EPSON®

EXCEED YOUR VISION

SL-D1000 Series

User's Guide

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Meaning of Symbols

⚠ *Warning:*	Warnings must be followed to avoid serious bodily injury.

⚠ *Caution:*	Cautions must be followed to avoid damage to this product or bodily injury.

❗ *Important:*	Important must be followed to avoid damage to this product.

Note:	Notes contain important information on the operation of this product.

Screen Shots In the Guide

❏ Screen shots used in this manual may differ to the actual screens. Also, the screens may differ depending on the operating system used and the usage environment.

❏ Unless otherwise noted, screen shots in this manual shows case of Windows 10 and macOS High Sierra.

Manual Organization

The manuals for the product are organized as shown below.

You can view the PDF manuals using Adobe Acrobat Reader or Preview (Mac).

Setup Guide (poster)	This poster explains the work to do after removing the printer from the box so that the printer can be used.

Safety Instructions	This manual explains rules that must be followed to prevent damage to property and the risk of injury to customers and other people. Be sure to read this manual to use the product safely and correctly.
Notices (PDF)	This manual contains necessary arbitration and certification information..
User's Guide (this manual)	This manual explains the general ways to use the printer, such as operating procedures, things required for everyday usage, maintenance work, and troubleshooting.
Administrator's Guide (PDF)	This manual explains how system administrators set up and manage the printer.

Viewing PDF Manuals

This section uses the Adobe Acrobat Reader DC as an example to explain the basic operations for viewing the PDF in Adobe Acrobat Reader.
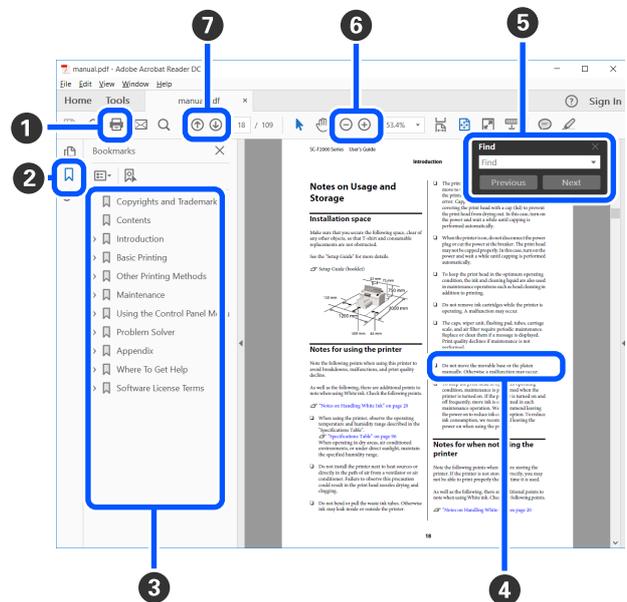
❶ Click to print the PDF manual.

❷ Each time it is clicked the bookmarks are hidden or shown.

❸ Click the title to open the relevant page.

Click [+] to open the titles lower in the hierarchy.

Notes on Manuals

❹ If the reference is in blue text, click the blue text to open the relevant page.

To return to the original page, do the following.

For Windows

While pressing the Alt key press the ← key.

For Mac

While pressing the command key press the ← key.

❺ You can input and search for keywords, such as the names of items you want to confirm.

For Windows

Right click on a page in the PDF manual and select **Find** in the menu that is displayed to open the search toolbar.

For Mac

Select **Find** in the **Edit** menu to open the search toolbar.

❻ To enlarge the text in the display that is too small to see well, click ⊕. Click ⊖ to reduce the size. To specify a part of an illustration or screenshot to enlarge, do the following.

For Windows

Right click on the page in the PDF manual and select **Marquee Zoom** in the menu that is displayed. The pointer changes to a magnifying glass, use it to specify the range of the place you want to enlarge.

For Mac

Click **View** menu - **Zoom** - **Marquee Zoom** in this order to change the pointer to a magnifying glass. Use the pointer as a magnifying glass to specify the range of the place you want to enlarge.

❼ Opens the previous page or next page.

Before Use

Printer Parts

Front

| | **When the optional duplex feeder is installed** | **While the scrap paper box is removed and the ink supply unit cover is open** |
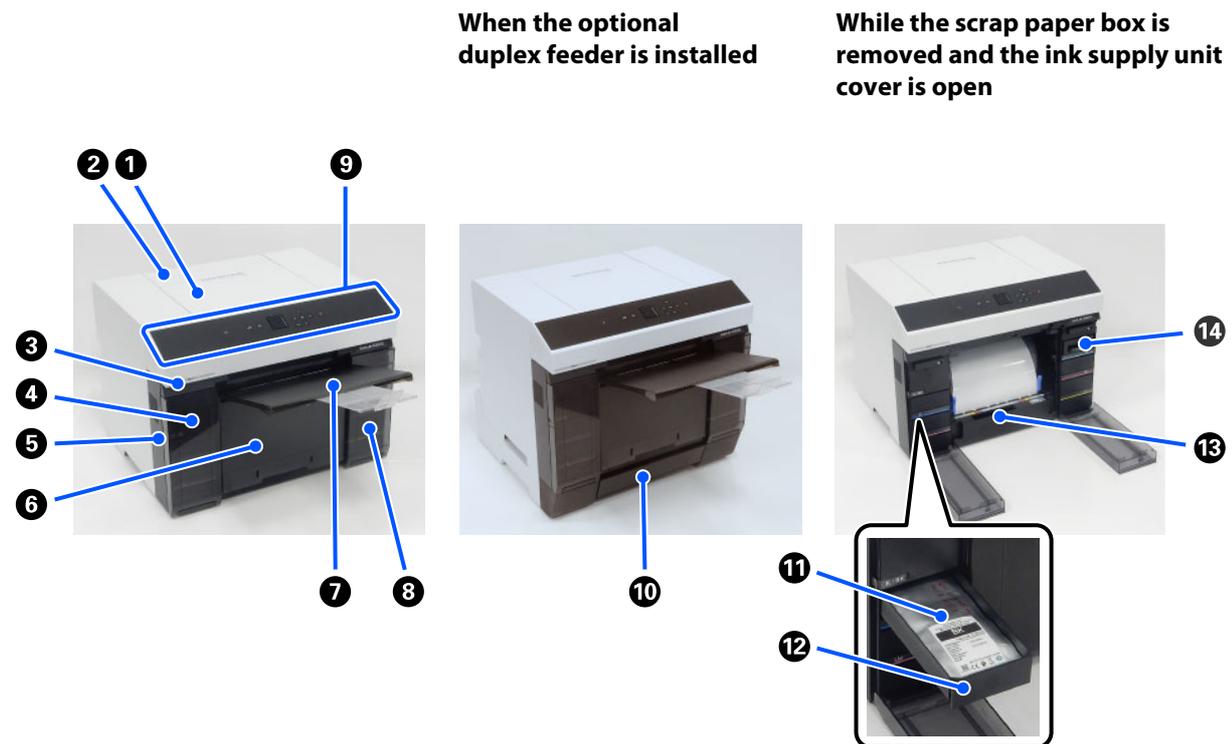
❶ **Printer cover**

Remove when doing maintenance or removing paper jams.

❷ **Rear paper feed slot cover**

Open this cover when loading cut paper to print from the rear paper feed slot.

❸ **Status display light**

This light indicates when the printer's status is normal or if an error has occurred.

❹ **Ink supply unit cover (left)**

Open to replace ink supply unit.

U "Replacing Ink Supply Units" on page 66

Before Use

❺ **Security slot**

Located alongside the ink supply unit cover.

Insert a commercially available security cable and lock to prevent theft of the printer and to lock the ink supply unit cover

❻ **Scrap paper box**

Scraps cut from roll paper while printing are collected here. Be sure to dispose of scrap paper when you replace the roll paper. Also, remove it when loading or removing roll paper.

U "Emptying the Scrap Paper Box" on page 69

❼ **Output tray**

The output tray is integrated with the scrap paper box.

Printed paper is collected on the output tray. To use it, pull it out toward you and raise the front end.

See the following for how many sheets of paper can accumulate on the tray.

U "Specifications Table" on page 169

Also, until paper that has been printed on has sufficiently dried, do not leave it stacked up for a long time. If paper that has not dried is left stacked up for a long time, the colors in the parts that overlap could change.

See the following for more details.

U "Notes on Paper" on page 20

❽ **Ink supply unit cover (right)**

Open to replace the ink supply unit and maintenance box.

U "Replacing Ink Supply Units" on page 66

U "Replacing Maintenance Box" on page 67

❾ **Control panel**

U "Control Panel" on page 16

❿ **Cassette**

For loading cut paper.

⓫ **Ink supply unit**

For loading 6 colors of ink supply units.

U "Replacing Ink Supply Units" on page 66

⓬ **Ink supply unit tray**

The colors on the labels indicate which ink supply unit is installed. Load all of the ink supply unit trays in the printer.

The ink supply unit trays are common parts, so they can be used the same with any color ink.

Before Use

⓭ **Roll paper unit**

Pull this out toward you to remove the spindle.

If the back side of printed roll paper is dirty, clean the roll paper unit.

☞ "Cleaning the Platen and Roll Paper Unit" on page 70

⓮ **Maintenance box**

Container that holds the waste ink fluid.

☞ "Replacing Maintenance Box" on page 67

Rear

When the optional duplex feeder is installed
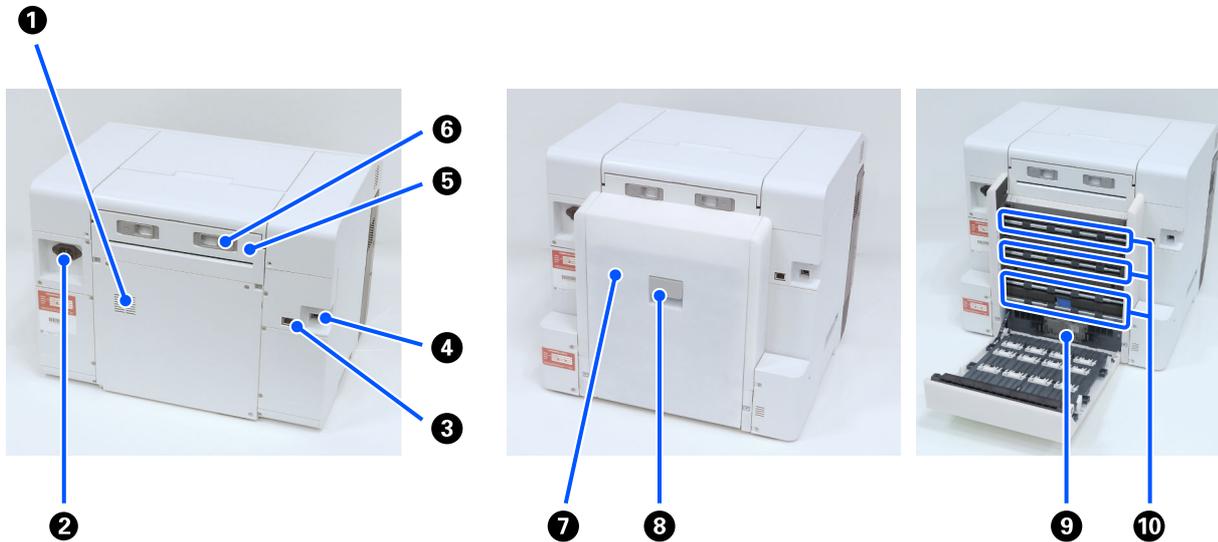
❶ **Airflow vents**

Air passes through these to adjust the temperature of the inside of the printer. There are multiple airflow vents. Do not obstruct any of the airflow vents.

❷ **AC inlet**

Connects the power cord to the printer.

❸ **LAN port**

Connects the LAN cable.

❹ **USB port**

Connect the USB cable here.

❺ **Paper feed unit**

Open this cover to load cut paper into the rear paper feed slot. Close this cover when not using the rear paper feed slot. Remove when doing maintenance or removing paper jams.

❻ **Lock lever**

This lever releases the lock for removing the paper feed unit.

Before Use

❼ **Rear cover**

Open when doing maintenance or removing paper jams.

❽ **Lock lever**

This lever releases the lock for opening the rear cover.

❾ **Feed rollers**

The cut sheets that are loaded in the cassette are fed via these rollers. When assembling the duplex feeder, install the feed rollers before using the machine.

The feed rollers need to be replaced according to the type of cut sheets being used. Also, if paper feeding problems occur repeatedly, clean and wipe any dirt from the surface of the rollers.

See the following for more details.

☞ "Cleaning and Replacing the Rollers in the Duplex Feeder (Option)" on page 72

❿ **Transfer rollers**

Cut sheets that are fed from the cassette are transferred to the platen via these rollers.

If paper feeding problems occur repeatedly, clean and wipe any dirt from the surface of the rollers.

See the following for more details.

☞ "Cleaning and Replacing the Rollers in the Duplex Feeder (Option)" on page 72

Feeding Unit
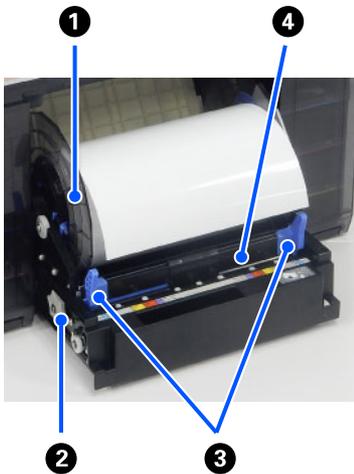
Roll paper unit　　　　　　　**Paper feed unit**　　　　　　　**Cassette (when the optional duplex feeder is installed)**
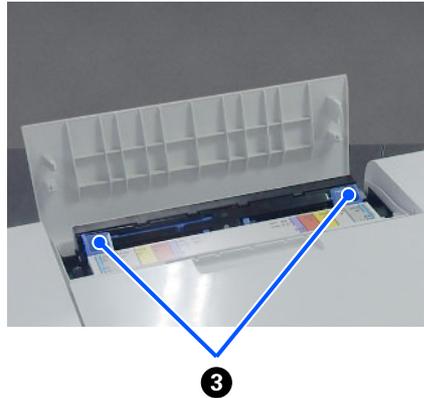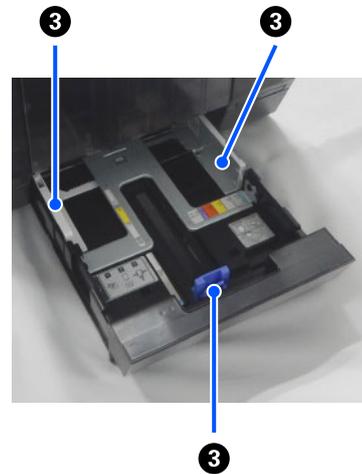
❶ **Spindle unit**

For loading roll paper.

❷ **Handle**

Turn this to rewind roll paper to the spindle unit.

❸ **Edge guide**

Align them with the edges of the paper when loading paper.

❹ **Paper slot**

Insert the leading edge of the roll paper to load it.

Before Use

Platen Area
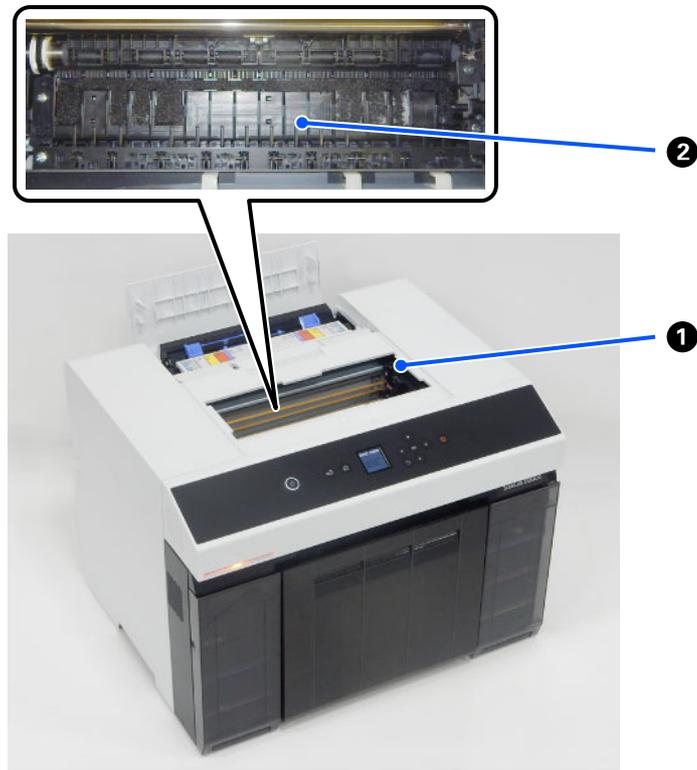
❶ **Print head unit**

The print head prints by moving left and right while emitting ink. Do not move the print head unit manually with too much force. Otherwise, it may break down.

❷ **Platen**

Clean the platen if the back of printed paper is dirty.

U "Cleaning the Platen and Roll Paper Unit" on page 70

Spindle Unit
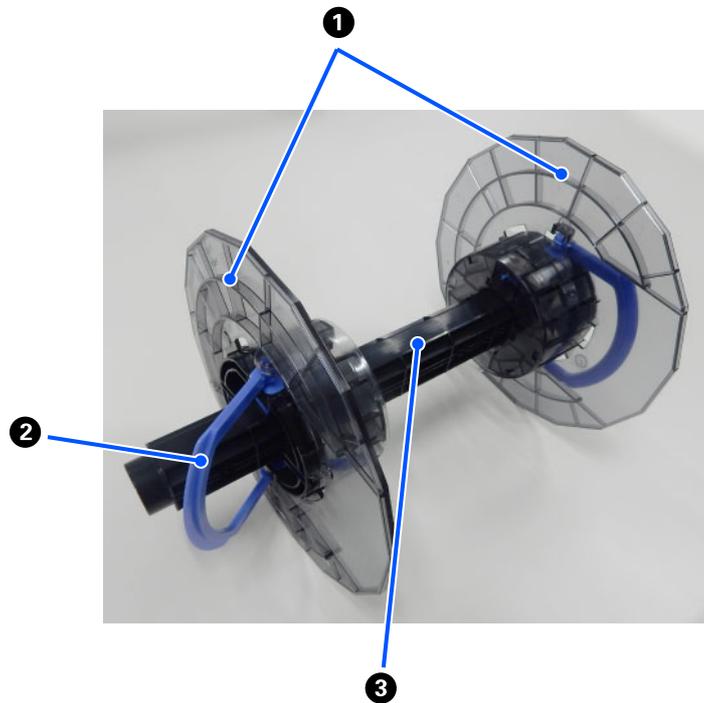
❶ **Media edge guide**

Insert into the roll paper's left and right ends to secure it. The media edge guides are the same on the left and right.

❷ **Knob**

Secures/releases the media edge guides, which are mounted on the spindle.

❸ **Spindle**

Insert into the roll core of the roll paper. When loading onto the printer, engage the gear on the right side so the rotation can be controlled from the printer.

Control Panel
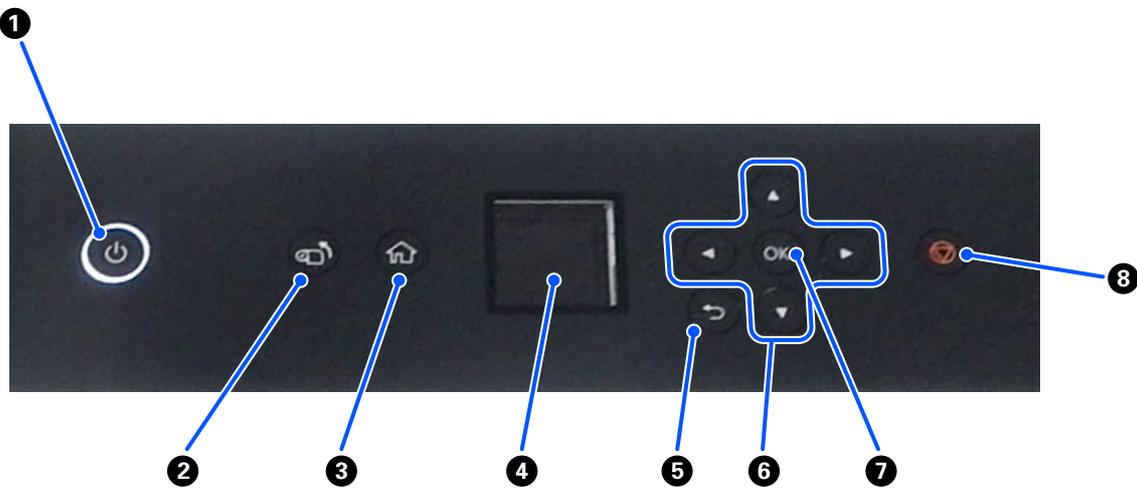
❶ ⏻ button (power button), ⏻ light (power light)

This is normally on (the light is lit) during use. If an emergency occurs, or when the printer is not going to be used for an extended period, turn this off (the light turns off).

The light flashes while the printer is operating.

❷ button (take-up button)

Press to replace the roll paper. The roll paper is wound back to the replacement position.

❸ button (home button)

Press this, such as when a settings menu is displayed, to return to the Home screen.

❹ Screen

Displays the printer's status, menus, and error messages.

❺ button (back button)

Press to go back up one level in the displayed settings menu.

❻ ▲/▼/◀/▶ buttons (arrow buttons)

Press when selecting items or entering text in settings menus.

❼ OK button

Press to execute functions, and to apply selections and inputs.

⑧ ⊘ button (stop button)

Press to stop operations.

Understanding and Operating the Display

Home Screen
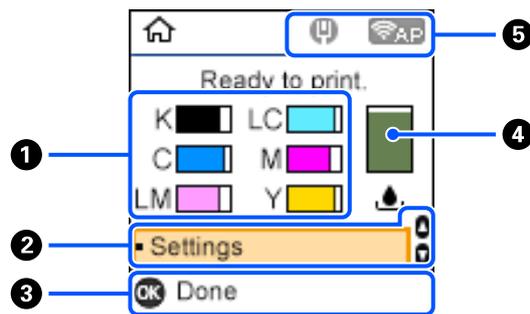
① Ink information

The statuses and estimates of ink levels are shown by horizontal bar displays. As the amount of ink runs low, the bar display becomes shorter.

The code to the left of the bar display indicates the ink color.

K : Black

C : Cyan

LM : Light Magenta

LC : Light Cyan

M : Magenta

Y : Yellow

Icons are displayed as notification of the following statuses.

⚠ : Ink is running low.

❌ : Ink Level is below the minimum value. Replace the ink supply unit with a new one.

U "Replacing Ink Supply Units" on page 66

② Settings menu

Set the printer and execute maintenance functions.

Use the ▲/▼ buttons to select items and press the OK button to go to the next screen.

U "Control Panel Menu" on page 113

Before Use

❸ **Operation Button Guide**

Buttons that can be operated appear as icons. This example shows you can go to a selected menu by using the OK button.

❹ **Maintenance box information**

The status and estimate of the approximate amount of space in the maintenance box are shown by a vertical bar display. As the amount of available space decreases, the bar display becomes shorter.

Icons are displayed as notification of the following statuses.

⚠ : Available space is running low.

❌ : There is no available space in the maintenance box. Replace the maintenance box with a new one.

❺ **Network Status**

The network connection statuses are shown by icons.

🔌 : Wired LAN is not connected, network is not set.

🔌 : Wired LAN is connected

📶 : Wireless LAN (Wi-Fi) is disabled or processing the connection

📶 : Wireless LAN (Wi-Fi) has a problem with or is searching for a connection

📶 : Wireless LAN (Wi-Fi) is connected

The number of lines shows the status of the signal. More lines indicate a better signal status.

[AP] : Wi-Fi Direct (simple AP) connection enabled

[AP] : Wi-Fi Direct (simple AP) connection disabled

Text Input Screen

To enter characters and symbols for network settings from the control panel, use the ▲/▼/◄/► buttons and the software keyboard on the screen. Press the ▲/▼/◄/► button to select a character or function button on the keyboard, and then press the **OK** button. When you have finished entering characters, select **OK**, and then press the **OK** button.
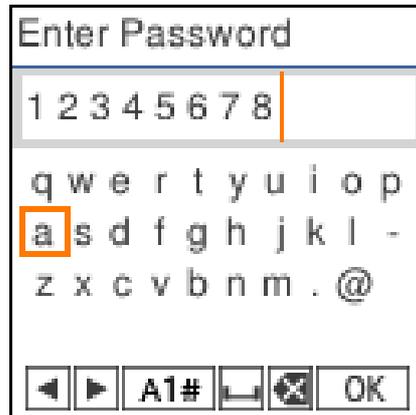
◄ ►	:	Moves the cursor to the left or right.
A 1 #	:	Switches the character type. You can enter alphanumerics or symbols.
⎵	:	Enters a space.
⌫	:	Deletes a character to the left (backspace).
OK	:	Enters the selected characters.

Notes on Usage

Notes when Handling the Main Unit

❑ Do not suddenly change the temperature in the room where the printer is installed.

   If the temperature changes suddenly, drops of water (condensation) could occur inside the printer which may have an adverse effect on operations.

❑ Use the printer in an environment with a temperature of 10 to 35 °C, and a humidity of 20 to 80%. When the printer is placed on a system rack, make sure the environment of the rack is within these ranges.

   Even when the conditions above are met, you may not be able to print properly if the environmental conditions are not suitable for the paper. Be sure to use the printer in an environment where the paper's requirements are met. For more details, see the documentation supplied with the paper.

   Also, when operating in dry areas, air conditioned environment, or under direct sunlight, maintain the appropriate humidity.

❑ Do not place any containers containing water, such as vases or cups, on the printer. If water enters the printer, it may break down. Also, do not put any heavy objects on the printer.

❑ The printer is equipped with several airflow vents. The airflow vents allow air to go in and out of the printer. Do not block these airflow vents by placing any objects near them, or by covering them with film sheets or paper.

❑ Do not use accessories designed for this printer with any other products.

❑ If the printer's covers are opened during printing, a safety mechanism is activated and printing is stopped automatically. Do not turn off the printer in this condition. This could cause the print head nozzles to dry and print quality to decline.

❑ Depending on the performance of the computer being used, the printer stops printing temporarily; however, this is not a malfunction.

❑ If the printer is not used for an extended period of time, make sure you leave the ink supply units and maintenance box installed.

❑ Do not leave the printer for more than three days in a state in which the power was not turned off correctly, such as due to a power outage. Roll paper may curl which could cause a decline in printer performance.

Notes on Paper

Note the following points when handling and storing the paper. If the paper is not in good condition, print quality may decline.

Check the documentation supplied with each paper.

Notes on Handling

Use paper recommended by our company.

Before Use

Note the following points when handling paper.

❏ Use Epson special media under normal room conditions (temperature: 15 to 25 °C, humidity: 40 to 60%).

❏ Do not fold the paper or scratch the surface of the paper.

❏ Avoid touching the printable surface of the paper with your bare hands. Moisture and oil from hands can have an adverse effect on the print quality.

❏ Handle paper by the edges of the paper. We recommend wearing cotton gloves.

❏ Do not throw away the paper packaging as you can use it for storing the paper.

❏ If roll paper is left loaded on the printer, the leading edge of the paper may curl and print quality may decline. We recommend removing roll paper from the printer when it is not in use.

Paper that cannot be used

Do not load paper as described below. Doing so could cause paper jams and dirty printouts.

❏ Paper that is wavy ❏ Paper that is torn ❏ Paper that is cut ❏ Paper that is too thick ❏ Paper that is too thin ❏ Paper that is hard	
❏ Paper that has folded corners ❏ Paper that is creased	
❏ Paper that has been rolled up ❏ Paper that has been folded	
❏ Paper on which stickers, etc., have been stuck ❏ Paper that is damp	
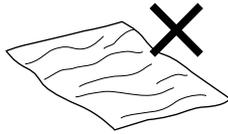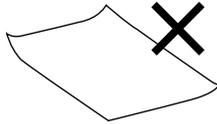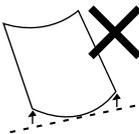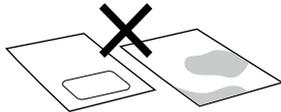
Notes before Loading Paper

When using the duplex feeder (option), before loading paper in the cassette, carefully riffle the stack of paper so the sheets do not stick together, and then align all four edges.

How to riffle ⚲ "Loading in the Cassette (Option)" on page 36

Notes on storage

❏ Do not throw away the paper packaging as you can use it for storing the paper.

❏ Avoid locations that are subject to direct sunlight, excessive heat, or humidity.

❏ Keep cut sheets in their original package after opening, and keep them in a flat place.

❏ Remove roll paper that is not in use from the spindle unit. Rewind it correctly and then store it in the original packaging that came with the roll paper. If you leave the roll paper in the printer for a long time, its quality may decline.

❏ We recommend removing roll paper from the printer if you are continuously using cut sheets. The back side of the roll paper may become dirty due to the increased amount of ink mist inside the printer, which sticks to the back of the roll paper. However, if **Auto Nozzle Check Settings** is set to **High quality**, then leave the roll paper loaded. In this case, it will be become dirty because check patterns are periodically printed on the roll paper.

Notes on Printing

Make sure that the leading edge of the paper is perpendicular to the long side and cut completely straight.

Storing and displaying printouts

❏ Make sure you do not rub or scratch the printed side.

❏ Make sure the print outs are completely dry before folding of stacking; otherwise, the color may change where they touch (leaves a mark). These marks will disappear if they are separated immediately and dried; however, they will remain if not separated.

❏ Do not use a dryer to dry the print outs.

❏ Avoid locations that are subject to high temperature, humidity, and direct sunlight, and store in a dark place.

❏ Avoid displaying print outs outdoors or in direct sunlight. This may accelerate the fading.

❏ When displaying print outs indoors, we recommend placing them in glass frames and so on. This allows you to display your print outs for a long time without them fading.

Notes on Handling Ink Supply Units

❏ Store the ink supply units away from direct sunlight at room temperature.

❏ To ensure print quality, we recommend using all the ink before the earlier of the following dates:

    ❏ Recommended use-by-date printed on the package of the ink supply unit

    ❏ Within one year after installing the ink supply unit to the printer.

❏ If ink supply units have been stored in a cold place for a long time, leave them at room temperature for more than 3 hours before use.

❏ The ink level and other data are stored in the IC chip, allowing ink supply units to be used after being removed and replaced.

Before Use

❏ Store ink supply units that are removed before all the ink has been used so that dust does not get on the ink supply ports. The ink supply port has a valve in it so it does not need to be capped.

❏ Removed ink supply units may have ink around the ink supply port, so be careful not to get any ink on the surrounding area.

❏ Do not touch the IC chip of the ink supply unit. Doing so may prevent normal operation and printing.

❏ Do not subject ink supply units to extreme shock, such as by dropping them. Ink may leak from the ink supply units.

❏ Even while nothing is printed, the printer uses ink from all ink supply units during head cleaning and other maintenance operations to keep the print head in good condition.

❏ Although the ink supply units may contain recycled materials, this does not affect printer function or performance.

❏ Do not leave the printer without ink supply units installed. The ink in the printer may dry and the printer will not print correctly. When you are not using the printer, make sure there is an ink supply unit installed in each slot.

❏ Load all colors of ink supply units. You cannot print unless all the colors are loaded.

❏ To maintain the quality of the head, the printer stops printing before the ink supply units are completely expended; therefore, some ink is left in used ink supply units.

❏ Do not dismantle or modify ink supply units. You may not be able to print properly.

Introducing the Software

Install the printer driver and Maintenance Tool on your computer to use the printer.

Before Use

Software Name	Summary
Printer Driver	This software is for printing from the printer according to print commands from application software. ☞ "Printer Driver Functions" on page 26
Maintenance Tool	This software can execute maintenance functions, such as checking the printer's status, making settings, and doing Print Head Cleaning. Also, the Maintenance Tool must be installed in the following cases, so install Maintenance Tool on your computer. ❏ To use the automatic print head nozzle check. ❏ To add types of paper to be used on the printer. ❏ To use EPSON SureLab OrderController/EPSON SureLab OrderController LE. Maintenance Tool is not installed automatically if you are using Windows. See the following to install it. It is installed together with the printer driver if you are using Mac. ☞ "Installing Maintenance Tool (Windows Only)" on page 26 See the following for more details on Maintenance Tool. ☞ "Using the Maintenance Tool (Windows)" on page 80 ☞ "Using the Maintenance Tool (Mac)" on page 95
SL Paper Type Additional Tool	Software to add paper types for Mac. It is installed together with the printer driver if you are using Mac. See the following for more details on SL Paper Type Additional Tool. ☞ "Adding Paper Information by Using a Paper Type File" on page 109
EPSON Software Updater	The software checks if new software or update information is available on the Internet and installs it when available. You can also update the manuals for this printer. ☞ "How to Use EPSON Software Updater" on page 26
EPSON NetConfig SE	With this software, you can configure various network settings for the printer from your computer. This is useful as it allows you to enter addresses and names using the keyboard. This manual is also installed during installation.
Web Config	This software comes preinstalled in the printer. Start and use it from a Web browser via the network. Do the network security settings from Web Config. This software also has an email notification function for notifying of printer errors and other problems. ☞ "How to Use Web Config" on page 27
EPSON SureLab OrderController/EPSON SureLab OrderController LE[1]	This software is for receiving orders, and managing and processing photos to be printed as orders. It also has image processing functions, such as auto compensation. EPSON SureLab OrderController LE has limited functionality of EPSON SureLab OrderController.
EPSON Print Factory for DPE[1]	This software is for terminals that receive orders and that support EPSON SureLab OrderController/EPSON SureLab OrderController LE. Simple operability and audio guidance mean that orders can be placed easily. It has functions for multiple split screens, calendars, design templates, and more.

Before Use

Software Name	Summary
EPSON SureLab Layout and ID[*1]	This software has photo processing functions and layout functions. It can do various processes to received photos, such as creating ID photos, inserting text, and creating frames. Printing cannot be done with just EPSON SureLab Layout and ID alone. Use it with EPSON SureLab OrderController/EPSON SureLab OrderController LE.
EPSON SureLab FrameEditor[*1]	This software creates frames by using EPSON SureLab Layout and ID.
Epson Photo Creator (for users)/Epson Mobile Order Manager (for shops)[*2]	This software is used at photo shops for ordering and printing photo-books and snapshots from smart devices. The user app is used to edit, save, and upload photo-books and snapshots, while the shop app is used to receive, download, and print the data.
Epson Smart Panel[*2]	This app is for printing and for checking the status of the printer from a smart device.
Epson Device Admin[*3]	This software can centrally manage the status of and do settings for multiple printers connected over a network or by USB. It can also notify administrators with error information, such as paper jams and ink depletion, as well as allow settings to be changed remotely, such as IP addresses when a new printer is installed.
Firmware Updater[*3]	This software is for updating firmware. It uses EFU format files for firmware updates to update the printer firmware.

*1 This is optional software.

*2 Download this software from App Store or Google Play if necessary.

*3 This is not installed automatically. Download it from Epson's website and install it, if necessary.

Installing Maintenance Tool (Windows Only)

If you need to install the Maintenance Tool separately from the printer driver, use the following procedure.

> **Note:**
> *If your computer runs on a Mac OS, Maintenance Tool is installed together when you install the printer driver.*

1   Download the Maintenance Tool from the Epson support site and run the executable.

2   When the setup wizard starts, click **Next**.

Follow the on-screen instructions to install.

See the following for more details on Maintenance Tool.

U "Using the Maintenance Tool (Windows)" on page 80

Printer Driver Functions

The printer driver coordinates print instructions from other applications to print on the printer.

The main functions of the printer driver are described below.

❏   Converts print data received from applications into printable data and sends it to the printer.

❏   Set print conditions, such as the paper type and paper size, on the printer driver's settings screen.

❏   Windows only ;

  ❏   Start Maintenance Tool and you can perform adjustment and maintenance operations, such as checking the printer's status, making settings, and performing head cleaning, from your computer.

    U "Using the Maintenance Tool (Windows)" on page 80

  ❏   Start up Paper Type Additional Tool to be able to add paper information to the printer and printer driver.

