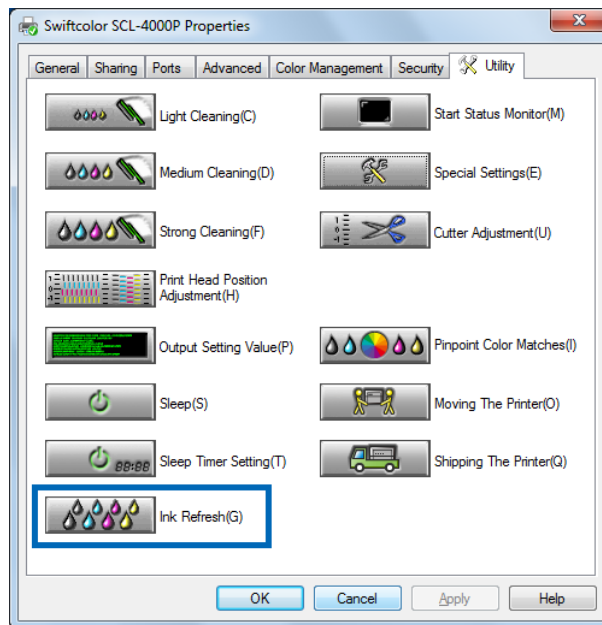
Important

- Because the "Ink Refresh" may not properly operate, be sure to close the status monitor after checking details.

5. Printer Maintenance

2

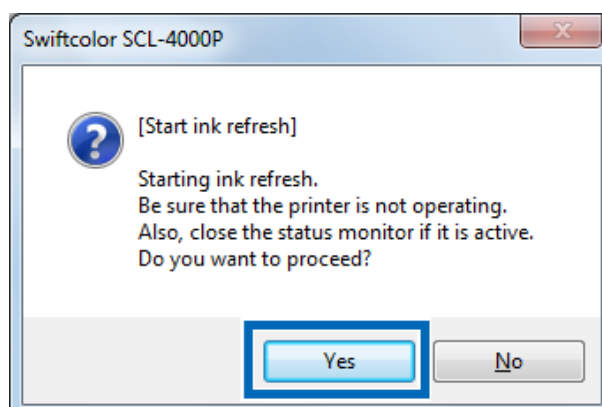
Click [Ink Refresh] on the [Utility] dialog box.



3

Click [Yes] on the confirmation dialog.

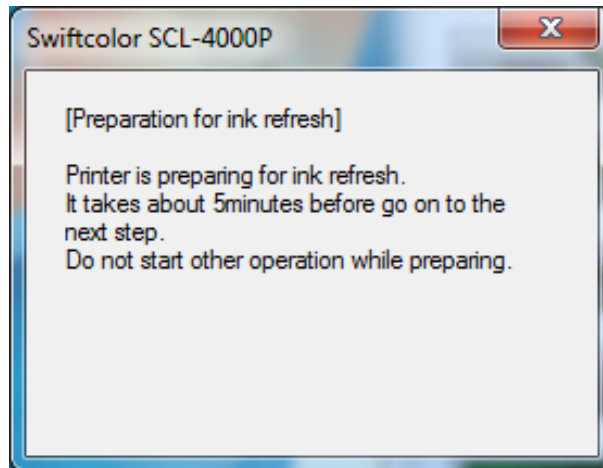
Preparation takes approximately 5 minutes.



4

The printer undergoes preparation for "Ink Refresh".

Ink within the ink channels inside the printer is discharged.



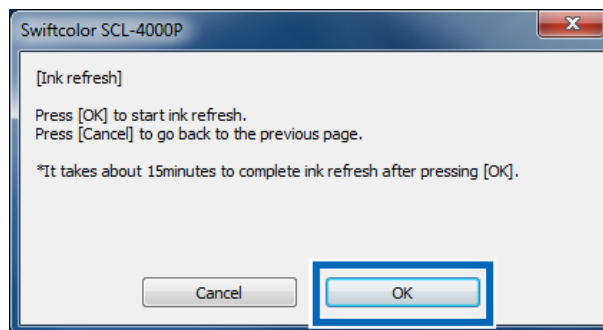
5

Perform steps 5 through 13 of "Ink Refresh Part 1".

→ 5-10-1. Ink Refresh Part 1 (P.189)

6

When the confirmation window appears, click [OK].

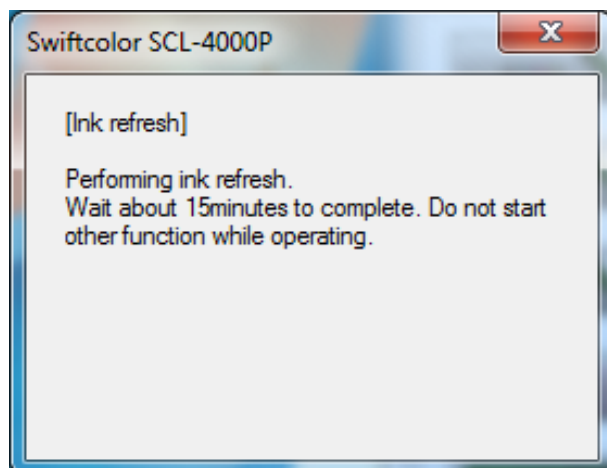


5. Printer Maintenance

7

The printer performs "Ink Refresh".

This operation takes approximately 15 minutes.

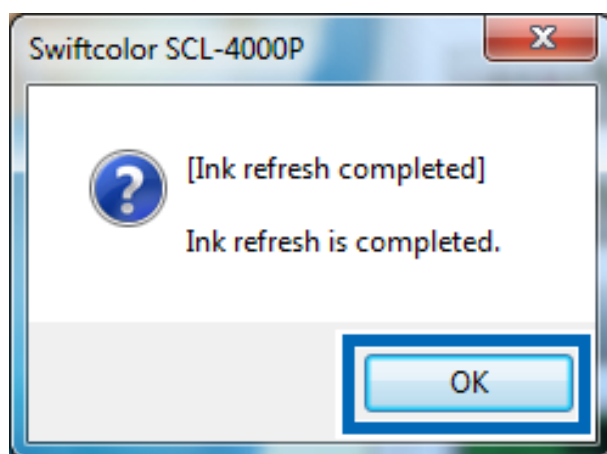


Important

- If ink refresh has not been performed until 90 days have passed, the operation of Ink Refresh will take approximately 15 minutes.

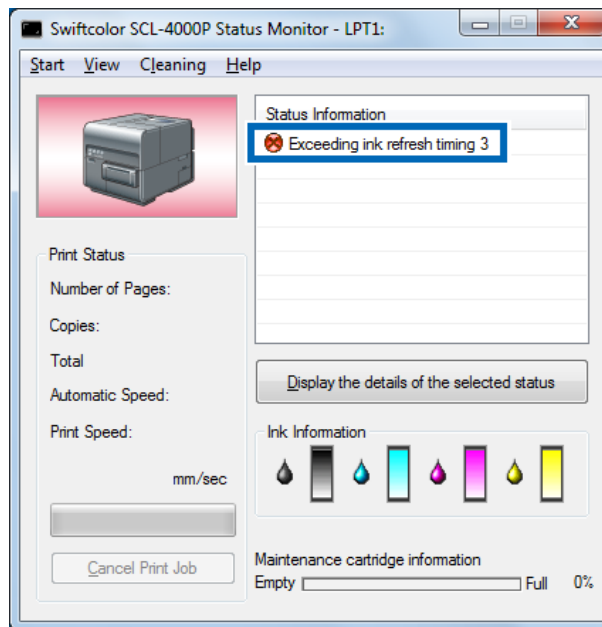
8

"Ink Refresh" has been completed. Click [OK].



5-10-3. Ink Refresh Part 3

- 1 [Exceeding ink refresh timing 3] appears on the status monitor and printer is stopped.

**Note**

- Check details by clicking “Display the details of the selected status” on the status monitor.

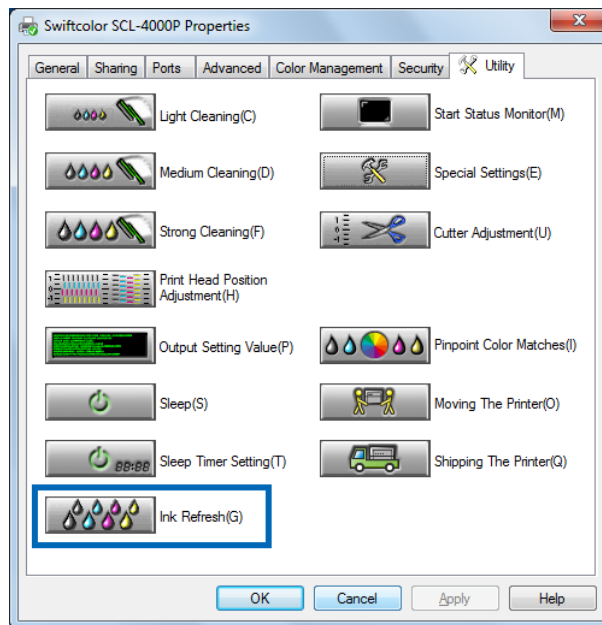
Important

- Because the “Ink Refresh” may not properly operate, be sure to close the status monitor after checking details.

5. Printer Maintenance

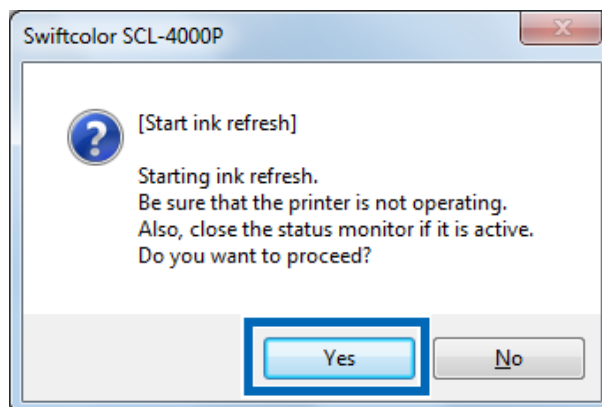
2

Click [Ink Refresh] on the [Utility] dialog box.



3

Click [Yes] on the confirmation dialog.



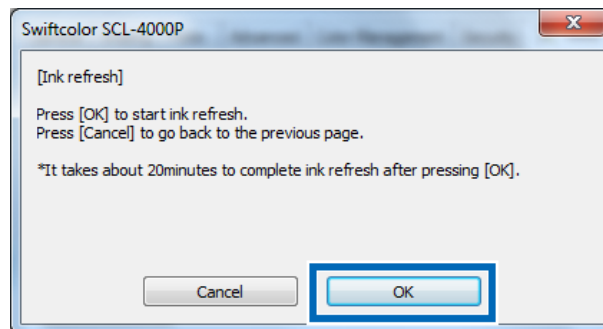
4

Perform steps 5 through 13 of “Ink Refresh Part 1”.

→ 5-10-1. Ink Refresh Part 1 (P.189)

5

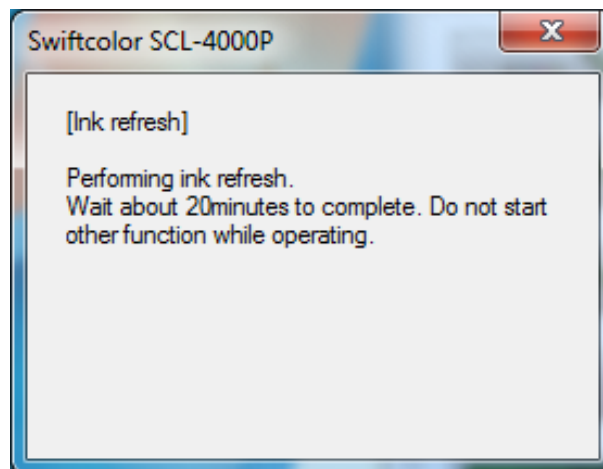
When the confirmation window appears, click [OK].



6

The printer performs "Ink Refresh".

This operation takes approximately 20 minutes.



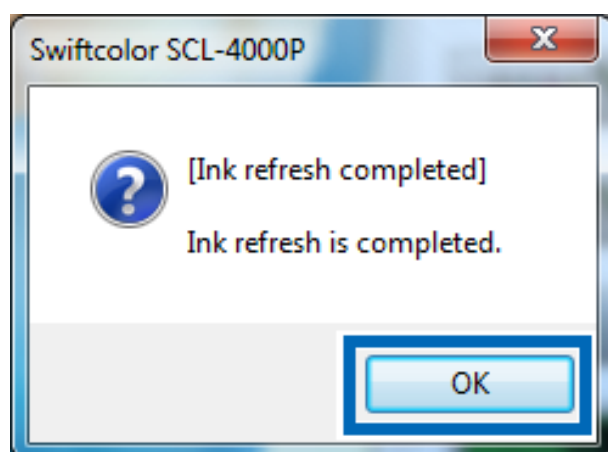
Important

- Only in conditions where printing operation has not been performed for 60 days or more, the operation for Ink Refresh will take approximately 20 minutes.

5. Printer Maintenance

7

"Ink Refresh" has been completed. Click [OK].



6. Troubleshooting

This section describes how to troubleshoot problems when the printer is not operating correctly.

If you cannot solve the problem by following these troubleshooting procedures, please contact the dealer where you purchased the printer or the nearest Tech Support.

6-1 Error or Warning Messages

The Status Monitor will display a warning or error message when a problem occurs in the printer while it is idle or during a print job.

Note

- When an error message is displayed, the printer automatically enters the offline mode. Even after recovery of the error, the printer may not enter the online mode automatically depending on the type of the error. In this case, press the power key to place the printer to the online mode forcibly.
- If multiple errors occur simultaneously, all the relevant messages will appear in the Status Monitor. Take remedial actions to revolve the individual errors.

■ Operator Call Error Messages

Error Message	Problem	Solution
Upper unit open.	The upper unit is open.	Close the upper unit.
Ink tank door open.	The ink tank door is open.	Close the ink tank door.
Maintenance cartridge door open.	The maintenance cartridge door is open.	Close the maintenance cartridge door.
Paper guide open.	The paper guides are open.	Close the paper guides.
Roll cover open.	The roll cover is open.	Close the roll cover.
Paper empty 1.	Paper has run out.	Load paper. → 1-4 Paper Loading Procedure (P.17) To cancel the print job, click [Cancel Print Job] in the Status Monitor. → 2-2 Canceling Print Jobs (P.38)

6. Troubleshooting

Error Message	Problem	Solution
Paper empty 2.	Paper is not fed.	Reload the paper. → 1-4-2. Setting Paper in the Printer (P.19) To cancel the print job, click [Cancel Print Job] in the Status Monitor. → 2-2 Canceling Print Jobs (P.38)
Paper length different 1 to 3.	The print data and the length of the paper loaded do not match.	Check the print data and the length of the paper loaded.
Paper Width different.	The width of the paper loaded differs from the paper size setting of the application software and the printer driver.	If the wrong size of paper is loaded or the paper guides are out of position, replace with the correct size of paper or correct the paper guide positions. → 1-4-2. Setting Paper in the Printer (P.19) If the application software and the printer driver have been configured incorrectly, click [Cancel Print Job] in the Status Monitor. Set the correct paper size and then retry the print job.
Paper jam 1 to 26.	The transport path, feeder, or delivery area is clogged with paper.	Reload the paper. If the problem recurs, contact the dealer from whom this printer was purchased or our service shop. → 1-4-2. Setting Paper in the Printer (P.19)
Paper load error	Paper was not set properly.	Reload the paper. → 1-4-2. Setting Paper in the Printer (P.19)
XXXX ink empty.	The XXXX ink has run out.	Replace with a new ink tank.
XXXX ink tank setting error.	The ink tank is not installed correctly.	Install the ink tank again.
XXXX ink tank abnormality.	The ink tank is abnormal.	Replace with a new ink tank.
Maintenance cartridge full.	The maintenance cartridge is full with collected waste ink.	Install a new maintenance cartridge. → 5-6 Replacing the Maintenance Cartridge (P.179)
Maintenance cartridge setting error.	The maintenance cartridge is not installed correctly.	Install a maintenance cartridge again.
Maintenance cartridge abnormality.	The maintenance cartridge is abnormal.	Replace with a new maintenance cartridge.
Update error 1 to 4.	The firmware update has failed.	Retry the update. If the same operator call recurs after taken remedial actions to it, contact the dealer from whom this printer was purchased or our service shop.

Error Message	Problem	Solution
Data mismatch 1.	Invalid data has been received from the host.	Check the cable connection and retry.
Data mismatch 2.		Check the cable connection and retry.
Data mismatch 3.		Check the form file information and retry.
Data mismatch 4.		Check the paper shape setting of the printer driver before rerunning the print job.
Memory full.	Memory is lack of capacity because the size of form data for overlay printing is too large.	Cancel printing and create the Form Data again. → 3-6-1. Create Form (P.85)
Overlay data error.	Form overlay data is invalid.	Check the cable connection and retry.
XXXX ink level unknown.	The remaining ink cannot be detected.	Replace with a new XXXX ink tank. Continued printing could cause damages to the printer. To continue printing, press the printer [PAUSE] key for 5 seconds or longer. In this case, the remaining Black ink sensor function is disabled, and the state of the function having been disabled is logged. → Others (P.223)
Unknown error.	An unknown operator call has occurred.	
Connected to a model other than Swiftcolor SCL-4000D or Swiftcolor SCL-4000P.	Connected to a printer other than the Swiftcolor SCL-4000D or Swiftcolor SCL-4000P.	Connect to the Swiftcolor SCL-4000D or Swiftcolor SCL-4000P.
Unable to communicate with the printer bidirectionally.	Two-way communication between the computer and printer is disabled.	Check the printer power and make sure that the printer is in the online or sleep mode, or restart the computer and printer.
Exceeding ink refresh timing 1	Displayed when ink refresh has not been performed.	Perform "Ink Refresh". → 5-10-1. Ink Refresh Part 1 (P.189)
Exceeding ink refresh timing 2		Perform "Ink Refresh". → 5-10-2. Ink Refresh Part 2 (P.199)
Exceeding ink refresh timing 3	Displayed when 60 days have passed without printing since last printing operation.	Perform "Ink Refresh". → 5-10-3. Ink Refresh Part 3 (P.203)

6. Troubleshooting

■ Warning Messages

Error Message	Problem	Solution
XXXX ink low.	The Bk/C/M/Y inks are diminishing.	Prepare new ink tanks.
Maintenance cartridge level low.	The maintenance cartridge will be full with collected waste ink soon.	Replace with a new maintenance cartridge.
Change XXXX printhead.	Time to replace the Bk/C/M/Y Printheads.	Note the message and contact the dealer from whom this printer was purchased or our service shop.
Change purge unit.	The purge unit has passed the time for replacement.	Note the message and contact the dealer from whom this printer was purchased or our service shop.
Change Blade Cleaner.	The blade cleaner has passed the time for replacement.	Note the message and contact the dealer from whom this printer was purchased or our service shop.
Change transport unit.	Time has come to replace the transport unit.	Note the message and contact the dealer from whom this printer was purchased or our service shop.
Stopping black ink level detection.	The remaining XXXX ink level sensor function is disabled.	Install a new ink tank to return to normal.
The print speed is not optimal.	The print speed is not optimal.	Set [Print Speed] in [Advanced Settings] sheet in the [Printing Preferences] dialog box in the printer driver to [Auto Speed].
Unknown warning.	An unknown warning has been received.	Check the printer driver version.
Ink refresh timing 1	Displayed when ink refresh has not been performed.	Perform "Ink Refresh". → 5-10-1. Ink Refresh Part 1 (P.189)

■ Fatal Error

Error Message	Problem	Solution
Service call error (#****)	An irrecoverable error has occurred.	Turn the power off, then back on. If the same error recurs, note the message and contact the dealer from whom this printer was purchased or our service shop.