    U "Adding Paper Information" on page 109

How to Use EPSON Software Updater

Checking Software Update Availability

1   Check the following status.

  ❏   The computer is connected to the Internet.

  ❏   The printer and the computer can communicate.

2   Start EPSON Software Updater.

Windows 8.1
Enter the software name in the search charm, and select the icon displayed.

Windows 10
Click the Start button, and then select **All Apps** - **Epson Software**-**EPSON Software Updater** in this order.

Mac
Click **Go** - **Applications** - **Epson Software** - **EPSON Software Updater**.

> **Note:**
> *In Windows, you can also start by clicking the printer icon on the desktop toolbar and selecting* **Software Update***.*

3   Update the software and manuals.

Follow the on-screen instructions to continue.

> **! Important:**
> *Do not turn off the computer or printer while updating.*

> **Note:**
> *Software that is not displayed in the list cannot be updated using EPSON Software Updater. Check for the latest versions of the software from the Epson Web site.*
>
> *https://www.epson.com*

Receiving Update Notifications

1 Start EPSON Software Updater.

2 Click **Auto update settings**.

3 Select an interval for checking for updates on the printer's **Interval to Check** box, and then click **OK**.

How to Use Web Config

This section explains how to start and close Web Config. See the *Administrator's Guide* in the *Online Manual* for details about using Web Config.

Instructions for Starting

Launch a browser on a computer connected to the same network as the printer.

1 Check the IP address of the printer.

   From the Home screen, press **Settings** - **Network Settings** - **Advanced Setup** - **TCP/IP** - **Manual**, in this order.

2 Launch a Web browser on a computer connected to the printer via a network.

3 Enter the IP address of the printer in the address bar of the Web browser and press the **Enter** or **Return** key.

   Format:

   IPv4: https://IP address of printer/

   IPv6: https://[IP address of printer]/

   Example:

   IPv4: https://192.168.100.201/

   IPv6: https://[2001:db8::1000:1]/

> **Note:**
> *The initial value for the administrator's user name is blank (nothing has been input), and the initial value for the administrator's password is the product's serial number. Confirm the product serial number printed on a label on the printer.*

Exiting Procedure

Close the Web browser.

Uninstalling Software

Windows

The printer driver and Maintenance Tool need to be deleted individually.

> **Important:**
> ❏ *You must log in as an Administrator.*
> ❏ *If the password or confirmation of an administrator is requested, enter the password and then continue with the operation.*

1 Open the Control Panel, and then click **Uninstall a program**.

2 Select the software to delete, and then click **Uninstall/Change** (or **Uninstall**).

   To Delete the Printer Driver
   Select **EPSON SL-D1000 Series Printer Uninstall**.

To Delete Maintenance Tool
Select **EPSON SL-D1000 Series Software**.
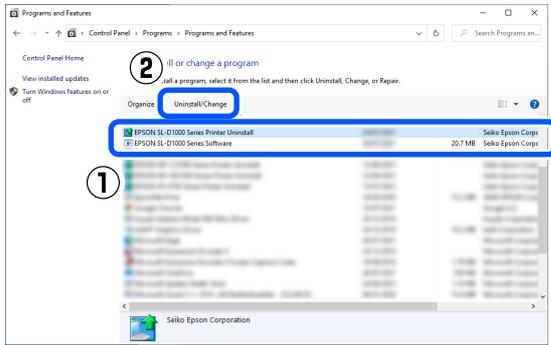
To delete the printer driver, go to step 3.

To delete Maintenance Tool, go to step 4.

3   Select the target printer icon, and then click **OK**.
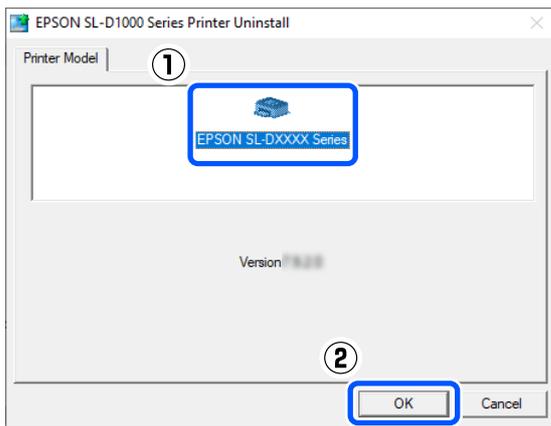
4   Follow the on-screen instructions to continue.

When the delete confirmation message appears, click **Yes**.

Restart the computer if you are reinstalling the printer driver.

Mac

When the printer driver is deleted, Maintenance Tool is also deleted.

Use the "Uninstaller" to uninstall the printer driver.

Downloading the Uninstaller
Download the "Uninstaller" from the Epson website.

https://www.epson.com/

Using the Uninstaller
Check the procedure when downloading "Uninstaller" on the Epson website, and follow the instructions.

Basic Operations

Notes When Loading/Replacing Paper

> ⚠️ *Cajution:*
> - *Do not rub the edges of the printing paper with your hand. The edges of the paper are thin and sharp and could cause an injury.*
>
> - *When opening and closing the covers, do not place your hands near the points where the main unit and the cover join. If your fingers or hands are trapped, an injury could occur.*
>
> - *When moving the roll paper unit in or out, grip the handle. If you place your hands into any other sections, either side of your hand or fingers could be injured.*

Notes when Loading Roll Paper

Do not load roll paper if the left and right edges are uneven

Loading roll paper whose left and right edges are uneven, will cause paper feeding problems. Align the edges before using it or use a roll of paper that has no such issues.
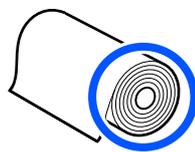
Repeatedly winding and unwinding the same roll paper on the spindle unit may tend to make the left and right ends uneven.

When removing roll paper, do not allow the paper to become loose, and when loading it, keep the left and right edges even.

Do not load roll paper if the leading edge is ragged.
If the leading edge of the roll paper is ragged, cut it straight with a pair of scissors, or something, and then load it.

Basic Operations

How to Replace Roll Paper

This section explains how to remove paper from the roll paper unit, and then load new paper.

Preparing to Replace Paper

Prepare the following items.

Item Prepared	Explanation
New roll paper to be loaded	-
Cloth or vinyl rug	Spread it out where the roll paper will be loaded/removed from the spindle unit so that the roll paper does not get dirty.
Soft cloth	Clean the edges of the roll paper before installing the roll paper.
Gloves	Wear when handling the roll paper so that the paper does not get dirty.

Replace the roll paper in the following order. Follow the steps for each procedure.

❏

❏

❏

❏

Removing the Spindle Unit

1 Confirm that the power is on.

2 Press the ⟲ button to rewind roll paper to the spindle.

3 Store the output tray.

4 Remove the scrap paper box, and dispose of the scraps.

5 Pull out the roll paper unit.

6   Remove the spindle unit.

Do not lift the spindle unit by the knobs when removing it. The roll paper could fall.

Removing the Roll Paper

1   Raise the knob and remove the left-side media edge guide.
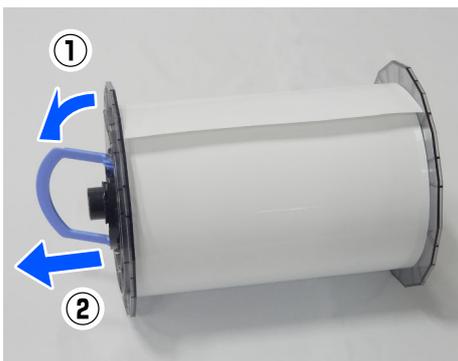
2   Raise the knob and remove the right-side media edge guide and the spindle.
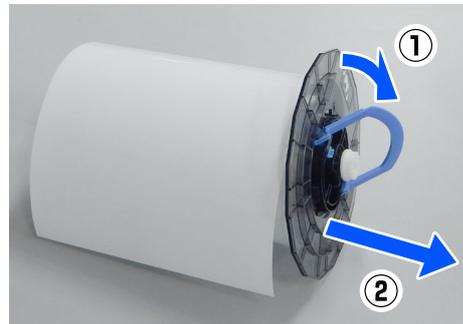
Attaching the Roll Paper

Attach the roll paper so it is in the center of the spindle unit. Follow the steps below to attach it.

1   Remove the new roll paper from its packaging, and stand it on end on a flat surface. Next, wipe the end of the roll paper with a soft cloth several times to remove any dirt, such as paper dust.

Place the roll paper so the leading edge is facing as shown in the illustration below.

2   Raise the knob on the media edge guide and place it on the roll paper.

Press it in until there is no gap between the media edge guide and the roll paper.

Basic Operations

If the spindle is inserted into the media edge guide, first remove the spindle and then press the media edge guide in to securely attach it to the roll paper.
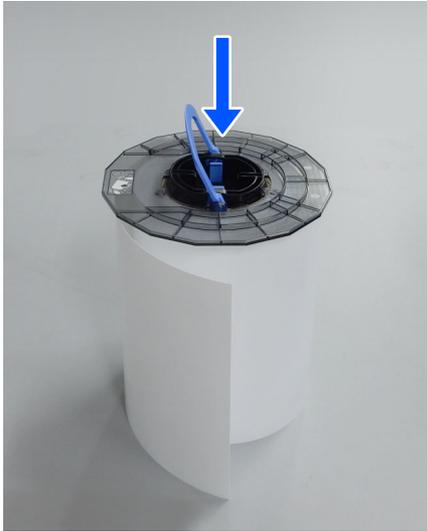
3   Insert the spindle into the media edge guide until the position of the width of the paper being loaded.

Insert the end of the spindle that has no gear first.

The illustration shows an example of alignment with A4.
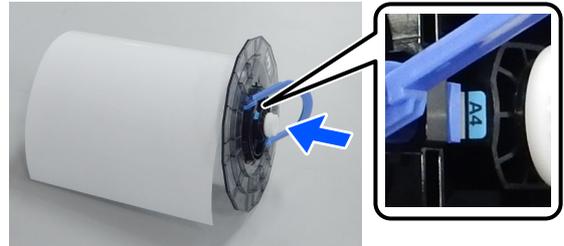
4   Lower the knob, and secure the media edge guide.

When doing this, confirm that there are no gaps between the media edge guides and the roll paper.

5 Insert the media edge guide into the side opposite to the shaft of the spindle unit, and firmly clamp the roll paper between the media edge guides.
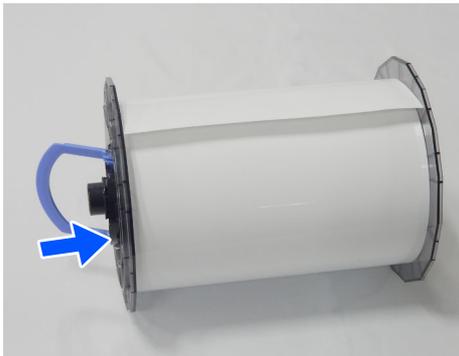
6 Confirm that there are no gaps between the media edge guide and the roll paper, lower the knob, and then secure the media edge guide.
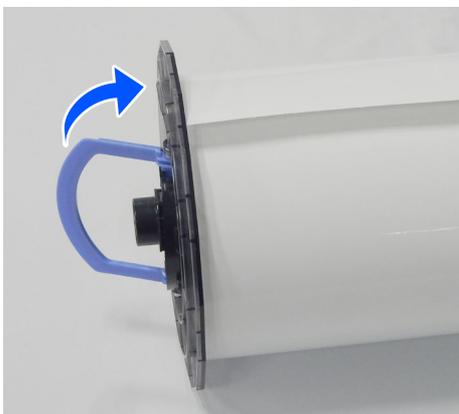
Installing the Spindle Unit

1 Load the spindle unit into the roll paper unit.

Position the gear on the end of the spindle on the right side.

Check that the shaft of the spindle unit fits into the bearing and that the gears engage.

2 Insert the leading edge of the roll paper into the paper slot until you hear a beep.

Basic Operations

3   Align the edge guides to the width of the roll paper.
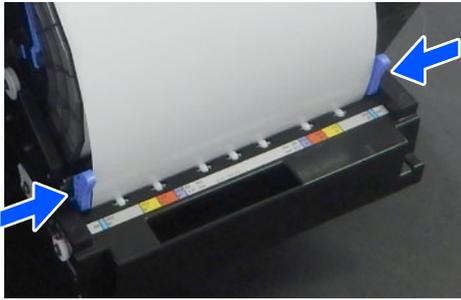
At this time, confirm that the position of the edge of the roll paper matches the label showing the paper size, and that there are no gaps between the left and right edge guides and the edges of the roll paper.
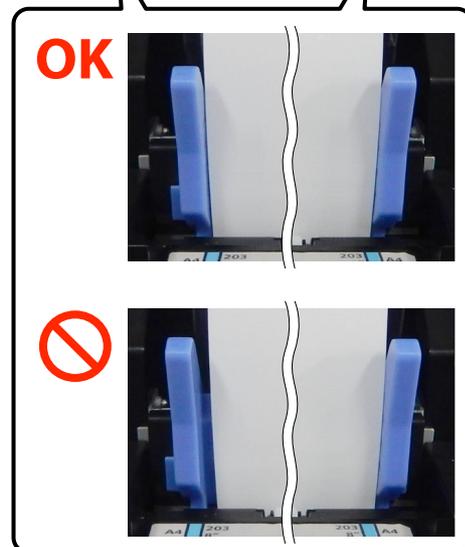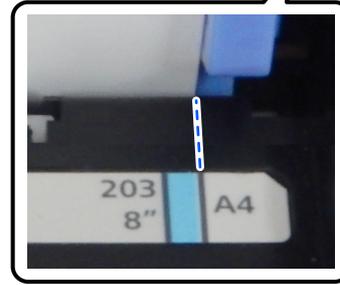
If the labels do not match or there are gaps at the left or right edge guides, then the position in which the roll paper is loaded is not aligned with the spindle unit. Reload the roll paper in the correct position.

Basic Operations

4   Push the roll paper unit all the way in.

5   Attach the scrap paper box.

Paper feed starts after it is attached. When paper feed stops, the control panel screen displays the paper type settings.

6   Set the paper type on the control panel screen.

Press **OK** if the type of paper displayed matches the type of roll paper inserted.

If it is not, select **Change** and choose the correct type.
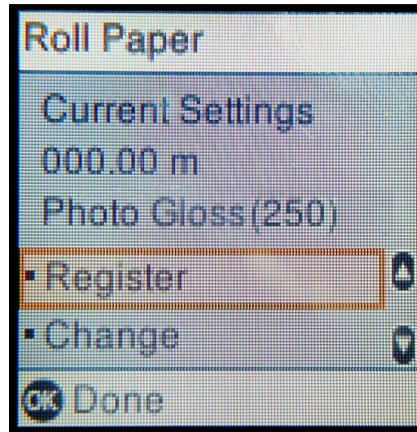
7   Extend the output tray.

Lift it up toward you and push it slightly in to secure it.

Pull the second stage out toward you and raise the front edge part.
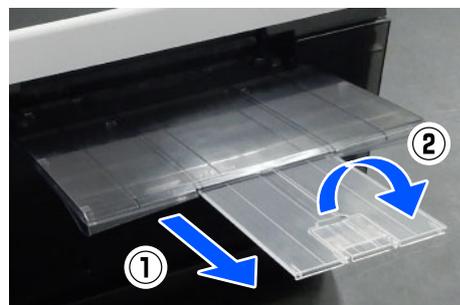
Basic Operations

How to Load Cut Paper

This section explains the procedure to load cut paper in the paper feed unit and the optional cassette.

Required Items

Prepare the following items.

Item Prepared	Explanation
Cut paper to be loaded	-
Gloves	Wear when handling the paper so that the paper does not get dirty.

Loading in the Paper Feed Unit

First start printing to transmit the print data to the printer, and then load cut paper into the paper feed unit.

1. Open the rear paper feed slot cover.

2. Spread apart the edge guides.
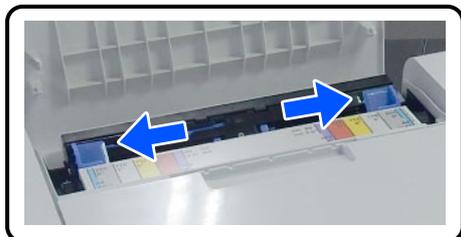
3. Load the paper in the center between the edge guides with the printable side facing you.
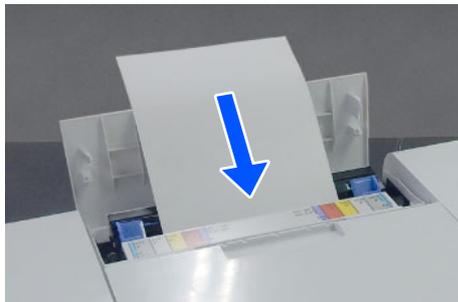
4. Align the edge guides to the width of the paper.
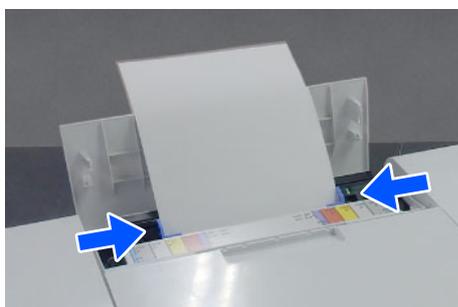
5. Push the paper about 2 inches (5 cm) into the paper slot.

   At this time, push the paper gradually in as you press on the left and right edge guides so the paper does not skew. You can load the paper correctly and prevent it from skewing.
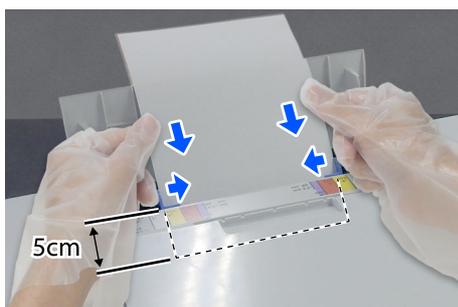
Loading in the Cassette (Option)

Confirm in advance that the feed rollers that are installed are suitable for the type of paper that is loaded.

U "Cleaning and Replacing the Rollers in the Duplex Feeder (Option)" on page 72

Basic Operations

1 Pull the cassette out toward you.

2 Spread apart the left, right, and front edge guides all the way.

Pinch the levers as you move them.
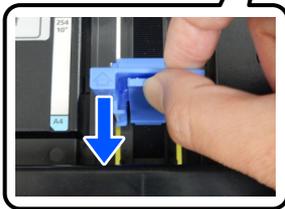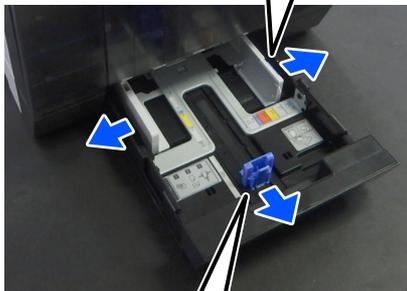
3 Riffle the paper to be loaded.

Static electricity may cause sheets of paper in a stack to stick to each other. Loading paper like that into the cassette could cause paper feeding problems, so follow the procedure below to riffle the paper. Riffling paper forces air between the sheets, which causes them to separate.

Riffle the short edges of the paper two times each. For square paper, riffle whichever two opposing sides.

(1) Riffle the short edges of the paper as shown in the illustration.

❏ Hold the paper lightly, without gripping it too tightly. If you grip to tightly, air cannot get into the edges of the paper to separate the sheets that are stuck together.

❏ When riffling large sheets of paper, support the stack of paper against your arm as shown in the illustration.
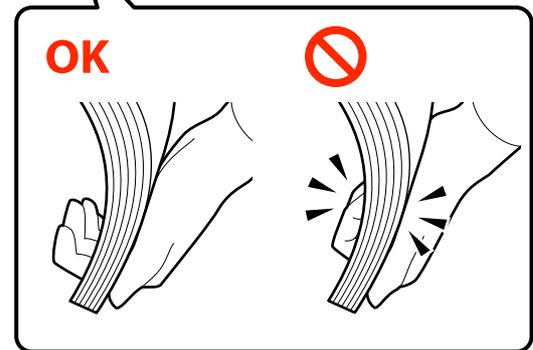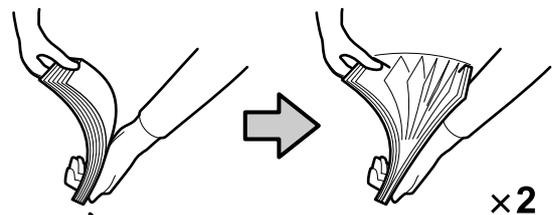
(2) Riffle the other short edges two times in the same way.

(3) Align all four edges of the paper.
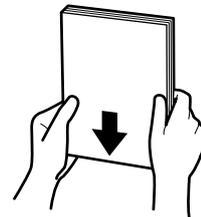
4 Load the paper with the printable side facing down.

The number of sheets that can be loaded is either 100 sheets or up to the limit line on the edge guide, whichever is fewer.

Basic Operations

See the following for the number of sheets of genuine Epson paper that can be loaded.
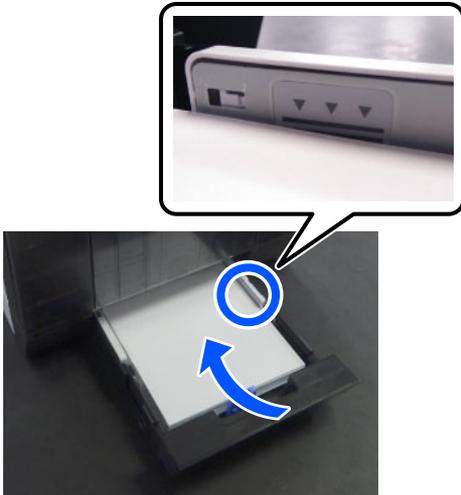
5   Align the left, right, and front edge guides to the paper.

Pinch the levers as you move them.

If there are gaps between the edge guides and the paper, the paper may skew during printing, so align them accurately.

Also, confirm that the top of the paper does not exceed the upper limit line on the left and right edge guides.

6   Close the cassette.
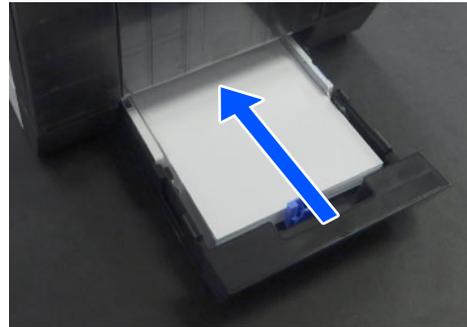
After closing it, set the paper size and paper type on the control panel screen.

Press **OK** if the type of paper displayed matches the type of paper inserted.

If it is not, select **Change** and choose the correct type.
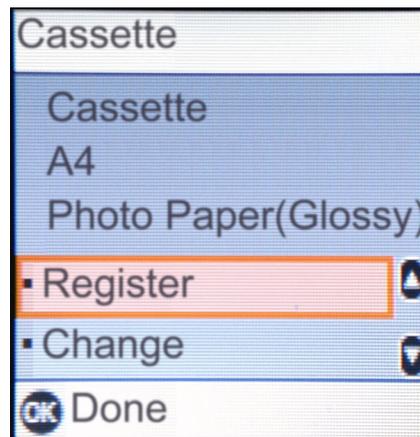
Basic Printing Methods (Windows)

This section explains how to print and how to cancel printing.

Printing is executed from application software on a computer connected to the printer.

See the following for more details on stopping printing.

How to Print from Photoshop

This section uses Adobe Photoshop 2021 as an example of how to print image data.

Operations may differ depending on the application software being used. See the manual supplied with the application for more details.

1   Turn on the printer, and load the paper to be used.

When paper is loaded in the duplex feeder
When using the optional duplex feeder for the first time, do the following settings.

(1) Open the Control Panel, and click **Hardware and Sound** - **Devices and Printers**, in this order.

(2) Right-click the target printer icon, and select **Printer properties**.
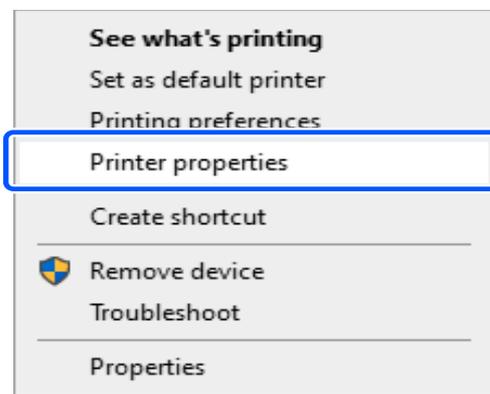
(3) Select **Optional Settings**, select **Acquire from Printer**, and then click **Get**.
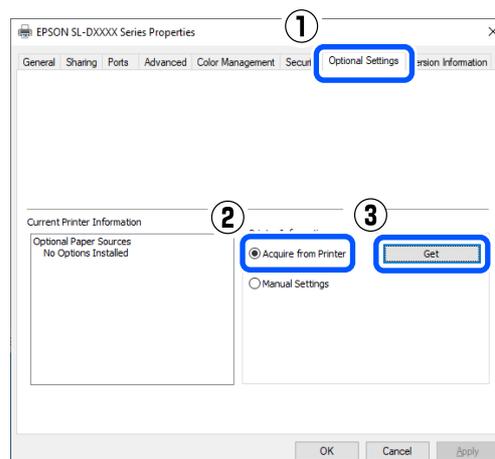
Basic Printing Methods (Windows)

(4) Confirm that **Cassette** is displayed in **Optional Paper Sources** for **Current Printer Information**, and then click **OK**.
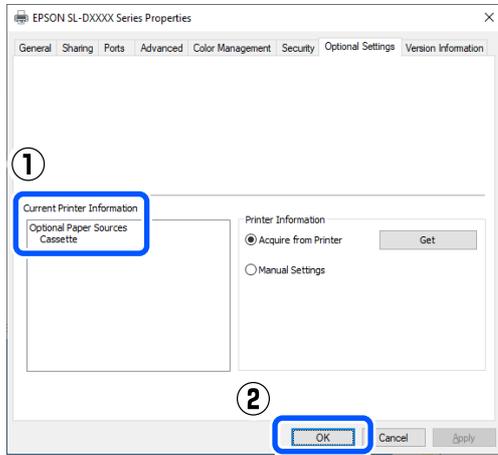
2 Start Adobe Photoshop 2021, and open an image.

3 Click **Image** - **Image Size**, in this order.

The **Image Size** screen is displayed.
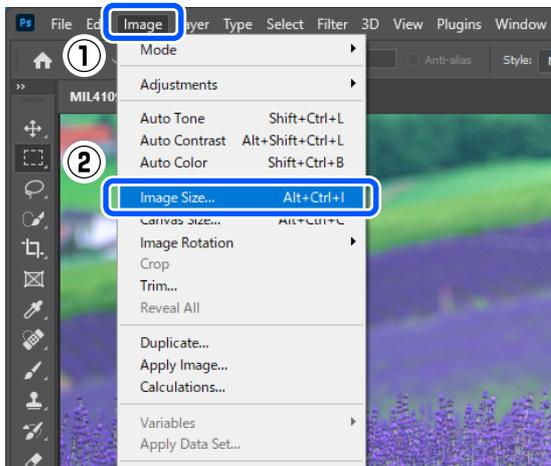
4 Set the Image Size and Resolution, and then click **OK**.

Select **Original Size** for **Fit To**, and then match the **Width** and **Height** to the size of the paper being printed.

Set the **Resolution**.

Setting the **Width** or **Height** changes **Fit To** to **Custom**.
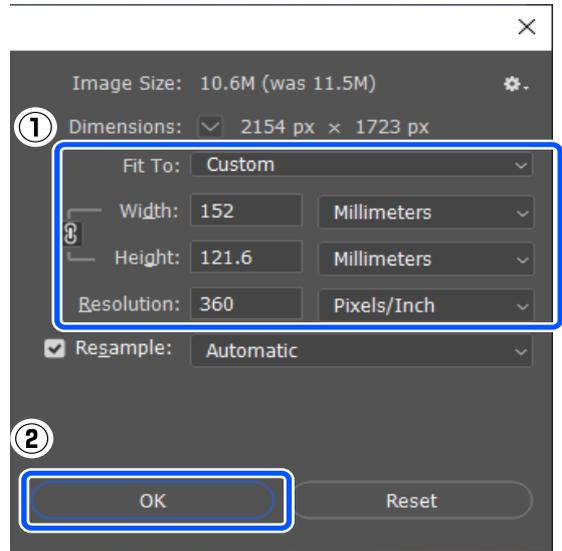
> **Note:**
> We recommend **Resolution** normally be set to 360 dpi.
>
> However, if all the following printing preferences are met, setting 720 dpi can produce very clear printouts.
>
> ❏ When **Finest Detail** is selected in the printer driver.
>
> ❏ When a setting other than **Draft** is set for **Print Quality** in the printer driver.
>
> ❏ When the paper length is less than 305 mm

5 Click **File** - **Print** in this order.

Basic Printing Methods (Windows)

The **Photoshop Print Settings** screen is displayed.
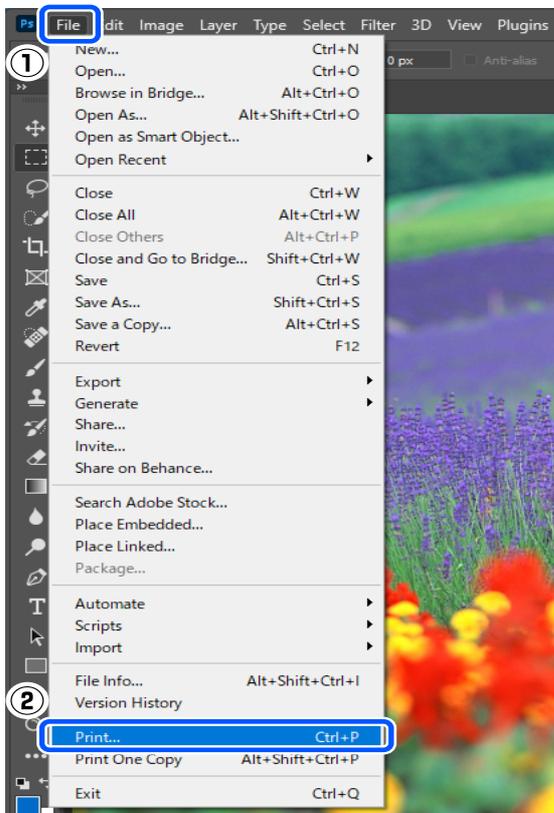
6   Select the printer in **Printer**, and then click **Print Settings**.

The Main screen of the printer driver is displayed.
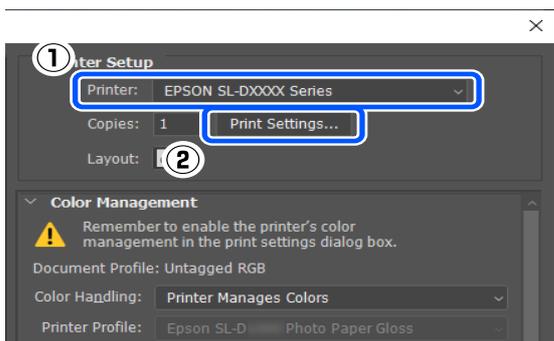
7   Set the various items in **Print Settings**.

❏ Media Type

Select the type of paper that is loaded in the printer.

❏ Print Quality

The print qualities that you can select vary depending on the type of paper that was selected.

Normally, set **Standard**. If you want to print with an emphasis on quality, set **High Quality**. If you want to print quickly, set **Draft**. When **Draft** is set, the printing speed is quicker, however the print quality may decline a little.
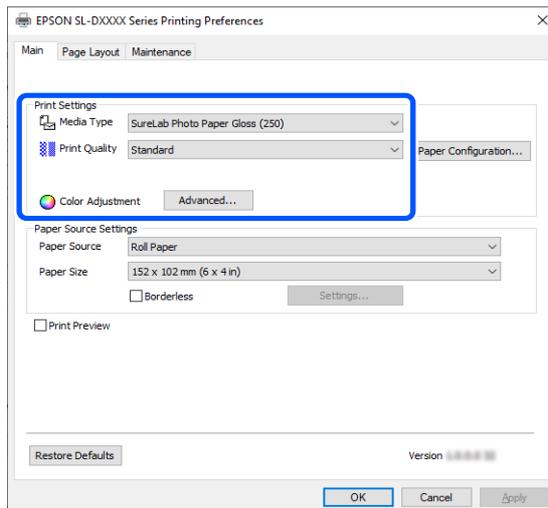
To do advanced settings according to your preferences for color management and color modes, click **Advanced**.

U "Color Management" on page 48

8   Set the various items in **Paper Source Settings**.

❏ Paper Source

Settings depend on the type of paper that was selected.

To print from the duplex feeder, select **Cassette**.

❏ Paper Size

Basic Printing Methods (Windows)

Select a size to print. Make sure this is the same as the image size you set in step 4.
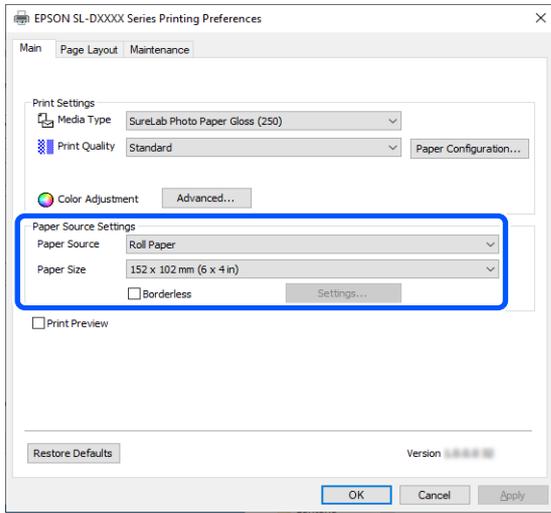
To print without borders (margins), select **Borderless**.

U "Borderless Printing on All Sides" on page 54

9   To do double-sided printing on cut sheets, click **Page Layout**, and set the binding position in **Double-Sided Printing**.

U "Double-Sided Printing" on page 58
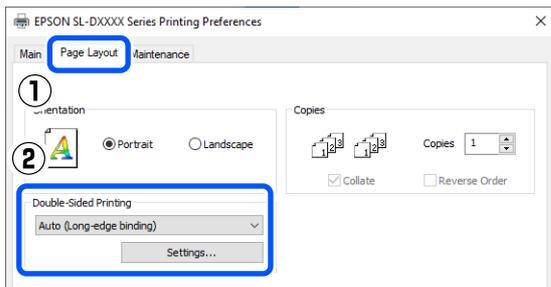
10   Click **OK**.

11   Set each item, such as color management and print position, while checking the image displayed on the **Photoshop Print Settings** screen.
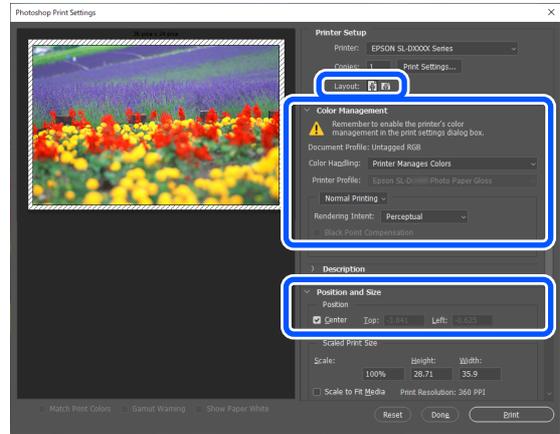
Note:
❏ *When the printer driver's **Color Adjustment** is set to **Color Controls**, select **Printer Manages Colors** in **Color Handling** in **Color Management**.*

❏ *When performing detailed color management using the Photoshop functions, set **Color Management** according to the conditions.*

See the following for more details on color adjustment.

U *"Color Management" on page 48*

12   Click **Print**.

Note:
If the image size is larger than the print size, the following screen is displayed.

*Click **Proceed**. If you click **Cancel**, printing is canceled and you are returned to the application's screen.*
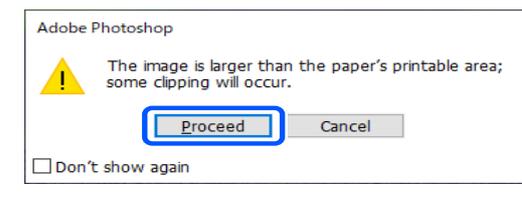
Print data is sent to the printer and printing starts.