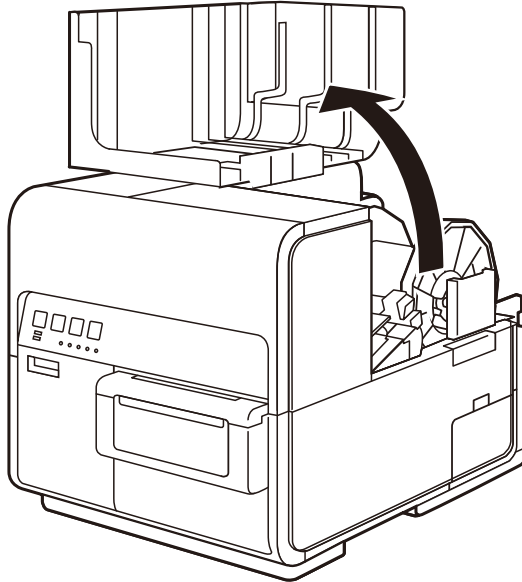
6-2 When Paper is Jammed

If a paper jam occurs during printing, printing is suspended and the error message “Paper jam X” is displayed.

Remove the jammed paper following the procedure described below.

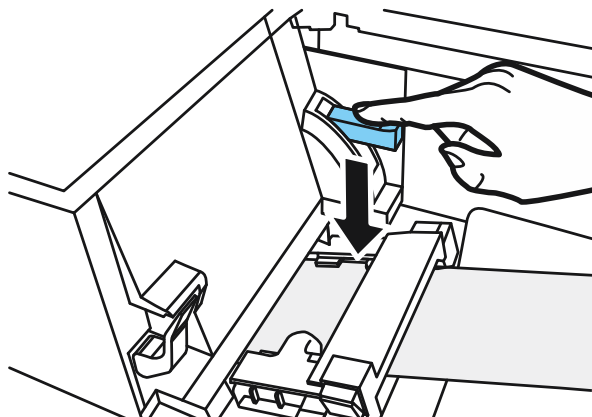
1

Open the roll cover.



2

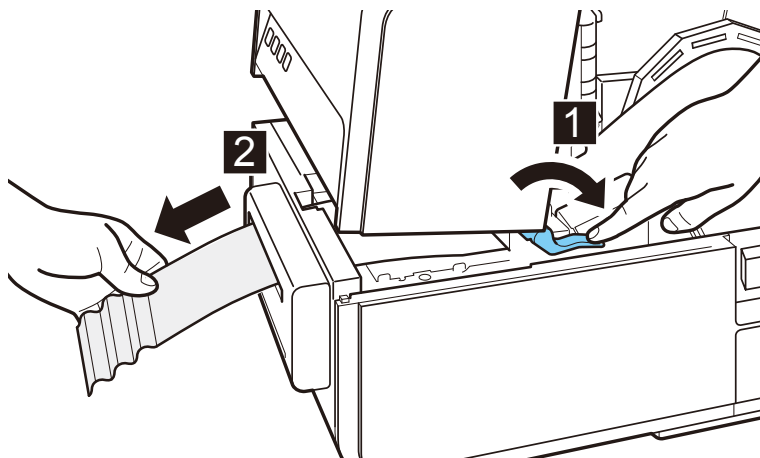
Press down the upper unit open lever (at the back of the feeder) to open the upper unit.



6. Troubleshooting

3

While pushing the jam release lever, pull out the paper jammed in the transport section.

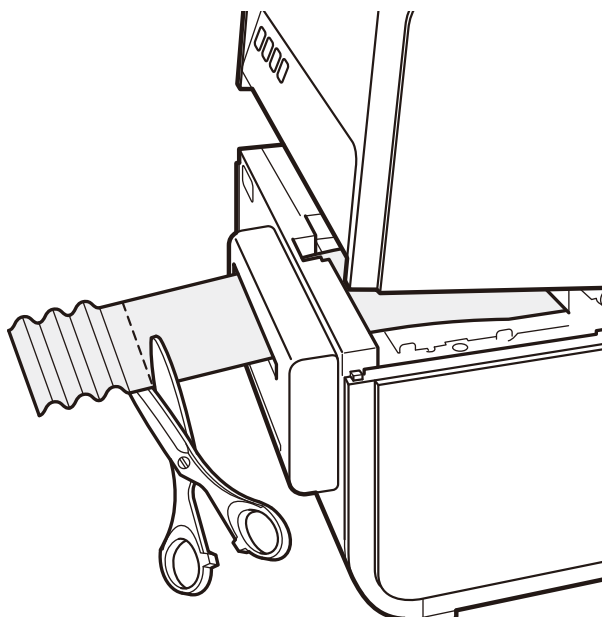


Caution

- When pulling out the jammed paper from the transport section with the upper unit open, take care not to touch the spur inside the upper unit. You can get injured or stained with ink.

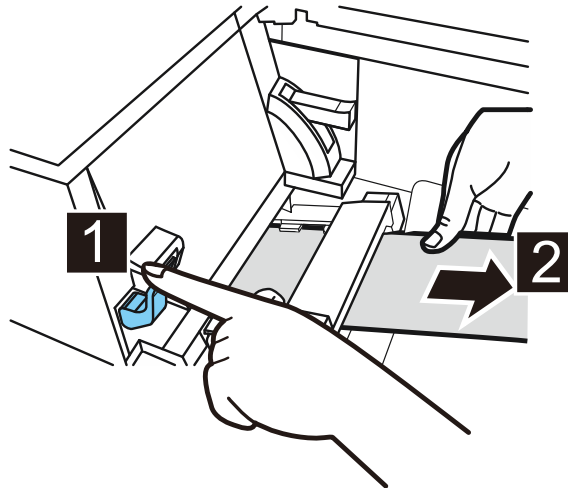
4

Cut the pulled out paper neatly.



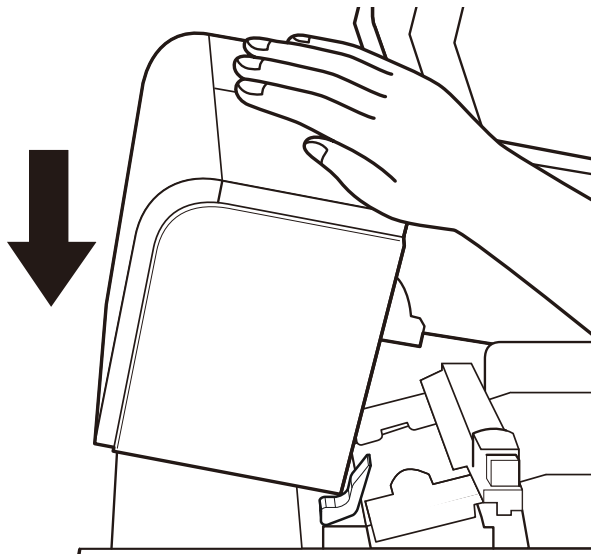
5

While pushing the jam release lever, pull out paper in the direction opposite to the transport direction.



6

Close the upper unit.



6. Troubleshooting

! Caution

- When closing the upper unit, take care not to touch the interface at the back with your finger. Your finger can be caught in the interface, resulting in injury.



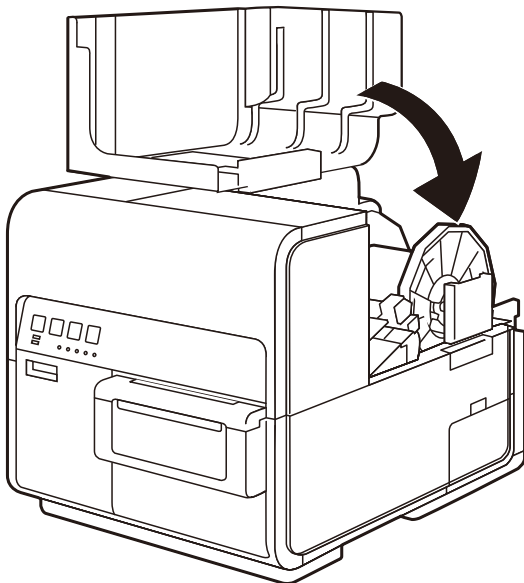
7

Set paper again.

→ [1-4-2. Setting Paper in the Printer \(P.19\)](#)

8

Close the roll cover.



9

Cleaning is performed, and then printing restarts.

Note

- To cancel the print job, click [Cancel Print] in the Status Monitor.

→ [2-2 Canceling Print Jobs \(P.38\)](#)

6-3 Printer Not Operating Correctly

Check the following points if the printer is not operating correctly.

■ Power off

Check Point	Solution
Power key is at the off position.	Press power key.
Printer power cord unplugged.	Make sure that the power cord is plugged in completely.
Power supply not providing power.	Connect another device to the power supply to confirm that the outlet is providing power. If you cannot restore the printer to normal operation, call the dealer or contact the nearest Technical support service center.

■ Printer Does Not Start or Printer Stops During Print Jobs

Check Point	Solution
Upper unit or Ink tank door or Maintenance cartridge door is open.	Close the Upper unit or Ink tank door or Maintenance cartridge door and make sure that it is closed tightly.
Printer is not connected to the computer.	Check a Cable and make sure that it is connected to the printer and the computer.
Paper is not loaded correctly.	Load paper correctly. → 1-4-2. Setting Paper in the Printer (P.19)
The ink tanks are not installed correctly.	Check the ink tanks and make sure that the are installed correctly. → 5-5 Replacing Ink Tanks (P.172)
The XXXXXXXXX printer driver is not selected on the computer.	Make sure that the XXXXXXXXX Printer is selected when you start the print job.
Print data contains an image with a large capacity.	If you see the STATUS lamp flashing, this means that data is processing. Wait for the processing to finish.
The printer has been printing for a long period.	If the printer prints for a long period the printhead may overheat. To protect the printhead the Status Monitor will display a printhead overheated messages and stop the print job. Just wait for the printhead to cool down.

Check Point	Solution
The print destination port setting is wrong.	Open the printer driver Properties and make sure that the port setting is correct. If the port setting is not correct, shut down Windows, switch off the computer, then reconnect to the selected port. Follow the procedure below to check the port setting. Open the printer driver Properties window then click the Ports tab. If you are using a USB connection, make sure that USB nnn (nnn represents the numbers) is selected for the port setting.
Check whether a test pattern is printed.	Try printing a Printhead Position Adjustment pattern or output setting values by selecting the corresponding button on the [Utility] sheet of the printer driver. If the test pattern is printed, check the application software settings, operation method, and print data content. If the test pattern is not printed, contact your local dealer.
The problem is occurring on the computer.	Shut down the computer and switch it on again then try to print. Be sure to cancel the print job if it remains after the computer is restarted.
Check whether an option other than "None" is selected for the system standby setting or sleep mode setting of Windows running on the computer.	When printing data, select "None" for the system standby setting or the setting of the time before entering the sleep mode of Windows running on the computer. Note that data sent from the computer is discarded when the computer is recovered from the standby mode. To configure the system standby setting or sleep mode setting, click the [Start] button of Windows, select [Control Panel] from the [Start] menu, and then select [Power Options].
Check if the ink tank has ink left but still displays [Run Out of Ink].	Detach the Ink Tank and attach it again. If the problem persists, contact a dealer or our service shop.

6. Troubleshooting

■ Paper is Not Feeding Correctly

Check Point	Solution
Check whether the paper used conforms to the setting on the [Special Settings] sheet.	Click the [Special Settings] button on the [Utility] sheet of the printer driver, and then check the setting of the [Fanfold paper mode] check box. - Do not check this check box when using roll paper. - Check this check box only when using fanfold paper.
Check whether non-exclusive paper is used.	Use paper exclusively for the color label printer. Using non-exclusive paper can result in a paper jam or failure.
The edge of the paper is folded or curled.	If the leading edge of the paper is folded or curled it will not feed correctly. This could also cause a paper jam.
Check whether the label is likely to come off due to deteriorated adhesive.	Never use paper having labels which are likely to come off. Machine troubles can result.
Check whether the paper guide is set in accordance with the paper width.	Set the transport guide in accordance with the paper width, and then set the paper guide such that it clicks. → 1-4-2. Setting Paper in the Printer (P.19)
Is the transport area smeared?	A transport area smeared with paper dust or ink would be more prone to a paper jam or any other trouble. Clean the transport area if it is found dirty. → 5-9 Cleaning the Printer (P.185)

■ 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 printer driver Utility sheet then click Start Status Monitor. Set the details after the Status Monitor starts.
Check whether the printer and computer can communicate interactively.	If the printer and computer cannot communicate interactively, the Status Monitor does not start even if printing starts. Open [Properties] of the printer driver, click the [Port] tab, and then check that the [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.

6-4 Print Results Are Unsatisfactory

If the print results are not what you expect, confirm the following points.

■ Random, Bizarre Characters are Printed

Check Point	Solution
A Interface cable is disconnected.	Check a Interface cable and make sure that it is connected to the printer and the computer.
The XXXXXXXXX printer driver is not selected on the computer.	Make sure that the XXXXXXXXX Printer is selected when you start the print job.
Check whether a test pattern is printed.	Try printing a Printhead Position Adjustment pattern or output setting values by selecting the corresponding button on the [Utility] sheet of the printer driver. If the test pattern is printed, check the application software settings, operation method, and print data content. If the test pattern is not printed, contact your local dealer.

■ Slow to Print

Check Point	Solution
Check whether the number of copies is specified on the application side.	If the number of copies is specified on the application side, new print data is sent each time printing of a copy is completed, requiring a long time to finish printing the specified number of copies. In such a case, specify the number of copies on the printer driver side.
Print speed is set by low speed.	Open the Printing Preferences sheet of the Options and perform Print Speed. → 3-7-2. Print Speed (P.93)

■ Print Quality is Poor

Check Point	Solution
White spots due to missing colors	Open the Utility sheet of the printer driver and perform Cleaning. → 5-1-1. Cleaning (P.140) If the problem persists even after performing [Cleaning] contact a dealer from which printer was purchased or our sales shop.
Printout is faint.	See the action corresponding to the above-described check points “Streaks appear on the printout” and “White spots due to missing colors.”
Misalignment of colors appears.	Open the Utility sheet of the printer driver and perform Printhead Position Adjustment → 5-2 Adjusting the Printhead Position (P.142) Click the [Special Settings] button on the [Utility] sheet of the printer driver, and then check the setting of the [Fanfold paper mode] checkbox. - Do not check this checkbox when using roll paper. - When using fanfold paper, be sure to check this checkbox. → 3-8-5. Special Settings (P.115)
Half-toning is rough.	Select [Error diffusion] for [Half-tone Process] in [Detailed Settings] on the [Color] sheet of Printing Preferences of the printer driver. But the printing speed becomes slow. → 3-4-5. Halftone Process (P.79)
Color unevennesses appear around characters or in solid imaging areas.	Set Halftoning of Color Settings sheet in Error Diffusion in Options of Printing Preferences of the printer driver. But the print speed becomes slow. → 3-4-5. Halftone Process (P.79)
The overall print quality is poor.	The use of dedicated paper for Color Label Printer is recommended. Using paper that is not dedicated may possibly lower the quality of printing, and further lead to jamming and malfunctions.

6. Troubleshooting

Check Point	Solution
The paper ripples and leaves scrape marks.	Check the [Prevent Paper Rubbing Mode] checkbox in [Special Settings] Dialog of Printer Driver [Utility] Sheet and click level 1 to 3. → 3-8-5. Special Settings (P.115) If the problem persists, contact a dealer or our sales shop.

■ Printed Colors Appear Strange

Check Point	Solution
Wrong colors are printed.	Open the printer driver and adjust Color Balance,Density, Level from the Color Settings sheet. → 3-3 Using the Color Dialog Box (P.70) → 3-4 Using the Detailed Settings Dialog Box (P.74) Open the Control Panel of your computer, and then check whether the settings in the [Display Properties] and [Screen Properties] are correct. Especially when the setting of the display type or gamma coefficients is wrong, correct colors are not displayed on the display.
The overall print quality is poor.	It is recommended that paper exclusively for the color label printer be used. Using non-exclusive paper can degrade the print quality. It can also results in a paper jam or failure. → 3-2-6. Paper Type (P.65)
Image is too bright or too dark.	Configure the setting in [Color Settings] on the [Color Adjustment] sheet and the setting in [Brightness] or [Level correction] on the [Detailed Settings] sheet of Printing Preferences of the printer driver. → 3-3 Using the Color Dialog Box (P.70) → 3-4 Using the Detailed Settings Dialog Box (P.74)
The image contrast is too strong or weak.	Adjust the contrast in [Detailed Settings] on the [Color Settings] sheet of Printing Preferences of the printer driver. → 3-4-3. Density (P.77)
Image is faint.	Try setting the sharpness in [Sharpness] in [Detailed Settings] on the [Color Settings] sheet of Printing Preferences of the printer driver. → 3-4-7. Sharpness (P.81)

■ Printed Colors Appear Strange

Check Point	Solution
The printer driver is set to print in single color.	Open the Color sheet in the printer driver and check the Single Color Setting. → 3-3-3. Single Color Settings (P.73)
The software application is set up for single color printing.	Some software applications may allow you to print in one color. Check the print settings in the software application on the computer.

■ Others

About the remaining ink level detection function

The ink tanks of this printer have a remaining ink level detection function to prevent running out of ink during printing and printer failures.

When an ink tank which has become empty is reinstalled, the remaining ink level detection function can be disabled.

Important

- If an ink tank which has become empty is refilled with ink and installed in the printer, the remaining ink level detection function does not work properly and the printer stops.
- When printing is performed with the remaining ink level detection function disabled, damage to the printer or a trouble can result.
- Swiftcolor/Kanematsu is not responsible for any failure resulting from the use of an ink tank refilled with ink.
- If the remaining ink level detection function is disabled for an ink tank, the remaining ink level detection function for the ink tank cannot be enabled again. To enable the remaining ink level detection function, replace the ink tank with a new ink tank exclusively for Swiftcolor SCL-4000D or Swiftcolor SCL-4000P.
- If the same ink tank is removed and inserted many times, the joint between the ink tank and printer can be damaged and consequently ink can leak from the ink tank, damaging the printer.

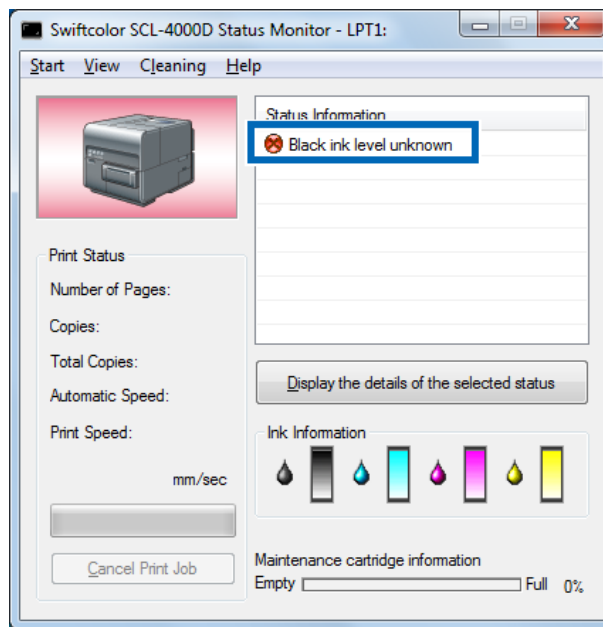
6. Troubleshooting

The procedure for disabling the remaining ink level detection function is described below.

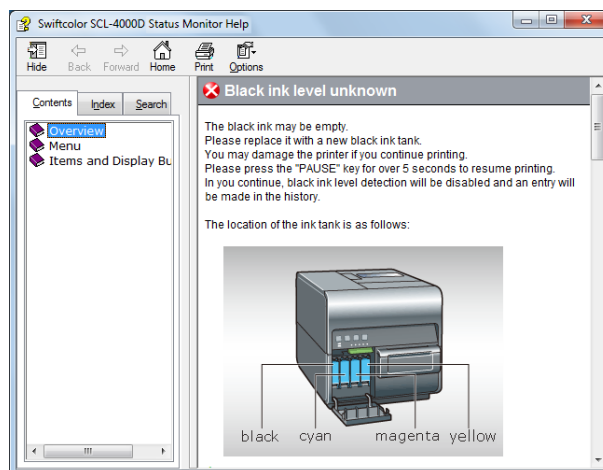
1

Install the ink tank refilled with ink in the printer.

A warning error message is displayed on the [Status Monitor].

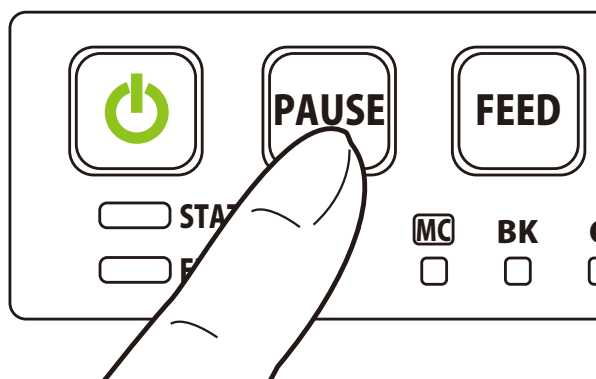


Clicking “Display the details of the selected status” displays the Status Monitor Help.



2

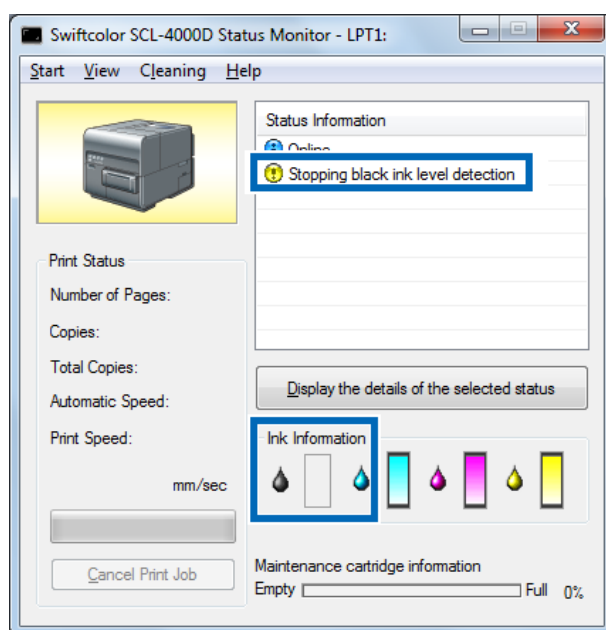
Press down the [PAUSE] key on the operation panel for at least 5 seconds.



3

The remaining ink sensor function is disabled and the Status Monitor displays [Stopping XXXX ink level detection].

The remaining ink indication in the ink information is grayed out.



Note

- The message on the [Status Monitor] disappears and the corresponding color lamp on the printer goes out when a new ink tank for Swiftcolor SCL-4000D or Swiftcolor SCL-4000P is installed in the printer.

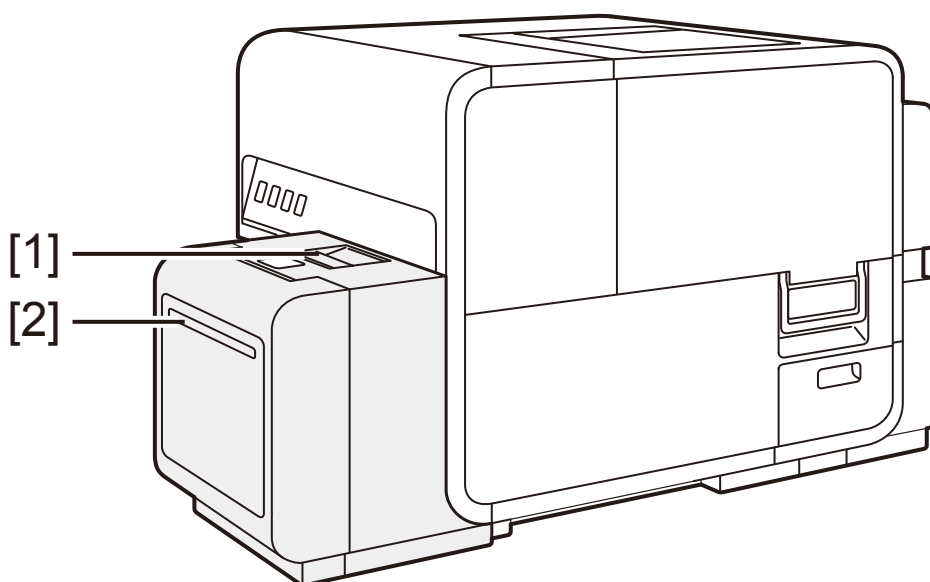
7. Auto Cutter

7-1 Part Names and Functions

If an optional auto-cutter is purchased, it will cut paper at high speed.

This section introduces the names of the components of the auto-cutter and how to use it.

7-1-1. Front View



[1] **Auto cutter door**

If a paper jam occurs, open and remove the jammed paper.

[2] **Paper delivery slot**

Cut paper is ejected.

Important

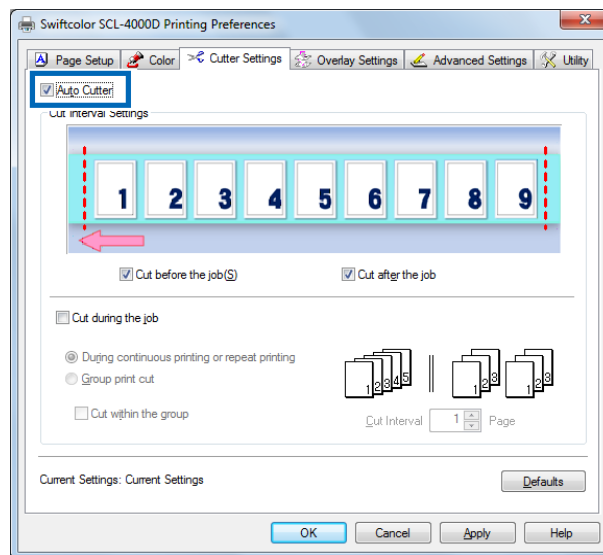
- Install the printer such that the auto cutter does not project from the installation space such as a desk.
- If you cut the adhesive portion of the label sheet, the cutter edge may become dull due to the glue.

7-2 Settings for Using Auto Cutter

Set whether to use an auto cutter or not in the [Print Setup] dialog box in the printer driver.

1

Check [Auto Cutter] check box in the [Cutter Settings] sheet.



2

Set [Cut Interval Settings] for the auto cutter.

Set the timing at which to cut paper, and the number of pages at intervals of which paper is cut.

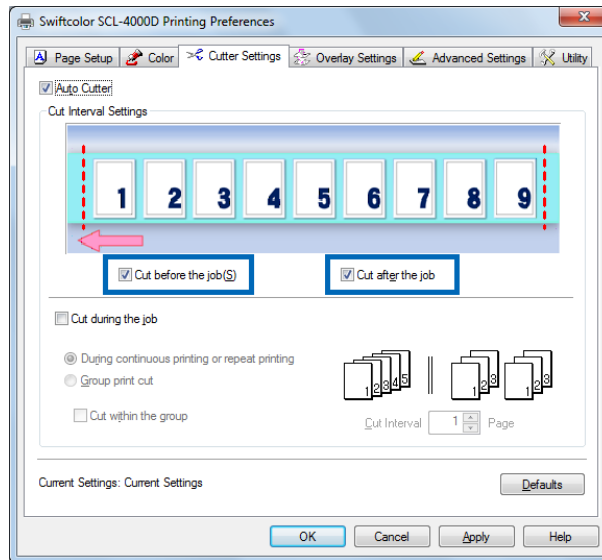
Set how to cut paper in the beginning and end of a job and in the middle of a job.

7. Auto Cutter

7-2-1. Setting How to Cut Paper in the Before and After of a Job

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

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



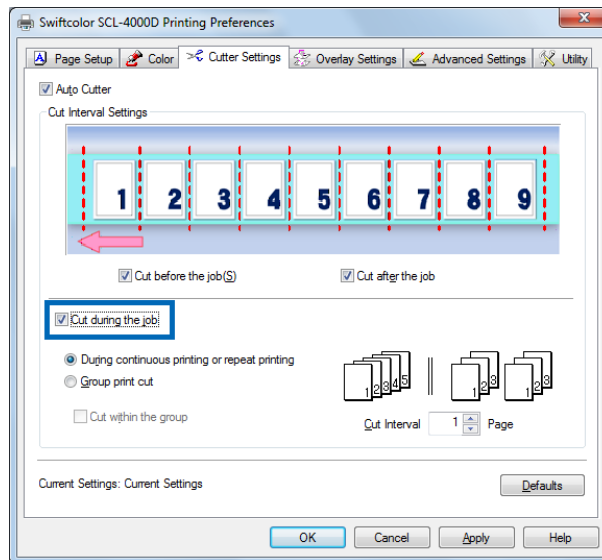
Note

- Visual settings of cutting position and the cutting interval are displayed in a preview.



7-2-2. Setting How to Cut During the Job

To cut in the middle of the print job, check [Cut during the Job] check box.



[During continuous printing or repeat printing]

Select this option to print continuously or print repetitively per the number of copies.

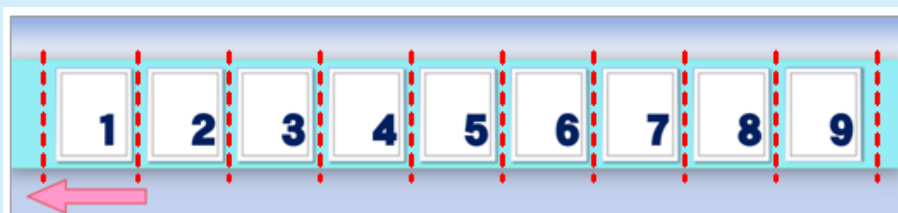
Cuts paper at intervals of the number of pages set in [Cut Interval] per the number of copies.

7. Auto Cutter

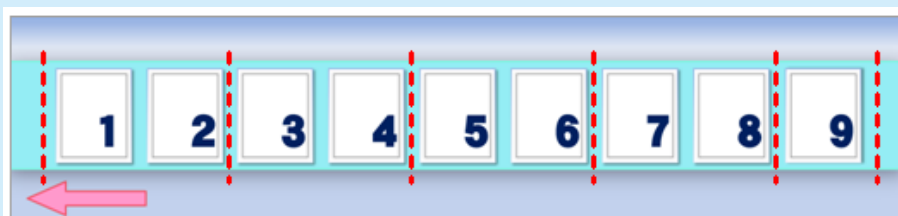
Note

- To cut paper per the number of copies, set the number of pages per the number of copies in [Cut Interval].
- If the printing method setting in [Cut during the job] and that of the application used for printing differ, paper would not be cut correctly. Make sure that the two versions of the printing method setting match to ensure correct cutting.
- The settings of cutting position and cut Interval are displayed in a preview.

Cut Interval: 1 page



Cut Interval: 2 page



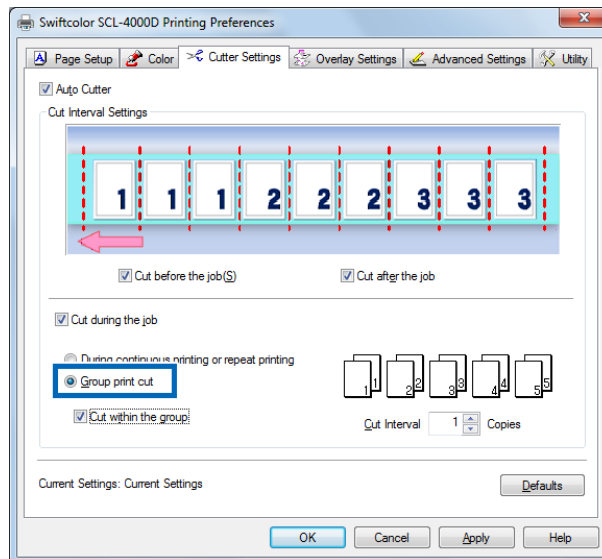
Cut Interval: 3 page



[Group print cut]

Select this option to print multiple copies of the same page in a batch.

Cuts paper by group and, if the [Cut within the group] check box is checked, also within each group at intervals of the number of pages set in [Cut Interval].

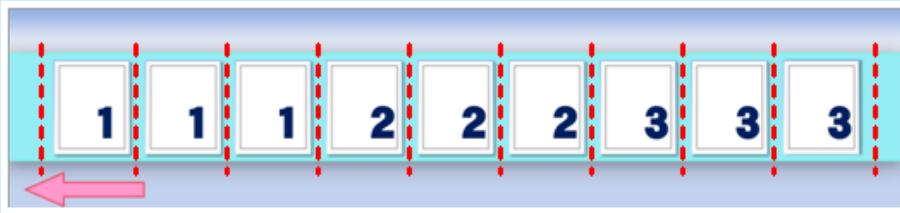


7. Auto Cutter

Note

- Cutting within a group won't work if the number of pages set in [Cut Interval] is greater than the number of pages in the group.
- If the printing method setting in [Cut during the job] and that of the application used for printing differ, paper would not be cut correctly. Make sure that the two versions of the printing method setting match to ensure correct cutting.
- Visual settings of cutting position and the cutting interval are displayed in a preview.

Cut Interval: 1 page



Cut Interval: 2 page



3

Click [OK].

Sets a cutting interval.

Note

- To reset the [Cut Interval] to its default, click [Defaults].

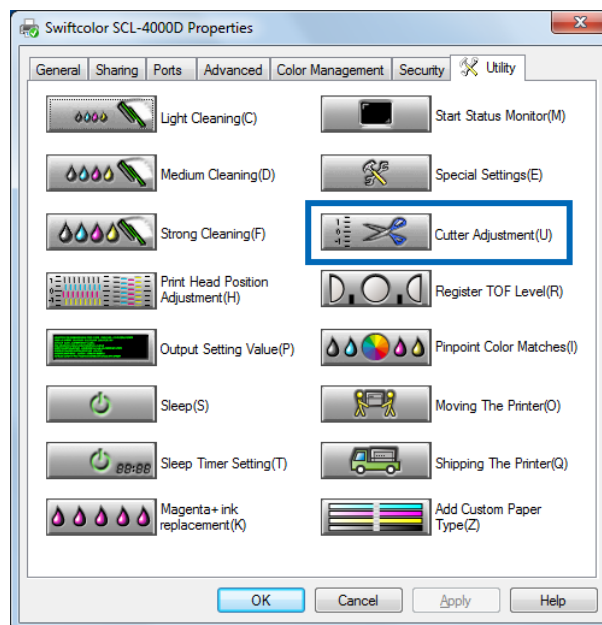
7-3 Adjusting Cut Position

The cutting position at which to cut printed labels apart with an optional auto cutter can be adjusted.

Note

- The printer and an optional auto cutter must be turned on and printer connected to the computer to set items in the [Utility] sheet.

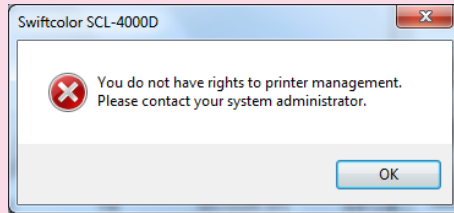
- 1 Open the [Utility] sheet in the [Swiftcolor SCL-4000D Properties] dialog box and click [Cutter Adjustment].



7. Auto Cutter

Important

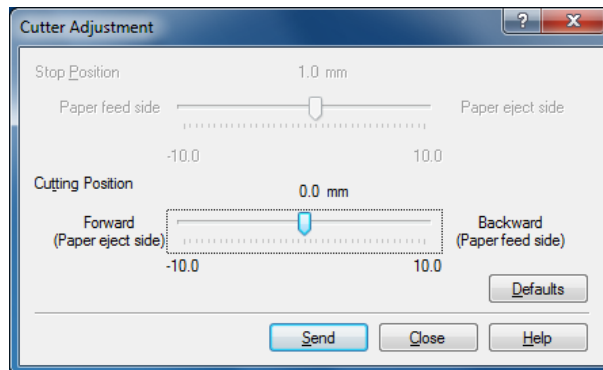
- If a warning is issued when you press the [Cutter Adjustment], refer to the following:



→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)

2

The [Cutter Adjustment] dialog box appears.