How to Cancel Printing (from the Computer)

When the computer has finished sending data to the printer, you cannot cancel the print job from the computer. Cancel on the printer.

U "How to Cancel Printing (from the Printer)" on page 43

1   Click the printer icon on the taskbar.

Whether or not an icon is displayed depends on the settings selected for Windows.

2   Select the job you want to cancel, and then select **Cancel** from the **Document** menu.

To cancel all jobs, click **Cancel All Documents** in the **Printer** menu.

If the job has been sent to the printer, print data is not displayed on the above screen.

How to Cancel Printing (from the Printer)

Press the ⊘ button (stop button) on the control panel.

The print job is canceled even in the middle of printing. After cancelling, it may take a while before the printer returns to the ready status.

Basic Printing Methods (Mac)

This section explains how to print and how to cancel printing.

Printing is executed from application software on a computer connected to the printer.

See the following for more details on stopping printing.

U "How to Cancel Printing (from the Computer)" on page 47

How to Print from Photoshop

This section uses Adobe Photoshop 2021 as an example of how to print image data.

Operations may differ depending on the application software being used. See the manual supplied with the application for more details.

1   Turn on the printer, and load the paper to be used.

U "Basic Operations" on page 29

2   Start Adobe Photoshop 2021, and open an image.

3   Click **Image** - **Image Size**, in this order.

The **Image Size** screen is displayed.
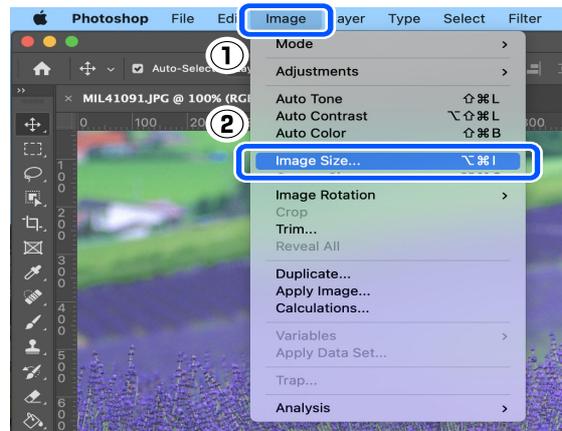
4   Set the Image Size and Resolution, and then click **OK**.

Select **Original Size** for **Fit To**, and then match the **Width** and **Height** to the size of the paper being printed.

Set the **Resolution**.

Setting the **Width** or **Height** changes **Fit To** to **Custom**.
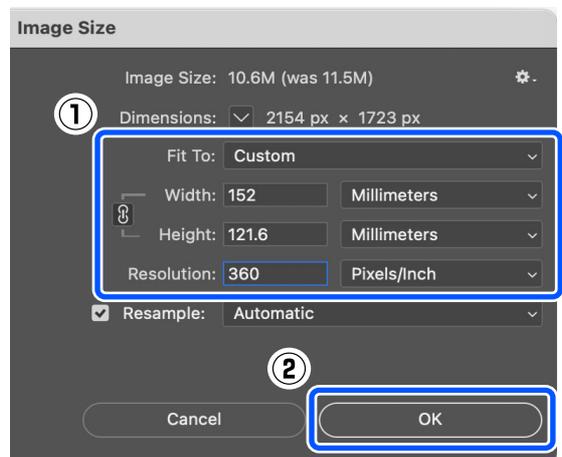
Basic Printing Methods (Mac)

Note:

*We recommend **Resolution** normally be set to 360 dpi.*

However, if all the following printing preferences are met, setting 720 dpi can produce very clear printouts.

❏ *When **Finest Detail** is selected in the printer driver.*

❏ *When a setting other than **Draft** is set for **Print Quality** in the printer driver.*

❏ *When the paper length is less than 305 mm*

5   Click **File** - **Print** in this order.

The **Photoshop Print Settings** screen is displayed.
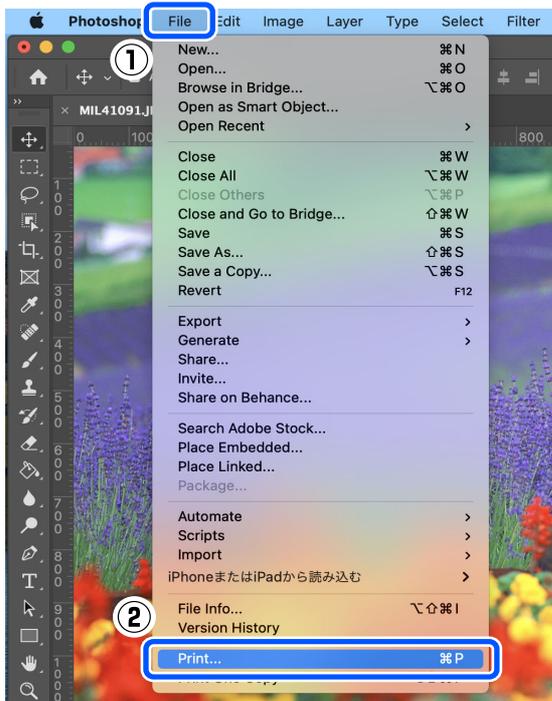
6   Select the printer in **Printer**, and then click **Print Settings**.

The Print screen is displayed.
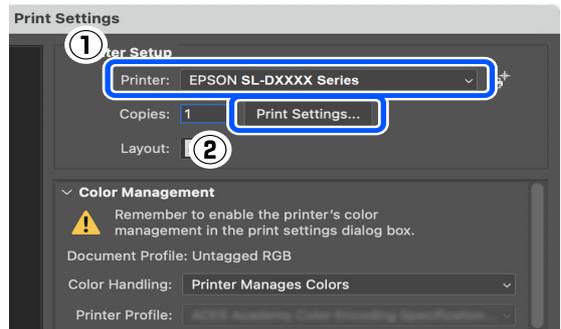
7   Make the necessary settings.

You can set the Media Type and Print Quality by selecting **Print Settings** in the pop-up menu.

❏ Paper Size

Select a size to print. Make sure this is the same as the image size you set in step 4.

❏ Media Type

Select the type of paper that is loaded in the printer.

❏ Print Quality

The print qualities that you can select vary depending on the type of paper that was selected.

Basic Printing Methods (Mac)

Normally, set **Normal**. If you want to print with an emphasis on quality, set **High Quality**. If you want to print quickly, set **Draft**. When **Draft** is set, the printing speed is quicker, however the print quality may decline a little.
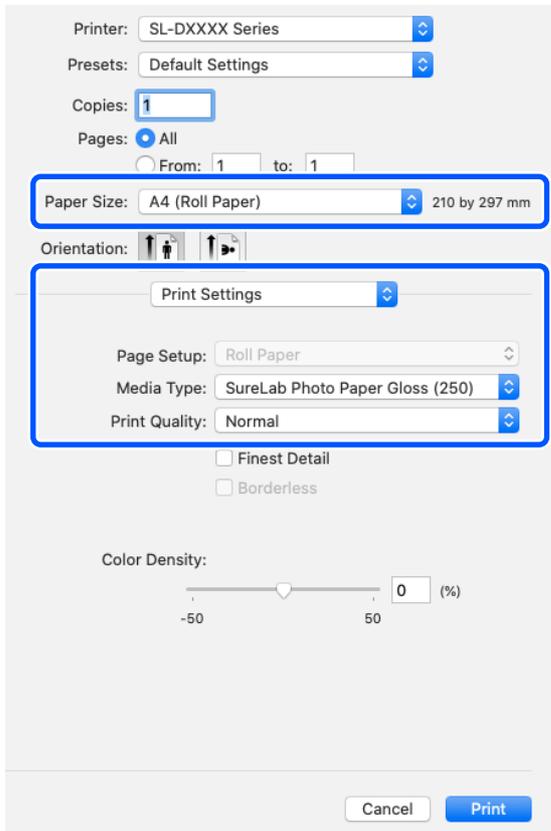
To print without borders (margins), select a paper size for borderless printing in **Paper Size**.

8   To do two-sided printing on cut sheets, select **Two-sided Printing Settings** in the pop-up menu, and set the binding position in **Two-sided Printing**.
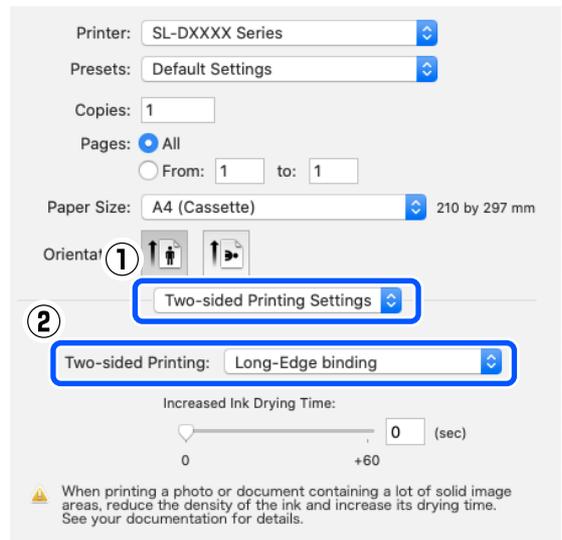
9   Click **Print**.

10   Set each item, such as color management and print position, while checking the image displayed on the **Photoshop Print Settings** screen.
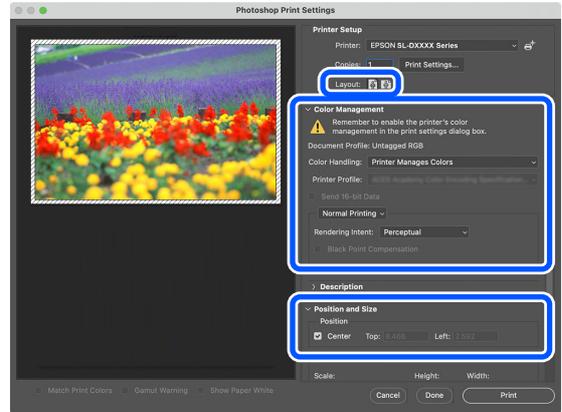
Note:
❏ *When the printer driver's color adjustment is set to **Manual Settings**, select **Printer Manages Colors** in **Color Handling** in **Color Management**.*

❏ *When performing detailed color management using the Photoshop functions, set **Color Management** according to the conditions.*

See the following for more details on color adjustment.

11 Click **Print**.

Print data is sent to the printer and printing starts.

How to Cancel Printing (from the Computer)

When the computer has finished sending data to the printer, you cannot cancel the print job from the computer. Cancel on the printer.

U "How to Cancel Printing (from the Printer)" on page 47

1 Click the printer icon in the Dock.

2 Select the print data you want to cancel, and then click[×].
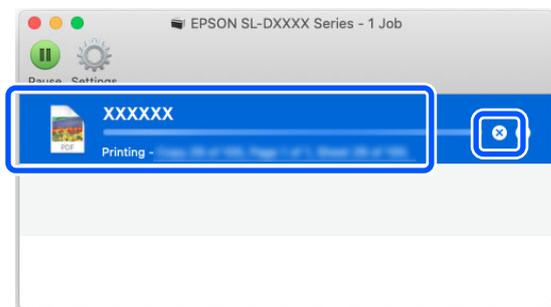
If the job has been sent to the printer, print data is not displayed on the above screen.

How to Cancel Printing (from the Printer)

Press the ⬙ button (stop button) on the control panel.

The print job is canceled even in the middle of printing. After cancelling, it may take a while before the printer returns to the ready status.

Note:
You cannot delete print jobs which are in the print queue on the computer using the above operation. See "How to Cancel Printing (from the Computer)" in the previous section to delete print jobs from the print queue.

Printing Using Various Print Functions

Color Management

Color Management Settings

When printing on the printer, you can select from the following color correction methods.

Choose the best method according to the application you are using, the operating system environment, and the aim of the printout.

Setting colors manually

Manually adjust the color space and color tone settings used for printing. Use this option when the application in use does not have a color correction function.

U "Setting Colors Manually" on page 48

Color management from the application (no color management)

This method is for printing from applications that support color management. All color management processes are carried out by the application's color management system. This method is used when you want to obtain the same color management results using a common application among different operating system environments.

U "Color Management from the Application (No Color Management)" on page 51

Color management from the printer driver

The printer driver uses the operating system's color management system and carries out all color management processes. This is used when you want to produce similar print results from different applications under the same operating systems. However, to do this, you also need an application that supports color management.

U "Color Management from the Printer Driver (ICM) (Windows)" on page 52

U "Color Management from the Printer Driver (ColorSync) (Mac)" on page 53

Setting Colors Manually

You can select one of the following color correction modes. In addition, you can fine tune the brightness, contrast, saturation, and color balance, while looking at a preview image.

❏ sRGB: Optimizes the sRGB space and corrects the color. This should normally be selected.

❏ Adobe RGB: Optimizes the Adobe RGB space and corrects the color. Select when printing image data using the Adobe RGB color space information.

Settings on Windows

1 When using applications featuring a color management function, specify how to adjust colors from these applications.

When using applications without a color management function, start from step 2.

When using the following applications, select the **Printer Manages Colors** color management option.

❏ Adobe Photoshop CS6 or later

❏ Adobe Photoshop Elements 11 or later

❏ Adobe Photoshop Lightroom 5 or later

In other applications, set **No Color Management**.

Printing Using Various Print Functions

Example of Adobe Photoshop 2021
The **Photoshop Print Settings** screen opens.

Select **Color Management**, then select **Printer Manages Colors** in **Color Handling**.

2   Display the printer driver's **Main** screen.

When using Adobe Photoshop 2021, click **Print Settings** to display the printer driver's **Main** screen.

3   Click **Advanced** in **Color Adjustment**.

4   Select **Color Controls** in **Color Management**.

The setting items are displayed on the **Color Correction** screen.

5   Select **Color Mode**.

❏   sRGB

Manages colors using sRGB. Prints at the optimum color tones. This should normally be selected.

❏   Adobe RGB

Manages colors based on the larger Adobe RGB color space. Select when printing image data using the Adobe RGB color space information.
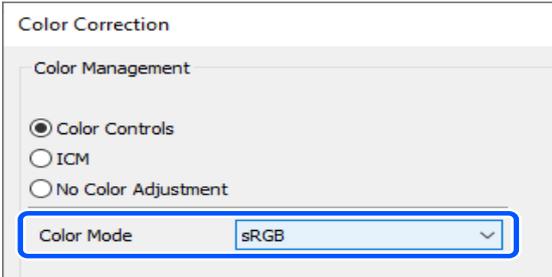
6   Set the various items, and then click **OK**.

❏   Color Adjustment Method

Select the color adjustment method.

By selecting **Color Circle**, you can click on the color circle to adjust the colors and move the density slide bar to adjust the density.

By selecting **Slide Bar**, you can move the slide bar of each color to adjust the colors.

❏   Brightness

Printing Using Various Print Functions

Adjusts the brightness of the image.

❏ Contrast

Adjusts the contrast (difference between light and dark) of the image.

When the contrast is raised, bright sections become brighter, and dark sections become darker. When the contrast is lowered, the difference between light and dark sections decreases.

❏ Saturation

Adjusts the saturation (color clarity) of the image.

When the saturation is raised, colors become vivid. When the saturation is lowered, the colors become dull until they are close to gray.
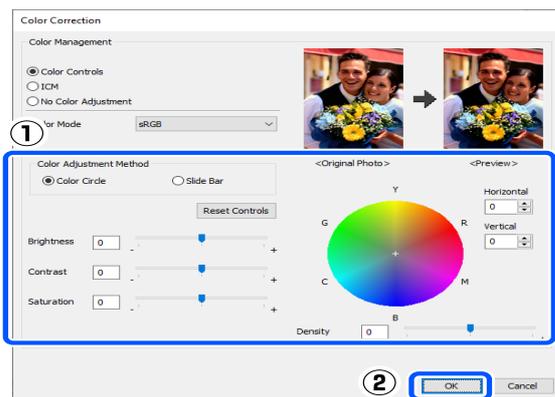
Note:
You can adjust the colors while checking the sample image on the right side of the screen.

7   Set other items if necessary, and then print.

Settings on Mac

1   When using applications featuring a color management function, specify how to adjust colors from these applications.

When using applications without a color management function, start from step 2.

When using the following applications, select the **Printer Manages Colors** color management option.

❏ Adobe Photoshop CS6 or later

❏ Adobe Photoshop Elements 12 or later

❏ Adobe Photoshop Lightroom 5 or later

In other applications, set **No Color Management**.

Note:
For information on supported platforms, see the website for the application in question.

Example of Adobe Photoshop 2021
The **Photoshop Print Settings** screen opens.

Select **Color Management**, then select **Printer Manages Colors** in **Color Handling**.

2   Display the Print screen.

When using Adobe Photoshop 2021, click **Print Settings** to display the print screen.

Printing Using Various Print Functions

3   Select **Color Matching** from the pop-up menu, and then select **EPSON Color Controls**.
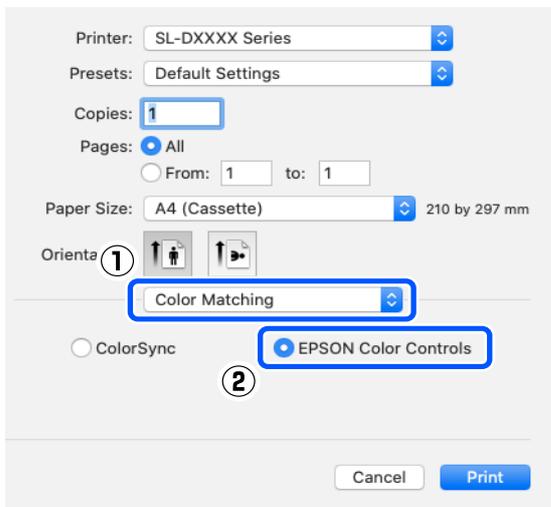
> *Note:*
> *EPSON Color Controls will not be available in the following applications if step 1 is omitted.*
>
> ❏   *Adobe Photoshop CS6 or later*
>
> ❏   *Adobe Photoshop Elements 12 or later*
>
> ❏   *Adobe Photoshop Lightroom 5 or later*

4   Select **Color Options** from the pop-up menu, and then select **Manual Settings**.
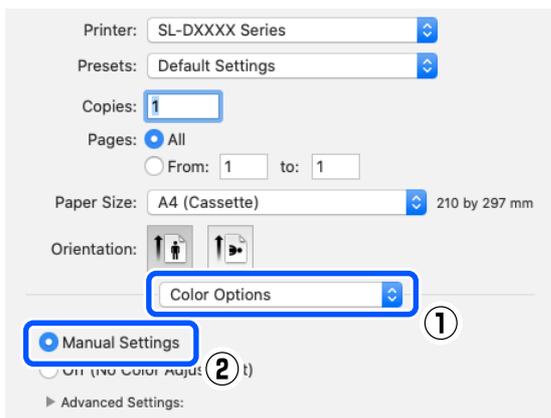
5   Click ▶ for **Advanced Settings**, and then set the various items and click **Print**.

❏   Brightness

    Adjusts the brightness of the image.

❏   Contrast

    Adjusts the contrast (difference between light and dark) of the image.

    When the contrast is raised, bright sections become brighter, and dark sections become darker. When the contrast is lowered, the difference between light and dark sections decreases.

❏   Saturation

    Adjusts the saturation (color clarity) of the image.

    When the saturation is raised, colors become vivid. When the saturation is lowered, the colors become dull until they are close to gray.

❏   Cyan, Magenta, Yellow

    Move the slide bar of each color to adjust the colors.
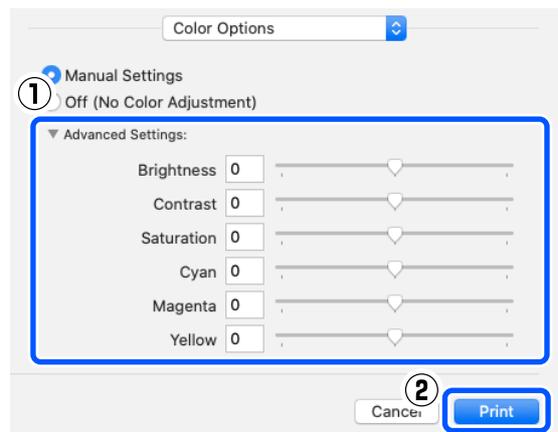
> *Note:*
> *You can adjust the colors while checking the sample image on the left side of the screen.*

6   Set other items if necessary, and then print.

Color Management from the Application (No Color Management)

Print using applications with a color management function. Enable the color management settings in the application and disable the printer driver's color adjustment function.

Printing Using Various Print Functions

1   Make the settings for color adjustment using the application.

Example of Adobe Photoshop 2021
The **Photoshop Print Settings** screen opens.

Select **Color Management**, then select **Photoshop Manages Colors** in **Color Handling**, and then select **Printer Profile** and **Rendering Intent**.
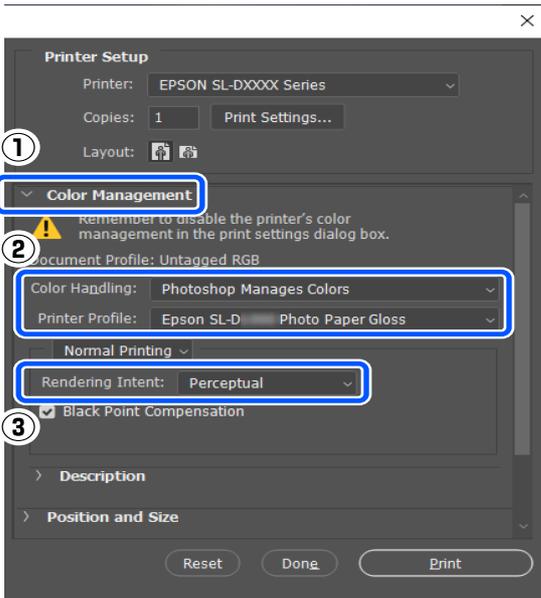
> *Note:*
> *If you are not using an original printer profile, select a profile for the paper type being used from* ***Printer Profile****.*

2   Display the printer driver's settings screen (Windows) or Print screen (Mac).

When using Adobe Photoshop 2021, click **Print Settings** to display the various screens.
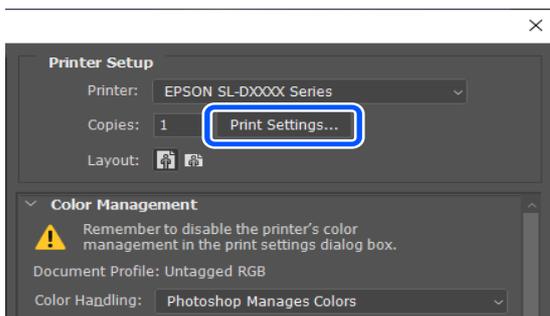
3   Set color management to off.

For Windows
(1) Click **Advanced** in **Color Adjustment** in the **Main** screen.
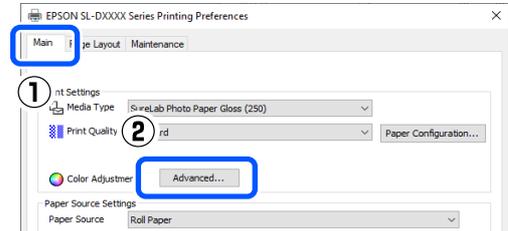
(2) In **Color Management**, select **No Color Adjustment**, and then click **OK**.
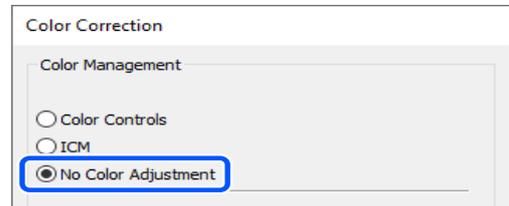
For Mac
Select **Color Options** from the pop-up menu, and then select **Off** (**No Color Adjustment**).
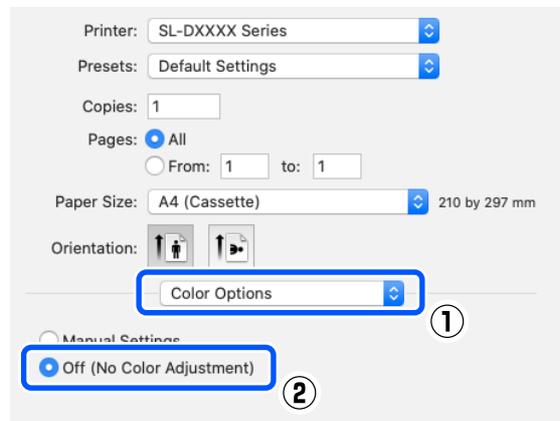
4   Set other items if necessary, and then print.

Color Management from the Printer Driver (ICM) (Windows)

Performs color management from the printer driver. An ICC profile that supports the paper type set in the printer driver is automatically selected for doing color adjustment.

Printing Using Various Print Functions

1   When using applications featuring a color management function, specify how to adjust colors from these applications.

When using applications without a color management function, start from step 2.

When using the following applications, select the **Printer Manages Colors** color management option.

❏   Adobe Photoshop CS6 or later

❏   Adobe Photoshop Elements 11 or later

❏   Adobe Photoshop Lightroom 5 or later

In other applications, set **No Color Management**.

> *Note:*
> *For information on supported platforms, see the website for the application in question.*

Example of Adobe Photoshop 2021
The **Photoshop Print Settings** screen opens.

Select **Color Management**, then select **Printer Manages Colors** in **Color Handling**.

2   Display the printer driver's **Main** screen.

When using Adobe Photoshop 2021, click **Print Settings** to display the printer driver's **Main** screen.

3   Click **Advanced** in **Color Adjustment**.

4   In **Color Management**, select **ICM**, and then click **OK**.
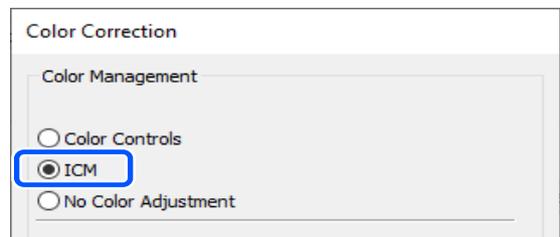
5   Set other items if necessary, and then print.

Color Management from the Printer Driver (ColorSync) (Mac)

Performs color management from the printer driver. The application needs to support ColorSync. When performing color management using ColorSync, use image data in which an input profile is embedded.

> *Note:*
> *Depending on the application, color management printing by **ColorSync** may not be supported.*

Printing Using Various Print Functions

1 Make the settings for color adjustment using the application.

When using the following applications, select the **Printer Manages Colors** color management option.

- ❏ Adobe Photoshop CS6 or later

- ❏ Adobe Photoshop Elements 12 or later

- ❏ Adobe Photoshop Lightroom 5 or later

In other applications, set **No Color Management**.

> *Note:*
> *For information on supported platforms, see the website for the application in question.*

Example of Adobe Photoshop 2021
The **Photoshop Print Settings** screen opens.

Select **Color Management**, then select **Printer Manages Colors** in **Color Handling**.

2 Display the Print screen.

When using Adobe Photoshop 2021, click **Print Settings** to display the print screen.
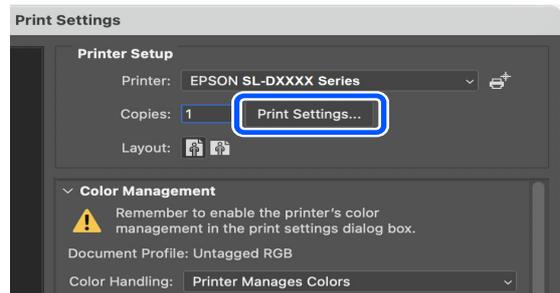
3 Select **Color Matching** from the pop-up menu, then select **ColorSync**, and then select **Profile**.
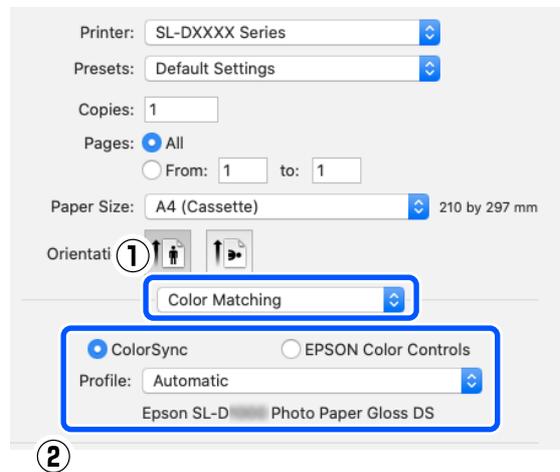
4 Set other items if necessary, and then print.

Borderless Printing on All Sides

You can print your data without margins on the paper.

Types of Borderless Printing Methods

You can perform borderless printing using the following two methods: Auto Expand or Retain Size.

For simple borderless printing, we recommend Auto Expand. To prevent the printer driver from enlarging your image, we recommend Retain Size.

Printing Using Various Print Functions

Auto Expand

The printer driver enlarges the print data to a size slightly larger than the paper size and prints the enlarged image. The sections which are beyond the paper edges are not printed; therefore, resulting in borderless printing.

Use settings such as Page Layout in the applications to set the size of the image data as follows.

❏ Match the paper size and page setting for the print data.

❏ If the application has margin settings, set the margins to 0 mm.

❏ Make the image data as large as the paper size.
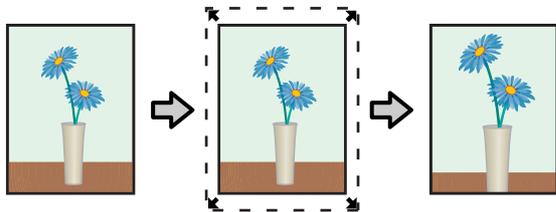
Retain Size

Create the print data larger than the paper size in the applications to produce borderless output. The printer driver does not enlarge the image data. Use settings such as Page Layout in the applications to set the size of the image data as follows.

❏ Set the page layout to extend 0.09 inches (2.3 mm) beyond the actual paper size on all four edges.

❏ If the application has margin settings, set the margins to 0 mm.

❏ Make the image data as large as the paper size.
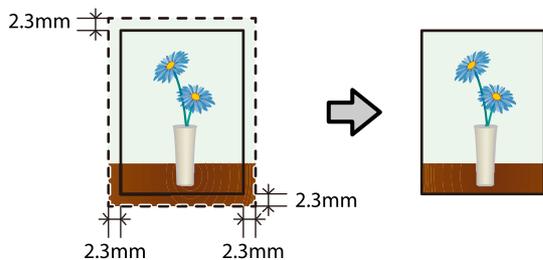
Setting Procedure

Settings on Windows

1 Open the printer driver's **Main** screen, and set the various settings required for printing, such as **Media Type**, **Print Quality**, **Paper Source**, and **Paper Size**.

   See the following for how to display the **Main** screen.
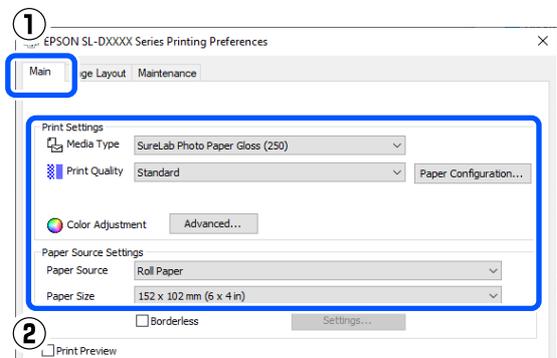
2 Select **Borderless**, and then click **Settings**.
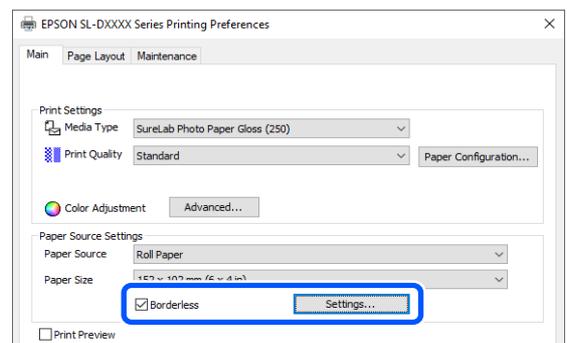
3 Select **Auto Expand** or **Retain Size** as the **Method of Enlargement**, and then click **OK**.

Printing Using Various Print Functions

When **Auto Expand** is selected, set the slider to set the amount of enlargement.
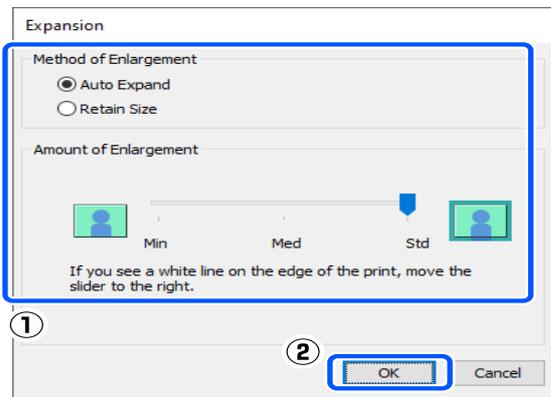
> *Note:*
> *Moving the slider towards **Med** or **Min** decreases the image enlargement ratio. Therefore, some margins may appear at the edges of the paper depending on the paper and printing environment.*

4   Set other items if necessary, and then print.

Settings on Mac

1   Open the Print screen and in **Paper Size** select the paper size and a borderless printing method.

See the following for how to display the Print screen.

The selections for borderless printing methods are displayed as shown below.

XXXX (Roll Paper - Borderless (Auto Expand))

XXXX (Roll Paper - Borderless (Retain Size))

XXXX (Manual - Borderless (Auto Expand))

XXXX (Manual - Borderless (Retain Size))

XXXX (Cassette - Borderless (Auto Expand))

XXXX (Cassette - Borderless (Retain Size))

Where XXXX is the actual paper size, such as A4.
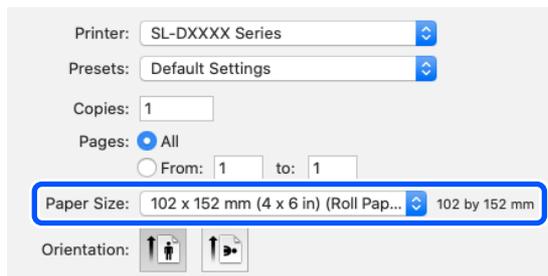
2   When Auto Expand is selected in Paper Size, select **Print Settings** in the pop-up menu, and then select the **Expansion**.
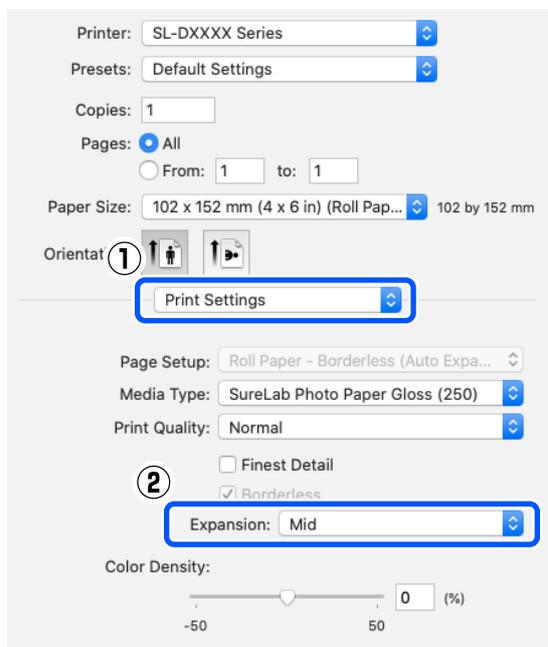
> *Note:*
> *Moving the slider towards **Mid** or **Min** decreases the image enlargement ratio. Therefore, some margins may appear at the edges of the paper depending on the paper and printing environment.*

3   Set other items if necessary, and then print.

Printing on Paper of Non-Standard Sizes

You can print on paper sizes not included in the printer driver.

Printing Using Various Print Functions

The paper sizes you can set are shown below.

Roll Paper

Width *	3.5, 4, 5, 6, 8, 8.26 inches (89.0, 101.6, 127.0, 152.4, 203.2, 210.0 mm)
Length	1.96 to 39.3 inches (50 to 1,000 mm)

*Although you can set 3.5 to 8.26 inches (89 to 210 mm) in Mac, paper sizes that are not supported by this printer cannot be printed correctly.

Cut sheet

Width	Printing with margins: 3.5 to 8.26 inches (89 to 210 mm) Borderless printing: 3.5, 4, 5, 6, 8, 8.26 inches (89.0, 100.0, 101.6, 127.0, 152.4, 203.0, 210.0 mm)
Length	Single-sided printing: 5.8 to 39.3 inches (148 to 1000 mm) Double-sided printing: 15.8 to 11.7 inches (48 to 297 mm)

> ❗ **Important:**
> *Output sizes may be restricted by the application being used for printing.*

Settings on Windows

1. Open the printer driver's **Main** screen, and then select **Media Type** and **Paper Source**.

    See the following for how to display the **Main** screen.

    ☞
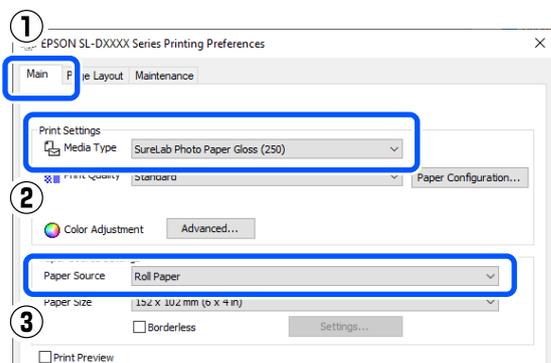
2. Select **User-Defined** for **Paper Size**.
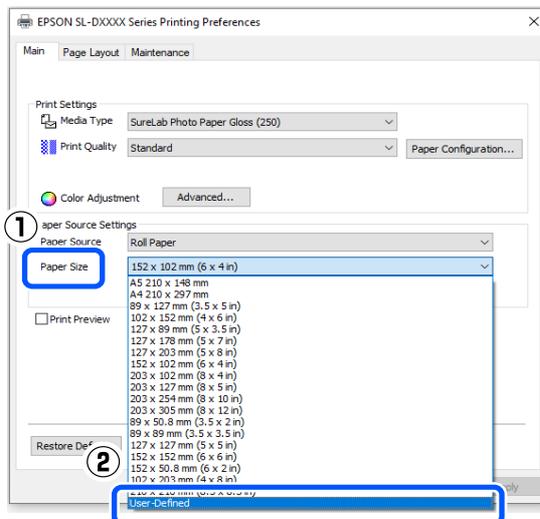
3. On the **User-Defined Paper Size** screen, enter **Paper Size Name**, set a paper size to use, and then click **Save**.
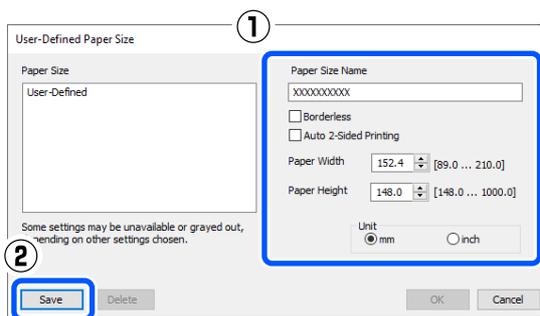
    > **Note:**
    > ❏ To change the information you saved, click the Paper Size Name in the list on the left side of the screen.
    >
    > ❏ To delete a paper you saved, select the Paper Size Name in the list on the left side of the screen, and then click **Delete**.
    >
    > ❏ You can save up to 30 paper sizes.

4. Click **OK**.

    You can now select the saved paper size from **Paper Size** in the **Main** screen.

    You can now print as normal.

Settings on Mac

1   Open the Print screen, and select **Manage Custom Sizes** for **Paper Size**.

See the following for how to display the Print screen.
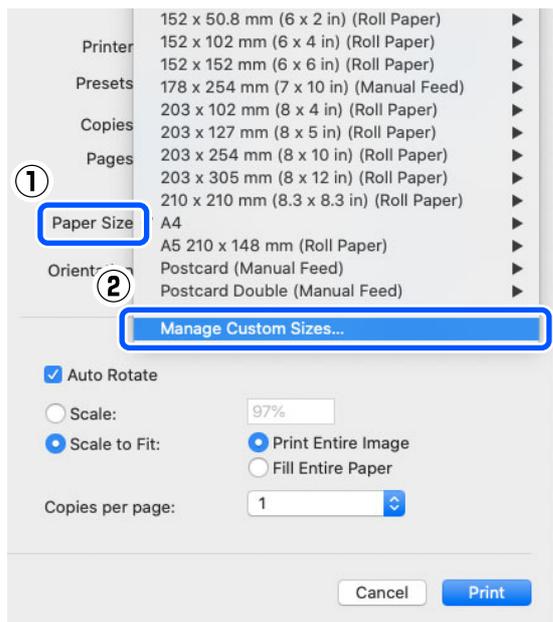
2   Click +, and then enter a name for the paper size.
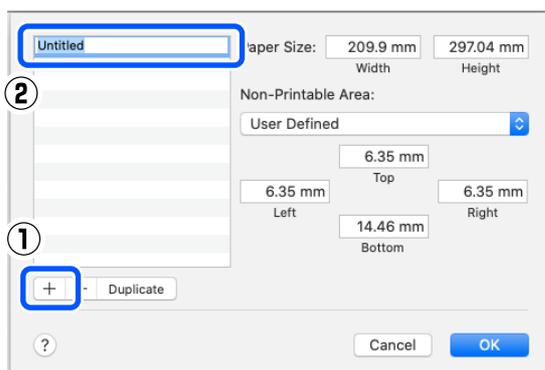
3   Enter the **Width** and **Height** for the **Paper Size** as well as the margins.

Set the page size range and the margin sizes according to what can be specified for the printing method.
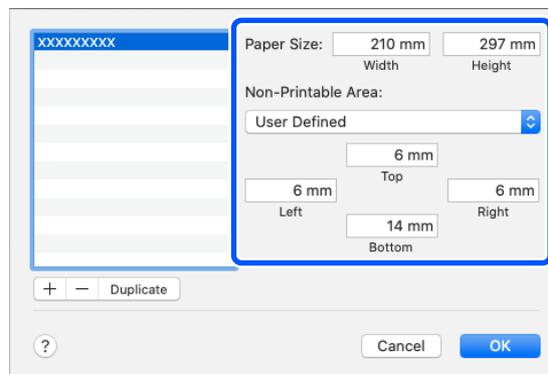
Note:
❏ *To edit saved information, click the paper size name from the list on the left side of the custom paper sizes screen.*

❏ *To copy a saved paper size, select the paper size name in the list on the left side of the screen, and then click **Duplicate**.*

❏ *To delete a saved paper size, select the paper size name in the list on the left side of the screen, and then click –.*

❏ *The custom paper size setting differs depending on the operating system version. See your operating system's documentation for details.*

4   Click **OK**.

You can select the paper size you saved from the **Paper Size** pop-up menu.

You can now print as normal.

Double-Sided Printing

You can print on both sides of cut sheets. Double-sided printing is automatic, so that after the front side is printed the back side is printed automatically.

Note:
❏ *Double-sided printing cannot be done on roll paper.*

❏ *Paper jams may occur if you load thick cut sheets in landscape orientation.*

Printing Using Various Print Functions

Settings on Windows

1. Load the paper to be used in the paper feed unit or the optional duplex feeder.

   U "How to Load Cut Paper" on page 36

2. Open the printer driver's **Main** screen, and then set the paper type for the cut sheets that you loaded in step 1 in **Media Type**.

   See the following for how to display the **Main** screen.

   U "Basic Printing Methods (Windows)" on page 39
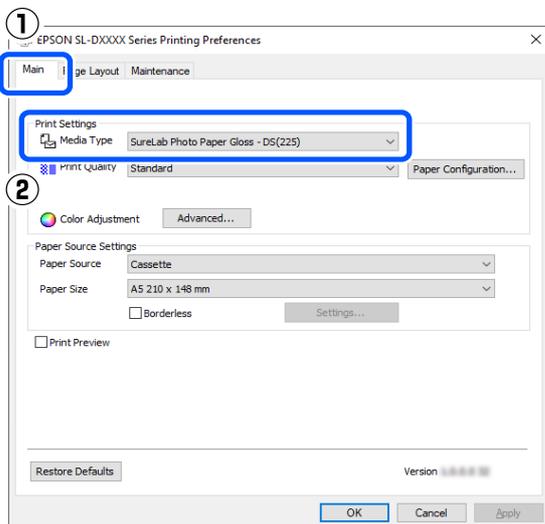
3. Do the settings needed for printing, such as **Print Quality** and **Paper Size**, and then select **Rear Paper Feed Slot** or **Cassette** for the **Paper Source**.
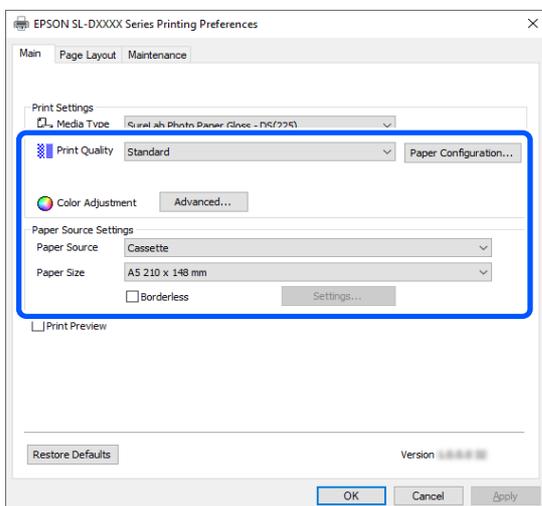
4. Select **Page Layout**, and then select the binding position in **Double-Sided Printing**.
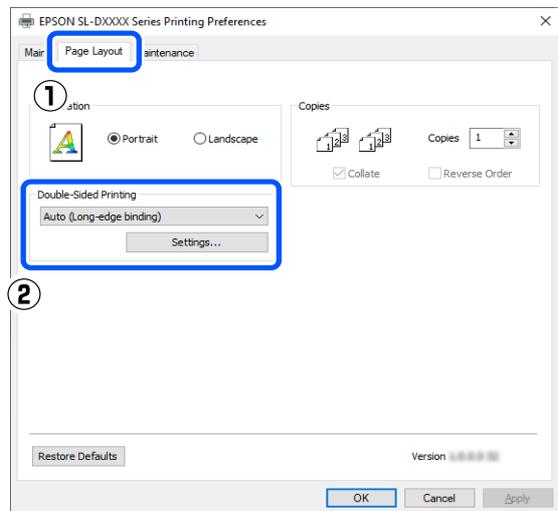
   Note:
   *If you notice scratching or the transfer of ink to the back side of other sheets of paper in the print results, click **Settings** and set additional drying time.*
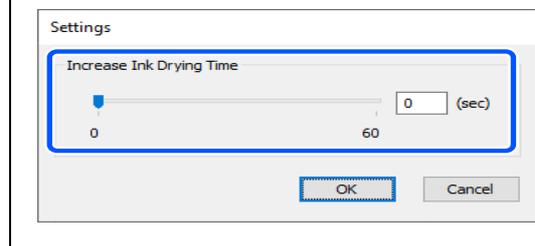
5. Set other items if necessary, and then print.

Settings on Mac

1. Load the paper to be used in the paper feed unit or the optional duplex feeder.

   U "How to Load Cut Paper" on page 36

2. Open the print screen, and then set the source and paper size of the cut sheets that you loaded in step 1 in **Paper Size**.

   See the following for how to display the Print screen.

Printing Using Various Print Functions
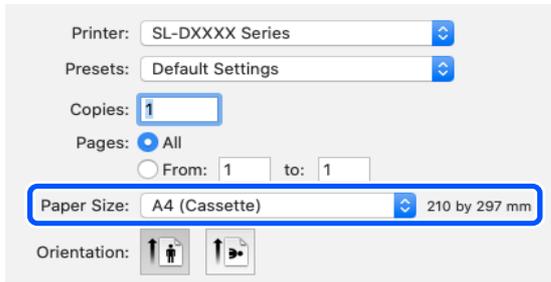
3 Select **Print Settings** in the pop-up menu, and then do the settings needed for printing, such as **Media Type** and **Print Quality**.
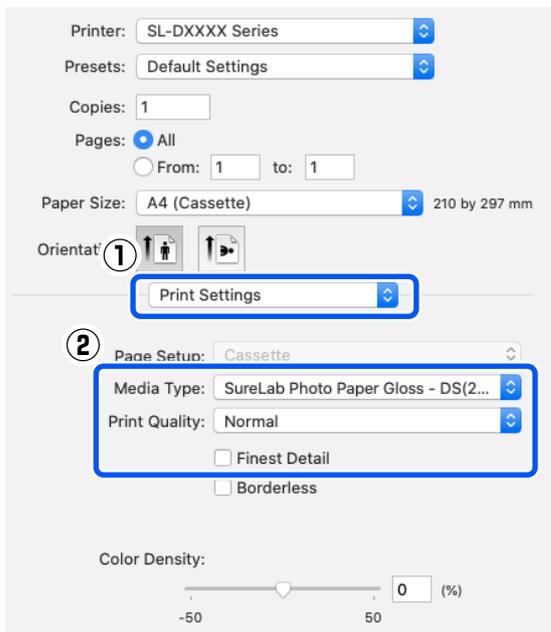
4 Select **Two-sided Printing Settings** in the pop-up menu, and set the binding method in **Two-sided Printing**.
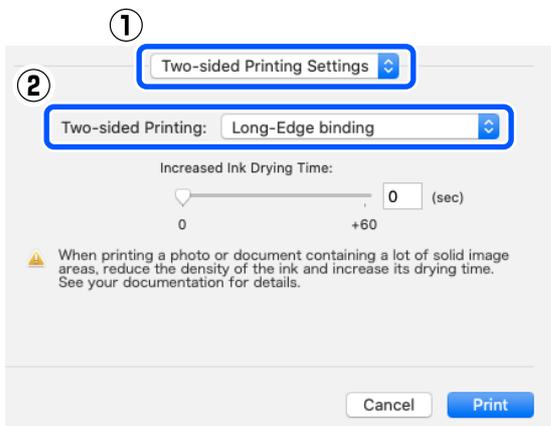
Note:
*If you notice scratching or the transfer of ink to the back side of other sheets of paper in the print results, set **Increased Ink Drying Time**.*

5 Set other items if necessary, and then print.

Printing from Smart Devices

You can print photos and text from a smart device, such as a smartphone or tablet.
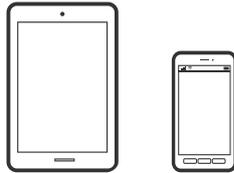
Printing Photos Using Epson Smart Panel

Note:
Operations may differ depending on the device.

1 Load paper in the printer.

   U "Basic Operations" on page 29

2 Set up your printer for wireless printing.

3 If Epson Smart Panel is not installed, install it.

   U "Introducing the Software" on page 23

4 Connect your smart device to the same wireless network as your printer.

5 Start Epson Smart Panel.

6 Select the print photo menu on the home screen.

7 Select the photo you want to print.

8 Start printing.

Printing Documents Using Epson Smart Panel

Note:
Operations may differ depending on the device.

1 Load paper in the printer.

   U "Basic Operations" on page 29

2 Set up your printer for wireless printing.

3 If Epson Smart Panel is not installed, install it.

   U "Introducing the Software" on page 23

4 Connect your smart device to the same wireless network as your printer.

5 Start Epson Smart Panel.

6 Select the print document menu on the home screen.

7 Select the document you want to print.

8 Start printing.

Printing from Smart Devices

Use AirPrint

AirPrint enables instant wireless printing from iPhone, iPad, iPod touch, and Mac without the need to install drivers or download software.

Note:
If you disabled paper configuration messages on your product control panel, you cannot use AirPrint. See the link below to enable the messages, if necessary.

1   Load paper in the printer.

2   Set up your printer for wireless printing.

3   Connect your smart device to the same wireless network as your printer.

4   Print from your device to your printer.

Note:
For details, see the AirPrint page on the Apple website.

Related information

U "Cannot print from smart device even though it is connected (iOS)" on page 160

U "Basic Operations" on page 29

Printing Using Mopria Print Service

Mopria Print Service enables instant wireless printing from Android smart phones or tablets.

1   Install Mopria Print Service from Google Play.

2   Load paper in the printer.

U "Basic Operations" on page 29

3   Set up your printer for wireless printing.

4   Connect your smart device to the same wireless network as your printer.

5   Print from your device to your printer.

Note:
For more details, access the Mopria Web site at https://mopria.org.

Printing from Cloud Services

By using Epson Connect service available on the Internet, you can print from your smart phone, tablet PC, or laptop, anytime and practically anywhere. To use this service, you need to register the user and the printer in Epson Connect.
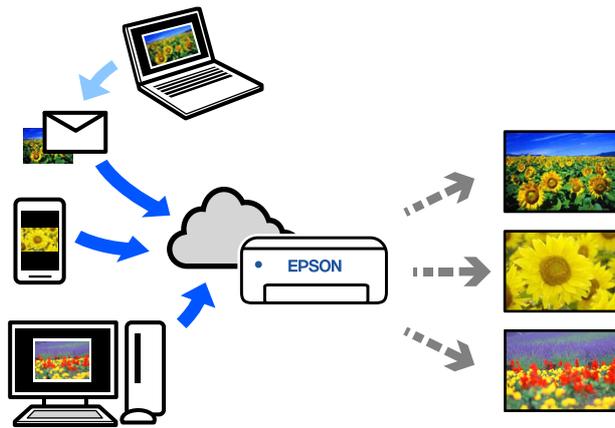
The features available on the Internet are as follows.

❏ Email Print

When you send an email with attachments, such as documents or images that you want to print, to the email address assigned to the printer, you can print the email and attached files. You can print on your printer from remote locations.

❏ Remote Print Driver

This is a shared driver supported by Remote Print Driver. When printing using a printer in a remote location, you can print by changing the printer on the usual applications window.

See the Epson Connect web portal for details on how to setup or print.

https://www.epsonconnect.com/

Note:
When printing from a cloud service, printing is supported only on the following standard sizes using roll paper.

❏ *Email Print: 3.5 x 5 in (9 x 13 cm), 4 x 6 in (10 x 15 cm)*

❏ *Remote Print: A4 210 x 297 mm, 3.5 x 5 in (9 x 13 cm), 4 x 6 in (10 x 15 cm), 5 x 7 in (13 x 18 cm), 8 x 10 in (20 x 25 cm)*

Registering to Epson Connect from the Control Panel

Follow the steps below to register the printer.

1 Load roll paper in the printer.

   U "Basic Operations" on page 29

2 Select **Settings** on the home screen.

   To select an item, use the ▲/▼ buttons to move, and then press the OK button.

3 Select **Epson Connect Services** - **Register/Delete**, in this order.

   To select an item, move the focus to the item using the ▲/▼/◀/▶ buttons, and then press the OK button.

4 Follow the on-screen instructions to do operations, and print a registration sheet.

   Continue printing without stopping printing when a paper size error appears on the control panel screen.

5 Follow the instructions on the registration sheet to register the printer.

Maintenance

List of Maintenance Items

See the following table for details on maintenance.

Contents	When to perform	Reference
Replacing ink supply units Replacing Maintenance Box	When a Remaining Alert is displayed on the control panel screen	⚙ "Replacing Ink Supply Units" on page 66 ⚙ "Replacing Maintenance Box" on page 67
Emptying the Scrap Paper Box	When Replacing Roll Paper	⚙ "Emptying the Scrap Paper Box" on page 69
Cleaning airflow vents	Once every 3 months	⚙ "Cleaning Airflow Vents" on page 70
Cleaning the platen and roll paper unit	When the Back of Printed Paper is Dirty	⚙ "Cleaning the Platen and Roll Paper Unit" on page 70
Cleaning Feed Rollers and Transfer Rollers in the Duplex Feeder (Option)	When paper feed trouble repeatedly occurs	⚙ "Cleaning and Replacing the Rollers in the Duplex Feeder (Option)" on page 72

Replacing feed rollers in the duplex feeder (option)	❏ When the type of paper that is loaded in the cassette is changed.
	❏ When paper feed trouble repeatedly occurs even after doing the following
	  ❏ Is the paper loaded correctly in the cassette?
	  ❏ Are you using the feed roller that is appropriate for the type of paper?
	  ❏ Have the feed rollers and transfer rollers been cleaned?
		⚙ "Cleaning and Replacing the Rollers in the Duplex Feeder (Option)" on page 72

Doing a Print Head Nozzle Check	❏ When checking if nozzles are clogged ❏ When checking which colors are clogged ❏ Horizontal stripes or tint unevenness (banding) have appeared	⚙ "Print Head Nozzle Check and Cleaning" on page 78
Cleaning the print head	When a clogged nozzle is found	⚙ "Print Head Nozzle Check and Cleaning" on page 78

The printer has other maintenance functions, that can be executed from the maintenance tool, than those mentioned above. See the following for more details.

⚙ "Using the Maintenance Tool (Windows)" on page 80

⚙ "Using the Maintenance Tool (Mac)" on page 95

Disposal of Used Consumables

Dispose of consumables and optional parts in accordance with your local laws and statutes, such as by entrusting them to an industrial waste disposal company. In such cases, submit the "Safety data sheet" to the industrial waste disposal company.

You can download it at your local Epson Web site.

Precautions Regarding Maintenance

> ⚠️ *Caustion:*
> - ❏ *Do not disassemble ink supply units or maintenance boxes.*
>
>   *Failure to observe this precaution could result in ink getting in your eyes or on your skin.*
>
> - ❏ *Do not shake the ink supply units too hard.*
>
>   *Ink may leak from the ink supply unit if you shake it or swing it around too hard.*
>
> - ❏ *Keep ink supply units and maintenance boxes out of reach of children.*
>
> - ❏ *If ink gets in the eyes or mouth, or stains the skin, treat the area as follows.*
>
> - ❏ If ink adheres to your skin, immediately wash it off using soapy water.
>
> - ❏ If ink enters your eyes, rinse immediately with water. Failure to observe this precaution could result in bloodshot eyes or mild inflammation. If you notice any abnormalities, consult a physician immediately.
>
> - ❏ If ink enters your mouth, consult a physician immediately.
>
> - ❏ *Do not touch any areas inside the printer except for those indicated in the manual. An electric shock or burn could occur.*
>
> - ❏ *Do not disassemble anything except when indicated to do so in the manual.*
>
> - ❏ *When opening and closing the covers, do not place your hands near the points where the main unit and the cover join. If your fingers or hands are trapped, an injury could occur.*
>
> - ❏ *When moving the roll paper unit in or out, grip the handle. If you place your hands into any other sections, either side of your hand or fingers could be injured.*

Maintenance

Replacing Ink Supply Units

> **Important:**
> ❏ *If you do not have a new ink supply unit for installation, leave the expended ink supply unit in the printer until the new one is ready. If the printer is left without an ink supply unit, it may malfunction.*
>
> ❏ *When the ink supply unit being used falls below the limit, replace it with a new ink supply unit as soon as possible.*
>
> ❏ *Do not leave the printer without ink supply units installed. The inks inside the printer may dry and you may not be able to print. When you are not using the printer, make sure there is an ink supply unit installed in each slot.*

1   Check that the power light is lit.

     If the power light is flashing, the printer is operating. Wait until all operations have stopped.

2   On the control panel, check which ink supply units need to be replaced.

3   Open the ink supply unit cover on the side to be replaced.

     When the cover is opened, the status light lights.

4   Push in the ink supply unit tray to pull it out.

5   Remove the ink supply unit.

     Lift up the handle and then remove it.
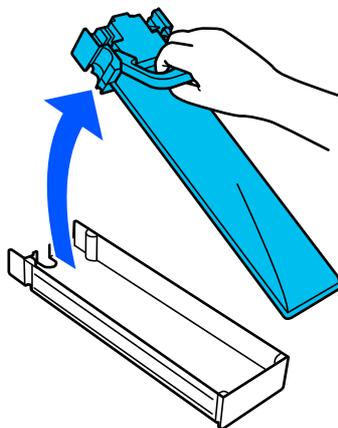
6   Remove the new ink supply unit from the box.
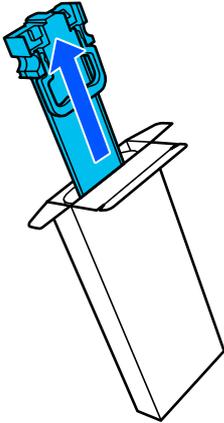
> **!** *Important:*
> *Do not touch the chip on the ink supply unit. You may not be able to print properly.*

7   Confirm the color of the label, and then put the ink supply unit tray back into the printer.

8   Close the ink supply unit cover.

9   Confirm that the status light is off.

Replacing Maintenance Box

The maintenance box is to absorb ink consumed when Print Head Cleaning is executed.

If a replace the maintenance box message appears, follow the steps below to replace it.

> **!** *Important:*
> *After removing the maintenance box, replace it immediately, do not leave the ink supply unit cover open.*

1   Check that the power light is lit.

   If the power light is flashing, the printer is operating. Wait until all operations have stopped.

2   Open the ink supply unit cover on the right side.

Maintenance

A warning buzzer sounds when you open the cover.

3   Remove the maintenance box slowly without tilting it.

Push up, and then pull it out.

See the following for more information on disposing of the maintenance box.

U "Disposal of Used Consumables" on page 65

4   Prepare a new maintenance box.

> ⚠ **Important:**
> *Do not touch the chip on the maintenance box. Doing so may prevent normal operation and printing.*
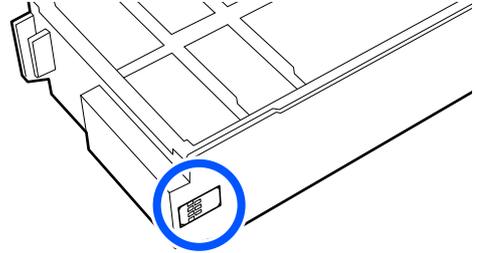
5   Insert the new maintenance box.

6   Close the ink supply unit cover.

7   Check that the power light has lit.

This completes this section.

Maintenance

Emptying the Scrap Paper Box

Scraps of paper cut during printing accumulate in the scrap paper box. You need to empty out the paper scraps before the box is full.

Check visually how much scrap paper has accumulated in the box. Be sure to dispose of scrap paper when you replace the roll paper.

1   Check that the power light on the printer is lit.

When the power light is flashing, the printer is operating. Wait until all operations have stopped.

2   Remove the scrap paper box.

When the scrap paper box is removed, the status light lights.

3   Empty out the scrap paper.

Turn over the scrap paper box to throw away the scrap paper that has collected in the box.

Maintenance

4   Attach the scrap paper box.

5   Confirm that the status light is off.

Cleaning Airflow Vents

Clean the airflow vent filter with a vacuum cleaner once every 3 months.

Cleaning the Platen and Roll Paper Unit

If the back of printed paper is dirty, paper dust (white dust) has accumulated on the platen and roll paper unit, making them dirty. Clean the platen and roll paper unit according to the procedure in the next section.

If you are using roll paper, clean the platen and the roll paper unit. If you are using cut sheets, clean the platen. Execute cleaning with the power on.

If you are using roll paper, remove the roll paper from the roll paper unit in advance.

> **❗ Important:**
> *Do not touch the rollers inside the printer. This could cause print outs to be soiled and so on.*

How to Clean the Platen

> **❗ Important:**
> *Do not touch any part of the platen except where instructed to clean. Otherwise, it may break down or reduce print quality.*
>
>

1   Remove the printer cover

Maintenance

(1) Open the rear paper feed slot cover.

(2) Slide the printer cover backwards, and then remove it.

2 Wipe off any dirt, such as paper dust, on the platen (the area outlined in blue in the illustration below) with a commercially available cotton swab.
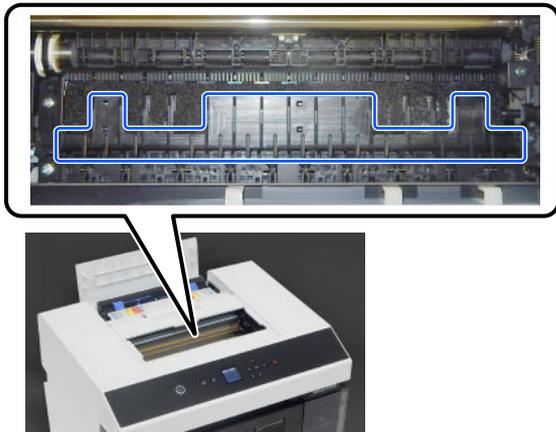
3 Wipe off any dirt, such as paper dust, that has accumulated on the ink absorbing areas (the area outlined in blue in the illustration below) with a commercially available cotton swab.

Be careful as you wipe the ink off the ink absorbing area so that the ink does not spread to any other areas.
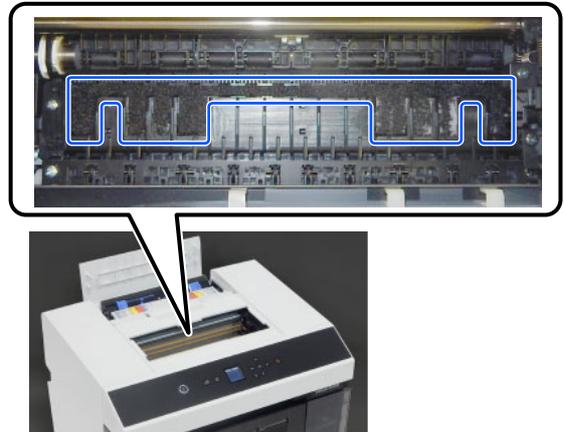
4 Install the printer cover in the reverse order of step 1.

How to Clean the Roll Paper Unit

1 Open the front plate inside the roll paper unit.

Place your finger in the hole at the bottom and lift to open.
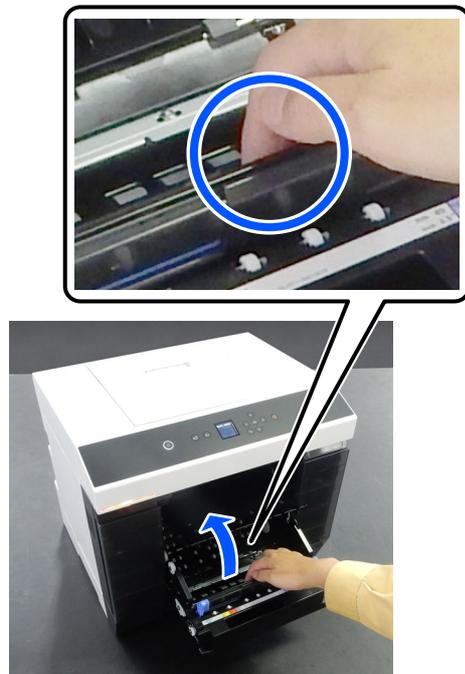
Maintenance

2   Use a vacuum cleaner to remove dirt, such as paper dust, that has collected in the locations shown in the illustration.
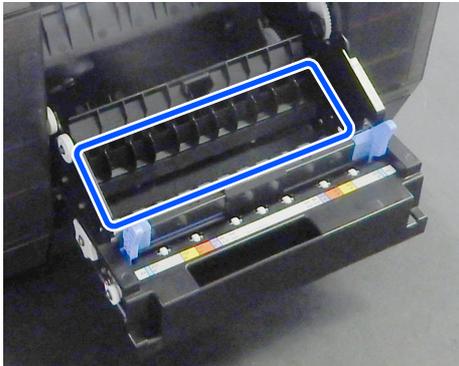
Use a vacuum cleaner that has a nozzle type head with no brush.

3   Replace the plate.

Press down until you hear it click into place.
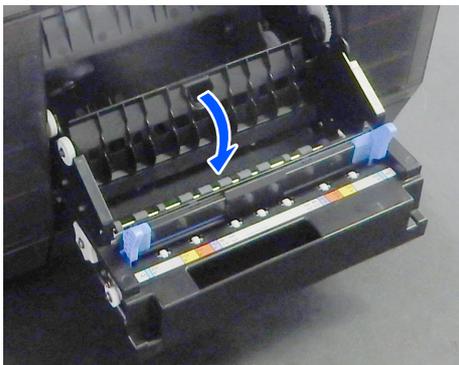
4   Reload the roll paper.

U "Installing the Spindle Unit" on page 33

Cleaning and Replacing the Rollers in the Duplex Feeder (Option)

The feed rollers and transfer rollers in the duplex feeder need the following maintenance depending on the state of the printer.

❏   Feed rollers: Clean or replace

❏   Transfer rollers: Clean

If they are not appropriately cleaned and replaced, paper feed trouble may occur. Follow the instructions below to do this.

Install the feed rollers when assembling the duplex feeder
The feed rollers are not installed when the duplex feeder is assembled. See the following to install the feed rollers before using the machine.

U "Replacing Feed Rollers" on page 72

Notes on Handling Rollers

Do not touch the roller surfaces of the paper feed rollers or transfer rollers.

Oil from your skin could stick to them and make printed materials dirty.

Replacing Feed Rollers

Types of Feed Rollers

The following A and B feed rollers are installed in the duplex feeder.

Maintenance
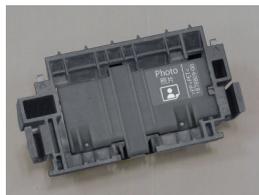
A   B

Also, there are 2 types of A feed roller, one for photo paper and one for card stock. See the following table to replace and use them according to the type of paper being used.

For photo paper   For card stock

Compatibility of paper types and feed rollers
Epson Special Media

Name of paper	Feed rollers
SureLab Photo Paper Gloss - DS(225)	For photo paper
SureLab Photo Paper Gloss - DS(190)	For photo paper
SureLab Photo Paper Luster - DS(225)	For photo paper
SureLab Photo Paper Luster - DS(190)	For photo paper

Other Commercially Available Paper

General name of paper	Feed rollers
Matte photo paper	For card stock
Glossy photo paper	For photo paper
Card stock	For card stock

When to replace

Replace the feed rollers at the following times.

When the type of paper being used is changed
If the A feed roller is not installed correctly, then paper feed problems and scratches on the back side of the paper may occur. Replace the feed rollers as appropriate, according to the table of compatibility of paper types and feed rollers. The B feed rollers do not need to be replaced.

When using paper other than Epson Special Media, paper feed problems may occur because of the paper, even if you follow the guidelines in the table of compatibility of paper types and feed rollers. Because of this, we recommend first printing some paper to confirm whether it feeds. If paper feed problems occur, install and use the other feed rollers.

Compatibility of paper types and feed rollers

When feed rollers reach the end of their service life
Faulty paper feeding, such as paper not feeding from the cassette, may occur when the feed rollers reach the end of their service life. If faulty paper feeding occurs repeatedly, even after doing the following, then replace both A and B feed rollers with new ones.

❏ Is the paper loaded correctly in the cassette?

❏ Are you using the feed roller that is appropriate for the type of paper?

❏ Have the feed rollers and transfer rollers been cleaned?

How to Load Paper in the Cassette

How to Clean the Feed Rollers and Transfer Rollers

How to Replace

1   Turn off the printer.

Maintenance

2 Move to the back, and open the cover of the duplex feeder.

3 Press on both sides of the A feed roller to remove it.
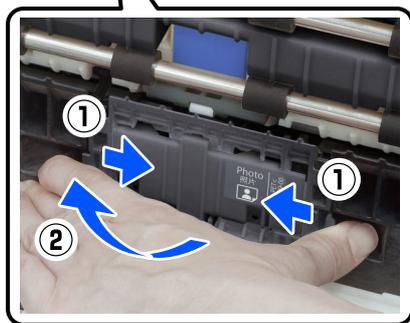
If you are replacing only the A feed roller, proceed to step 7.

4 Press in the button shown in the illustration.

The B feed roller comes out toward you.