3

Drag the [Cutting Position] slider to adjust the cutting position on the paper.

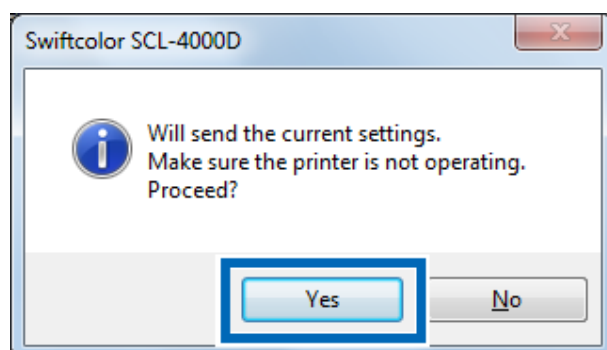
Note

- The cutting position can be set in increments of 0.5 mm between -10.0 and +10.0 mm.
- To reset the cut position settings to the defaults, click [Defaults].

4

Click [Send]. The confirmation window appears.

Click [Yes].



7. Auto Cutter

5

The setting is transmitted to the printer.

6

Perform test printing and check that the paper has been cut in the middle between two sheets of paper, and then start an actual print job.

Note

- Whenever paper has been replaced, perform [Cutting Position] adjustment.
- The setting of [Stop Position] in [Cutter Adjustment] in the [Utility] sheet works only on the paper position at which to cut printed paper with the manual cutter and is not functional when an optional auto cutter is used.

7-4 When Paper is Jammed

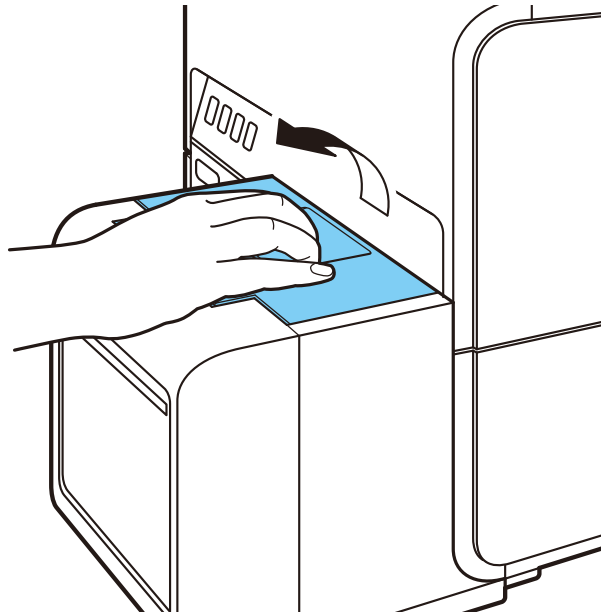
If a paper jam occurs while using an optional auto-cutter, remove the jammed paper in the following manner:

Note

- Use of dedicated color label paper is recommended. If any other type of paper is used, inks might bleed or blur on the paper or result in jams.
- Further, use of curled or creased paper could result in a paper jam.

1

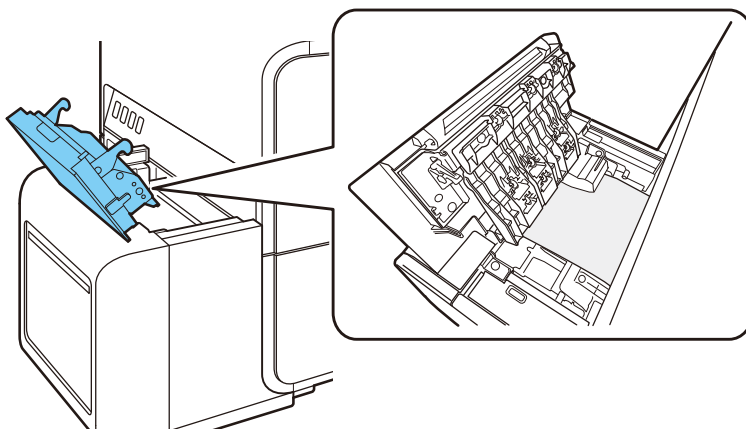
Open the auto cutter door.



7. Auto Cutter

2

Look into the auto cutter to check for paper jams.

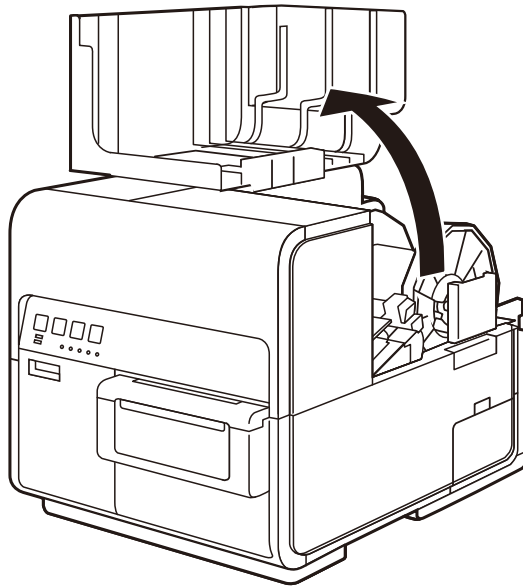


Important

- Check to see if labels or any other foreign substances are stuck inside the auto cutter. Labels or cutting chips stuck inside the auto cutter could disable successful performance. Be sure to remove them.

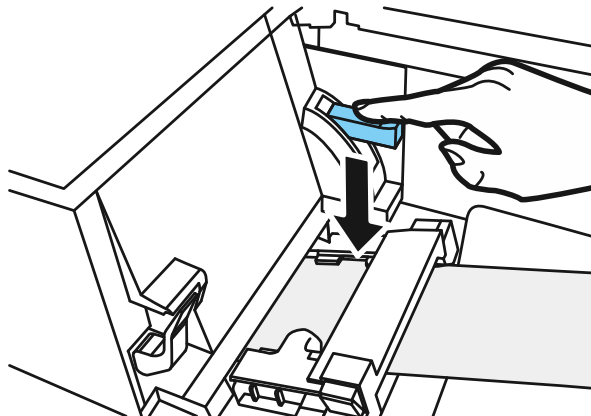
3

Open the roll cover.



4

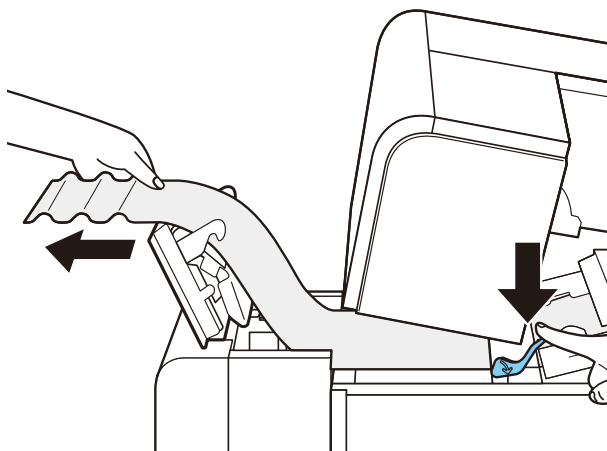
Press down the upper unit open lever (at the back of the feeder) to open the upper unit.



7. Auto Cutter

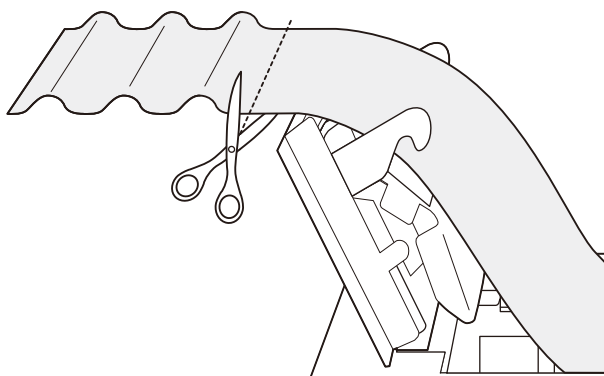
5

While pushing the jam release lever, pull out the paper jammed in the transport section.



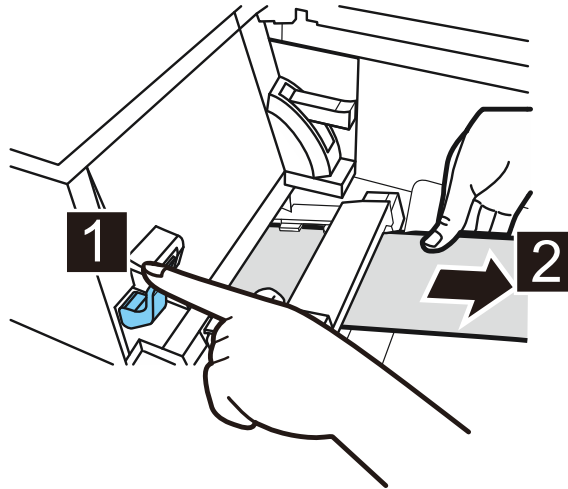
6

Cut out wrinkled portions of the paper.



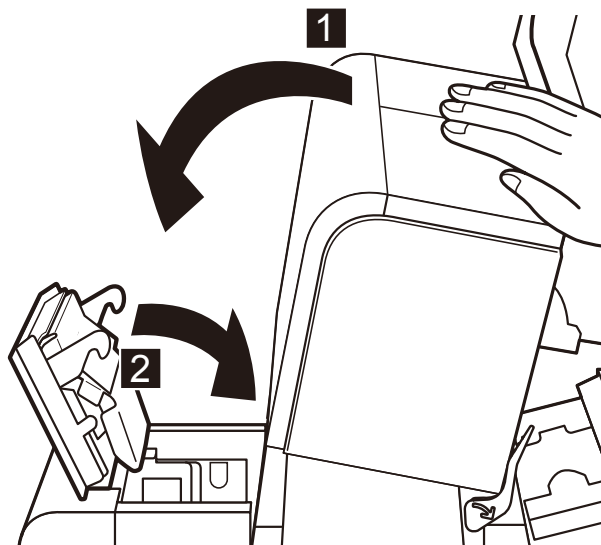
7

While pushing the jam release lever, pull out paper in the direction opposite to the feeding direction.



8

Close the upper unit and auto cutter door.



7. Auto Cutter

9

Set paper again.

→ [1-4-2. Setting Paper in the Printer \(P.19\)](#)

10

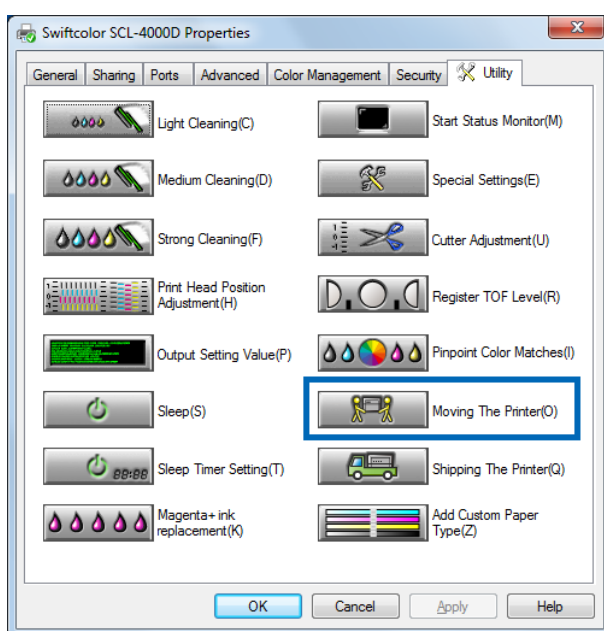
Close the roll cover.

8. Appendix

8-1 Moving the Printer

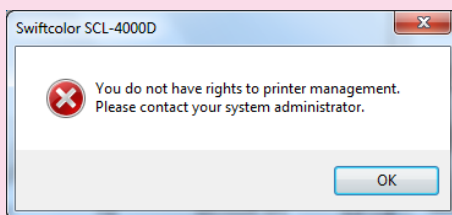
After moving the printer on the same floor or to another floor, install it properly following the procedure described below.

- 1 Right-click on the printer driver icon, select [Printer Properties], and then click the [Utility] tab.
- 2 Click [Moving The Printer].



Important

- If a warning is issued when you press the [Moving the Printer], refer to the following:



→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)

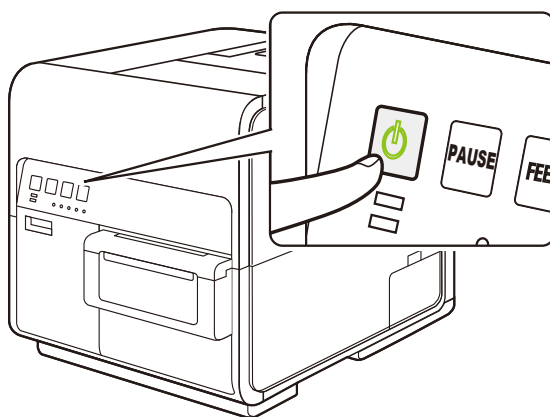
8.Appendices

Note

- Discharge inks from the ink catchers to prevent spills inside the printer during transit.

3

Press and hold the power key at least 1 second to put the printer in the power-off state.



4

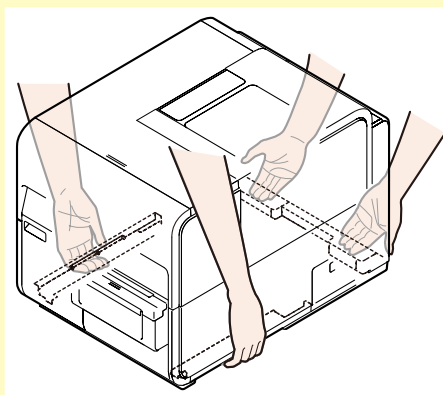
Disconnect the interface cable and power cord.

5

Move the printer.

! Caution

- This product weighs about 24 kg. Two persons are required to lift the printer. Two persons standing at the front and back of the printer respectively must lift the printer by holding it with their hands inserted under the bottom handles (two at the front, one at the left, and one at the right). Attempting to lift the printer in an improper position can result in fall of the printer or 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.

Important

- Do not move the printer with the upper unit, ink tank door, or maintenance cartridge door open. The printer can break down or it can be damaged.
- To move the printer on the same floor or within the same build in, the ink tanks need not be removed. If the ink tanks are removed before moving the printer, ink can leak from the needle sections in the ink tank slots which may result clothes and surrounding work area stained.

6

After moving the printer to the destination, connect the power cord and then connect the interface cable.

7

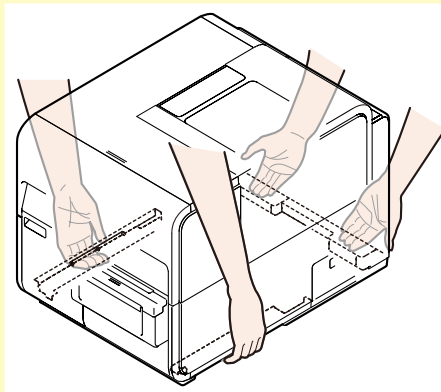
Turn on the power key.

8-2 Shipping the Printer (SecondaryTransportation)

When transporting printer over a long distance, follow the procedure described in service manual.

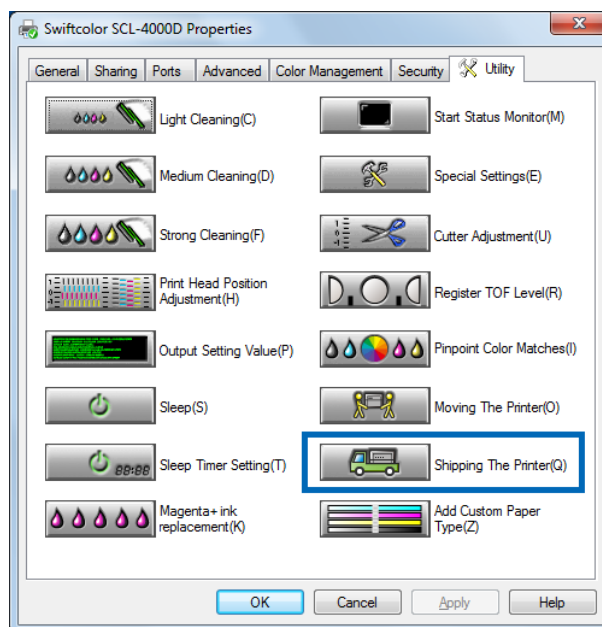
! Caution

- Call the Tech support for advice before you ship the printer a long distance or move the printer by car or truck where it may be subjected to shock and vibration. Moving the printer without the proper preparation could subject it to shocks and vibrations which could damage the printer and cause a fire.
- This product weighs about 24 kg. Two persons are required to lift the printer. Two persons standing at the front and back of the printer respectively must lift the printer by holding it with their hands inserted under the bottom handles (two at the front, one at the left, and one at the right). Attempting to lift the printer in an improper position can result in fall of the printer or 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.

- 1 Check that the warning message “Maintenance cartridge near full” is not displayed on the [Status Monitor].
When the warning message is displayed, replace the maintenance cartridge with a new one, and then start the work.
- 2 Right-click the printer driver icon, select [Printer Properties], and then click the [Utility] tab.
- 3 Click [Shipping The Printer].
The printer starts preparation for transportation.

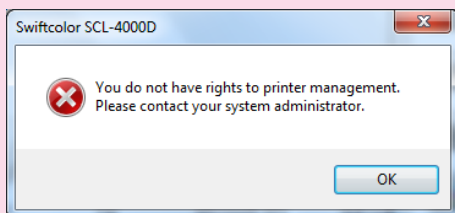

Note

- Drain ink from the ink paths in the printer.

8.Appendices

Important

- If a warning is issued when you press the [Shipping the Printer], refer to the following:



→ <To perform the above-mentioned operation using an authority other than the Administrator privilege.> (P.99)

4

Pack the printer properly following the instructions of the dealer or service technician before transporting it.