5 Remove the B feed roller.
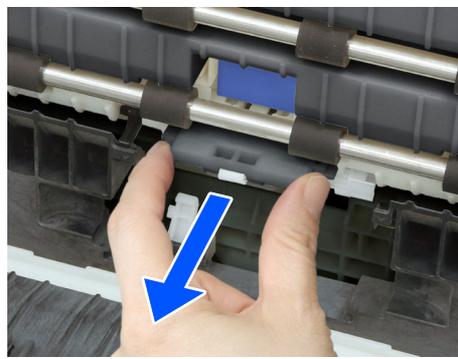
6 Orient the new feed roller as shown in the illustration, and insert it until it stops.

Maintenance

When you press it all the way in, the button you pressed in comes back out.
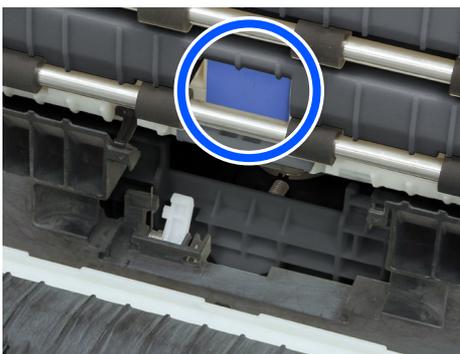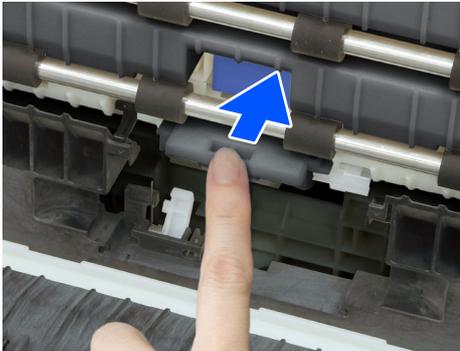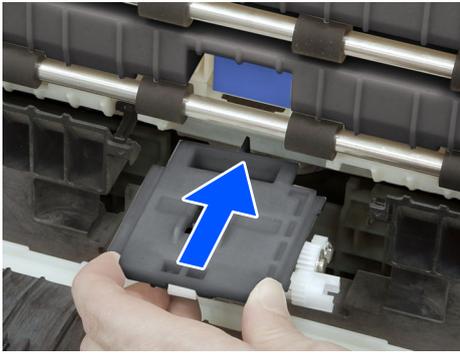
7 Align the triangle on top of the cover with the triangle on the printer and then insert the A feed roller and press on its lower part to install it.

Install a new feed roller if you are replacing the feed roller at the end of its service life.
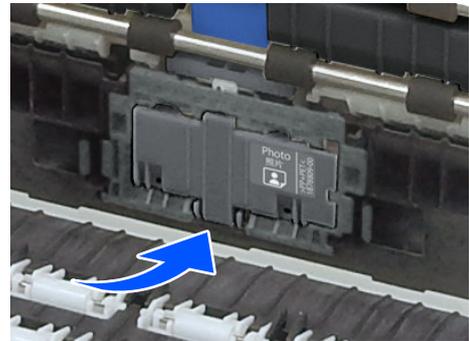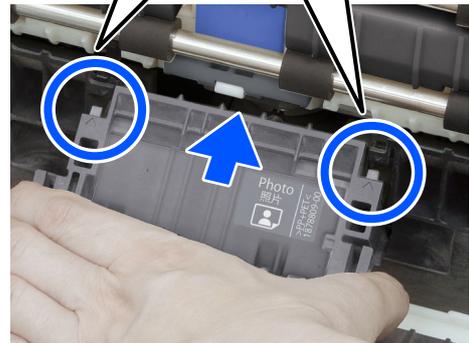
8 Close the cover of the duplex feeder.

9 Move to the front, and turn on the printer.

10 If you are replacing it at the end of its service life, then, in the control panel screen, select **Settings** - **Maintenance**, and execute **Reset Counter**.

The amount that has been fed from the cassette is reset. You can confirm the amount that has been fed from the cassette in Maintenance Tool.

Cleaning the Feed Rollers and Transfer Rollers

When to clean

Clean the feed rollers and transfer rollers together at the following times.

When paper feed trouble repeatedly occurs and one of the following messages is displayed on the control panel screen

❏ **Paper jammed in Inside. Remove the jammed paper.**

❏ **Paper jammed in Cassette. Remove it.**

The paper feed trouble described above may occur if the feed rollers or transfer rollers are dirty, such as with paper dust. Clean the rollers according to the next section.

See the following for details on troubleshooting paper feed trouble.

U "When Paper Jams" on page 144

Item Prepared

Use a soft commercially available cloth to clean the rollers. Prepare this in advance. We recommend using a cloth that is low-lint and anti-static.

How to Clean the Feed Rollers

1 Remove the A and B feed rollers.

See the following for the removal procedure.

U "Replacing Feed Rollers" on page 72

2 Use a soft cloth that has been dipped in water and carefully wrung out to wipe any dirt, such as paper dust, off of the feed rollers.

> **!** *Important:*
> *Do not wipe the rollers with a dry cloth.*
>
> *This could scratch the surface of the rollers.*

A feed roller
Wipe off any dirt stuck to the surface of the roller in the illustration.
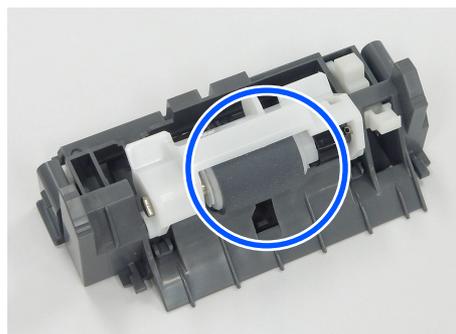
B feed roller
Wipe off any dirt stuck to the surfaces of the rollers ❶ and ❷ in the illustration.

The ❸ roller does not need to be wiped.
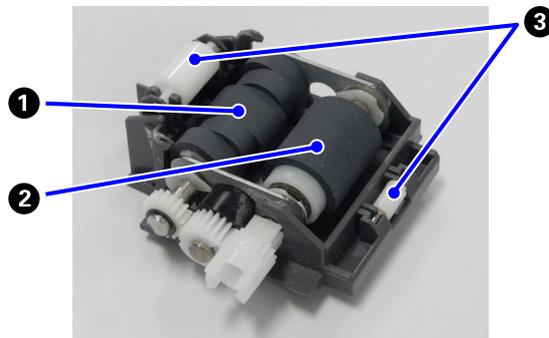
Rotate both rollers ❶ and ❷ to wipe their entire surfaces. Rotating the part shown in the illustration rotates the rollers.
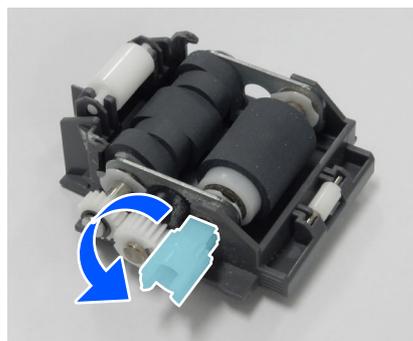
The ❶ roller has a combination of different cross-sectional shapes. Wipe off the surfaces that protrude, indicated by ▭ in the illustration. The places that do not protrude do not contact the paper when feeding, so they do not need to be wiped.
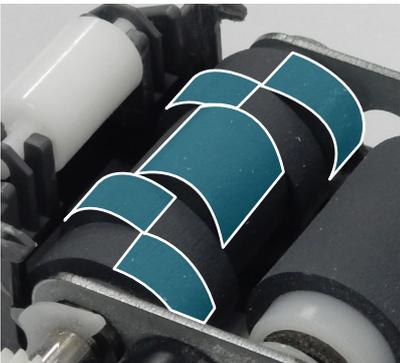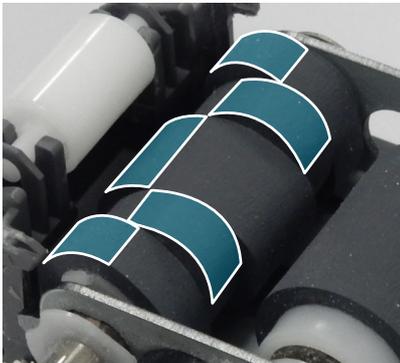
3 Leave the A and B feed rollers for a short time so their surfaces dry, and then install them in the duplex feeder.

See the following for the installation procedure.

U "Replacing Feed Rollers" on page 72

Continue to the next section to clean the transfer rollers.

How to clean the transfer rollers

1 Confirm that the printer's power is turned off and the cover of the duplex feeder is open.

2 Use a soft cloth that has been dipped in water and carefully wrung out to wipe any dirt, such as paper dust, off of the transfer rollers.

> **!** *Important:*
> *Do not wipe the rollers with a dry cloth.*
>
> *This could scratch the surface of the rollers.*

❏ Wipe the surface of all 16 rollers shown in the image.
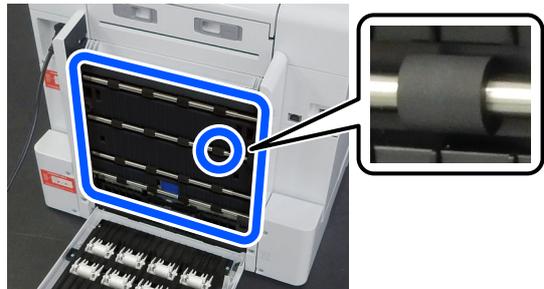
❏ Rotate the metal shafts of the rollers to spin the rollers to wipe their entire surfaces.
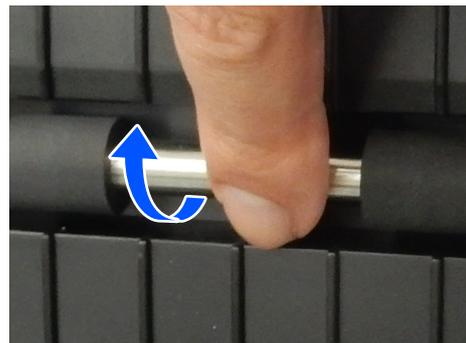
❏ Besides paper dust, dirt that is difficult to check visually, such as the residue of paper coatings, could be stuck to the surface of the rollers. Do not just wipe off the paper dust, carefully wipe the entire circumference of the rollers. Also, always wipe with a clean part of the cloth.

3 Leave the rollers alone for a short time so their surfaces dry, and then close the cover of the duplex feeder.

Maintenance Functions That Can Be Executed from the Printer

Print Head Nozzle Check and Cleaning

If the nozzles are clogged, the printouts become faint, or banding may appear. The printer has an auto nozzle check function that automatically detects clogged nozzles and does Print Head Cleaning or prints by using normal nozzles to compensate for clogged nozzles. Because of this, you do not need to regularly do manual cleaning or Print Head Nozzle Check.

The auto nozzle check function is set from Maintenance Tool.

U "Using the Maintenance Tool (Windows)" on page 80

U "Using the Maintenance Tool (Mac)" on page 95

If you do not use the auto nozzle check function, follow the procedure below to execute a Print Head Nozzle Check if there are problems with print quality or when you want to check for clogged nozzles. If the nozzles are clogged, clean the print head.

> *Note:*
> ❏ *When ink is low, you may not be able to do cleaning.*
> ❏ *If the clogs are not cleared after repeating Print Head Cleaning about three times, then execute Powerful Cleaning.*
>
> U *"Powerful Cleaning" on page 79*
>
> *If the clogs are not cleared after doing Powerful Cleaning, contact your dealer or Epson Support.*

1 Load paper in the location set in **Printer Setup** - **Paper Source Settings** - **Paper path for maintenance printing**.

U "Basic Operations" on page 29

2 Select **Settings** - **Maintenance** on the home screen.

To select an item, move the focus to the item using the ▲/▼/◄/► buttons, and then press the OK button.

3 Select **Print Head Nozzle Check**.

4 Follow the on-screen instructions to print a nozzle check pattern.

5 Look at the printed pattern to check for print head nozzles that are clogged.
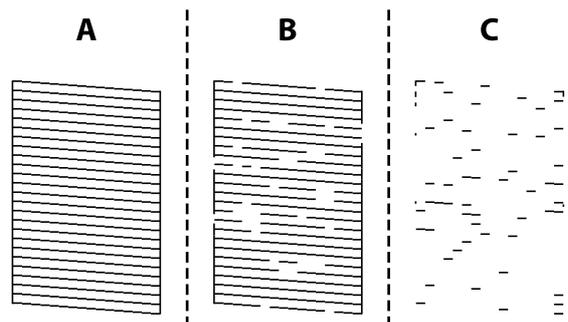
❏ Same as A:
All lines are printed. Select **No**. No further steps are needed.

❏ Close to B:
Some nozzles are clogged. Select **Yes**, check the messages, and then select **Cleaning**.

❏ Close to C:
If most lines are missing or not printed, this indicates most nozzles are clogged. Select **Yes**, press the OK button to proceed to the next screen, and then select **Powerful Cleaning**.

6 Follow the on-screen instructions to execute Print Head Cleaning or Powerful Cleaning.

7 When cleaning is finished, the nozzle check pattern is printed again. Repeat checking and cleaning until all the lines in the nozzle check pattern are printed.

Powerful Cleaning

Executing Powerful Cleaning may improve quality in the following cases.

❏ When most nozzles are clogged.

❏ Clogs are not cleared even after doing Print Head Cleaning three times

Note:
Powerful Cleaning consumes more ink than normal cleaning.

1 Load paper in the location set in **Printer Setup** - **Paper Source Settings** - **Paper path for maintenance printing**.

U "Basic Operations" on page 29

2 Select **Settings** - **Maintenance** on the home screen.

3 Select **Powerful Cleaning**.

4 When cleaning is finished, the nozzle check pattern is printed again. Check whether all of the lines in the nozzle check pattern were printed correctly.

Using the Maintenance Tool (Windows)

This section explains how to use Maintenance Tool by starting it from the computer connected to the printer.

Summary of the Maintenance Tool

From your computer you can perform adjustment and maintenance operations such as checking the printer's status, making settings, performing head cleaning and so on.

When multiple printers are connected to a single computer, you can operate multiple printers at one time.

Starting and Closing

Starting

On the computer, click **Start** - Applications List - **EPSON** - **EPSON SL-D1000 Series Maintenance Tool** in this order.
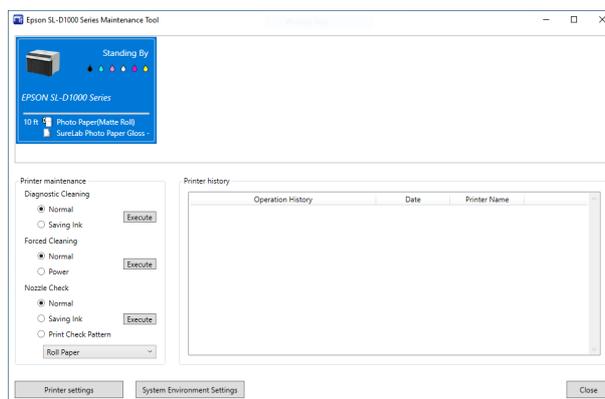
> *Note:*
> *You can also start it by clicking* **Maintenance Tool** *in the* **Maintenance** *tab of the printer driver screen.*

Closing

Click **Close** at the bottom-right of the screen.

Explanation of the Main Screen

The following main screen appears when you start Maintenance Tool.

The configuration and functions of the main screen are shown below.

	Item		Functions
❶	Printer list area		Displays a list of printers that are connected to the computer.
		Status	Displays the printer's status.
		🌢🌢🌢🌢🌢🌢	Displays the ink level for each color. The following is shown for each color of ink. 🌢 : No problems with ink levels. ⚠ : New ink supply unit needs to be prepared because remaining ink level is low. ❌ : Remaining ink level is below the minimum value. Replace with a new ink supply unit. Or, an error has occurred. Check the printer history (❺) and clear the error.
		Printer Name	Displays the printer name.
		Paper Remaining/Paper Type	The paper sources are shown by the following icons. 🗍 : Roll Paper 🗋 : Duplex feeder Information about the paper that is currently loaded is shown to the right of the icon. For roll paper, the remaining amount of paper is shown to the left of the icon.

Using the Maintenance Tool (Windows)

	Item		Functions
❷	Printer maintenance		The following maintenance functions can be executed for the printer selected in the printer list area (❶).
		Diagnostic Cleaning	Detects clogged nozzles and automatically performs cleaning.
			U "Diagnostic Cleaning" on page 91
		Forced Cleaning	Performs manual cleaning.
			U "Forced Cleaning" on page 92
		Nozzle Check	Checks for clogged nozzles.
			A nozzle check pattern can also be printed.
			U "Nozzle Check Methods" on page 89
			U "Print Nozzle Check Pattern Method" on page 90
❸	Printer settings button		A screen for setting printer operations, Auto Nozzle Check Settings, and adjusting the printer is displayed.
			U "Explanation of the Printer settings" on page 82
❹	System Environment Settings button		A screen for saving log files and status sheets is displayed.
			U "Explanation of the System Environment Settings Screen" on page 88
❺	Printer history		Shows a history of settings and maintenance executed from Maintenance Tool and information about errors that occur on printers that are connected to the computer.
			This operation history is not retained at the next startup, it is deleted automatically when you exit Maintenance Tool.

Explanation of the Printer settings

Clicking on **Printer settings** in the main screen displays the following Printer settings screen.

Using the Maintenance Tool (Windows)

The configuration and functions of the Printer settings screen are shown below.

	Item	Functions
❶	Printer list area	Displays a list of printers that are connected to the computer.
		The settings of the items indicated by the following icons can be changed in the **Printer settings** tab.
		◂), ☾, 🖶, 📄, ♨
		U "Printer settings tab" on page 84
	Printer Name	Displays the printer name.
	Status	Displays the printer's status.
	◂)	Indicates the state of the warning buzzer settings.
	☾	Indicates the sleep mode threshold.
	🖶	Indicates the state of Quick Print Mode settings.
	📄	Indicates the state of Remaining Paper Management settings.
	♨	Indicates the state of Heater setting.
	Serial number	Displays the printer's serial number.
	Paper information	The paper sources are shown by the following icons.
		⌻: Roll Paper
		⬜ : duplex feeder
		Information about the paper that is currently loaded is shown to the right of the icon.
		For roll paper, the remaining amount of paper is shown to the right of the paper information.

	Item	Functions
❷	Tabs and information display area	The following three types of tabs are displayed.
	Printer settings tab	You can set the printer's various operations. ⏎ "Printer settings tab" on page 84
	Auto Nozzle Check Settings tab	You can set the various settings related to auto nozzle checks. ⏎ "Auto Nozzle Check Settings tab" on page 86
	Paper Setting tab	You can adjust the printer, such as **Print Head Alignment** and **Paper Feed Adjustment**. ⏎ "Paper Settings tab" on page 87

Printer settings tab

The configuration and functions of the **Printer settings** tab in the Printer settings screen are shown below.
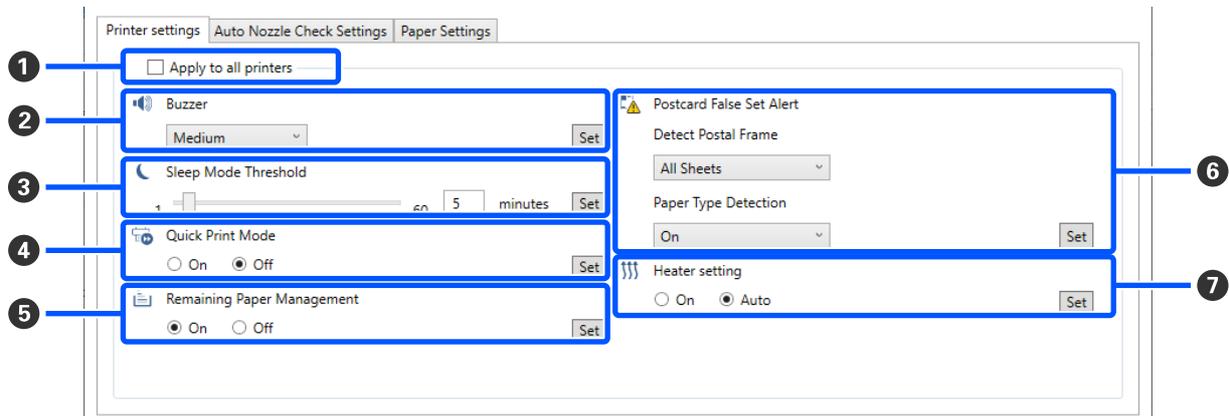
After changing the settings in items ❷ to ❼, the changes are applied for each item by clicking **Set**.

	Item	Functions
❶	Apply to all printers	By selecting this, the results of settings changed in ❷ to ❼ are batch applied to all printers displayed in the printer list area at the top of the screen. Select this and then change the settings in ❷ to ❼, and then click **Set** for each item.
❷	Buzzer	Set volume of and whether to sound the warning buzzer.
❸	Sleep Mode Threshold	Set the time before switching to Sleep Mode. If an error has not occurred on the printer and no print jobs have been received for the specified length of time, the printer automatically switches to Sleep Mode.

Using the Maintenance Tool (Windows)

	Item	Functions
❹	Quick Print Mode	Set whether to enable/disable Quick Print Mode.
		Quick Print Mode is a mode that increases print speed by shortening the drying time when printing one sheet at a time.
		We recommend using this when printing one sheet at a time such as for an event.
		Be sure to note the following points.
		❑ Do not stack printouts as the drying time is shorter.
		❑ Depending on the paper type, color may be uneven or ink may be smudged. If this occurs, set Quick Print Mode to **Off**.
❺	Remaining Paper Management	Set whether to enable/disable Remaining Paper Management.
		When this is **On**, information, such as the paper type and remaining paper, is printed as a barcode on the leading edge of the roll paper.
❻	Postcard False Set Alert	Set whether, when printing postcards, to detect the type and orientation of the postcard paper loaded on the printer, and to then send a notification.
		The following shows the setting items.
	Detect Postal Frame	Detects the orientation and print side of postcards loaded in the printer and sends notification if they are judged incorrect according to the postcard paper type set on the printer's control panel.
		When **First Sheet** is set, only the orientation of the first postcard loaded on the printer is detected.
		When **All Sheets** is set, the orientation of all postcards loaded on the printer are detected.
		The print speed is reduced by the amount of time to make these detections when **First Sheet** or **All Sheets** is set. To prioritize print speed, set this to **Off**.
	Paper Type Detection	When this is **On**, notification is sent when the type of postcard paper loaded in the printer is different from the type of postcard paper set on the printer's control panel.
		The type of paper used for postcards is different from normal paper or inkjet paper, so notification is sent in the following situations.
		Example: When inkjet paper postcards are set on the printer's control panel, but regular paper postcards are loaded on the printer.
❼	Heater setting	Set whether to turn on the heater that is built-in to the printer.
		If it is turned **On**, then the internal heater is turned on when printing on either roll paper or cut sheets. The printing time may become longer because of the added time for drying by the heater.
		When printing on both sides of cut sheets of photo paper and stacking them on paper that has been printed on, if a side with dark colors and a side with light colors are stacked together, then one side may look uneven, due to the differences in drying time. Set this to **On** if this unevenness is an issue.
		If you set **Auto**, then the internal heater turns on when printing on roll paper, but the internal heater turns off when printing on cut sheets.
		Also, if you are using the printer in any of the following environments, then the internal heater turns off regardless of this setting.
		❑ When the temperature exceeds 27 ℃
		❑ When the humidity is below 20%

Using the Maintenance Tool (Windows)

Auto Nozzle Check Settings tab

In this section you can do advanced settings for auto nozzle check to confirm the state of the nozzles when the printer is turned on and at specified times so that the nozzles are automatically cleaned if they clog.

The configuration and functions of the **Auto Nozzle Check Settings** tab in the Printer settings screen are shown below.
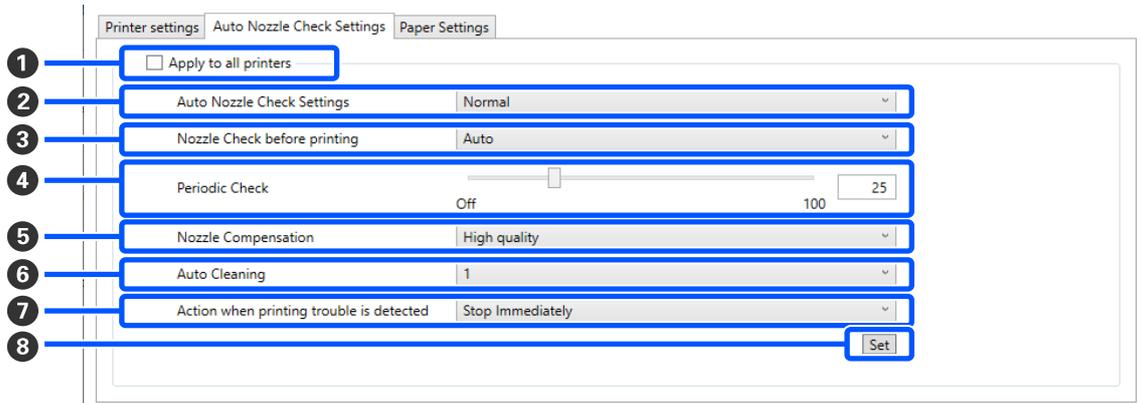
After changing the settings in items ❷ to ❼, the changes are applied by clicking **Set**.

	Item	Functions
❶	Apply to all printers	By selecting this, the results of settings changed in ❷ to ❼ are batch applied to all printers displayed in the printer list area at the top of the screen. Select this and then change the settings in ❷ to ❼, and then click **Set**.
❷	Auto Nozzle Check Settings	Set the conditions in which an automatic nozzle check is done. Select one of the following. ❑ High quality Prints a check pattern on roll paper and automatically checks the state of the nozzles. Nozzles are checked in the same way as when the printer is turned on too. Roll paper must always be loaded on the printer. ❑ Normal When printing on roll paper, prints a check pattern on roll paper and automatically checks the state of the nozzles. When printing on cut sheets, does not print a check pattern and automatically checks the state of the nozzles. When roll paper is loaded, nozzles are checked in the same way as when the printer is turned on too. ❑ Saving Ink Does not print a check pattern and automatically checks the state of the nozzles, whether roll paper or cut sheets are loaded on the printer. Nozzles are checked in the same way as when the printer is turned on too. ❑ Off Nozzles are not checked automatically. Select his when you want to visually confirm the printed check pattern to confirm the state of the nozzles. ❑ Default Returns all the settings (❷ to ❼) in the **Auto Nozzle Check Settings** tab to the manufacturer's settings.

Using the Maintenance Tool (Windows)

	Item	Functions
❸	Nozzle Check before printing	Set whether to execute auto nozzle check before printing.
		When set to **Auto**, auto Nozzle Check is executed according to the state of the printer, such as after changing the auto nozzle check settings, or after executing nozzle cleaning.
		When set to **Every time**, auto nozzle check is executed for each print job.
❹	Periodic Check	Set the time to execute auto nozzle check according to the number of sheets printed.
		If the number of sheets being printed for a single job exceeds the number of printed sheets set for this item, then the number of sheets for that job is printed, after which auto nozzle check is executed.
❺	Nozzle Compensation	Set the print quality for when normal nozzles compensate for the ink that could not be ejected by clogged nozzles.
❻	Auto Cleaning	Sets the number of times to do auto cleaning when clogged nozzles are detected.
❼	Action when printing trouble is detected	Sets whether to stop printing when clogged nozzles are detected.
		When set to **Stop Immediately**, printing is stopped when clogged nozzles are detected.
		When set to **Ignore**, printing is continued even if clogged nozzles are detected.
❽	Set button	Clicking this reflects the changes to each item ❷ to ❼.

Paper Settings tab

The configuration and functions of the **Paper Settings** tab in the Printer settings screen are shown below.
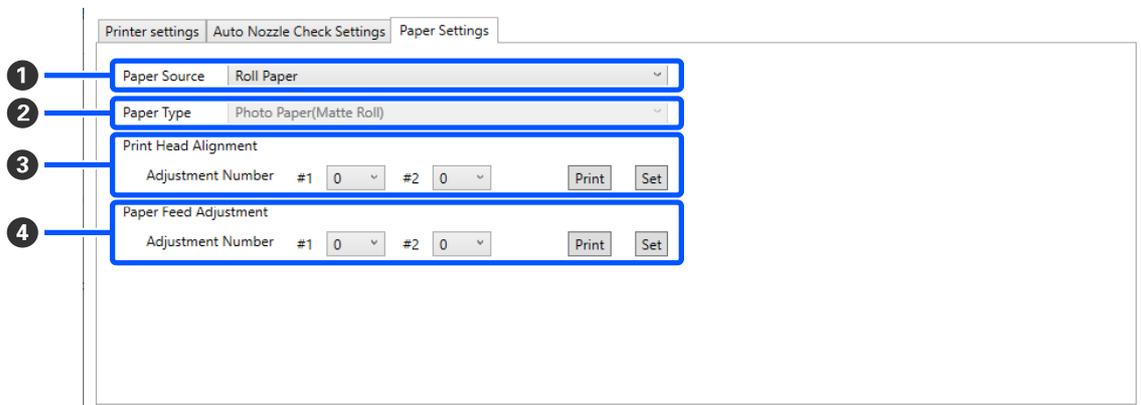
	Item	Functions
❶	Paper Source	Select the paper source for doing Print Head Alignment and Paper Feed Adjustment.
❷	Paper Type	This is enabled only when **Rear Paper Feed Slot** is selected for Paper Source (❶).
		Select the type of paper that is loaded in the rear paper feed slot.
❸	Print Head Alignment	Corrects print head misalignments when printing.
		See the following for details on Print Head Alignment.

	Item	Functions
❹	Paper Feed Adjustment	Adjusts the amount of paper feed. See the following for details on Paper Feed Adjustment. U "Paper Feed Adjustment Method" on page 94

Explanation of the System Environment Settings Screen

Clicking on **System Environment Settings** in the main screen displays the following System Environment Settings screen.

The configuration and functions of the System Environment Settings screen are shown below.
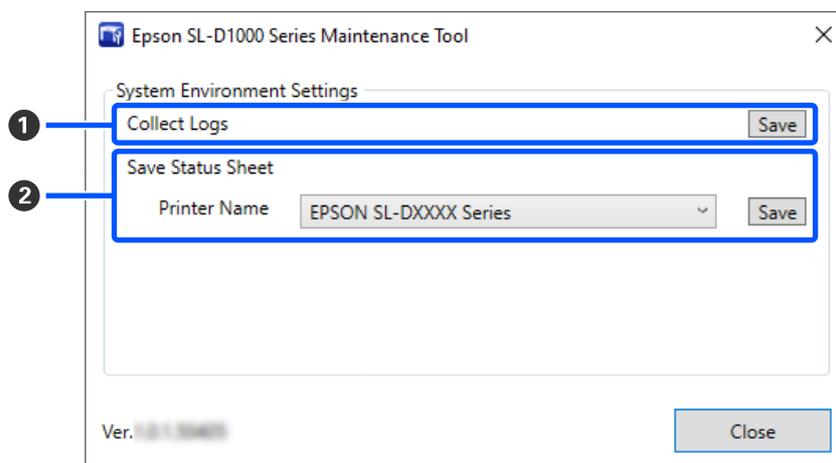
	Item	Functions
❶	Collect Logs	Clicking **Save** saves log files saved on the printer to the desktop of the computer. The following shows the file name. EPSON SL-D1000_<saved date>.zip
❷	Save Status Sheet	Select a printer in **Printer Name**, and then click **Save** to save a status sheet of the selected printer to a PDF file. You can change the file name and where the file is stored.

Printer Maintenance

You need to perform print head maintenance if there are problems in the printed results, such as streaks in the printouts or if printed colors are different from usual.

Maintenance Operations

Maintenance Tool has the following functions to keep the print head in good condition and to get the best print results.

Carry out appropriate maintenance depending on the print results and situation.

Auto Nozzle Check

By enabling this setting, you can confirm the state of the nozzles when the printer is turned on and at specified times so that the nozzles are automatically cleaned if they clog.

You can change the conditions to execute a nozzle check and the timing for nozzle checks in Auto Nozzle Check. You can also disable this setting so nozzles are not checked automatically.

U "Auto Nozzle Check Settings tab" on page 86

Manual Nozzle Check

Executes a nozzle check to check for clogged nozzles, such as when auto nozzle check is disabled, if you have not used the printer for an extended period, or before printing an important job. The printer automatically detects clogged nozzles.

U "Nozzle Check Methods" on page 89

Print Nozzle Check Pattern

Print a nozzle check pattern when you want to confirm whether clogged nozzles have been cleared after cleaning the print head or when you want to confirm the condition of nozzles visually with a printed nozzle check pattern.

U "Print Nozzle Check Pattern Method" on page 90

Print Head Cleaning

Do this if there are streaks in the printouts or if printed colors are different from usual. This function clears clogged nozzles.

There are two types, **Forced Cleaning**, which is cleaning the print head manually, and **Diagnostic Cleaning**, which detects clogged nozzles and cleans the print head automatically.

U "Print Head Cleaning Method" on page 91

Print Head Alignment

If the print results appear grainy or out of focus, perform Print Head Alignment. The Print Head Alignment function corrects print head misalignments when printing.

U "Print Head Alignment Method" on page 93

Paper Feed Adjustment

Execute this when streaks and unevenness that occur in print results are not improved even though print head cleaning was executed.

U "Paper Feed Adjustment Method" on page 94

Nozzle Check Methods

There are two types of nozzle checks, **Normal** and **Saving Ink**.

Normal prints a check pattern on roll paper and automatically checks the status of the nozzles. Roll paper must be loaded on the printer.

Saving Ink does not print a check pattern and automatically checks the state of the nozzles, whether roll paper or cut sheets are loaded on the printer.

1 Select a printer, in the printer list area on the main screen, on which to execute a nozzle check.

When you select multiple printers, press and hold **Ctrl** as you select the targeted printers.

See the following for more details on the main screen.

U "Explanation of the Main Screen" on page 81

2   In **Printer maintenance** - **Nozzle Check**, select **Normal** or **Saving Ink**, and then click **Execute**.
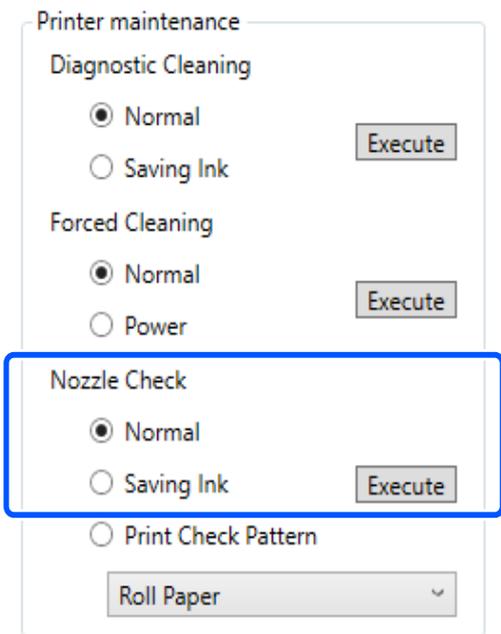
Nozzle check is executed.

3   Check the results of nozzle checks in the message displayed in **Printer history**.

When "<Printer name>-Nozzle Check is complete." is displayed, the work is complete.

When "Clogged nozzles detected. Perform [Forced Cleaning]." is displayed, execute **Forced Cleaning**.

U "Forced Cleaning" on page 92

Perform **Print Check Pattern** to check the condition of the nozzles.

U "Print Nozzle Check Pattern Method" on page 90

Print Nozzle Check Pattern Method

1   Load paper to print a nozzle check pattern.

U "Basic Operations" on page 29

2   Select a printer, in the printer list area on the main screen, on which to print a nozzle check pattern.

When you select multiple printers, press and hold **Ctrl** as you select the targeted printers.

See the following for more details on the main screen.

U "Explanation of the Main Screen" on page 81

3   In **Printer maintenance** - **Nozzle Check**, select **Print Check Pattern**.

4   Select the paper source for the paper loaded in step 1, and then click **Execute**.

The check pattern is printed.

5   Review the printed check pattern while referring to the following section.

Example of clean nozzles

K   LC   M   Y   C   LM

If none of the check pattern is missing, then the print head nozzles are not clogged.

Example of clogged nozzles

K   LC   M   Y   C   LM
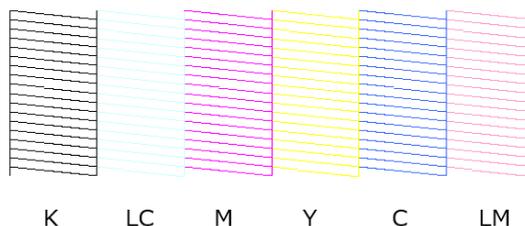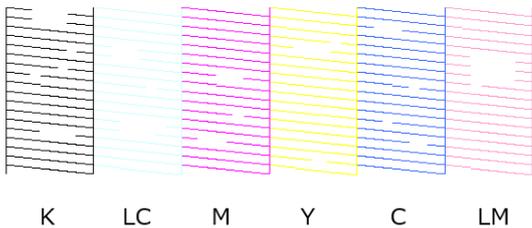
If part of the pattern is missing, then the print head nozzles are clogged. The print head needs to be cleaned.

U "Print Head Cleaning Method" on page 91

Print Head Cleaning Method

Types of Cleaning and Order of Implementation

There are two types of cleaning, **Forced Cleaning**, which is cleaning the print head manually, and **Diagnostic Cleaning**, which detects clogged nozzles and cleans the print head automatically.

First, implement **Diagnostic Cleaning**.

After doing that, when "Clogged nozzles detected. Perform [Forced Cleaning]." is displayed in **Printer history** on the main screen, implement **Diagnostic Cleaning**.

If the clogged nozzles are not cleared after repeating **Diagnostic Cleaning** three times, then do **Forced Cleaning** set to **Power**.

Diagnostic Cleaning

1   Select a printer, in the printer list area on the main screen, on which to execute cleaning.

When you select multiple printers, press and hold **Ctrl** as you select the targeted printers.

See the following for more details on the main screen.

U "Explanation of the Main Screen" on page 81

If an error is displayed for the printer you want to select, clear the error before selecting it.

2   In **Printer maintenance** - **Diagnostic Cleaning**, select **Normal** or **Saving Ink**, and then click **Execute**.

Normal prints a check pattern on roll paper and automatically checks the status of the nozzles. Roll paper must be loaded on the printer.

Saving Ink does not print a check pattern and automatically checks the state of the nozzles, whether roll paper or cut sheets are loaded on the printer.
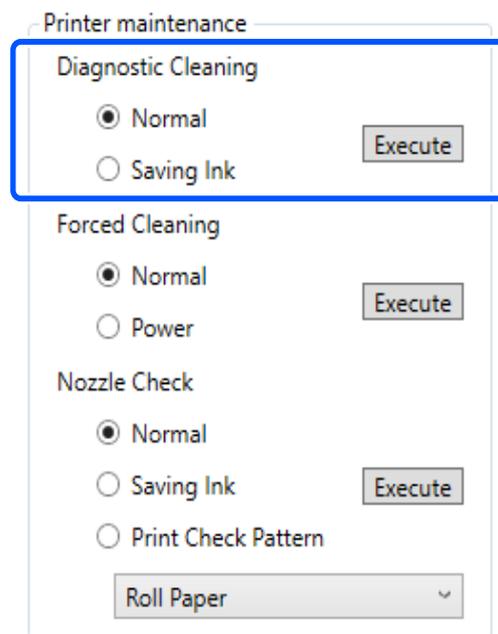
The nozzle check starts and cleaning is executed if necessary.

The time needed for cleaning varies according to the status of the nozzles.

3   Check the results of Diagnostic Cleaning in the message displayed in **Printer history**.

When "Clogged nozzles detected. Perform [Forced Cleaning]." is displayed, execute **Diagnostic Cleaning** again.

If "Auto Nozzle Check has failed." is displayed, contact service support.

If the clogged nozzles are not cleared after repeating **Diagnostic Cleaning** three times, then execute **Forced Cleaning** set to **Power**.

U "Forced Cleaning" on page 92

Forced Cleaning

1 Select a printer, in the printer list area on the main screen, on which to execute cleaning.

When you select multiple printers, press and hold **Ctrl** as you select the targeted printers.

See the following for more details on the main screen.

U "Explanation of the Main Screen" on page 81

If an error is displayed for the printer you want to select, clear the error before selecting it.

2 In **Printer maintenance** - **Forced Cleaning**, select **Normal** or **Power**, and then click **Execute**.

Select **Normal** to clean the surface of the print head and to clear clogged nozzles.

Power cleans more powerfully than **Normal**. Use this setting if the nozzles are still clogged even after repeating **Normal** cleaning several times. **Power** consumes more ink than **Normal** cleaning. If a message is displayed informing you that here is not enough ink remaining, replace the ink supply unit before continuing.

Cleaning is executed.

Cleaning may take some time depending on the selected cleaning level.

When cleaning is complete, the results are displayed in **Printer history**.

3 Check the results of Forced Cleaning.

There are the following two ways to check the cleaning results.

❑ Execute a nozzle check to check for clogged nozzles.

U "Nozzle Check Methods" on page 89

❑ Print a nozzle check pattern to check for clogged nozzles.

U "Print Nozzle Check Pattern Method" on page 90

Using the Maintenance Tool (Windows)

If the clogged nozzles are not cleared by executing **Normal** cleaning, execute **Normal** cleaning again. If the clogged nozzles are not cleared even by repeating this several times, execute **Power** cleaning.

If the clogged nozzles are not cleared even by executing **Power** cleaning, contact service support.

Print Head Alignment Method

If the print results appear grainy or out of focus, perform Print Head Alignment. The Print Head Alignment function corrects print head misalignments when printing.

1   Load paper to print an adjustment pattern.

2   Click **Printer settings** on the main screen.

See the following for more details on the main screen.

3   Select a printer, in the printer list area on the top of the Printer settings screen, on which to execute Print Head Alignment, and then select **Paper Settings**.

You cannot select multiple printers.

See the following for more details on the printer settings screen.

4   In **Paper Source**, select the paper source in which you loaded paper in step 1.

If you selected **Rear Paper Feed Slot** for **Paper Source**, then go to step 5.

If you selected something other than **Rear Paper Feed Slot** for **Paper Source**, then go to step 6.

5   In **Paper Type**, select the type of paper that is loaded in the rear paper feed slot.

6   Click **Print** in **Print Head Alignment**.
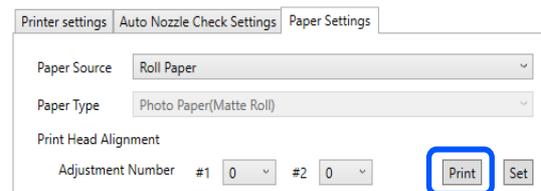
Adjustment patterns are printed.

7   Check the printed adjustment pattern.

Two groups of adjustment patterns, #1 and #2, are printed. Confirm which of the print pattern numbers has no gaps between the nozzles in each group.

8   Select the number of the print pattern you confirmed, and then click **Set**.

Select the number of the print pattern you confirmed individually for both **#1** and **#2**.

The adjustment values are applied.

Paper Feed Adjustment Method

Execute this when streaks and unevenness that occur in print results are not improved even though print head cleaning was executed.

1 Load paper to print an adjustment pattern.

   U "Basic Operations" on page 29

2 Click **Printer settings** on the main screen.

   See the following for more details on the main screen.

   U "Explanation of the Main Screen" on page 81

3 Select a printer, in the printer list area on the top of the Printer settings screen, on which to execute Paper Feed Adjustment, and then select **Paper Settings**.

   You cannot select multiple printers.

   See the following for more details on the printer settings screen.

   U "Explanation of the Printer settings" on page 82

4 In **Paper Source**, select the paper source in which you loaded paper in step 1.
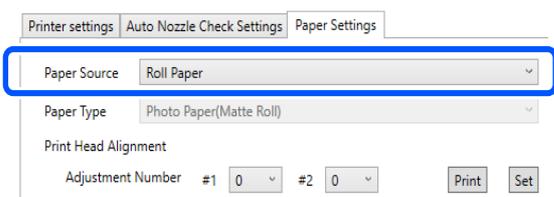
   If you selected **Rear Paper Feed Slot** for **Paper Source**, then go to step 5.

   If you selected something other than **Rear Paper Feed Slot** for **Paper Source**, then go to step 6.

5 In **Paper Type**, select the type of paper that is loaded in the rear paper feed slot.

6 Click **Print** in **Paper Feed Adjustment**.
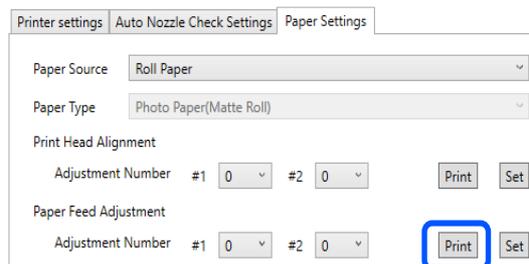
   Adjustment patterns are printed.

7 Check the printed adjustment pattern.

   Two groups of adjustment patterns, #1 and #2, are printed. Confirm the number of the print pattern with the least amount of overlapping or gaps for each group.
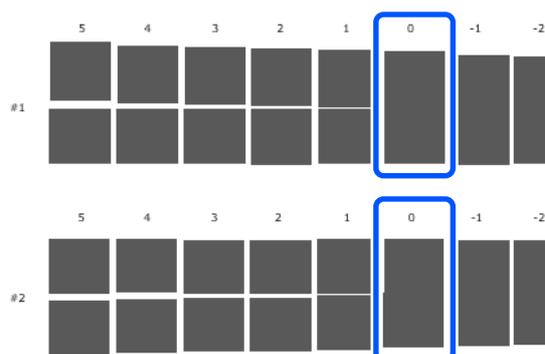
   If all of the adjustment patterns contain overlaps or gaps, and you cannot narrow it down to one, select the pattern with the least overlap or gap.

8 Select the number of the print pattern you confirmed, and then click **Set**.

   Select the number of the print pattern you confirmed individually for both **#1** and **#2**.
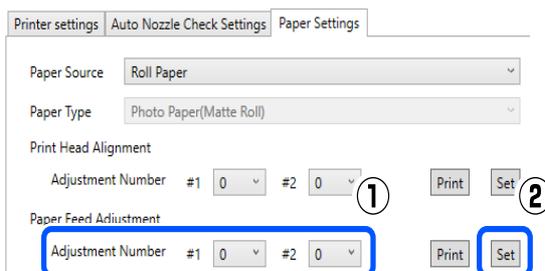
   The adjustment values are applied.

Using the Maintenance Tool (Mac)

This section explains how to use Maintenance Tool by starting it from the computer connected to the printer.

Summary of the Maintenance Tool

From your computer you can perform adjustment and maintenance operations such as checking the printer's status, making settings, performing head cleaning and so on.

Starting and Closing

Starting

1　Click the Apple menu - **System Preferences** - **Printers & Scanners**, in this order.

2　Select the printer and click **Options & Supplies** - **Utility** - **Open Printer Utility**.
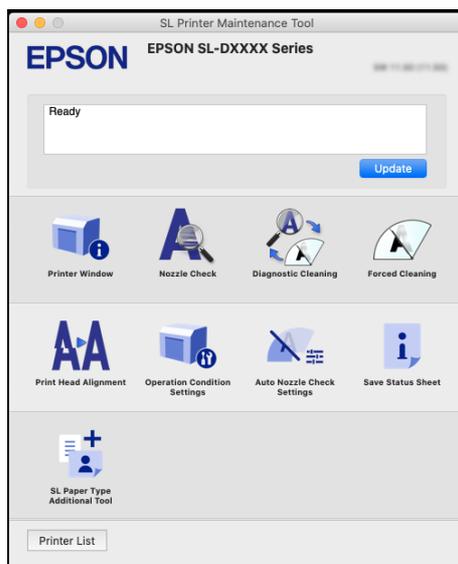
> *Note:*
> *When multiple printers are connected to a single computer, after starting Maintenance Tool, you can change which printer is being operated.*

Closing

Click ⊗ on the top left of the screen.

Explanation of the Main Screen

The following main screen appears when you start Maintenance Tool.

The configuration and functions of the main screen are shown below.

	Item	Functions
❶	Printer Name	Displays the printer name.
❷	Status Display Area	Displays the printer's status. Clicking **Update** updates the status information.

Using the Maintenance Tool (Mac)

	Item		Functions
❸	Menu List		Clicking on an icon executes the following functions for the printer displayed in printer name (❶).
		Printer Window	Displays information about the loaded paper, the approximate amount of space in the maintenance box, and the ink levels.
			☞ "Explanation of the Printer Window Screen" on page 98
		Nozzle Check	Checks for clogged nozzles.
			A nozzle check pattern can also be printed.
			☞ "Nozzle Check Methods" on page 103
			☞ "Print Nozzle Check Pattern Method" on page 104
		Diagnostic Cleaning	Detects clogged nozzles and automatically performs cleaning.
			☞ "Diagnostic Cleaning" on page 105
		Forced Cleaning	Performs manual cleaning.
			☞ "Forced Cleaning" on page 105
		Print Head Alignment	Corrects print head misalignments and corrects paper feed amounts when printing.
			☞ "Print Head Alignment Method" on page 106
			☞ "Paper Feed Adjustment Method" on page 107
		Operation Condition Settings	Sets the various operations of the printer.
			☞ "Explanation of the Operation Condition Settings Screen" on page 99
		Auto Nozzle Check Settings	Sets the details for automatic nozzle checks.
			☞ "Explanation of the Auto Nozzle Check Settings Screen" on page 100
		Save Status Sheet	Saves the status sheet of the printer as a PDF file.
			You can change the file name and where the file is stored.
		SL Paper Type Additional Tool	Starts a tool for adding paper information to a printer or printer driver.
			☞ "Adding Paper Information by Using a Paper Type File" on page 109
❹	Printer List button		This is enabled only when multiple printers are registered to a computer.
			Clicking this displays a list, on the side of the main screen, of printers that can be operated. You can change the printer to be operated by selecting a printer from the list.
			Click the button again to close the list of printers.

Explanation of the Printer Window Screen

Clicking on **Printer Window** in the main screen displays the following Printer Window screen.

The configuration and functions of the Printer Window screen are shown below.

	Item	Functions
❶	Ink Levels	Displays the ink level for each color. The following is shown for each color of ink.
		No icon display: No problems with ink levels.
		⚠: New ink supply unit needs to be prepared because remaining ink level is low.
		🛑: Remaining ink level is below the minimum value. Replace with a new ink supply unit.
		Clicking on **Information** displays detailed information about the ink supply unit on the side of the Printer Window screen.
❷	Maintenance Box Service Life	The approximate amount of space in the maintenance box is shown below.
		No icon display: No problems with the amount of space in the maintenance box.
		⚠: Free space in the maintenance box is running low, prepare a new maintenance box.
		🛑: Amount of free space in the maintenance box is below the minimum value. Replace the maintenance box with a new one.
❸	Update button	Clicking this acquires the printer status and updates the ❶, ❷, and ❹ information.
❹	Paper Setup from Printer	Displays information about the paper that is currently loaded in the printer.
		The left half of the display area displays paper information, and the right half displays paper information for the duplex feeder. Paper information is not displayed for the rear paper feed slot.
		The remaining amount of roll paper is also displayed.

Explanation of the Operation Condition Settings Screen

Clicking on **Operation Condition Settings** in the main screen displays the following Operation Condition Settings screen.

The configuration and functions of the Operation Condition Settings screen are shown below.

	Item	Functions
❶	Buzzer	Set volume of and whether to sound the warning buzzer.
❷	Sleep Mode Threshold	Set the time before switching to Sleep Mode. If an error has not occurred on the printer and no print jobs have been received for the specified length of time, the printer automatically switches to Sleep Mode.
❸	Enable Quick Print Mode	Clicking this enables Quick Print Mode. Quick Print Mode is a mode that increases print speed by shortening the drying time when printing one sheet at a time. We recommend using this when printing one sheet at a time, such as for an event. Be sure to note the following points. ❑ Do not stack printouts as the drying time is shorter. ❑ Depending on the paper type, color may be uneven or ink may be smudged. In this situation, clear the **Enable Quick Print Mode** check.
❹	Enable Remaining Paper Management	When this is selected, information, such as the paper type and remaining paper, is printed as a barcode on the leading edge of the roll paper.

Using the Maintenance Tool (Mac)

	Item		Functions
❺	Postcard False Set Alert		Set whether, when printing postcards, to detect the type and orientation of the postcard paper loaded on the printer, and to then send a notification.
			The following shows the setting items.
		Detect Postal Frame	Detects the orientation and print side of postcards loaded in the printer and sends notification if they are judged incorrect according to the postcard paper type set on the printer's control panel.
			When **First Sheet** is set, only the orientation of the first postcard loaded on the printer is detected.
			When **All Sheets** is set, the orientation of all postcards loaded on the printer are detected.
			The print speed is reduced by the amount of time to make these detections when **First Sheet** or **All Sheets** is set. To prioritize print speed, set this to **Off**.
		Enable Paper Type Detection	When this is selected, notification is sent when the type of postcard paper loaded in the printer is different from the type of postcard paper set on the printer's control panel.
			The type of paper used for postcards is different from normal paper or inkjet paper, so notification is sent in the following situations.
			Example: When inkjet paper postcards are set on the printer's control panel, but regular paper postcards are loaded on the printer.
❻	Heater setting		Set whether to turn on the heater that is built-in to the printer.
			If it is turned **On**, then the internal heater is turned on when printing on either roll paper or cut sheets. The printing time may become longer because of the added time for drying by the heater.
			When printing on both sides of cut sheets of photo paper and stacking them on paper that has been printed on, if a side with dark colors and a side with light colors are stacked together, then one side may look uneven, due to the differences in drying time. Set this to **On** if this unevenness is an issue.
			If you set **Auto**, then the internal heater turns on when printing on roll paper, but the internal heater turns off when printing on cut sheets.
			Also, if you are using the printer in any of the following environments, then the internal heater turns off regardless of this setting.
			❏ When the temperature exceeds 27 ℃
			❏ When the humidity is below 20%
❼	Set button		Clicking this reflects the changes to each item ❶ to ❻.

Explanation of the Auto Nozzle Check Settings Screen

Clicking on **Auto Nozzle Check Settings** in the main screen displays the following Auto Nozzle Check Settings screen.

In this section you can do advanced settings for auto nozzle check to confirm the state of the nozzles when the printer is turned on and at specified times so that the nozzles are automatically cleaned if they clog.

Using the Maintenance Tool (Mac)

The configuration and functions of the Auto Nozzle Check Settings screen are shown below.

	Item	Functions

❶	Auto Nozzle Check	Set the conditions in which an automatic nozzle check is done. Select one of the following.
		
		❏ High quality
		
		  Prints a check pattern on roll paper and automatically checks the state of the nozzles. Nozzles are checked in the same way as when the printer is turned on too.
		
		  Roll paper must always be loaded on the printer.
		
		❏ Normal
		
		  When printing on roll paper, prints a check pattern on roll paper and automatically checks the state of the nozzles. When printing on cut sheets, does not print a check pattern and automatically checks the state of the nozzles.
		
		  When roll paper is loaded, nozzles are checked in the same way as when the printer is turned on too.
		
		❏ Saving Ink
		
		  Does not print a check pattern and automatically checks the state of the nozzles, whether roll paper or cut sheets are loaded on the printer. Nozzles are checked in the same way as when the printer is turned on too.
		
		❏ Off
		
		  Nozzles are not checked automatically. Select his when you want to visually confirm the printed check pattern to confirm the state of the nozzles.
		
		❏ Default
		
		  Returns all the settings (❶ to ❻) in the Auto Nozzle Check Settings screen to the manufacturer's settings.

❷	Nozzle Check before printing	Set whether to execute auto nozzle check before printing. When set to **Auto**, auto Nozzle Check is executed according to the state of the printer, such as after changing the auto nozzle check settings, or after executing nozzle cleaning. When set to **Every time**, auto nozzle check is executed for each print job.

	Item	Functions
❸	Periodic Check	Set the time to execute auto nozzle check according to the number of sheets printed. If the number of sheets being printed for a single job exceeds the number of printed sheets set for this item, then the number of sheets for that job is printed, after which auto nozzle check is executed.
❹	Nozzle Compensation	Set the print quality for when normal nozzles compensate for the ink that could not be ejected by clogged nozzles.
❺	Auto Cleaning	Sets the number of times to do auto cleaning when clogged nozzles are detected.
❻	Action when printing trouble is detected	Sets whether to stop printing when clogged nozzles are detected. When set to **Stop Immediately**, printing is stopped when clogged nozzles are detected. When set to **Ignore**, printing is continued even if clogged nozzles are detected.
❼	Set button	Clicking this reflects the changes to each item ❶ to ❻.

2 Select **Normal** or **Saving Ink**, and then click **Execute**.

Nozzle check is executed.

3 Check the results of the nozzle check in the message displayed on screen.

When "No clogged nozzles were detected." is displayed, the work is complete.

When "Clogged nozzles were found." is displayed, execute **Diagnostic Cleaning**.

U "Diagnostic Cleaning" on page 105

Perform **Print Check Pattern** to check the condition of the nozzles.

U "Print Nozzle Check Pattern Method" on page 104

Print Nozzle Check Pattern Method

1 Load paper to print a nozzle check pattern.

U "Basic Operations" on page 29

2 In the control panel screen, select **Printer Setup** - **Paper Source Settings** - **Paper path for maintenance printing**, in this order, and then set the paper source for the paper loaded in step 1.

3 Click **Nozzle Check** on the main screen.

The **Nozzle Check** screen is displayed.

4 Select **Print Nozzle Check Pattern**, and then click **Execute**.
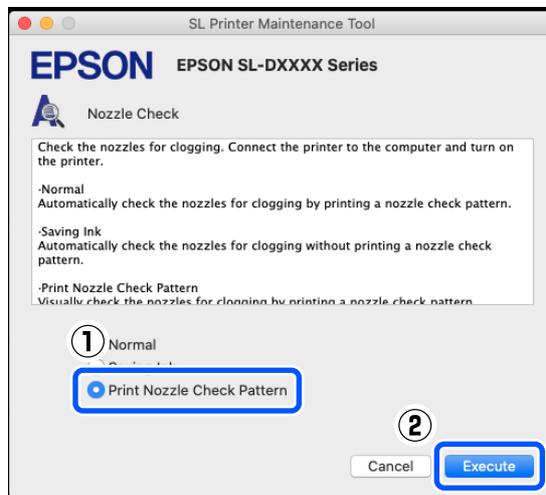
The check pattern is printed.

5 Review the printed check pattern while referring to the following section.

Example of clean nozzles
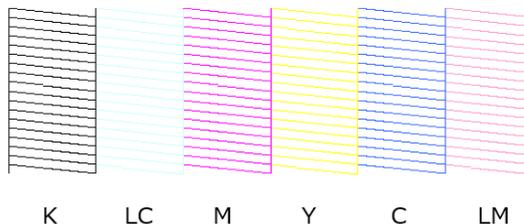
If none of the check pattern is missing, then the print head nozzles are not clogged.

Example of clogged nozzles

If part of the pattern is missing, then the print head nozzles are clogged. The print head needs to be cleaned.

U "Print Head Cleaning Method" on page 105

Print Head Cleaning Method

Types of Cleaning and Order of Implementation

There are two types of cleaning, **Forced Cleaning**, which is cleaning the print head manually, and **Diagnostic Cleaning**, which detects clogged nozzles and cleans the print head automatically.

First, implement **Diagnostic Cleaning**.

After that, when "Diagnostic cleaning is finished. Clogged nozzles detected. Perform diagnostic cleaning again." is displayed on screen, implement **Diagnostic Cleaning** again.

If the clogged nozzles are not cleared after repeating **Diagnostic Cleaning** three times, then do **Forced Cleaning** set to **Power**.

Diagnostic Cleaning

1. Click **Diagnostic Cleaning** on the main screen.

   The **Diagnostic Cleaning** screen is displayed.

2. Select **Normal** or **Saving Ink**, and then click **Execute**.

   Normal prints a check pattern on roll paper and automatically checks the status of the nozzles. Roll paper must be loaded on the printer.

Saving Ink does not print a check pattern and automatically checks the state of the nozzles, whether roll paper or cut sheets are loaded on the printer.
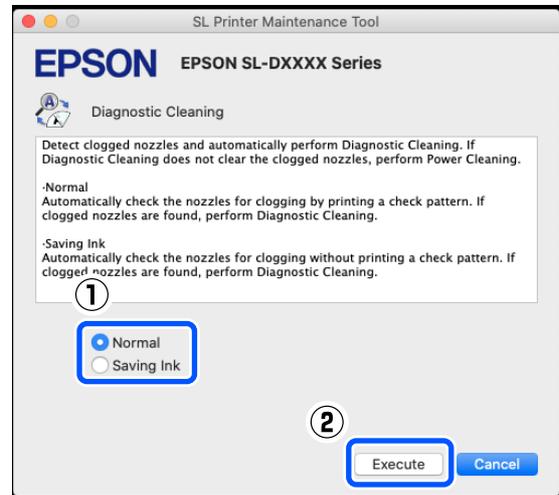
The nozzle check starts and cleaning is executed if necessary.

The time needed for cleaning varies according to the status of the nozzles.

3. Check the results of Diagnostic Cleaning in the message displayed on the screen.

   When the message "Diagnostic cleaning completed." is displayed, the work is complete.

   When "Diagnostic cleaning is finished. Clogged nozzles detected. Perform diagnostic cleaning again." is displayed, execute **Diagnostic Cleaning** again.

   If the clogged nozzles are not cleared after repeating **Diagnostic Cleaning** three times, then execute **Forced Cleaning** set to **Power**.

Forced Cleaning

1. Click **Forced Cleaning** on the main screen.

   The **Forced Cleaning** screen is displayed.

2. Select **Normal** or **Power**, and then click **Execute**.

Select **Normal** to clean the surface of the print head and to clear clogged nozzles.

Power cleans more powerfully than **Normal**. Use this setting if the nozzles are still clogged even after repeating **Normal** cleaning several times. **Power** consumes more ink than **Normal** cleaning. If a message is displayed informing you that here is not enough ink remaining, replace the ink supply unit before continuing.

Cleaning is executed.

Cleaning may take some time depending on the selected cleaning level.

A message is displayed on screen when cleaning is complete.

3   Check the results of Forced Cleaning.

There are the following two ways to check the cleaning results.

❏ Execute a nozzle check to check for clogged nozzles.

U "Nozzle Check Methods" on page 103

❏ Print a nozzle check pattern to check for clogged nozzles.

U "Print Nozzle Check Pattern Method" on page 104

If the clogged nozzles are not cleared by executing **Normal** cleaning, execute **Normal** cleaning again. If the clogged nozzles are not cleared even by repeating this several times, execute **Power** cleaning.

If the clogged nozzles are not cleared even by executing **Power** cleaning, contact service support.

Print Head Alignment Method

If the print results appear grainy or out of focus, perform Print Head Alignment. The Print Head Alignment function corrects print head misalignments when printing.

After executing Print Head Alignment, go on to execute Paper Feed Adjustment.

1   Load paper to print an adjustment pattern.

U "Basic Operations" on page 29

2   Click **Print Head Alignment** on the main screen.

The **Print Head Alignment** screen is displayed.

3   In **Paper Source**, select the paper source in which you loaded paper in step 1.
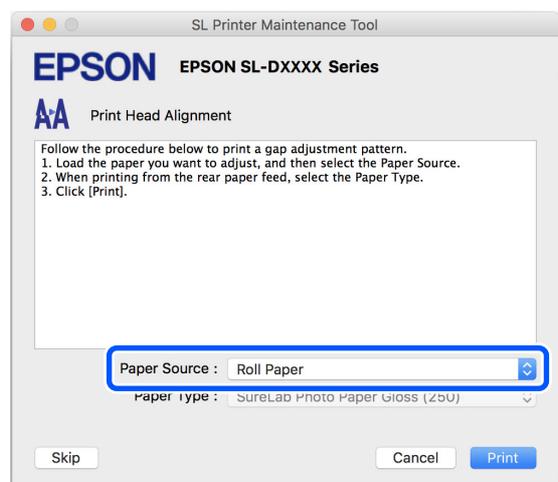
If you selected **Rear Paper Feed Slot** for **Paper Source**, then go to step 4.

If you selected something other than **Rear Paper Feed Slot** for **Paper Source**, then go to step 5.

4   In **Paper Type**, select the type of paper that is loaded in the rear paper feed slot.

5   Click **Print**.

Adjustment patterns are printed.

6   Check the printed adjustment pattern.

Two groups of adjustment patterns, #1 and #2, are printed. Confirm which of the print pattern numbers has no gaps between the nozzles in each group.
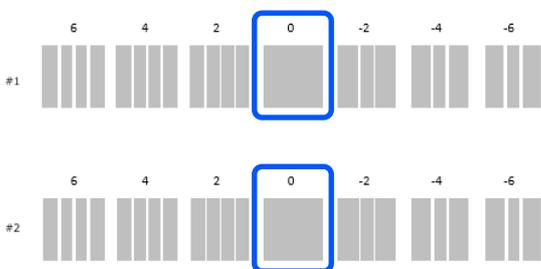
7   Select the number of the print pattern you confirmed, and then click **Set**.

Select the number of the print pattern you confirmed individually for both **#1** and **#2**.
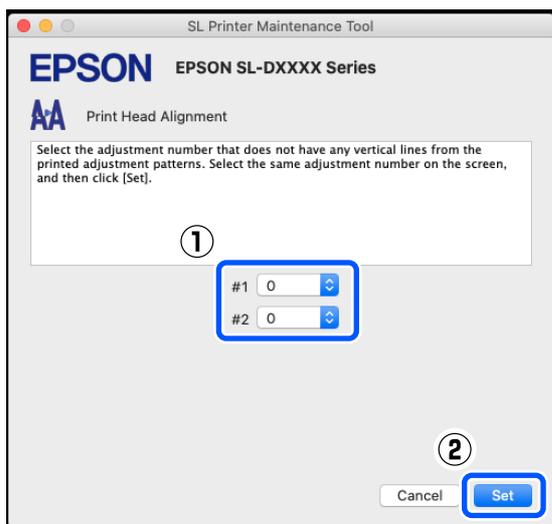
The adjustment values are applied.

If you are going to do Paper Feed Adjustment, then go to step 4 in "Paper Feed Adjustment Method".

Paper Feed Adjustment Method

Execute this when streaks and unevenness that occur in print results are not improved even though print head cleaning was executed.

1   Load paper to print an adjustment pattern.

2   Click **Print Head Alignment** on the main screen.

The **Print Head Alignment** screen is displayed.

3   Click **Skip**.

If you do not click **Skip** to do this from Print Head Alignment, see the following.

4   In **Paper Source**, select the paper source in which you loaded paper in step 1.

If you selected **Rear Paper Feed Slot** for **Paper Source**, then go to step 5.

If you selected something other than **Rear Paper Feed Slot** for **Paper Source**, then go to step 6.

5   In **Paper Type**, select the type of paper that is loaded in the rear paper feed slot.

6   Click **Print**.

Adjustment patterns are printed.

7   Check the printed adjustment pattern.

Two groups of adjustment patterns, #1 and #2, are printed. Confirm the number of the print pattern with the least amount of overlapping or gaps for each group.

If all of the adjustment patterns contain overlaps or gaps, and you cannot narrow it down to one, select the pattern with the least overlap or gap.

8   Select the number of the print pattern you confirmed, and then click **Set**.

Select the number of the print pattern you confirmed individually for both **#1** and **#2**.

The adjustment values are applied.

Adding Paper Information

If the paper information for the paper you want to use is not displayed on the control panel screen or in the printer driver, you can add paper information. Adding can be done by the following method.

❏ When you can acquire the Paper Type File of the paper you want to use

U "Adding Paper Information by Using a Paper Type File" on page 109

❏ When you cannot acquire the Paper Type File of the paper you want to use, or when you want to register color density adjusted to suit the paper (Windows Only)

U "Adding Paper Information from Custom Settings (Windows Only)" on page 111

Note:
Check with your dealer about how to acquire a Paper Type File.

Adding Paper Information by Using a Paper Type File

Settings on Windows

1 Open the Control Panel, and click **Hardware and Sound** - **Devices and Printers**, in this order.

2 Right-click your printer icon, and select **Printing preferences**.
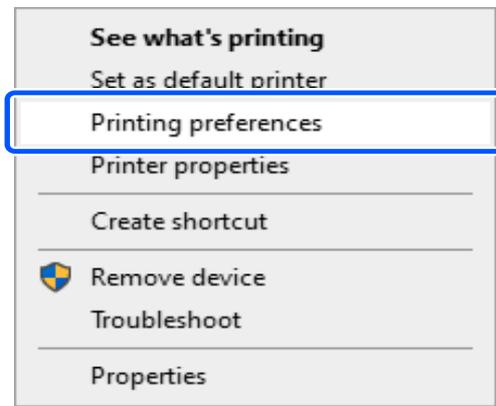
3 Select **Maintenance**, and click **Paper Type Additional Tool**.

Start Paper Type Additional Tool.
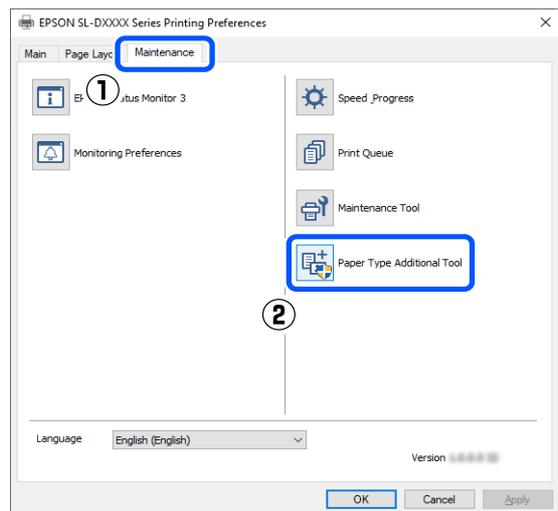
Adding Paper Information

4   Click **Reading Paper Type File**, select a Paper Type File, and then click **Open**.
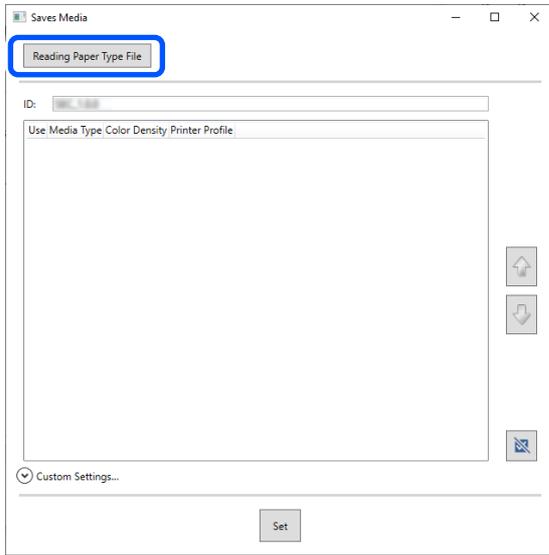
5   Select the paper to use, and then click **Set**.

You can select up to 10 papers.
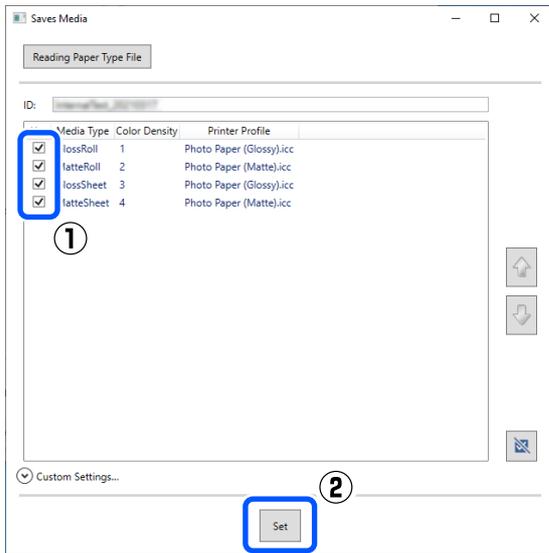
Follow the on-screen instructions to continue.

When the settings are complete, the paper information appears in **Media Type** on the control panel screen and in the printer driver.