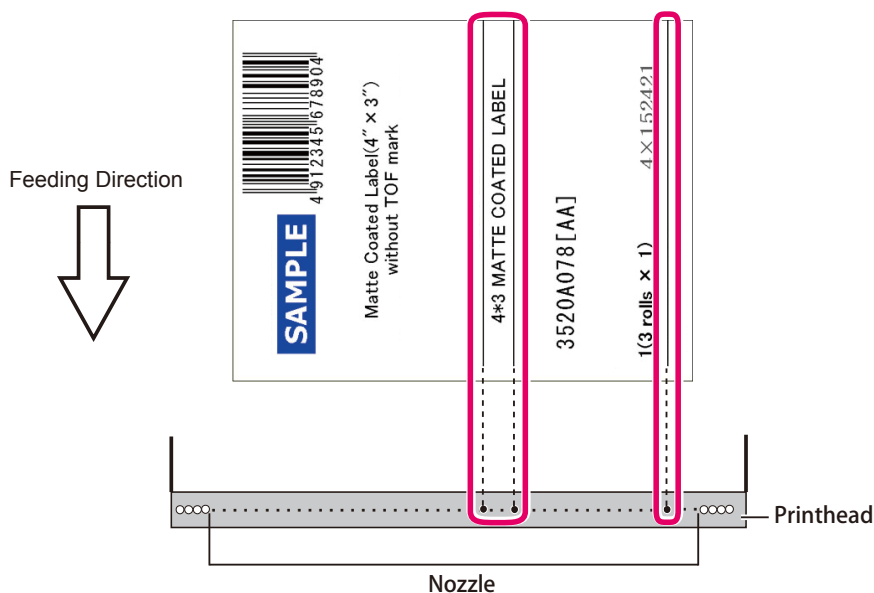
Important

- Do not move the printer with the upper unit, ink tank door, or maintenance cartridge door open. The printer can break down or it can be damaged.
- Before transporting the printer, be sure to drain the printer of ink. If ink tanks are removed before draining the printer of ink, ink leaks from the needle sections in the ink tank slots and stain your clothes and surrounding work area.

8-3 How to Use Printheads Efficiently

This section explains how to keep the Printheads longer-lived.

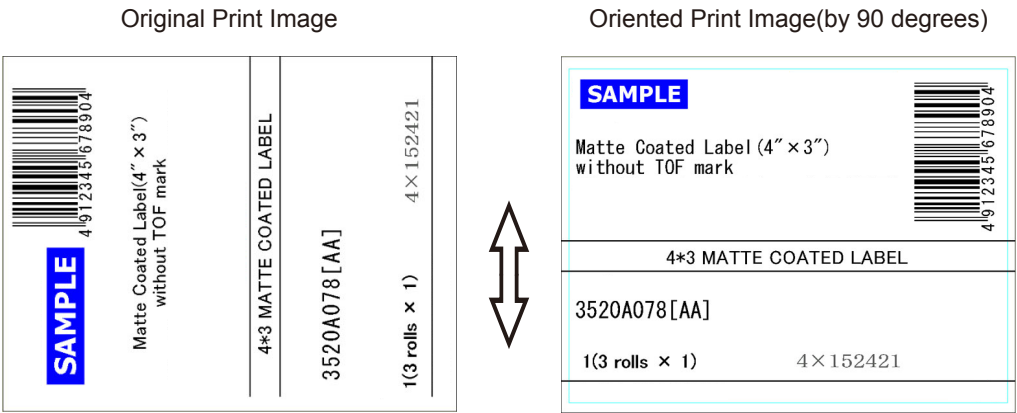
If image with ruled lines parallel to the direction of transport is repeatedly printed (printing copies of the same image), wearing of the nozzle used for printing ruled lines will become quicker. If the exhaustion of a particular nozzle is accelerated, it would accelerate the exhaustion of the associated Printhead in turn.



In a case like this, the orientation of the print image may be changed to make the Printheads longer-lived.

8.Appendices

Changing The Orientation of the Image Print.



The original print image accelerates the exhaustion of the Printheads, because it prints ruled lines in the same direction as the direction in which paper is transported. If an image is rotated as a whole, such as the modified version of the image, the overuse of particular nozzles can be avoided. Reducing the number of ruled lines to be printed in the same direction as the direction in which paper is transported to the extent possible will help keep the Printheads longer-lived.

8-4 Software Uninstallation

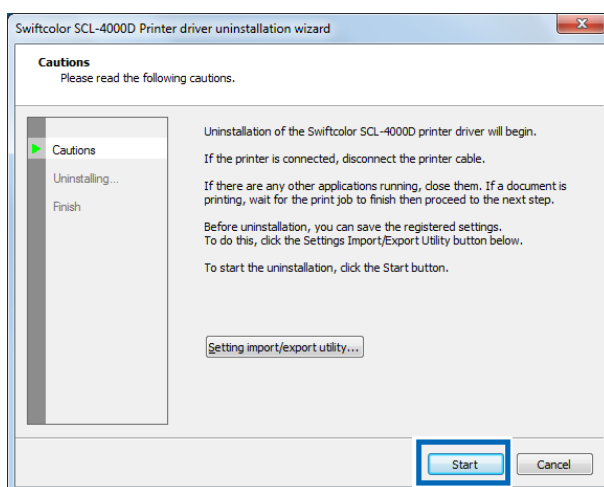
This section explains how to uninstall the printer driver that has been installed on the computer.

Before uninstalling the printer driver, close all applications running, check that all print jobs have ended and then disconnect the interface cable.

1

Select [Swiftcolor SCL-4000D]-[Swiftcolor SCL-4000D Printer Driver Uninstall] from [All Programs] or [Programs] on the [Start] menu.

The uninstaller starts.



Note

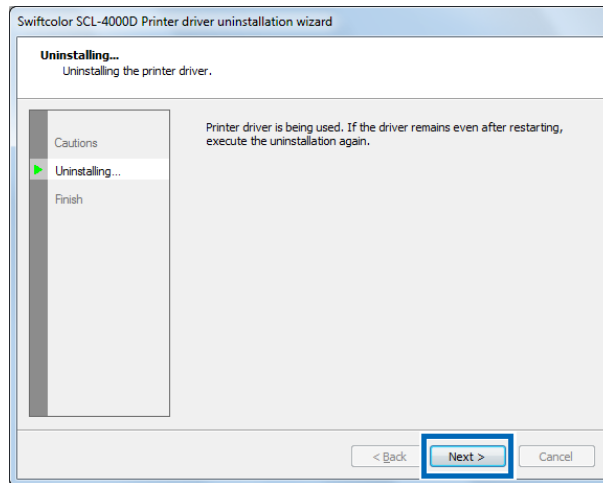
- The [User Account Control] dialog box may appear at this time. If it appears, click [Yes] or [OK].
- To save the printer driver setup items and the like, click [Settings Import/Export Utility] and export (save) them.

→ 8-5-1. Export (P.255)

8.Appendices

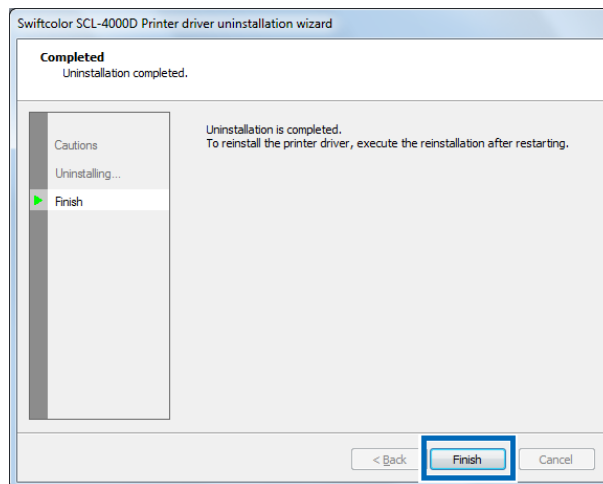
2

Click [Next].



3

Click [Finish].



The [Changing System Settings] dialog box appears.

4

Click [Yes] to restart Windows.

Note

- If [No] is clicked, be sure to restart the computer before installing the printer driver again.

8-5 Import / Export Settings

The [Device-Data Transport Utility] allows you to import the settings that are registered with one printer driver into another printer driver or save (export) the settings to a file. Even if an additional printer is installed or the printer driver is upgraded, for example, there would be no need to register the same settings again; printing can be carried out using preregistered settings.

Note

- The settings that can be imported and exported are as follows:
- Print settings registered in [Favorites] in the [Page Setup] sheet
- Paper size registered in [Paper Size] in the [Page Setup] sheet
- Paper type registered in [Paper Type] in the [Page Setup] sheet.

8-5-1. Export

Saves the printer driver settings to a file.

Note

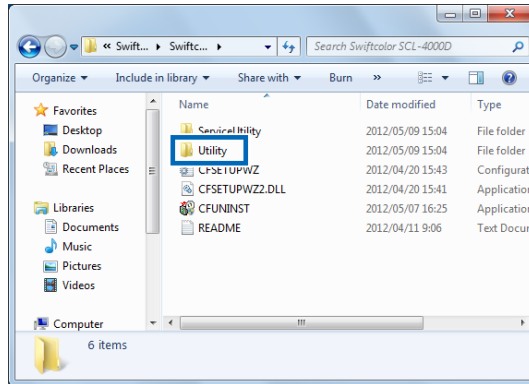
- The settings that can be imported and exported are as follows:
- Print settings registered in [Favorites]in the [Page Setup] sheet
- Paper size registered in [Paper Size]in the [Page Setup] sheet
- Paper type registered in [Paper Type] in the [Page Setup] sheet.

- 1** Double-click the "Program Files" folder of the C: drive.
- 2** Double-click the "Swiftcolor" folder.
- 3** Double-click the "Swiftcolor SCL-4000D" or "Swiftcolor SCL-4000P" folder.

8.Appendices

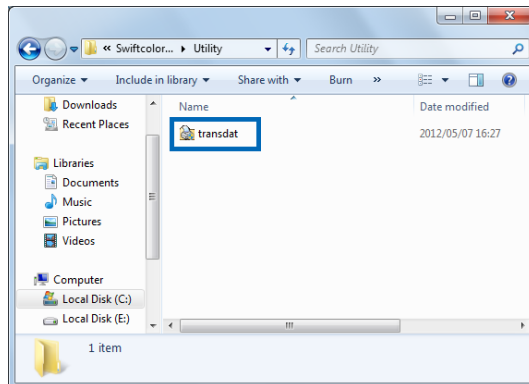
4

Double-click the "Utility" folder.



5

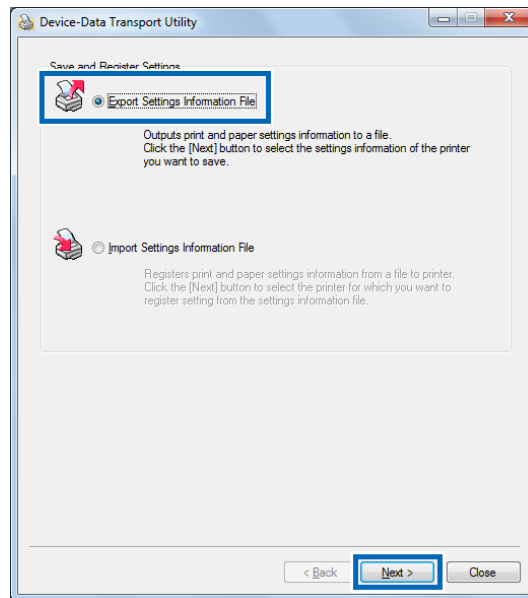
Double-click "transdat.exe."



[Device-Data Transport Utility] starts.

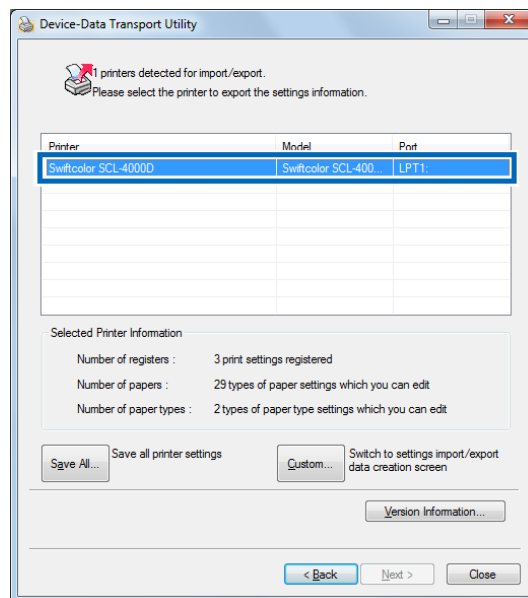
6

Check [Export Settings information File] check box and click [Next].



7

Select the printer (driver) to export from a list.

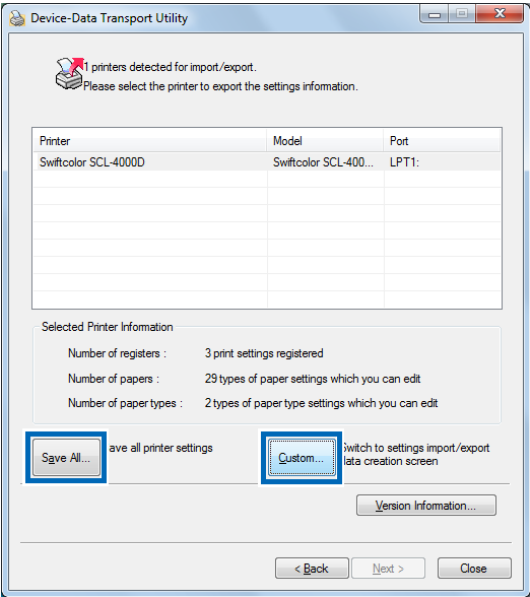


8

Click either [Save All] or [Custom] check box.

To export all settings, click [Save All] to go to Step 14.

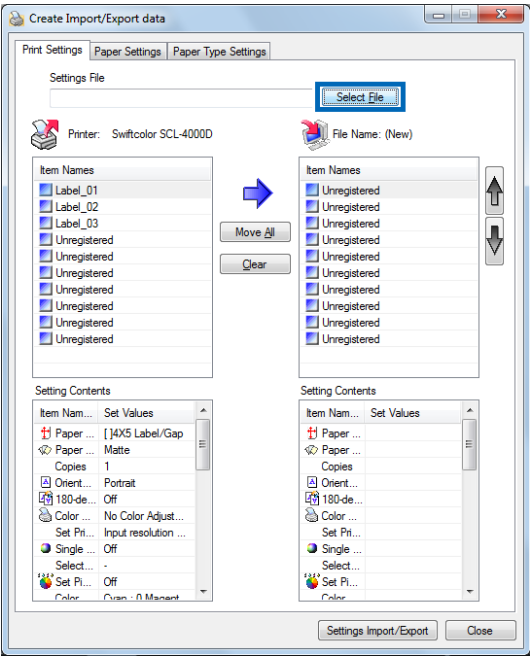
To export settings selectively, click [Custom] to go to Step 9.



9

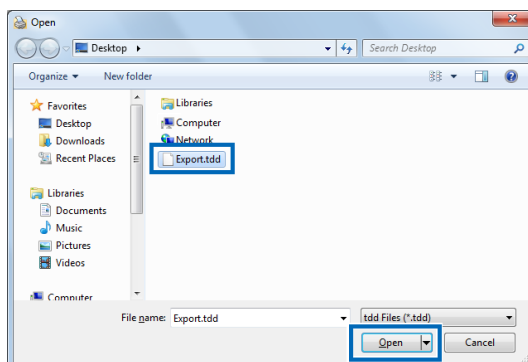
The Create Import/Export data dialog box appears.

To export settings for the first time or create a new file, go to Step 11. To append settings to an existing export file, click [Select File].



10

Select an export file (*.tdd) and click [Open].



Imported information appears in the right-side pane of the dialog box.

Note

- Print setup information is imported to the [Print Settings] sheet in the [Create Import/Export data] dialog box.
- Paper setup information is imported to the [Paper Settings] sheet in the [Create Import/Export data] dialog box.
- Paper setup information is imported to the [Paper Type Settings] sheet in the [Create Import/Export data] dialog box.

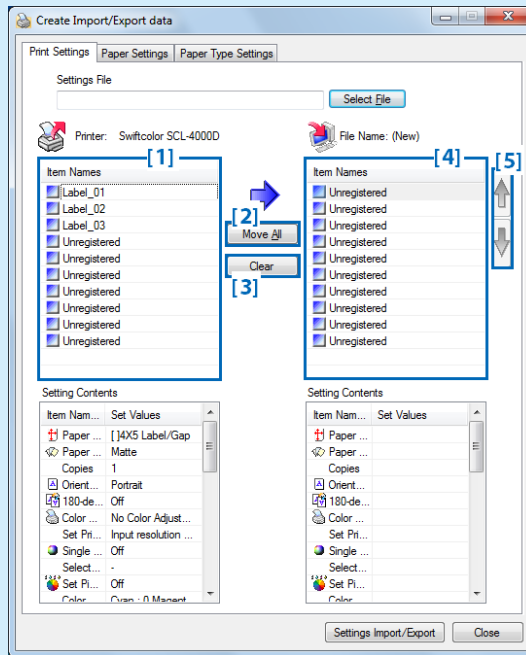
11

Select the printer settings to export and register them.

To export paper settings , go to Step 12. To export paper type settings, go to Step 13.

Note

- About the [Print Settings] sheet



[1] Displays print setup information on the printer driver.

A list of [Favorites] in the [Page Setup] sheet appears in [Item Names]. Detailed information about the selected item name appear in [Setting Contents] on the line below.

[2] [Move All] button

Registers all of [1] in [4].

[3] [Clear] button

[4] restores the default.

[4] Register Print Setup Information to Export

The print settings to export appear in [Item Names]. Detailed information about the selected item name appear in [Setting Contents] on the line below.

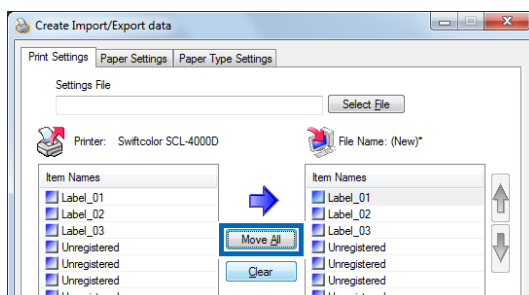
[5] Registration number interchange buttons

Interchange the places in which to register the items in [4], using the up and down button.

- The Item name can be changed while it is selected in [1] by clicking it.

■ To register all item names

Click [Move All].

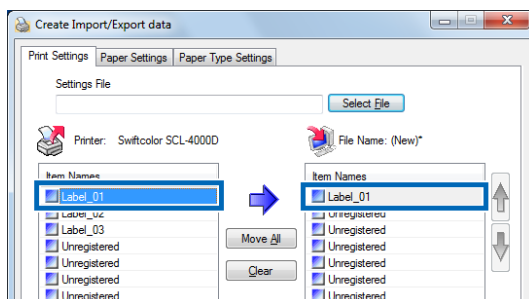


Note

- Items moved in a batch would overwrite all existing item names. To add item names to an existing file, select and register item names.

■ To register selected item names

Up to 10 item names can be registered, one at a time, by dragging and dropping them.



Note

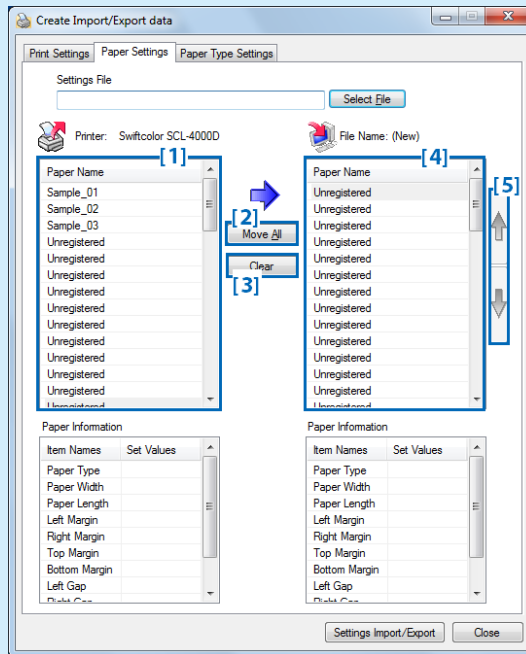
- Drop an item name at an “Unregistered” position and the item name will be registered at the end of the registered item names. If an item name is dropped over a registered item name, it will overwrite the item name at that position.

12

Select and register the paper settings to export.

Note

- About the [Paper Settings] sheet



- [1] **Displays paper size information on the printer driver.**

A list of [Paper Size] in the [Page Setup] sheet appears in [Paper Name]. Detailed information about the selected paper name appear in [Paper Information] on the line below.

- [2] **[Move All] button**

Registers all of [1] in [4].

- [3] **[Clear] button**

[4] restores the default.

- [4] **Register Paper Size Information to Export**

The paper settings to export appear in [Item Names]. Detailed information about the selected paper name appear in [Paper Information] on the line below.

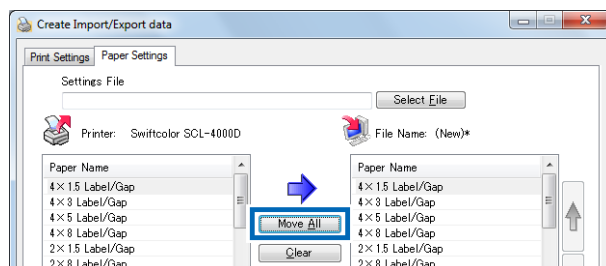
- [5] **Registration number interchange buttons**

Interchange the places in which to register the items in [4], using the up and down button.

- The paper name can be changed while it is selected in [1] by clicking it.

■ To register all paper names

Click [Move All].

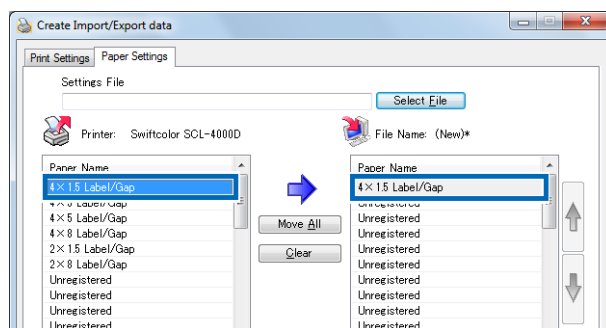


Note

- Paper names moved in a batch would overwrite all existing paper names. To add paper names to an existing file, select and register their paper names.

■ To register paper names selectively

Up to 50 different paper names can be registered, one at a time, by dragging and dropping them.



Note

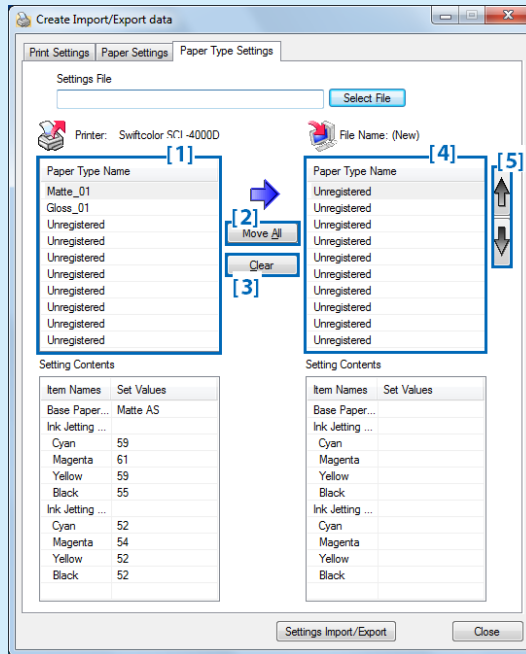
- Drop a paper name at an “Unregistered” position and the paper name will be registered at the end of the registered paper names. If a paper name is dropped over a registered paper name, it will overwrite the paper name at that position.

13

Select the [Paper Type Settings] to export and register them.

Note

- About the [Paper Type Settings] sheet



- [1] **Displays paper type information on the printer driver.**

A list of [Paper Type] in the [Page Setup] sheet appears in [Paper Type Name]. Detailed information about the selected paper name appear in [Setting Contents] on the line below.

- [2] **[Move All] button**

Registers all of [1] in [4].

- [3] **[Clear] button**

[4] restores the default.

- [4] **Register Paper Type Information to Export**

The paper type settings to export appear in [Item Name]. Detailed information about the selected paper type name appear in [Setting Contents] on the line below.

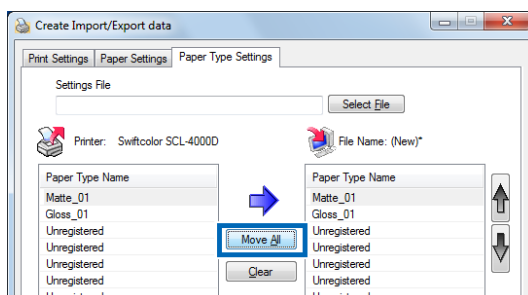
- [5] **Registration number interchange buttons**

Interchange the places in which to register the items in [4], using the up and down button.

- The paper type name can be changed while it is selected in [1] by clicking it.

■ To register all paper type names

Click [Move All].

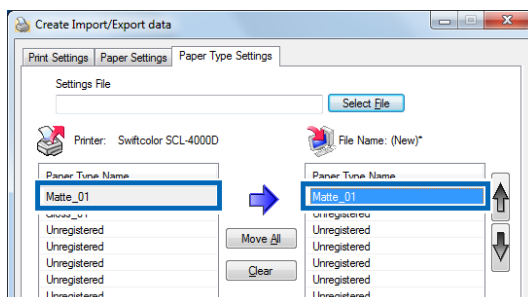


Note

- Items moved in a batch would overwrite all existing item names. To add paper type names to an existing file, select and register paper type names.

■ To register selected paper type names

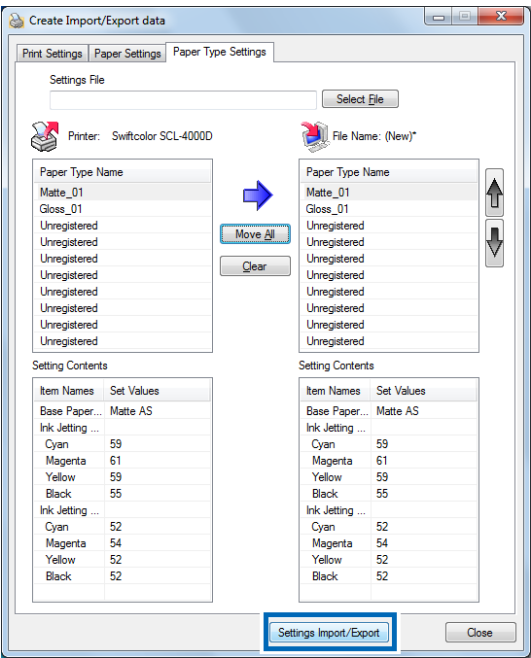
Up to 10 paper type names can be registered, one at a time, by dragging and dropping them.



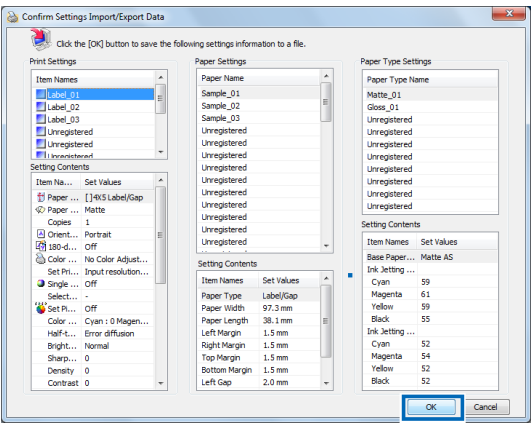
Note

- Drop an item name at an “Unregistered” position and the paper type name will be registered at the end of the registered paper type names. If an paper type name is dropped over a registered paper type name, it will overwrite the paper type name at that position.

14 Click [Settings Import/Export].

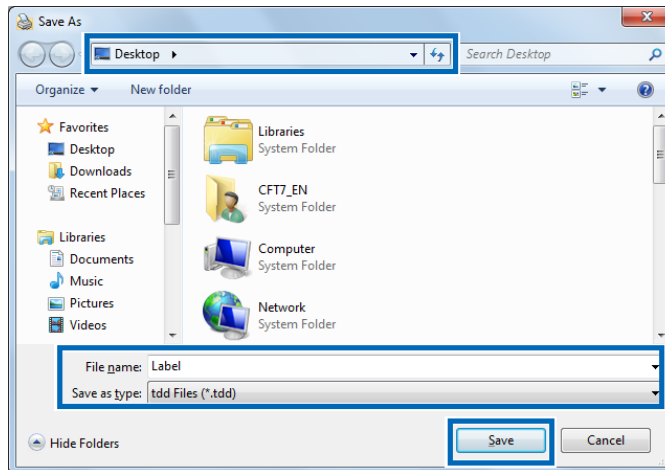


15 To save the settings displayed, click [OK].



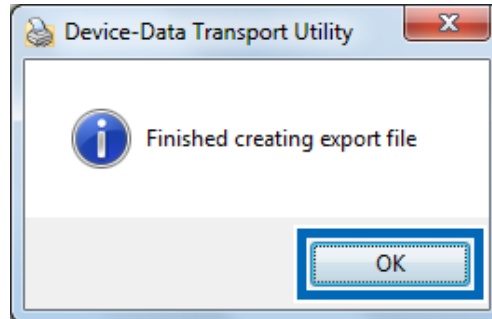
16

Enter the location to save the file and a file name (*.tdd) and then click [Save].



17

Click [OK].

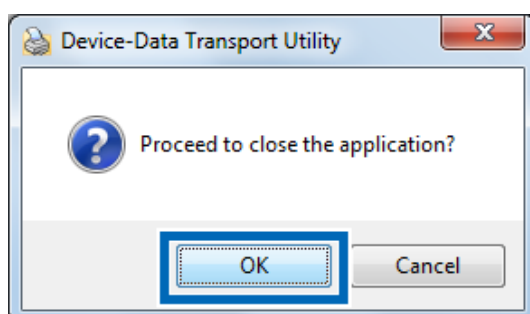


18

Click [Close] in the [Create Import/Export data] window and the [Device-Data Transport Utility] window.

19

Click [OK].



8-5-2. Import

Imports the printer driver settings. There are two ways to import printer driver settings as follows:

■ Importing from an export file

Import the settings of the printer driver for this printer from the saved file (export file).

■ Importing from the printer driver

Import settings directly from the printer driver for any other copy of the same printer in the computer.

Note

- The settings that can be imported and exported are as follows:
- Print settings registered in [Favorites] in the [Page Setup] sheet
- Paper size registered in [Paper Size] in the [Page Setup] sheet
- Paper type registered in [Paper Type] in the [Page Setup] sheet.

8.Appendices

1

Double-click the "Program Files" folder of the C: drive.

2

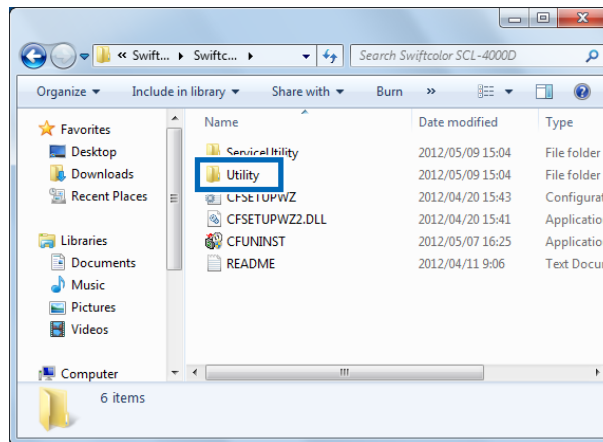
Double-click the "Swiftcolor" folder.

3

Double-click the "Swiftcolor SCL-4000D" or "Swiftcolor SCL-4000P" folder.

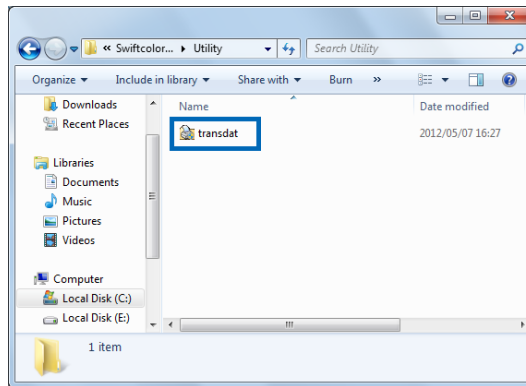
4

Double-click the "Utility" folder.



5

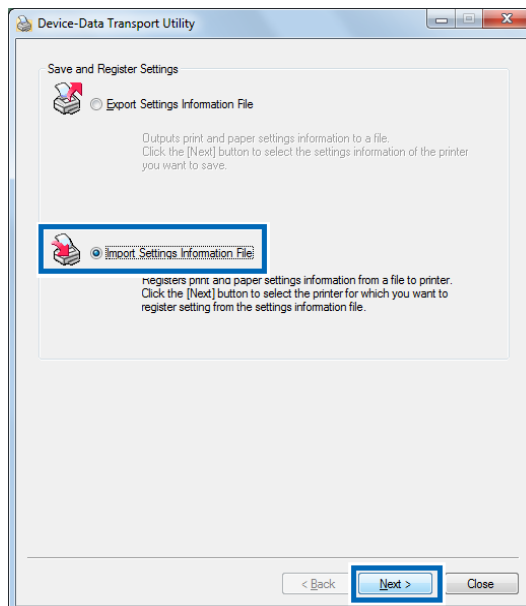
Double-click "transdat.exe."



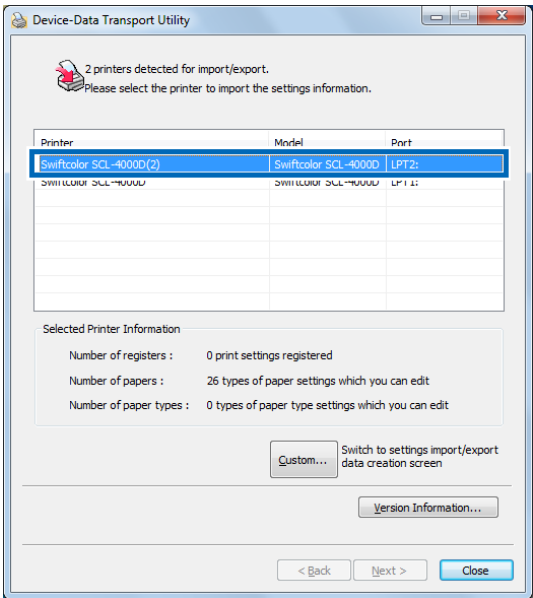
[Settings Import/Export Utility] starts.

6

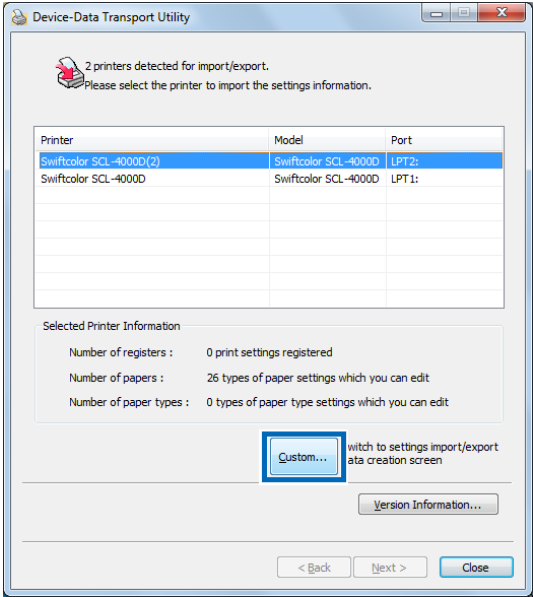
Select [Import Settings Information File] and click [Next].



7 Select the printer (driver) to import from a list.



8 Click [Custom].

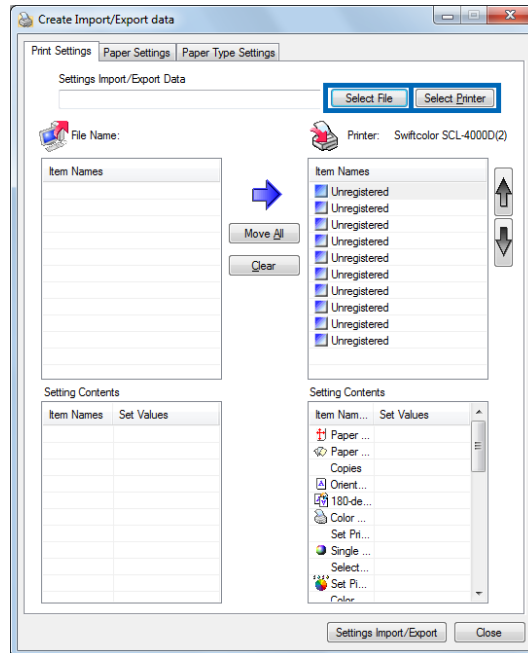


9

Click either [Select File] or [Select Printer].

To import an export file, click [Select File].

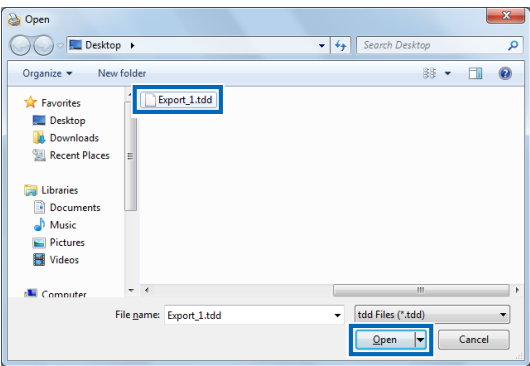
To import settings from a printer driver, click [Select Printer].