Settings on Mac

1   Click the Apple menu - **System Preferences** - **Printers & Scanners**, in this order.

2   Select the printer and click **Options & Supplies** - **Utility** - **Open Printer Utility**.

Maintenance Tool starts.

3   Click **SL Paper Type Additional Tool**.

Start Paper Type Additional Tool.
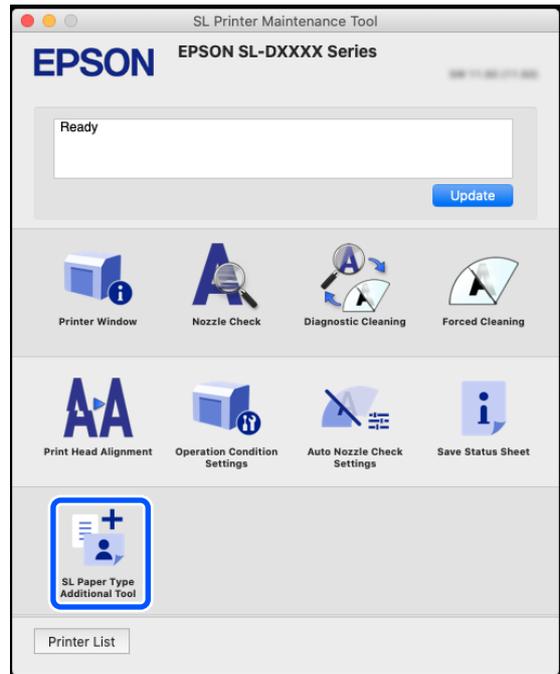
4   Click **Select**, select a Paper Type File, and then click **Open**.
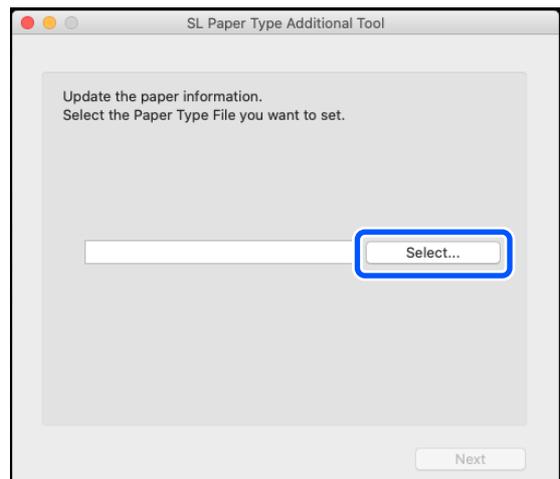
Adding Paper Information

5   Click **Next**.
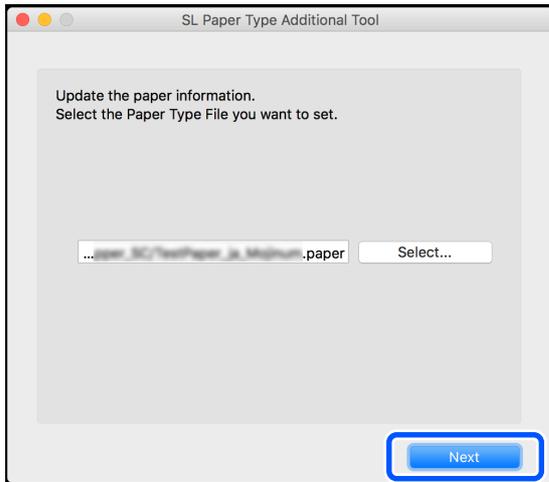
6   Select the paper to use, and then click **Next**.

You can select up to 10 papers.
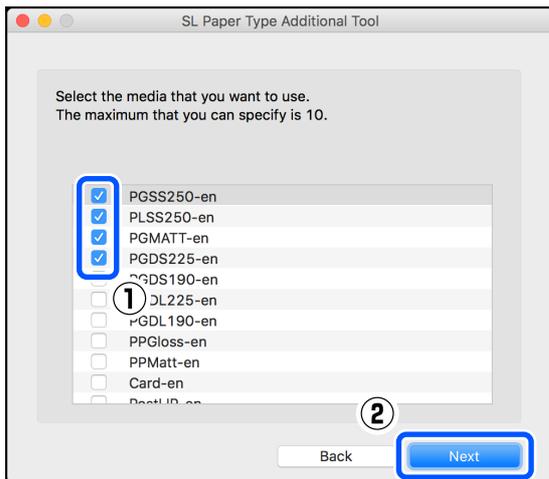
Follow the on-screen instructions to continue.

When the settings are complete, the paper information appears in **Media Type** on the control panel screen and in the printer driver.

Adding Paper Information from Custom Settings (Windows Only)

If you cannot acquire the Paper Type File for the paper you want to use, or when using commercially available paper, add paper information by adjusting the color density of paper information that has already been set.

1   Open the Control Panel, and click **Hardware and Sound** - **Devices and Printers**, in this order.

2   Right-click your printer icon, and select **Printing preferences**.
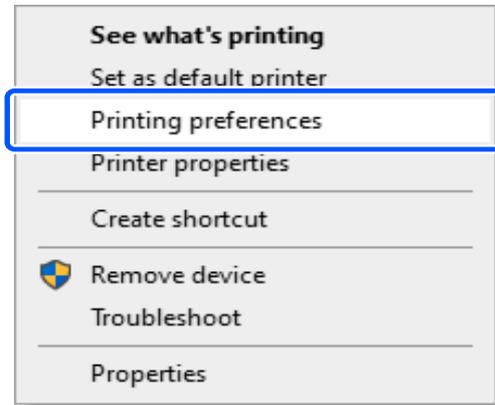
3   Select **Maintenance**, and click **Paper Type Additional Tool**.

Start Paper Type Additional Tool.
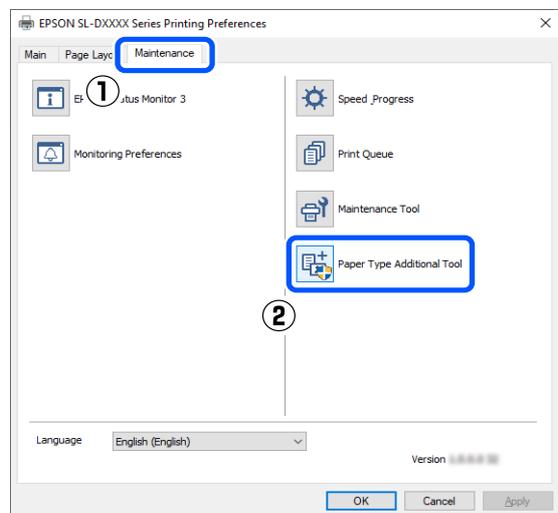
4   Click **Custom Settings**, and select **Media Type**.

Adding Paper Information

Choose a paper type that is the closest match to the paper to be used.
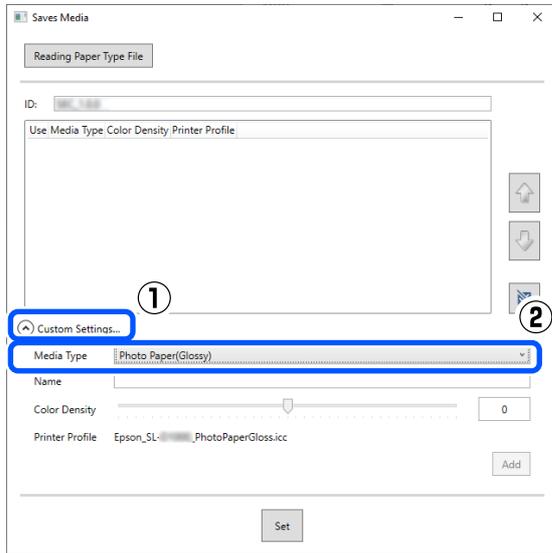
5   Input a name in **Name**, then set the **Color Density** to match the paper, and then click **Add**.
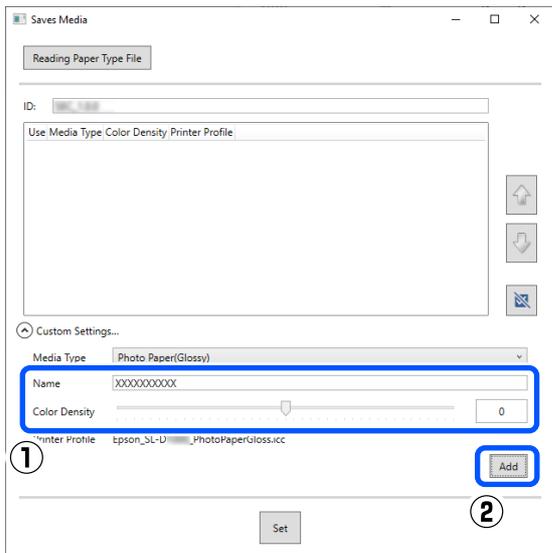
> **Note:**
> The added paper information appears in **Media Type** on the control panel screen and in the printer driver using the name you input in **Name**.

6   Confirm that the paper information you added in step 5 is selected, and then click **Set**.
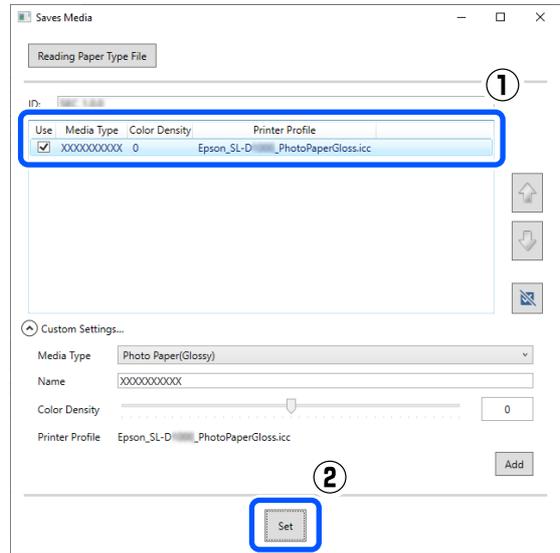
Follow the on-screen instructions to continue.

When the settings are complete, the paper information appears in **Media Type** on the control panel screen and in the printer driver.

Control Panel Menu

Menu List

The following items and parameters can be set and executed in the Menu. See the reference pages for more details on each item.

Settings
For more information on these items, see ☞ "Details of the Menu" on page 117

Item	Parameter
Printer Status	
Supply Status	-
Message List	-
Firmware Version	-
Paper Setting	
Roll Paper	
Remove	-
Paper information	-
Remaining Amount	-
Remaining Amount Setting	On, Off
Paper Remaining	Set numerical values
Remaining Alert	Set numerical values
Paper Type	Displays the supported paper types
Cassette	
Paper Type	Displays the supported paper types
Paper Size	Displays the supported paper sizes
Maintenance	
Print Head Nozzle Check	-
Print Head Cleaning	-
Powerful Cleaning	-
Replace Ink Supply Unit	-
Replace Maintenance Box	-
Reset Counter	-
Printer Setup	

Control Panel Menu

Item	Parameter
Paper Source Settings	
Paper path for maintenance printing	Roll Paper, Cassette, Rear Paper Feed Slot
Error Notice	
Paper Size Notice	On, Off
Paper Type Notice	On, Off
Paper Setup Auto Display	On, Off
Sound	
Mute	Off, On
Button Press	Off, Low, Medium, High
Error Tone	Off, Low, Medium, High
Thick Paper	Off, On
Power Off Timer	Off, 30minutes, 1h, 2h, 4h, 8h, 12h
Date/Time Settings	
Date/Time	
Date Format	yyyy.mm.dd, mm.dd.yyyy, dd.mm.yyyy
Time Format	12h, 24h
Time Difference	-12:45 to +13:45
Language	Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Malay, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese
Keyboard	QWERTY, ABC
Sleep Timer	Set numerical values
PC Connection via USB	Enable, Disable
Length Unit	m, ft / in
Network Settings	

Control Panel Menu

Item	Parameter
Print Status Sheet	-
Wi-Fi Setup	
Wi-Fi (Recommended)	
Wi-Fi Setup Wizard	
Other SSIDs	-
Push Button (WPS)	-
Others	
PIN Code (WPS)	-
Wi-Fi Auto Connect	-
Disable Wi-Fi	-
Wi-Fi Direct	
iOS	-
Other OS Devices	-
Change Settings	
Change Network Name	-
Change Password	-
Disable Wi-Fi Direct	-
Change Frequency Range	2.4GHz, 5GHz
Restore Default Settings	-
Connection Check	-
Advanced Setup	
Device Name	-
TCP/IP	Auto, Manual
DNS Server	Auto, Manual
Proxy Server	Do Not Use, Use
IPv6 Address	Enable, Disable
Link Speed & Duplex	Auto, 10BASE-T Half Duplex, 10BASE-T Full Duplex, 100BASE-TX Half Duplex, 100BASE-TX Full Duplex
Redirect HTTP to HTTPS	Enable, Disable
Disable IPsec/IP Filtering	-
Disable IEEE802.1X	-
Epson Connect Services	
Register/Delete	-
Suspend/Resume	-
Email Address	-
Status	-

Item	Parameter
Print Network Status Sheet	-
Print Counter	-
Reports	
Network	-
Security Settings	
Admin Settings	
Admin Password	
Change	-
Restore Default Settings	-
Lock Setting	Off, On
Password Encryption	Off, On
Restore Default Settings	
Network Settings	-
Clear All Data and Settings	-

Wi-Fi Setup

Displays the same content as **Settings** - **Network Settings** - **Wi-Fi Setup**.

Details of the Menu

* indicates default settings.

Item	Parameter	Explanation
Printer Status		
Supply Status	-	You can confirm an estimate of the amount of ink remaining and the free space in the maintenance box. The ⚠ mark indicates that the ink levels or the free space in the maintenance box are low. The ❌ mark indicates that the ink level is below the minimum value or that there is no free space in the maintenance box, so the ink supply unit or maintenance box should be replaced. You can confirm the model number of the maintenance box and the ink supply units by selecting **Check code.**.
Message List	-	The printer's current status and description of unresolved errors are displayed in a list.
Firmware Version	-	Displays the firmware version of the printer.
Paper Setting		

Control Panel Menu

Item			Parameter	Explanation
Roll Paper				
	Remove		-	Select when removing the roll paper that is loaded. Follow the on-screen instructions to remove it.
	Paper information		-	Displays paper type that is currently set.
	Remaining Amount		-	When **Remaining Amount Setting** is **On**, information about the remaining amount of paper is printed as a barcode when printing ends, so that the next time that roll of paper is loaded, the information about the remaining amount can be scanned. This is useful because the remaining amounts of roll paper can be managed automatically.
		Remaining Amount Setting	On	
			Off*	In addition to bar codes, the following information is printed as text that can be read visually.
		Paper Remaining	Set numerical values	❏ Time and date barcode printed
		Remaining Alert	Set numerical values	❏ Model name
				❏ Paper Type
				❏ Remaining Amount
				When loading roll paper for the first time, set the remaining amount from **Paper Remaining**.
				When the remaining amount reaches the level set in **Remaining Alert**, a warning message appears in the control panel screen.
	Paper Type		Displays the supported paper types	Set the type of roll paper being loaded.
Cassette				Set the type and size of cut sheets loaded in the cassette of the duplex feeder (option).
	Paper Type		Displays the supported paper types	
	Paper Size		Displays the supported paper sizes	
Maintenance				
	Print Head Nozzle Check		-	Print a check pattern to check whether nozzles (holes that eject ink) in the print head are clogged.
	Print Head Cleaning		-	Clean the print head nozzles to clear the clogs.
	Powerful Cleaning		-	This is powerful cleaning that is executed when clogged nozzles are not cleared by doing Print Head Cleaning.
	Replace Ink Supply Unit		-	Execute this when replacing ink supply units so you can watch the explanation displayed on the screen.
	Replace Maintenance Box		-	Execute this when replacing the maintenance box to watch an explanation shown on screen while you replace the parts.
	Reset Counter		-	Execute this to reset the amount of paper that has been fed from the cassette of the duplex feeder. Be sure to execute this when you replace feed rollers at the end of their service life.
Printer Setup				

Control Panel Menu

Item			Parameter	Explanation
Paper Source Settings				
	Paper path for maintenance printing		Roll Paper*	Set from where to use paper that has been loaded for printing a nozzle check pattern and network connection check report.
			Cassette	
			Rear Paper Feed Slot	
	Error Notice			When turned **On**, error messages are displayed when the paper type and size set in Print Settings does not match the fed Paper Setting.
		Paper Size Notice	On*	
			Off	
		Paper Type Notice	On*	
			Off	
	Paper Setup Auto Display		On*	Select **On** to display the Paper Setting screen when loading paper in the cassette of Duplex Feeder (Option). If you disable this feature, you cannot print from an iPhone, iPad, or iPod touch using AirPrint.
			Off	

Control Panel Menu

Item		Parameter	Explanation
Sound			Sets volume of sounds produced by the printer.
	Mute	Off*	When **Mute** is **On**, all sounds are muted.
		On	
	Button Press	Off	
		Low	
		Medium*	
		High	
	Error Tone	Off	
		Low	
		Medium*	
		High	
Thick Paper		Off*	Normally, leave this **Off**.
		On	Set this to **On** to widen the gap between the print head and paper to reduce rubbing if the print head and paper rub together causing print results to be dirty.
Power Off Timer		Off*	Set the time until the power automatically turns off when the printer has continuously not been operated.
		30minutes	
		1h	
		2h	
		4h	
		8h	
		12h	
Date/Time Settings			
	Date/Time		Set the current date and time and their display format.
	Date Format	yyyy.mm.dd	
		mm.dd.yyyy	
		dd.mm.yyyy	
	Time Format	12h	
		24h	
	Time Difference	-12:45 to +13:45	Set the time difference with coordinated universal time (UTC).

Control Panel Menu

Item	Parameter	Explanation
Language	Arabic	You can select the language displayed on the screens.
	Czech	
	Danish	
	Dutch	
	English	
	Farsi	
	Finnish	
	French	
	German	
	Greek	
	Hindi	
	Hungarian	
	Indonesian	
	Italian	
	Japanese	
	Korean	
	Malay	
	Norwegian	
	Polish	
	Portuguese	
	Romanian	
	Russian	
	Simplified Chinese	
	Spanish	
	Swedish	
	Thai	
	Traditional Chinese	
	Turkish	
	Vietnamese	

Control Panel Menu

Item	Parameter	Explanation
Keyboard	QWERTY[*]	Select the keyboard layout used in the control panel screens.
	ABC	
Sleep Timer	Set numerical values	Set the time until the printer automatically goes into sleep (energy saving) mode when the printer has continuously not been operated. When the set time is exceeded, the screen becomes dark.
PC Connection via USB	Enable[*]	When **Enable** is set, access is allowed from computers connected via USB. When **Disable** is set, you can prohibit printing that does not go through the network.
	Disable	
Length Unit	m	Set the units of length to be displayed and input on the control panel.
	ft / in	
Network Settings		
Print Status Sheet	-	Prints a network status sheet.
Wi-Fi Setup		
Wi-Fi (Recommended)		Connect the printer to a network through a wireless LAN router. Select the connection method and follow the on-screen instructions to do the settings.
Wi-Fi Setup Wizard		
Other SSIDs	-	
Push Button (WPS)	-	
Others		
PIN Code (WPS)	-	
Wi-Fi Auto Connect	-	
Disable Wi-Fi	-	

Control Panel Menu

Item	Parameter	Explanation
Wi-Fi Direct		Directly connect smart devices to the printer using a wireless LAN. Select the connection method and follow the on-screen instructions to do the settings.
iOS	-	
Other OS Devices	-	The following shows details of the setting items.
Change Settings		
Change Network Name	-	Change Network Name: Change the connection name (SSID) of the Wi-Fi Direct (simple AP) connected to the printer to any value. The connection name (SSID) can be set using the characters on the keyboard displayed on the control panel screen. Input up to 22 characters.
Change Password	-	If the connection name (SSID) is changed, then all the connected devices will be cut off. If you change the connection name, then reconnect to connected devices using the new connection name (SSID).
Disable Wi-Fi Direct	-	
Change Frequency Range	2.4GHz*	Change Password: Change the password of the Wi-Fi Direct (simple AP) connected to the printer. The password can be set using the ASCII characters on the soft keyboard displayed on the control panel. Input from 8 to 22 characters.
	5GHz	If the password is changed, then all the connected devices will be cut off. If you change the password, then reconnect to connected devices using the new password.
Restore Default Settings	-	
		Disable Wi-Fi Direct: Disable the Wi-Fi Direct (simple AP) connection. If this is disabled, then all the connected devices will be cut off.
		Change Frequency Range:
		This setting may not be visible, depending on your region.
		Change the frequency band of the Wi-Fi Direct (simple AP) connected to the printer. This can be set to 2.4 GHz or 5 GHz.
		If the frequency band is changed, then all the connected devices will be cut off. Connect them again.
		If the frequency band is set to 5 GHz, then devices that do not support 5 GHz cannot be reconnected.
		Restore Default Settings: Returns all the Wi-Fi Direct (simple AP) settings to the factory defaults. This also deletes the registered connection information, which is used by Wi-Fi Direct functions of smart devices, stored on the printer.
Connection Check	-	Checks the status of the printer's network connection and prints a network connection diagnosis report. If there is a problem with the connection, use the results of the diagnosis to resolve it.

Control Panel Menu

Item	Parameter	Explanation
Advanced Setup		Set various items related to the network.
Device Name	-	
TCP/IP	Auto	
	Manual	
DNS Server	Auto	
	Manual	
Proxy Server	Do Not Use	
	Use	
IPv6 Address	Enable[*]	
	Disable	
Link Speed & Duplex	Auto[*]	
	10BASE-T Half Duplex	
	10BASE-T Full Duplex	
	100BASE-TX Half Duplex	
	100BASE-TX Full Duplex	
Redirect HTTP to HTTPS	Enable[*]	
	Disable	
Disable IPsec/IP Filtering	-	
Disable IEEE802.1X	-	
Epson Connect Services		
Register/Delete	-	Register a printer to Epson Connect or delete a registered printer. See the following portal site for details on using the Epson Connect service. https://www.epsonconnect.com/
Suspend/Resume	-	Temporarily stop using the Epson Connect service or restart using the service after it was stopped.
Email Address	-	Check the email address of the printer that is registered in Epson Connect.
Status	-	Confirm that the printer is registered and connected to Epson Connect.
Print Network Status Sheet	-	Prints a network status sheet.
Print Counter	-	The amount of printing from when the printer was first used until the present is converted to a number of 102 x 152 mm (4 x 6 inches) size pages and displayed.

Control Panel Menu

Item	Parameter	Explanation
Reports		Checks the status of the printer's network connection and prints a network connection diagnosis report. If there is a problem with the connection, use the results of the diagnosis to resolve it.
Network	-	
Security Settings		
Admin Settings		
Admin Password		Sets, changes, and initializes the administrator's password.
Change	-	The initial value for the administrator's password is the product's serial number. Confirm the product serial number printed on a label on the printer.
Restore Default Settings	-	
Lock Setting	Off*	Uses the **Admin Password** to lock the control panel so it cannot be used. See the *Administrator's Guide* for information on the settings that are locked.
	On	
Password Encryption	Off*	Select **On** to encrypt the password, and then restart the printer. If the power is cut off during a restart, the password data could be damaged and the printer's settings initialized. If this happens, reset the password information.
	On	
Restore Default Settings		
Network Settings	-	Return network related settings to factory defaults.
Clear All Data and Settings	-	Returns all settings to their defaults.

Wireless LAN Connection

Types of Wireless LAN Connection

You can use the following connection methods.

Wi-Fi Connection

Connect the printer and the computer or smart device to the wireless router. This connection method is for using smart devices and computers connected via wireless LAN (Wi-Fi) through a wireless LAN router (access point).
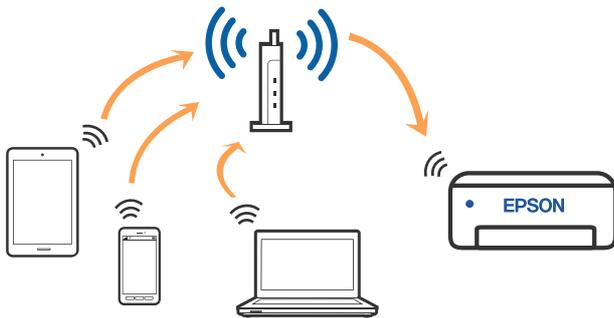
Related information

U "Connecting to a Computer" on page 126

U "Connecting to a Smart Device Over a Wireless Router" on page 127

U "Making Wi-Fi Settings from the Printer" on page 129

Wi-Fi Direct (Simple AP) Connection

Use this connection method when you want to connect the printer directly to a computer or smart device without using wireless LAN (Wi-Fi) and a wireless LAN router (access point). In this mode, the printer acts as an wireless router and you can connect the devices to the printer without having to use a standard wireless router. However, devices directly connected to the printer cannot communicate with each other through the printer.
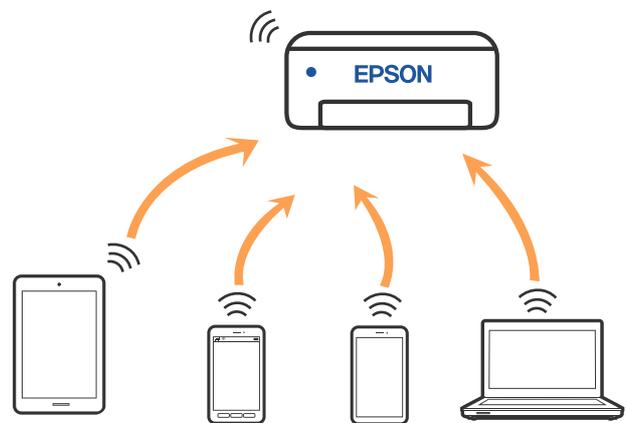
The printer can be connected by wireless LAN (Wi-Fi) and Wi-Fi Direct (Simple AP) simultaneously. However, if you start setting Wi-Fi Direct (Simple AP) while connected by wireless LAN (Wi-Fi), the wireless LAN (Wi-Fi) connection is temporarily disconnected.

Related information

U "Connecting to an iPhone, iPad, iPod touch Using Wi-Fi Direct" on page 127

U "Connecting to Devices Other Than iOS Using Wi-Fi Direct" on page 129

Connecting to a Computer

We recommend using the installer to connect the printer to a computer. You can run the installer using one of the following methods.

❏ Setting up from the website
   Access the Epson support website, and then search for your model. Download the software installer and run it.

❏ Setting up using the software disc (only for the models that come with a software disc and users with computers with disc drives)
Insert the software disc into the computer, and then follow the on-screen instructions.

Selecting the Connection Methods
Follow the on-screen instructions until the following screen is displayed, and then select the connection method of the printer to the computer.

Select the connection method for the printer, and then click **Next**.
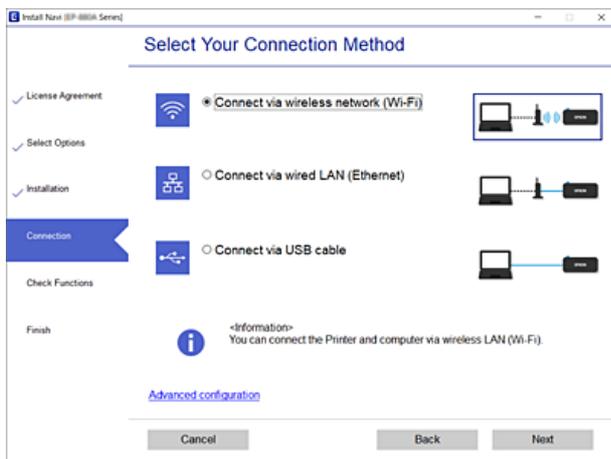
Follow the on-screen instructions.

Connecting to a Smart Device

Connecting to a Smart Device Over a Wireless Router

If you are using iOS or Android, you may find it convenient to do the settings from Epson Smart Panel. Install and start up the latest version of Epson Smart Panel. The Wi-Fi setup starts.

Connecting to an iPhone, iPad, iPod touch Using Wi-Fi Direct

This method allows you to connect the printer directly to an iPhone, iPad, or iPod touch without a wireless router. The following conditions are required to connect using this method. If your environment does not match these conditions, you can connect by selecting **Other OS Devices**. See "Related Information" below for details on connecting.

❏ iOS 11 or later

❏ Using the standard camera application to scan the QR code

Epson Smart Panel is used to print from a smart device. Install an Epson printing app, such as Epson Smart Panel, on the smart device in advance.

> *Note:*
> ❏ *If you are using iOS, you may find it convenient to do the settings from Epson Smart Panel.*
>
> ❏ *You only need to make these settings for the printer and the smart device that you want to connect to once. Unless you disable Wi-Fi Direct or restore the network settings to their defaults, you do not need to make these settings again.*

1 From the printer's home screen, press the ▲/▼/◀/▶ buttons to select **Wi-Fi Setup** - **Wi-Fi Direct**.

2 Check the message, and then press the OK button to proceed.

3 Check the message, and then press the OK button to proceed.

4   Use the ◄/► buttons to select **iOS**, and then press the **OK** button.
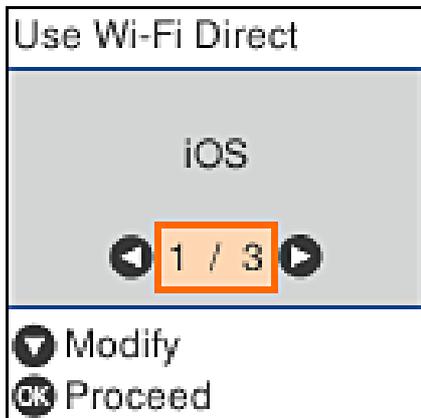
5   Check the message, and then press the **OK** button to proceed.

The QR code is displayed on the printer's screen.

6   Open the standard camera app on iPhone, iPad, iPod touch, and then use the photo mode to scan the QR code on the printer's screen.
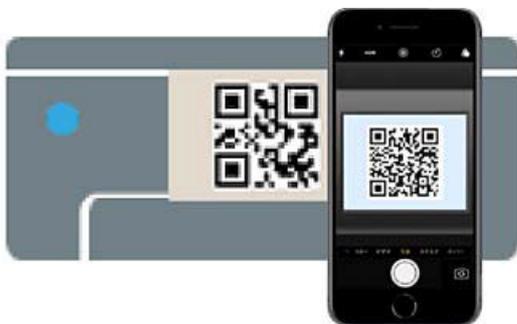
Use the Camera app for iOS 11 or later. You cannot connect to the printer using the standard camera app for iOS 10 or earlier. Also, you cannot connect to the printer using an app for scanning codes. If you cannot connect, press the ◄ button. See "Related Information" below for details on connecting.

7   Tap the notification for "DIRECT- XXXXX Series" network connection displayed in the iPhone, iPad, or iPod touch screen.

The model number is shown in XXXXX.

8   Check the message, and then tap **Join**.

9   Press the **OK** button on the printer.

10 Open the printing app you are using, and then select the printer.

See the information displayed on the printer's screen to select the printer.
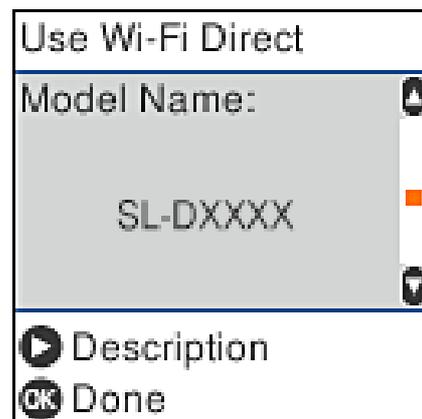
11 Press the **OK** button on the printer.

For smart devices that have been connected to the printer before, select the network name (SSID) on the smart device's Wi-Fi screen to connect them again.

Related information
U "Connecting to Devices Other Than iOS Using Wi-Fi Direct" on page 129

U "Printing from Smart Devices" on page 61

Connecting to Devices Other Than iOS Using Wi-Fi Direct

This method allows you to connect the printer directly to devices without a wireless router.

> *Note:*
> ❏ *If you are using Android, you may find it convenient to do the settings from Epson Smart Panel.*
>
> ❏ *You only need to make these settings for the printer and the device that you want to connect to once. Unless you disable Wi-Fi Direct or restore the network settings to their defaults, you do not need to make these settings again.*

1   From the home screen, press the ▲/▼/◀/▶ buttons to select **Wi-Fi Setup** - **Wi-Fi Direct**.

2   Check the message, and then press the OK button.

3   Check the message, and then press the OK button.

4   Press the ◀ button.

5   Use the ◀/▶ buttons to select **Other OS Devices**, and then press the OK button.

6   Scroll the screen with the ▼ button, and check the connection information for Wi-Fi Direct.

7   On the smart device's Wi-Fi screen, select a connection name shown on the printer's control panel, and then enter the password.
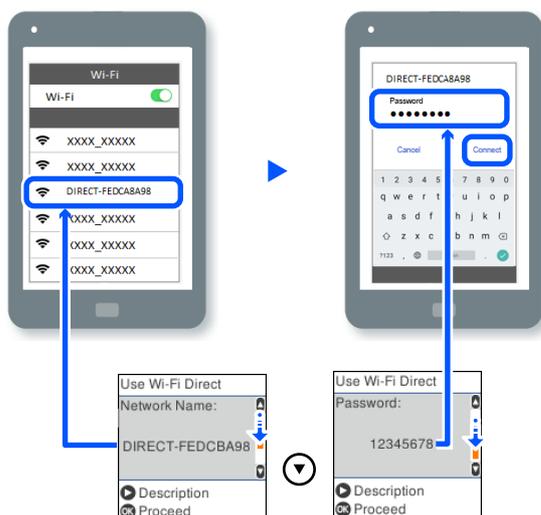
8   Press the OK button on the printer.

9   Open the printing app you are using, and then select the printer.

For smart devices that have been connected to the printer before, select the network name (SSID) on the smart device's Wi-Fi screen to connect them again.

Making Wi-Fi Settings from the Printer

You can make network settings from the printer's control panel in several ways. Choose the connection method that matches the environment and conditions that you are using.

If you know the information for the access point such as SSID and password, you can make settings manually.

If you are using a wireless LAN router (access point) that supports WPS, then you do auto settings by pressing a button.

After connecting the printer to the network, connect to the printer from the device that you want to use (computer, smart device, tablet, and so on).

Related information
U "Making Wi-Fi Settings by Entering the SSID and Password" on page 129

U "Making Wi-Fi Settings by Push Button Setup" on page 130

U "Making Wi-Fi Settings by PIN Code Setup (WPS)" on page 131

Making Wi-Fi Settings by Entering the SSID and Password

You can set up a Wi-Fi network by entering the information necessary to connect to a wireless router from the printer's control panel. To set up using this method, you need the SSID and password for a wireless router.

Wireless LAN Connection

Note:
If you are using an wireless router with its default settings, the SSID and password are on the label. If you do not know the SSID and password, contact the person who set up the wireless router, or see the documentation provided with the wireless router.
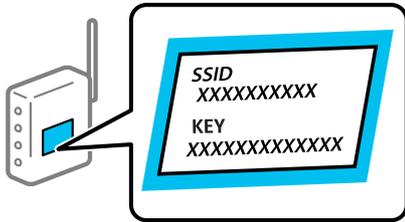
1 Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲/▼/◀/▶ buttons, and then press the OK button.

2 Select **Wi-Fi (Recommended)**.

3 Press the OK button to proceed.

4 Select **Wi-Fi Setup Wizard**.

5 Select the SSID for the wireless LAN router (access point) from the printer's control panel, and then press the OK button.

Note:
❏ *If the SSID you want to connect to is not displayed on the printer's control panel, select Search Again to update the list. If it is still not displayed, select Other SSIDs, and then enter the SSID directly.*

❏ *If you do not know the SSID, check if it is written on the label of the wireless router. If you are using the wireless router with its default settings, use the SSID written on the label.*

6 Enter the password.

Select whether or not you print a network connection report after finishing the settings.