**Note**

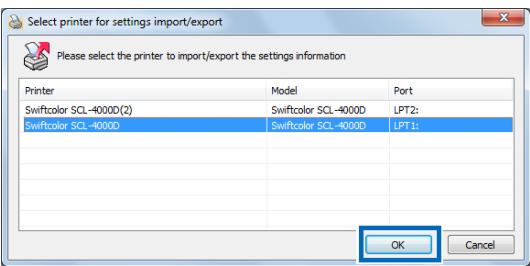
- The settings that are currently saved on the import printer are displayed in the right-side pane of the dialog box.

10 Follow the respective procedural steps below.

- **Importing from an export file**
Select an export file (*.tdd) and click [Open].



- **Importing from the printer driver**
Select the settings migration source printer and click [OK].



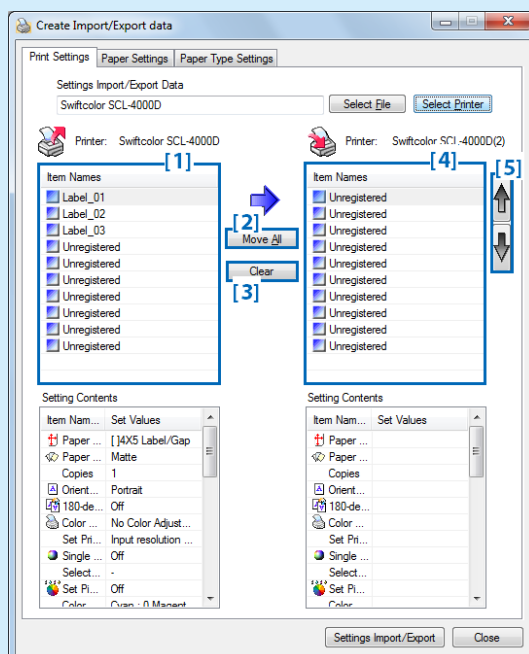
11

Select the print settings to import from the print setup information imported and register them.

To import paper settings, go to Step 12. To import paper type settings, go to Step 13.

Note

- About the [Print Settings] sheet



[1] **Displays Print Setup Information**

Displays an export file or print setup information imported from the printer driver. A list of print settings or a list of [Favorites] in the [Page Setup] sheet appears in [Item Names]. Detailed information about the selected item name appear in [Setting Contents] on the line below.

[2] **[Move All] button**

Registers all of [1] in [4].

[3] **[Clear] button**

[4] restores the default.

[4] **Register Print Setup Information to Import**

The print settings to import appear in [Item Names]. Detailed information about the selected item name appear in [Setting Contents] on the line below.

[5] **Registration number interchange buttons**

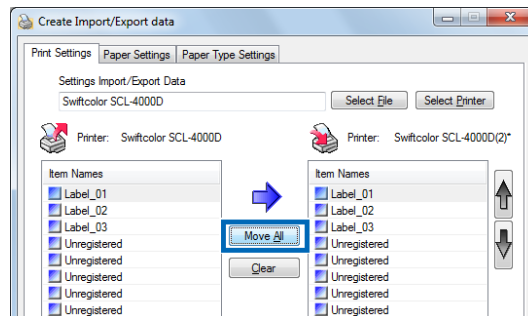
Interchange the places in which to register the items in [4], using the up and down button.

Note

- The item name can be changed while it is selected in [1] by clicking it.
- If the same item name exists in [1] and [4], the item name in [1] is marked in red. When an item name is registered selectively, the one marked in red cannot be registered in [4]. To register the item name, change it.

■ To register all item names

Click [Move All].

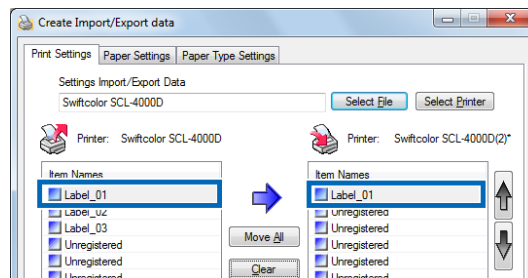


Note

- To retain the print settings saved on the import printer, select the item names under which to register them.

■ To register selected item names

Up to 10 item names can be registered, one at a time, by dragging and dropping them.



Note

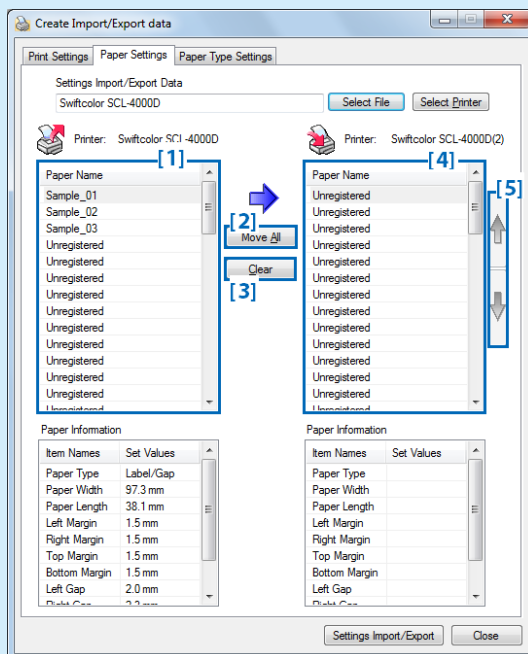
- Drop an item name at an "Unregistered" position and the item name will be registered at the end of the registered item names. If an item name is dropped over a registered item name, it will overwrite the item name at that position.

12

Select the paper size to import from the paper size information imported.

Note

- About the [Paper Settings] sheet

**[1] Displays Paper Size Information**

Displays an export file or paper size information imported from the printer driver. A list of paper names or a list of [Paper Size] in the [Page Setup] sheet appears in [Paper Name]. Detailed information about the selected paper name appears in [Paper Information] on the line below.

[2] [Move All] button

Registers all of [1] in [4].

[3] [Clear] button

[4] restores the default.

[4] Register Paper Size Information to Import

The paper size to import appears in [Item Name]. Detailed information about the selected paper name appears in [Paper Information] on the line below.

[5] Registration number interchange buttons

Interchange the places in which to register the items in [4], using the up and down button.

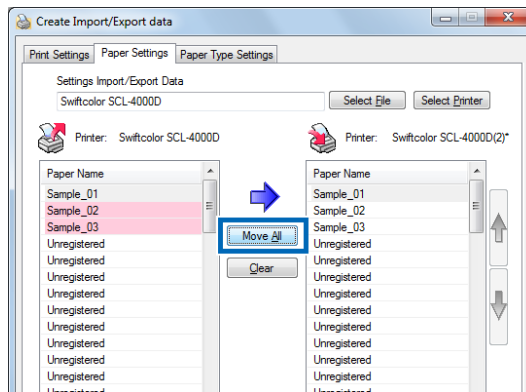
8. Appendices

Note

- The paper name can be changed while it is selected in [1] by clicking it.
- If the same paper name exists in [1] and [4], the paper name in [1] is marked in red. When a paper name is registered selectively, the one marked in red cannot be registered in [4]. To register the paper name, change it.

■ To register all paper names

Click [Move All].

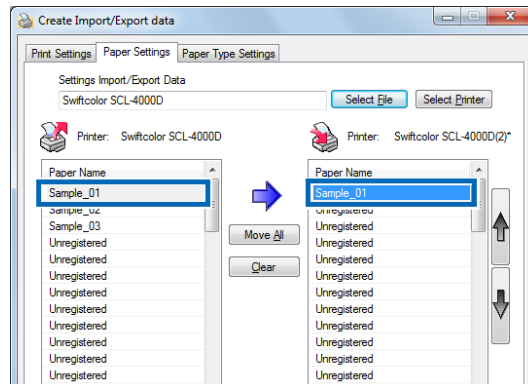


Note

- Paper sizes moved in a batch would overwrite all existing paper names. To retain paper sizes left on the target import printer selectively, register the paper names.

■ To register selected paper names

Up to 10 different paper names can be registered, one at a time, by dragging and dropping them.



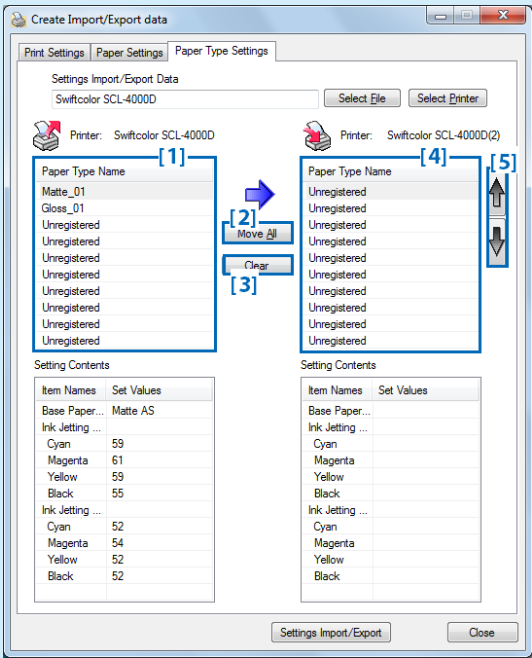
Note

- Drop a paper name at an “Unregistered” position and the paper name will be registered at the end of the registered paper names. If a paper name is dropped over a registered paper name, it will overwrite the paper name at that position.

13 Select the paper type to import from the paper type information imported.

Note

- About the [Paper Settings] sheet



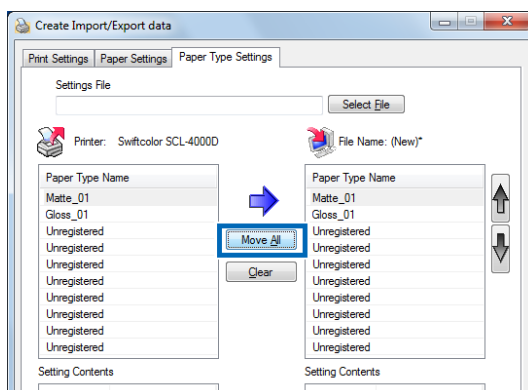
- [1] **Displays Paper Type Information**
Displays an export file or paper type information imported from the printer driver. A list of paper type names or a list of [Paper Type] in the [Page Setup] sheet appears in [Paper Type Name]. Detailed information about the selected paper type name appear in [Setting Contents] on the line below.
- [2] **[Move All] button**
Registers all of [1] in [4].
- [3] **[Clear] button**
[4] restores the default.
- [4] **Register Paper Type Information to Import**
The paper type to import appears in [Item Names]. Detailed information about the selected paper name appear in [Setting Contents] on the line below.
- [5] **Registration number interchange buttons**
Interchange the places in which to register the items in [4], using the up and down button.

Note

- The paper type name can be changed while it is selected in [1] by clicking it.
- If the same paper type name exists in [1] and [4], the paper type name in [1] is marked in red. When a paper type name is registered selectively, the one marked in red cannot be registered in [4]. To register the paper type name, change it.

■ To register all paper type names

Click [Move All].

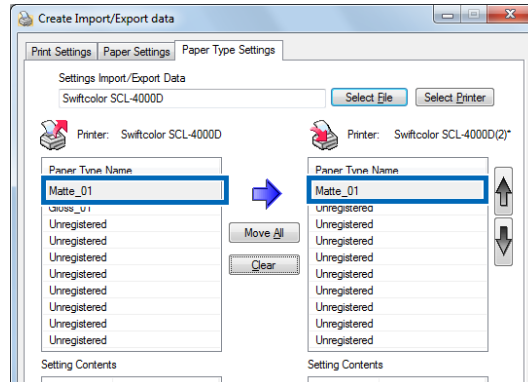
**Note**

- Paper type moved in a batch would overwrite all existing paper type names. To retain paper type left on the target import printer selectively, register the paper type names.

8. Appendices

■ To register selected paper type names

Up to 10 different paper names can be registered, one at a time, by dragging and dropping them.

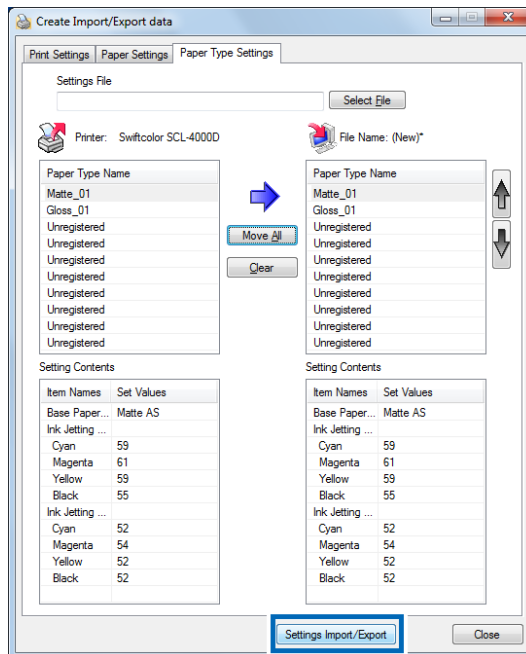


Note

- Drop a paper type name at an “Unregistered” position and the paper type name will be registered at the end of the registered paper type names. If a paper type name is dropped over a registered paper type name, it will overwrite the paper type name at that position.

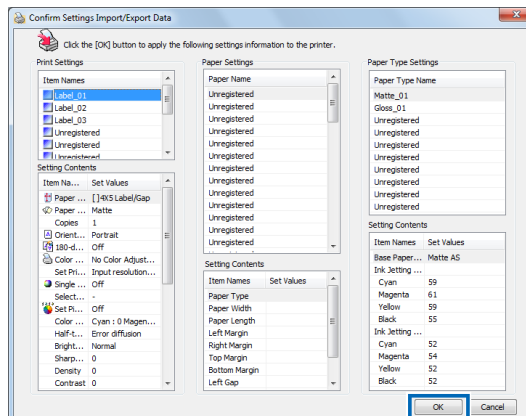
14

Click [Settings Import/Export].



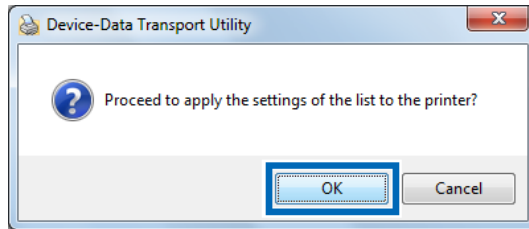
15

To import the setting displayed, click [OK].

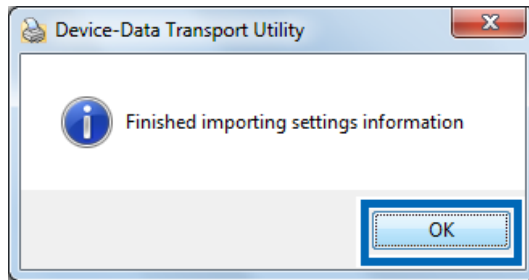


8.Appendices

16 Click [OK].

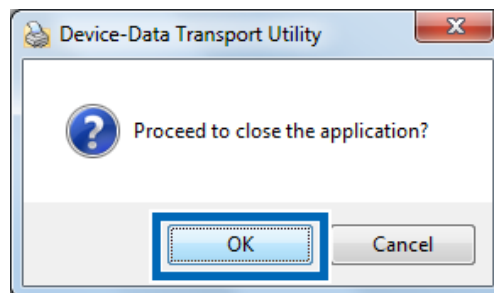


17 Click [OK].



18 Click [Close] in the [Create Import/Export data Utility] window and the [Device-Data Transport] window.

19 Click [OK].



8-6 Network Utility

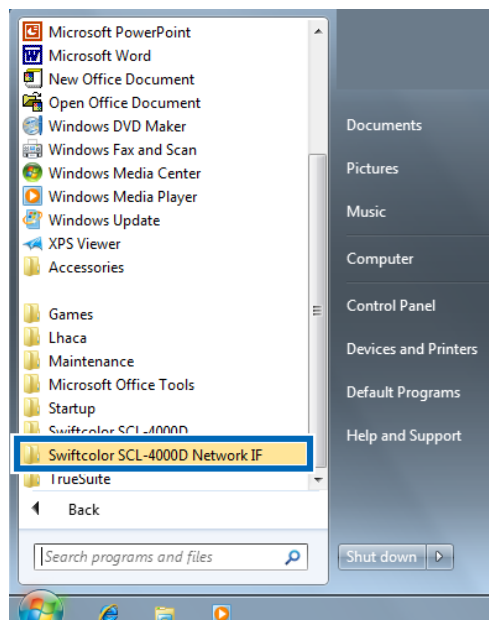
This utility software is for searching and configuration of settings for printers connected to the network.

Important

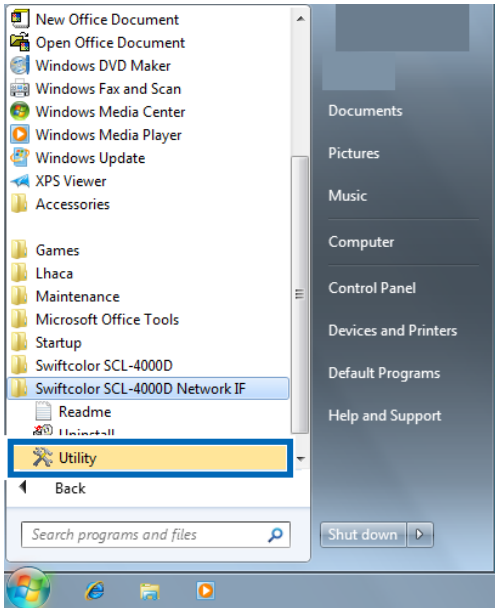
- When using Network Utility, be sure to configure settings as Network Administrator.

1 [All programs] dialog box from the [Start] menu in Windows.

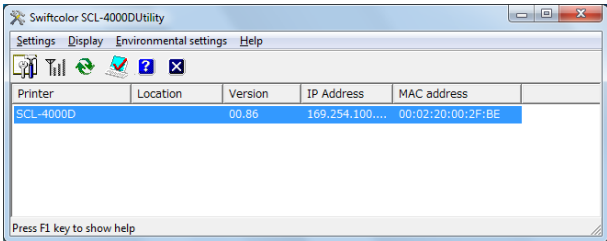
2 Click [Swiftcolor SCL-4000D Network IF].



3 Click [Utility].



4 Searches for the printer on the network.
The [Network Utility] starts.



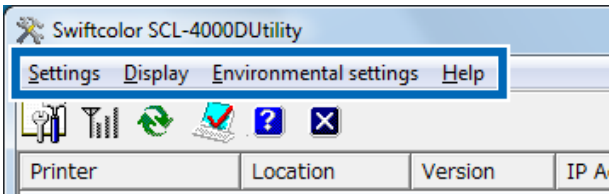
Toolbar



[1]	Printer setting	Opens the Network Settings window for a printer.
[2]	LAN status	Displays communication status of wired LAN.
[3]	Serch for printers again	Searches for a printer again.
[4]	Environmental setting	Configures environmental settings of the Network Utility.
[5]	Show utility help	Displays the Utility Help screen.
[6]	Utility closed	Ends the Network Utility.

Menu bar

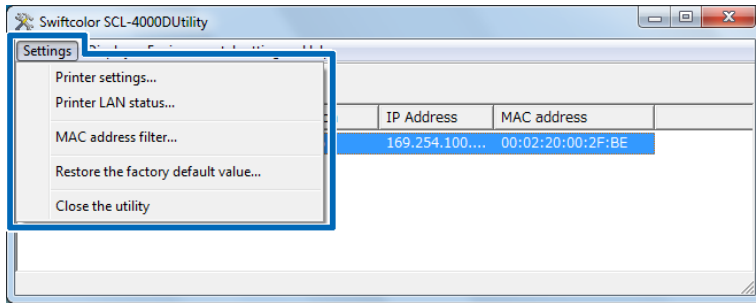
Configure settings on the [Network Utility].



Settings

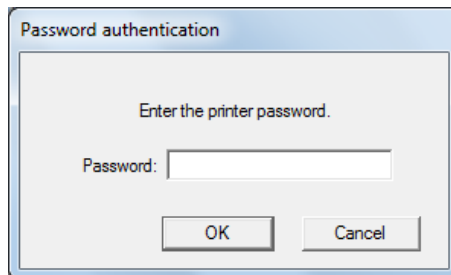
1

Click [Settings] on the menu bar and open the pull-down menu.



■ Printer Settings

1. Clicking [Printer Settings] on the pull-down menu opens the password setting dialog.

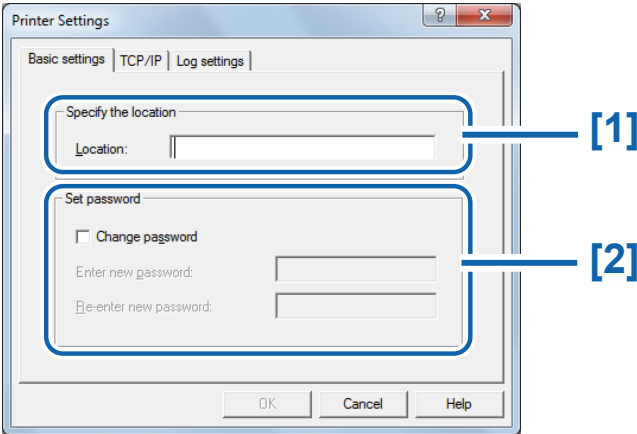


-Default password is [admin].

2. After entering password, click [OK].
3. Printer Setting window is displayed.

The [Basic settings], [TCP/IP], and [LOG settings] are described.

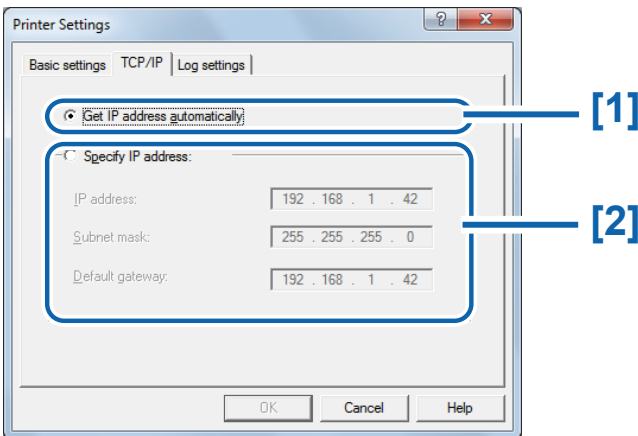
● Basic settings



Basic settings		
[1]	Specify the location	Enter the location of printer installed. *The number of characters that can be entered: 0 to 15 characters
[2]	Set password	Change the current password. *The number of characters that can be entered: 0 to 8 characters

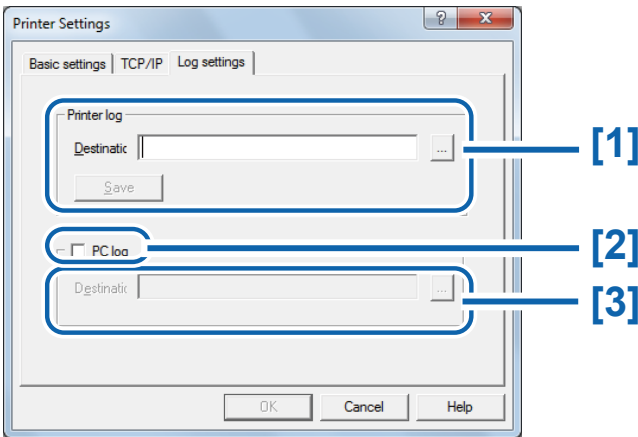
8.Appendices

● TCP/IP



TCP/IP		
[1]	Get IP address automatically	Automatically obtains IP address.
[2]	Specify IP address	Specify IP address. Select this option when IP address is not obtained from the DHCP server.

● Log settings



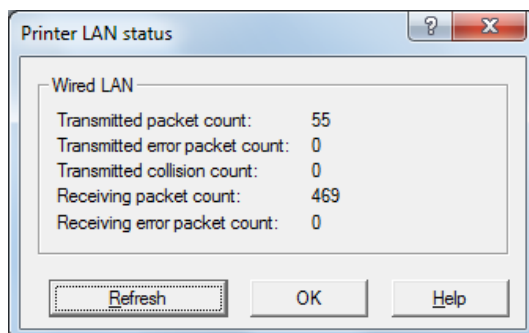
Log settings		
[1]	Printer log	Enter the location for the printer log file to be saved.
[2]	PC log	Check this check box when performing output for logs of the Network Interface Library to a file.
[3]	Destinatic	Enter save location for computer log.

4. Click [OK].

■ Printer LAN status

Check the network status obtained from the printer.

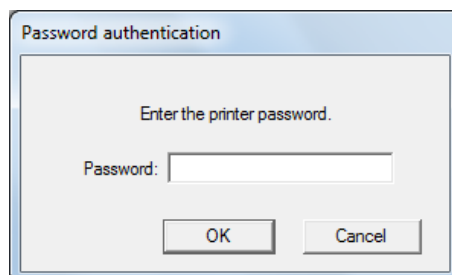
1. Click [Printer LAN status] on the pull-down menu.



2. Displays Network Status from printer.
3. Click [OK] after confirmation.

■ MAC address filter [Used when more than 2 printers are being used.]

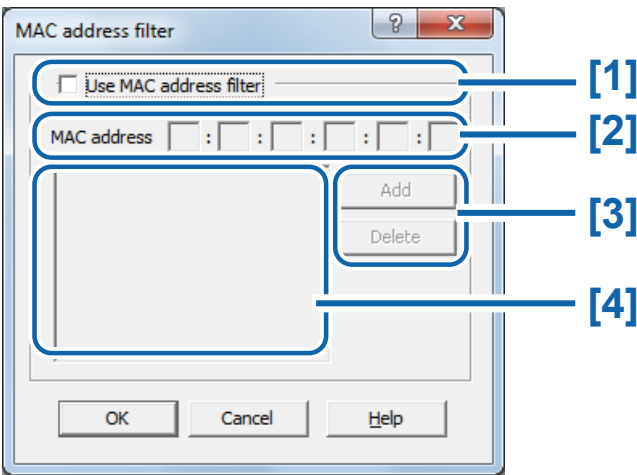
1. Click [MAC address filter] on the pull-down menu.
2. Password Setting dialog appears. Enter the password and Click [OK].



***Default password is “admin”. However, if password is changed in [Basic Settings] of [Settings], that password will be in effect.**

8.Appendices

3. When [Mac address filter] window is displayed, check this check box and enter settings.

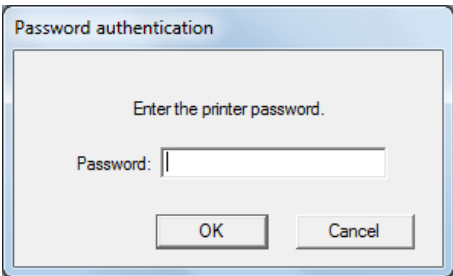


MAC address filter		
[1]	Use MAC address filter	Check this check box when using MAC address filter.
[2]	MAC address	Enter MAC address.
[3]	Add/Delete	Adds and deletes MAC address.
[4]	MAC address list	Displays the list of MAC addresses registered to the printer.

4. Click [OK] after setting is completed.

■ Restore the factory default value

1. Click [Restore the factory default value] on the pull-down menu.
2. Password Setting dialog appears. Enter the password and Click [OK].



***Default password is “admin”. However, if password is changed in [Basic Settings]**

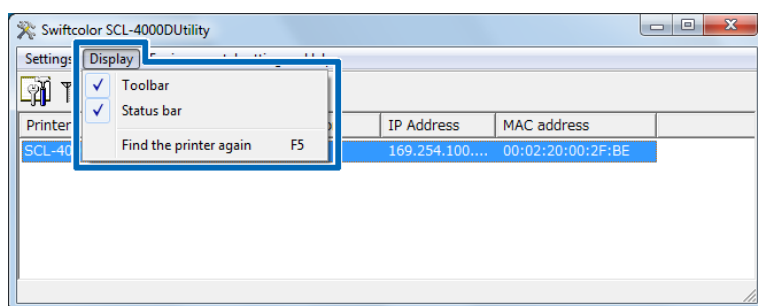
of [Settings], that password will be in effect.

3. When the confirmation window opens, click [Yes].

Display

1

Click [Display] on the pull-down menu.



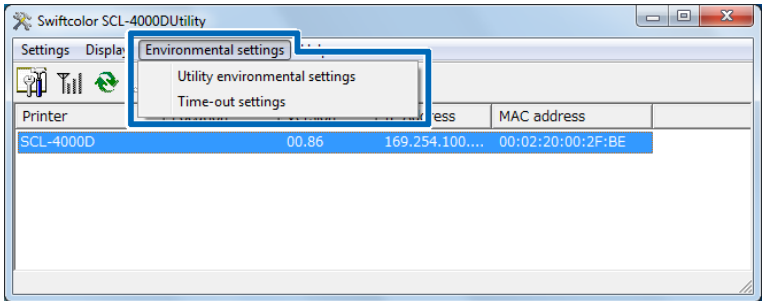
The check box is checked by default. If unchecked, the [Tool bar] and [status bar] will be displayed.

Environmental settings

■ Utility Environmental settings

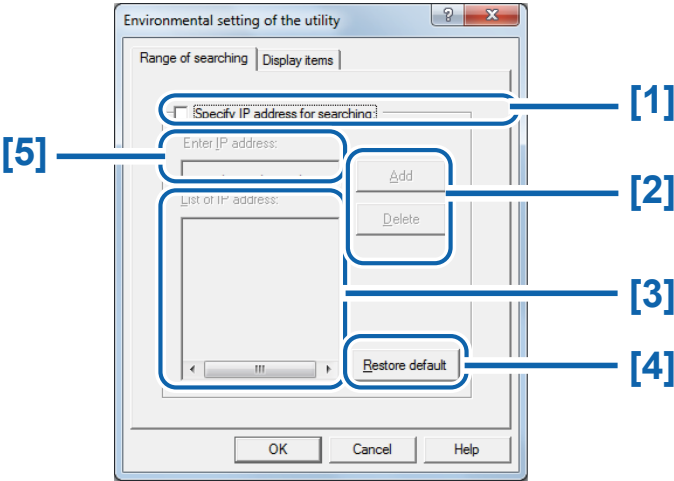
Configure the Utility Environment settings.

1 Click [Environmental Settings] on the pull-down menu.



2 Click [Utility environmental settings].

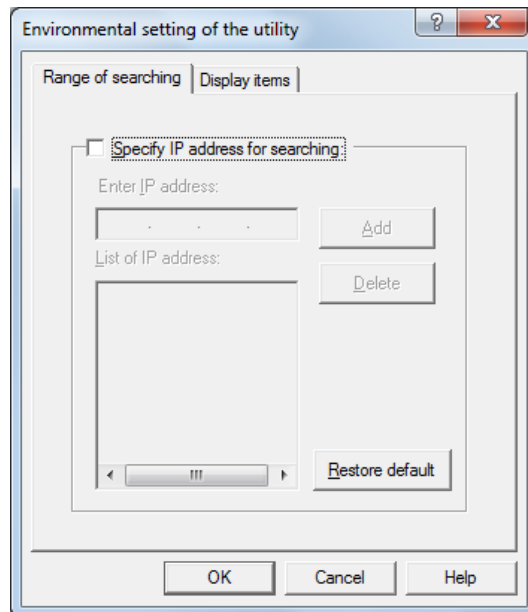
- Range of seaching



Range of searching		
[1]	Specify IP address for searching	Check ON: When specifying IP address to search. Check OFF: Searching for a printer on the network.
[2]	Add/Delete	Add or Delete IP addresses on search list.
[3]	List of IP address	Displays the list of IP addresses to search for.
[4]	Restore default	Reset the search range setting to default.
[5]	Enter IP address	Enter IP address to add to the search list.

- Display items

Select setting items to be displayed during start-up.



Printer name is always displayed so it is not included in the selectable items.

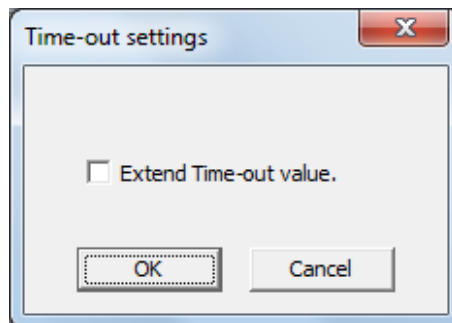
3

Click [Environmental Settings] on the menu bar for a pull-down menu and click [Time-out Settings].

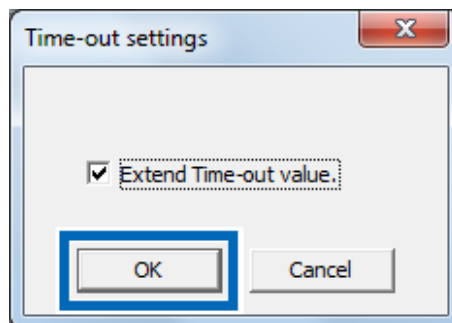
■ Time-out settings

Configure setting to extend the duration of network time-out to avoid resending print data.

1. Click [Time-out settings] on the pull-down menu.



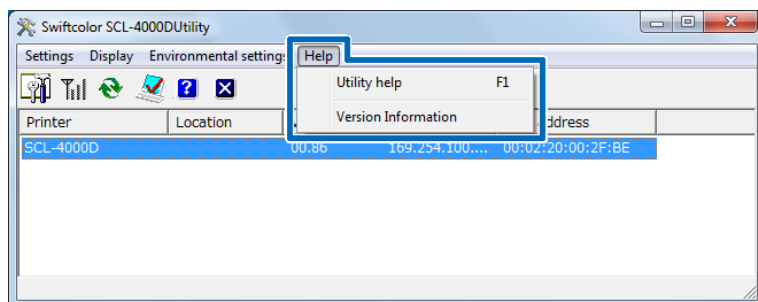
2. Check the [Extend Time-out Value] check box and click [OK].



Help

1

Click [Help] on the pull-down menu.



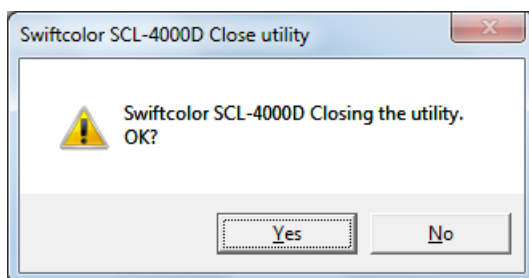
■ Utility Help

Click to display the Help of this utility.

■ Version information

Click to display the version of this utility.

After finished with all settings, click [Settings] on the menu bar and click [Close the utility] on the pull-down menu.



Click [Yes] to end.

Specifications

■ Printer

Product name	SCL-4000D(Dye model)	SCL-4000P(Pigment model)
Printing method	Inkjet	
Print colors	Full color	
Output resolution	1200dpi×1200dpi	
Printing speed	Manual: 200/160/120/100/90/80/70/60 /50mm/sec	Manual: 150/120/100/90/80/70/60/50mm/sec
	Auto	Auto
Printable area	105.9mm(W) × 397mm(L)	
Print margin (in relation to paper transport direction)	Top/Bottom: 1.5mm Left/Right: 2.7mm (Including Liner)*	
Printhead	5,030 nozzles(effective nozzles)	
Paper	Matte coated paper, Matte coated paper AS, Glossy paper, Glossy paper AS, Polypropylene AS	
Paper size	Width: 25.4mm - 120mm(Including Liner) Length: 6mm - 400mm	
Paper thickness	145 - 255µm	
Paper feed capacity	Outer diameter: Φ200mm and less Core diameter: Φ76.2 +/- 1.0mm	
Ink used	Water based dye ink Yellow (Y), Magenta (M), Cyan (C), and Black (Bk)	Water based pigment ink Yellow (Y), Magenta (M), Cyan (C), and Black (Bk)
Interface	Hi-Speed USB, 1000BASE-T/100BASE-TX/10BASE-T	
Extension interface	RS-232C×2 (For connection of external unit)	
Operating noise	About 60 dB or less	
Installation environment	Temperature: 15 degrees Celsius - 30 degrees Celsius Humidity: 10% - 80% (no condensation)	
Power supply	AC100-240V, 50/60Hz	
Power consumption	Maximum power consumption 233 W (Printer only)	Maximum power consumption 250 W (Printer only)
	268 W (Reference value:with optional cutter) Sleep mode: 8 W	265 W (Reference value:with optional cutter) Sleep mode: 8 W
Dimensions	386mm(W) × 570mm(D) × 394mm(H) (Auto cutterinstalled: 386mm(W) × 687mm(D) × 394mm(H))	
Weight	Approx. 24kg (without ink tank and printhead)	

*When using label paper, it must have left and right margins, each of which is 1.5mm or wider in relation to the left and right paper edges respectively.

■ Auto Cutter (Option)

Type	Rotary Cutter	
Installation configuration	Screwed to the paper delivery slot of printer.	
Cutting rate	Similar to the printer speed.	
Condition of the paper	Paper	Matte coated paper, Matte coated paper AS, Glossy paper, Glossy paper AS, Polypropylene AS
	Cut size	25.4mm - 120.0mm(W)
		38.1mm - 400mm(L)
	Paper thickness	45 - 255μm
Dimensions	221.3mm(W) × 193mm(D) × 230mm(H)	
Weight	Approx. 4.0kg	
Installation environment	Temperature: 15degree to 30degree, Humidity: 10% to 80% (with no condensation)	

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