Note:
❏ *The password is case-sensitive.*

❏ *If you do not know the network name (SSID) check if the information is written on the label of the wireless router. If you are using the wireless router with its default settings, use the SSID on the label. If you cannot find any information, see the documentation provided with the wireless router.*

7 If connection is complete, print a network connection diagnosis report if needed, and then finish.

Related information

Making Wi-Fi Settings by Push Button Setup

You can automatically set up a Wi-Fi network by pressing a button on the wireless router. If the following conditions are met, you can set up by using this method.

❏ The wireless router is compatible with WPS (Wi-Fi Protected Setup).

❏ The current Wi-Fi connection was established by pressing a button on the wireless router.

1 Select **Wi-Fi Setup** on the home screen.

To select an item, move the focus to the item using the ▲/▼/◀/▶ buttons, and then press the OK button.

2 Select **Wi-Fi (Recommended)**.

3 Press the OK button to proceed.

4 Select **Push Button (WPS)**.

5 Hold down the [WPS] button on the wireless router until the security light flashes.

If you do not know where the [WPS] button is, or there are no buttons on the wireless router, see the documentation provided with your wireless router for details.

6 Press the OK button on the printer's control panel. Follow the on-screen instruction hereafter.

> *Note:*
> *If connection fails, restart the wireless LAN router (access point), move it closer to the printer, and do the settings again. If it still does not work, print a network connection report and check the solution.*

Related information

U "Printing a Network Connection Report" on page 132

Setting Up Using Wi-Fi Auto Connect

This is a method to set up connections when the printer software is installed in the computer. Connects the printer to a wireless (Wi-Fi) network using a computer that is connected to the access point. Just do operations according to the screens that appear on your computer, without the trouble of inputting an SSID or security key.

Start the installer from the software disc or the website, and then follow the on-screen instructions to execute Wi-Fi Auto Connect from the printer's settings menus.

Access the Epson support website, and then search for your model. Download the software installer and run it, then set up the connection according to the on-screen instructions.

Making Wi-Fi Settings by PIN Code Setup (WPS)

You can automatically connect to an wireless router by using a PIN code. You can use this method to set up if an wireless router is capable of WPS (Wi-Fi Protected Setup). Use a computer to enter a PIN code into the wireless router.

1 Select **Wi-Fi Setup** on the home screen.

To select an item, move the focus to the item using the ▲/▼/◄/► buttons, and then press the OK button.

2 Select **Wi-Fi (Recommended)**.

3 Press the OK button to proceed.

4 Select **Others**.

5 Select **PIN Code (WPS)**.

6 Use your computer to enter the PIN code (an eight digit number) displayed on the printer's control panel into the wireless router within two minutes.

> *Note:*
> *See the documentation provided with your wireless router for details on entering a PIN code.*

7 Press the OK button on the printer's control panel.

Setup is complete when the setup completion message is displayed.

> *Note:*
> *If connection fails, restart the wireless LAN router (access point), move it closer to the printer, and do the settings again. If it still does not work, print a connection report and check the solution.*

Related information

U "Printing a Network Connection Report" on page 132

Printing a Network Connection Report

You can print a network connection report to check the status between the printer and the wireless router.

1 Load paper in the location set in **Printer Setup** - **Paper Source Settings** - **Paper path for maintenance printing**.

U "Basic Operations" on page 29

2 Select **Settings** on the home screen, and then press the OK button.

To select an item, move the focus to the item using the ▲/▼/◄/► buttons, and then press the OK button.

3 Select **Network Settings** - **Connection Check**.

The connection check starts.

4 Press the OK button to print the network connection report.

If an error has occurred, check the network connection report, and then follow the printed solutions.

Related information
U "Messages and Solutions on the Network Connection Report" on page 132

Messages and Solutions on the Network Connection Report

Check the messages and error codes on the network connection report, and then follow the solutions.
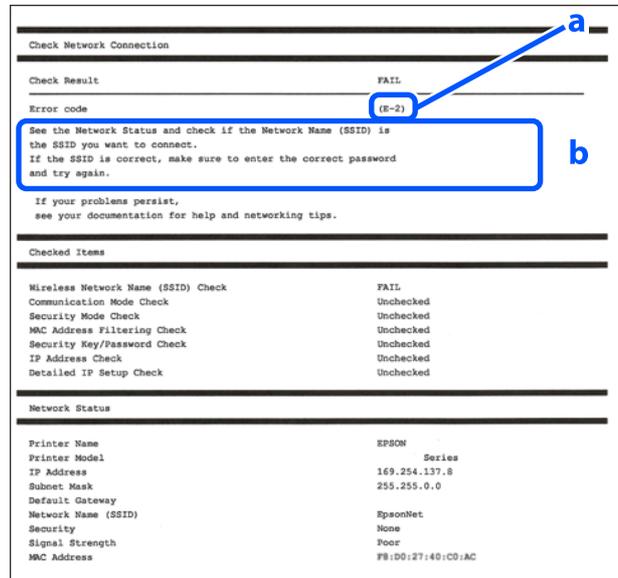
a. Error code
b. Messages on the Network Environment

Related information

U "E-1" on page 133

U "E-2, E-3, E-7" on page 133

U "E-5" on page 133

U "E-6" on page 134

U "E-8" on page 134

U "E-9" on page 134

U "E-10" on page 134

U "E-11" on page 134

U "E-12" on page 135

U "E-13" on page 135

U "Message on the Network Environment" on page 136

Wireless LAN Connection

E-1

Solutions:
❏ Make sure the Ethernet cable is securely connected to your printer and to your hub or other network device.

❏ Make sure your hub or other network device is turned on.

❏ If you want to connect the printer by Wi-Fi, make Wi-Fi settings for the printer again because it is disabled.

E-2, E-3, E-7

Solutions:
❏ Make sure your wireless router is turned on.

❏ Confirm that your computer or device is connected correctly to the wireless router.

❏ Turn off the wireless router. Wait for about 10 seconds, and then turn it on.

❏ Place the printer closer to your wireless router and remove any obstacles between them.

❏ If you have entered the SSID manually, check if it is correct. Check the SSID from the **Network Status** part on the network connection report.

❏ If an wireless router has multiple SSIDs, select the SSID that is displayed. When the SSID is using a noncompliant frequency, the printer does not display them.

❏ If you are using push button setup to establish a network connection, make sure your wireless router supports WPS. You cannot use push button setup if your wireless router does not support WPS.

❏ Makes sure your SSID uses only ASCII characters (alphanumeric characters and symbols). The printer cannot display an SSID that contains non-ASCII characters.

❏ Makes sure you know your SSID and password before connecting to the wireless router. If you are using a wireless router with its default settings, the SSID and password are located on a label on the wireless router. If you do not know your SSID and password, contact the person who set up the wireless router, or see the documentation provided with the wireless router.

❏ If you are connecting to an SSID generated from a tethering smart device, check for the SSID and password in the documentation provided with the smart device.

❏ If your Wi-Fi connection suddenly disconnects, check for the conditions below. If any of these conditions are applicable, reset your network settings by downloading and running the software from the Epson support website for your product.

  ❏ Another smart device was added to the network using push button setup.

  ❏ The Wi-Fi network was set up using any method other than push button setup.

Related information

E-5

Solutions:
Make sure the wireless router's security type is set to one of the following. If it is not, change the security type on the wireless router, and then reset the printer's network settings.

❏ WEP-64 bit (40 bit)

❏ WEP-128 bit (104 bit)

❏ WPA PSK (TKIP/AES)*

❏ WPA2 PSK (TKIP/AES)*

❏ WPA (TKIP/AES)

❏ WPA2 (TKIP/AES)

❏ WPA3-SAE (AES)

❑ WPA2/WPA3-Enterprise

*: WPA PSK is also known as WPA Personal. WPA2 PSK is also known as WPA2 Personal.

E-6

Solutions:
❑ Check if MAC address filtering is disabled. If it is enabled, register the printer's MAC address so that it is not filtered. See the documentation provided with the wireless router for details. You can check the printer's MAC address from the **Network Status** part on the network connection report.

❑ If your wireless router is using shared authentication with WEP security, make sure the authentication key and index are correct.

❑ If the number of connectable devices on the wireless router is less than the number of network devices that you want to connect, make settings on the wireless router to increase the number of connectable devices. See the documentation provided with the wireless router to make settings.

Related information
U "Connecting to a Computer" on page 126

E-8

Solutions:
❑ Enable DHCP on the wireless router if the printer's Obtain IP Address setting is set to Auto.

❑ If the printer's Obtain IP Address setting is set to Manual, the IP address you manually set is invalid due to out of range (for example: 0.0.0.0). Set a valid IP address from the printer's control panel or by using Web Config.

E-9

Solutions:
Check the following.

❑ Devices are turned on.

❑ You can access the Internet and other computers or network devices on the same network from the devices you want to connect to the printer.

If still does not connect your printer and network devices after confirming the above, turn off the wireless router. Wait for about 10 seconds, and then turn it on. Then reset your network settings by downloading and running the installer from the Epson support website for your product.

Related information
U "Connecting to a Computer" on page 126

E-10

Solutions:
Check the following.

❑ Other devices on the network are turned on.

❑ Network addresses (IP address, subnet mask, and default gateway) are correct if you have set the printer's Obtain IP Address to Manual.

Reset the network address if they are incorrect. You can check the IP address, subnet mask, and default gateway from the **Network Status** part on the network connection report.

If DHCP is enabled, change the printer's Obtain IP Address setting to Auto. If you want to set the IP address manually, check the printer's IP address from the **Network Status** part on the network connection report, and then select Manual on the network settings screen. Set the subnet mask to [255.255.255.0].

If still does not connect your printer and network devices, turn off the wireless router. Wait for about 10 seconds, and then turn it on.

E-11

Solutions:
Check the following.

❑ The default gateway address is correct if you set the printer's TCP/IP Setup setting to Manual.

❑ The device that is set as the default gateway is turned on.

Set the correct default gateway address. You can check the default gateway address from the **Network Status** part on the network connection report.

E-12

Solutions:
Check the following.

❏ Other devices on the network are turned on.

❏ The network addresses (IP address, subnet mask, and default gateway) are correct if you are entering them manually.

❏ The network addresses for other devices (subnet mask and default gateway) are the same.

❏ The IP address does not conflict with other devices.

If still does not connect your printer and network devices after confirming the above, try the following.

❏ Turn off the wireless router. Wait for about 10 seconds, and then turn it on.

❏ Make network settings again using the installer. You can download it from the Epson support website for your product.

❏ You can register several passwords on a wireless router that uses WEP security type. If several passwords are registered, check if the first registered password is set on the printer.

Related information
U "Connecting to a Computer" on page 126

E-13

Solutions:
Check the following.

❏ Network devices such as a wireless router, hub, and router are turned on.

❏ The TCP/IP Setup for network devices has not been set up manually. (If the printer's TCP/IP Setup is set automatically while the TCP/IP Setup for other network devices is performed manually, the printer's network may differ from the network for other devices.)

If it still does not work after checking the above, try the following.

❏ Turn off the wireless router. Wait for about 10 seconds, and then turn it on.

❏ Make network settings on the computer that is on the same network as the printer using the installer. You can download it from the Epson support website for your product.

❏ You can register several passwords on a wireless router that uses the WEP security type. If several passwords are registered, check if the first registered password is set on the printer.

Related information
U "Connecting to a Computer" on page 126

Message on the Network Environment

Message	Solution
The Wi-Fi environment needs to be improved. Turn the wireless router off and then turn it on. If the connection does not improve, see the documentation for the wireless router.	After moving the printer closer to the wireless router and removing any obstacles between them, turn off the wireless router. Wait for about 10 seconds, and then turn it on. If it still does not connect, see the documentation supplied with the wireless router.
*No more devices can be connected. Disconnect one of the connected devices if you want to add another one.	Computer and smart devices that can be connected simultaneously are connected in full in the Wi-Fi Direct (Simple AP) connection. To add another computer or smart device, disconnect one of the connected devices or connect it to the other network first. You can confirm the number of wireless devices which can be connected simultaneously and the number of connected devices by checking the network status sheet or the printer's control panel.
The same SSID as Wi-Fi Direct exists in the environment. Change the Wi-Fi Direct SSID if you cannot connect a smart device to the printer.	On the printer's control panel, go to Wi-Fi Direct Setup screen and select the menu to change the setting. You can change the network name following after DIRECT-XX-. Enter within 32 characters.

Replacing or Adding New Wireless Routers

If the SSID changes due to the replacement of a wireless router, or a wireless router is added and a new network environment is established, re-set the Wi-Fi settings.

Related information
U

Making Settings for Connecting to the Computer

We recommend using the installer to connect the printer to a computer. You can run the installer using one of the following methods.

❏ Setting up from the website
Access the Epson support website, and then search for your model. Download the software installer and run it, then set up the connection according to the on-screen instructions.

❏ Setting up using the software disc (only for the models that come with a software disc and users with computers with disc drives)
Insert the software disc into the computer, and then follow the on-screen instructions.

Making Settings for Connecting to the Smart Device

You can use the printer from a smart device when you connect the printer to the same Wi-Fi network (SSID) as the smart device. To use the printer from a smart device, see the following.

U

Problem Solver

When a Message Is Displayed

Messages Displayed on the Printer

If one of the following messages is displayed, read and follow the instructions below.

Message	What to do
There may be foreign material inside the printer. Check and remove it.	Some protective tape or protective materials may have been left inside the printer. Remove all the protective tape and protective materials, and then turn the power on again.
Paper that is not a standard size has been loaded. Reload or replace it.	❏ A size of roll paper that the printer cannot use may have been loaded. Correctly load a supported standard size of roll paper. U "How to Replace Roll Paper" on page 30 U "Supported Media" on page 163 ❏ The ends of the roll paper could have become uneven. Even up the ends of the roll paper, and then reload it onto the spindle unit. Or, use a new roll of paper. U "Notes when Loading Roll Paper" on page 29 U "How to Replace Roll Paper" on page 30
Print head may require maintenance. Perform a Print Head Nozzle Check.	Nozzles may be clogged because the print head unit was stopped for a long period outside the specified position. We recommend doing a nozzle check to check for clogged nozzles, and then to clean the heads if necessary. U "Print Head Nozzle Check and Cleaning" on page 78
Printing may have been done while the nozzles were clogged. Check the print results.	The print head's auto nozzle check function detected clogged nozzles. Check the print results and clean the print head if needed, and then start printing again. U "Print Head Nozzle Check and Cleaning" on page 78
Parts are nearing the end of their service life. XXXXXXX	The part number appears in XXXXXXXXXX. A part used in the printer is nearing its replacement time. The printer can be used until the replacement notice appears, but you will need to request repairs to do the replacement.
It is time to replace a printer part. XXXXXXX	The part number appears in XXXXXXXXXX. It is time to replace a part in the printer. Contact your dealer or Epson Support. Be sure to tell them the part number when you contact them.

Problem Solver

Message	What to do
Cannot check nozzle clogging or read barcodes.	Could not read the barcode of the Remaining Amount Management function or the check pattern of the Auto Nozzle Check function. Turn the printer's power off and then on again to use it.
	If you turn the power off and on several times and the same error occurs, then a sensor may be malfunctioning.
	Contact your dealer or Epson Support.
Cannot check nozzle clogging. For details, see your documentation.	Could not read the check pattern of the Auto Nozzle Check function.
	If necessary, stop printing and do a nozzle check.
	If you repeat this and the same error occurs, then a sensor may be malfunctioning.
	Contact your dealer or Epson Support.
Could not read the barcode correctly. Set paper type and remaining paper.	Could not read the barcode of the Remaining Amount Management function on the loaded roll paper.
	Reset the remaining amount, and then use the printer. Remove the printer cover to check the remaining amount, which is printed in text on the leading edge of the roll paper.
	If you repeat this and the same error occurs, then a sensor may be malfunctioning.
	Contact your dealer or Epson Support.
Printer error. Turn power off and on again. See documentation. XXXXXXX	A code number appears in XXXXXXXXXX according to the content of the error.
	Turn off the printer, disconnect the power cable from the outlet and from the AC inlet on the printer, and then reconnect it. Turn on the printer again multiple times.
	If the same code number appears again, contact your dealer or Epson Support. Be sure to tell them the code number when you contact them.
Adjustment canceled. There is a problem with the print head nozzles. For details, see documentation.	Clogs are not cleared even by repeatedly alternating nozzle checks and head cleaning.
	After leaving the printer alone and not printing for more than 12 hours, execute a nozzle check and head cleaning again. We recommend turning off the power and leaving the printer alone. If the situation does not improve, try doing power cleaning.
	If the clogs are not cleared even after executing power cleaning, then after not printing for more than 12 hours, print a nozzle check pattern. Then, depending on the condition of the printed pattern, execute cleaning or power cleaning again.
	If the situation is still not improved, then repairs are needed.
	Contact your dealer or Epson Support.
Ink low.	The ink is low. Prepare a new ink supply unit. You can continue printing until the replacement notice appears.
	U "Consumables and Optional Items" on page 162

Problem Solver

Message	What to do
Cannot recognize Ink Supply Unit. Try installing again.	❏ Reinstall the ink supply unit. If the same error occurs even after reinstalling the ink supply unit, then replace it with a new one (do not install a faulty ink supply unit). ⌱ "Replacing Ink Supply Units" on page 66 ❏ Condensation may have formed. Leave it for more than 3 hours at room temperature, and then reinstall it. ⌱ "Notes on Handling Ink Supply Units" on page 22
The Maintenance Box is nearing the end of its service life. You can continue printing until replacement is required.	There is little available space in the maintenance box. Prepare a new maintenance box. You can continue printing until the replacement notice appears. ⌱ "Consumables and Optional Items" on page 162
Cannot recognize the Maintenance Box.	Reinstall the maintenance box. If the same error occurs even after reinstalling the maintenance box, then replace it with a new one (do not install a faulty maintenance box). ⌱ "Replacing Maintenance Box" on page 67
Cannot start cleaning because the Maintenance Box is near full.	Cleaning cannot be executed because there is not enough available space in the maintenance box for the waste ink that is ejected during print head cleaning. To execute cleaning, replace the maintenance box with a new one. The maintenance box that was removed can be reinstalled and used again after cleaning is complete. ⌱ "Replacing Maintenance Box" on page 67
Some features may not be available. For details, see your documentation.	If **Paper Setup Auto Display** is disabled, you cannot use AirPrint.

Message Codes Displayed on the Screen

Message codes are displayed in the upper right part of the screen when there are notices or errors on the printer. Message codes are categorized as shown in the following table, and the various message codes appear when the printer is in the following conditions. When a message is displayed on screen, resolve the problem according to the message that appears.

Category	Message code	Status
Hardware related error at printer	E-01	Printer fatal error
	W-01	Paper jam error
Ink related error	W-11	Ink supply unit not installed error
	W-12	Ink supply unit recognition error
Sensor related error	W-41	Nozzle detection error
	W-42	
	W-43	
	W-44	Sensor module error
	W-45	
Image quality abnormality in sensor detection results	W-51	Abnormality during analysis
	W-52	
	W-53	

Problem Solver

Category	Message code	Status
Sensor related error	W-61	Error at nozzles or circuit board
	W-62	
	W-63	
	W-64	
	W-65	
Hardware related warning at printer	I-01	Temperature warning at nozzle clog detection not covered by warranty
Network related information	I-22	Wi-Fi Setup by Push Button (WPS)
	I-23	Wi-Fi Setup by PIN Code (WPS)
	I-31	Wi-Fi Setup by Wi-Fi Auto Connect
Sensor related warning	I-41	Sensor module warning

Error Messages (Windows)

When an error occurs while printing, you can check error messages on the computer that is connected to the printer.

To check error messages on the computer, open EPSON Status Monitor 3.

Click the utility icon in the Windows taskbar, and then click the printer's name - **EPSON Status Monitor 3**, in this order, to start EPSON Status Monitor 3.

EPSON Status Monitor 3
Error messages are displayed at the top of the screen. When an error message is displayed, check the solution on the screen and take the required measures.

Problem Solver

Check the printer's status, such as the remaining amount of ink, also.
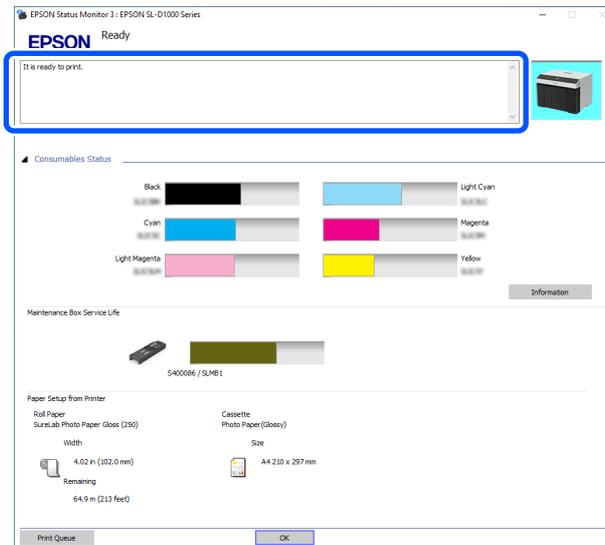
Error Messages (Mac)

When an error occurs while printing, you can check error messages on the computer that is connected to the printer.

To check error messages on the computer, start Maintenance Tool.

See the following for the procedure to start Maintenance Tool.

1 Click the Apple menu - **System Preferences** - **Printers & Scanners**, in this order.

2 Select the printer and click **Options & Supplies** - **Utility** - **Open Printer Utility**.

Problem Solver

Error messages are displayed at the top of the screen. When an error message is displayed, check the solution on the screen and take the required measures.
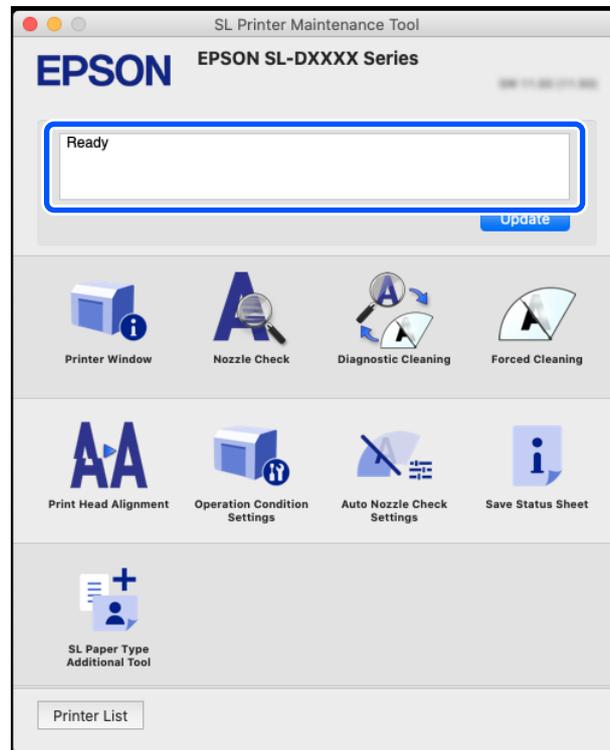
See the following for more details on Maintenance Tool.

U "Using the Maintenance Tool (Mac)" on page 95

Troubleshooting

When Paper Jams

This section explains how to clear paper jammed in the printer.

> ⚠ *Caution:*
> ❑ *Do not touch any areas inside the printer except for those indicated in the manual. An electric shock or burn could occur.*
>
> ❑ *When opening and closing the covers, do not place your hands near the points where the main unit and the cover join. If your fingers or hands are trapped, an injury could occur.*
>
> ❑ *When moving the roll paper unit in or out, grip the handle. If you place your hands into any other sections, either side of your hand or fingers could be injured.*

Screen Display When Paper Jams

When a paper jams, messages and illustrations are displayed on the screen of the control panel. The displayed information varies, as shown in the following table, according to the location of the jam and the type of paper being printed. Follow the steps described in the following section to implement the removal procedure according to the information shown.

The illustrations in the following table are displayed by pressing the ▼ button in the screen in which the message is displayed.

When printing on roll paper
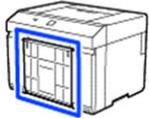
Message	Roll paper jammed. Remove it.
Illustration	
Removal procedure to implement	⤷ "Paper is Jammed in the Roll Paper Unit" on page 145

Message	Roll paper jammed. Remove it.
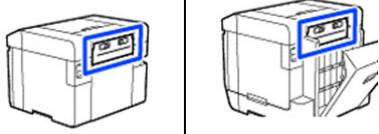
Illustration		When duplex feeder is installed
Removal procedure to implement	⤷ "Paper is Jammed in the Paper Feed Unit" on page 148	

Message	Roll paper jammed. Remove it.
Illustration	
Removal procedure to implement	⤷ "Paper Jammed Between the Paper Feed Unit and Platen" on page 150

Problem Solver

When printing on cut paper

Message	Paper jammed in Rear Paper Feed Slot. Remove it.
Illustration	When duplex feeder is installed
Removal procedure to implement	U "Paper is Jammed in the Paper Feed Unit" on page 148

Message	Paper jammed in Inside. Remove the jammed paper.
Illustration	When duplex feeder is installed
Removal procedure to implement	U "Paper Jammed Between the Paper Feed Unit and Platen" on page 150

Message	Paper jammed in Cassette. Remove it.
Illustration	When duplex feeder is installed
Removal procedure to implement	U "Paper Jammed Between the Rear Cover and the Paper Feed Unit" on page 155

If paper is jammed when the power is turned on, the following message appears.

If this happens, the location in which paper is jammed is not identified. Implement all of the removal procedures to remove any paper that is jammed.

Message	Paper jammed in Inside. Remove the jammed paper.

Illustration	When duplex feeder is installed

> **Important:**
> ❑ If a printer system error occurs, turn off the power for a moment, and then turn it on again to confirm whether the error persists, and then check if a paper jam has occurred.
> ❑ Do not remove paper forcibly when clearing paper jams. Otherwise, the printer could be damaged.
> ❑ If paper is jammed inside the printer where you cannot reach it with your hands, do not try to forcibly extract it yourself, contact your dealer or Epson Support.

Paper is Jammed in the Roll Paper Unit

Follow the steps below to solve the problem.

Problem Solver

1 Remove the scrap paper box.

2 Pull out the roll paper unit.

> **❗ Important:**
> *If you cannot pull out the roll paper unit, do not forcibly pull it out. Paper may be jammed inside. Refer to the next section to check for paper jams in the back cover of the duplex feeder, platen, and paper feed unit, and remove any jammed paper.*

3 Turn the handle on the left side of the roll paper unit in the direction of the arrow to rewind the roll paper.

Rewind the roll paper until the leading edge appears at the paper slot.
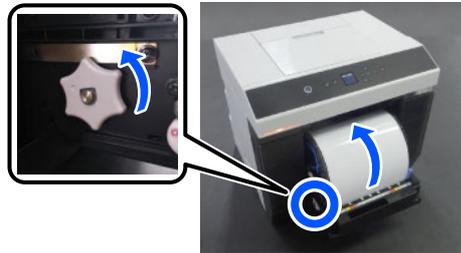
If it does not rewind, use scissors or something to cut the roll paper near the paper slot.

4 If the leading edge of the roll paper is ragged, cut it in a straight line with a pair of scissors or something.

Cut the paper as straight as possible.

Problem Solver

5   Remove the spindle unit.

6   Open the internal rear plate.
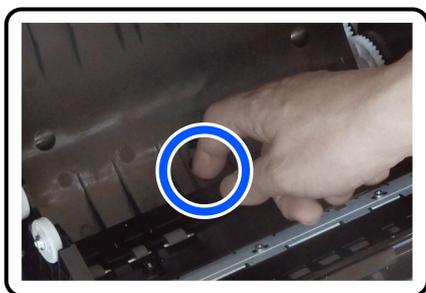
7   Check that there is no paper or scraps at the back of the inside of the printer.

If there is a jam, remove the paper slowly.
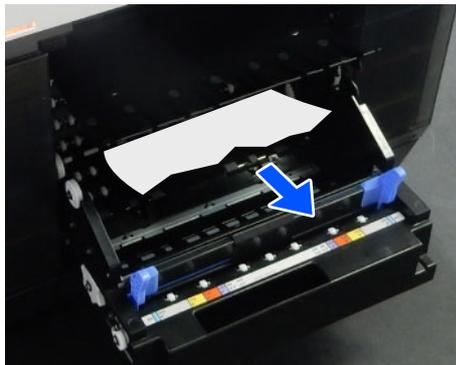
8   Open the front plate.

Place your finger in the hole at the bottom and lift to open.
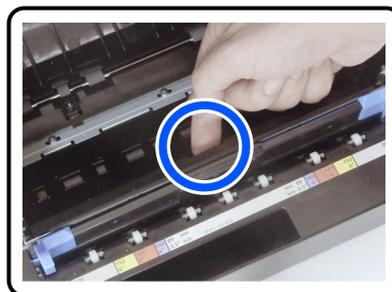
9   Check that there is no paper or scraps of paper inside the printer.

If there is a jam, remove the paper slowly.
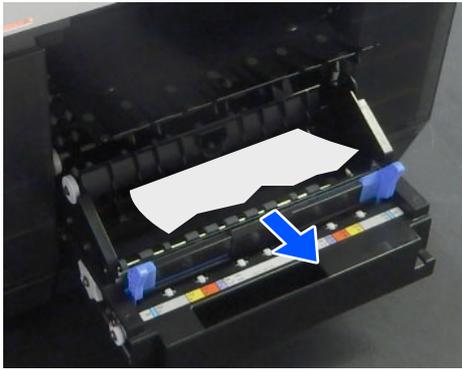
10 Replace the front and rear plates.

Press down until you hear it click into place.
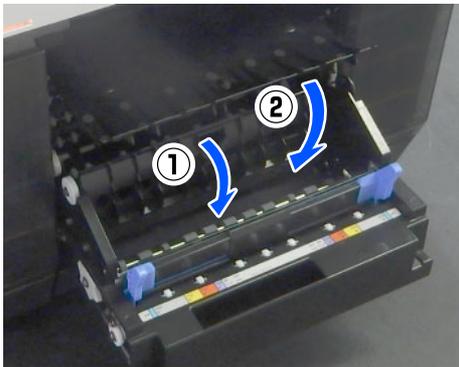
11 On the control panel screen, press the OK button.

The error is canceled and the home screen is displayed.

12 If there is a print job, press the ⊘ button to cancel the job.

13 Reload the roll paper.

See the following for the procedure to load the roll paper.

U "How to Replace Roll Paper" on page 30

14 Confirm that the status light is off.

Paper is Jammed in the Paper Feed Unit

Follow the steps below to solve the problem.

Checking for jammed paper

1 If the duplex feeder is installed, open the rear cover.

2 Remove the paper feed unit.

3 Check for jammed paper and paper scraps.

Removing jammed paper (roll paper)

1 Cut the jammed paper with scissors or something.

Problem Solver

2 Remove paper from the top side.

Remove it slowly.
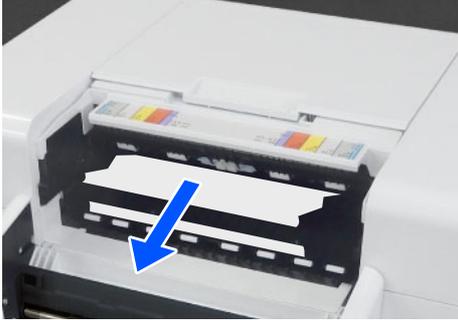
> **!** **Important:**
> *After cutting the paper, do not pull paper at the rear side out through the upper side. Follow the steps below to remove paper from the rear side.*

3 Move to the front, and remove the scrap paper box.

4 Pull out the roll paper unit.

5 Turn the handle on the left side of the roll paper unit in the direction of the arrow to rewind the paper.

Rewind the paper until the leading edge appears at the paper slot.
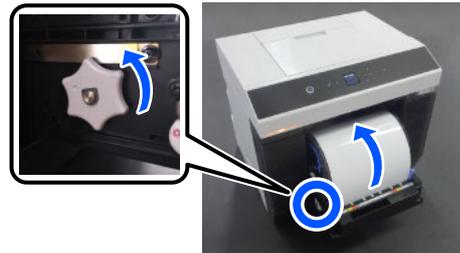
If it does not rewind, use scissors or something to cut the roll paper near the paper slot.

6 Move to the rear side, and install the paper feed unit.
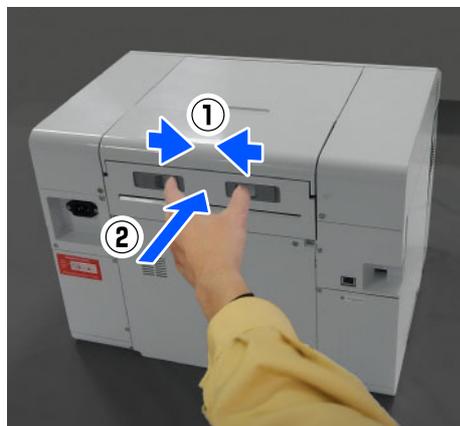
Problem Solver

7   If the duplex feeder is installed, close the rear cover.

8   Move to the front, and on the control panel screen, press the **OK** button.

The error is canceled and the home screen is displayed.

9   If there is a print job, press the ⊘ button to cancel the job.

10 Reload the roll paper.

See the following for the procedure to load the roll paper.

U "How to Replace Roll Paper" on page 30

11 Confirm that the status light is off.

Removing jammed paper (cut paper)

1   Remove jammed paper.

Remove it slowly.

2   Install the paper feed unit.
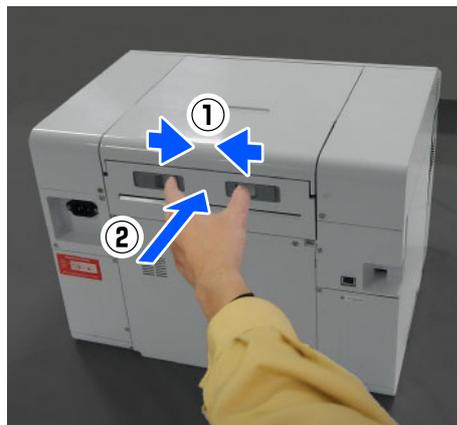
3   If the duplex feeder is installed, close the rear cover.

4   Move to the front, and on the control panel screen, press the **OK** button.

The error is canceled and the home screen is displayed.

5   Reload the cut paper.

See the following for the procedure to load the cut paper.

U "How to Load Cut Paper" on page 36

6   Confirm that the status light is off.

Paper Jammed Between the Paper Feed Unit and Platen

Follow the steps below to solve the problem.

Problem Solver

Checking for jammed paper

1   If the duplex feeder is installed, open the rear cover.

2   Remove the paper feed unit.
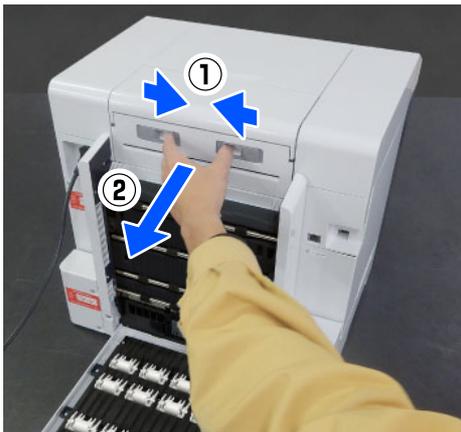
3   Remove the printer cover

Slide the printer cover backwards, and then remove it.

4   Check for jammed paper and paper scraps.

Removing jammed paper (roll paper)

1   If a lot of paper has been ejected from the front of the printer, cut the paper in front of the jam with a pair of scissors or something.
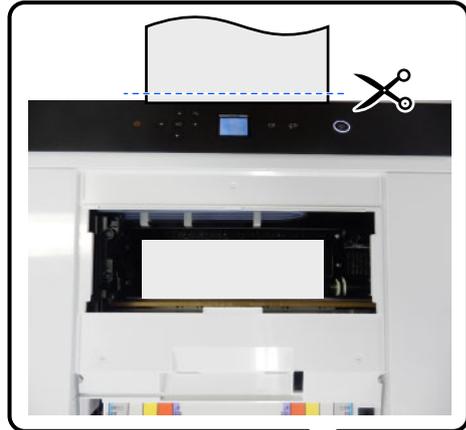
2   Slowly pull out, towards the rear, the remaining paper jammed at the top side.

If you have pulled out the paper, go to step 4.

If the paper is under the print head and cannot be easily removed, go to the next step.

3   Move the print head unit manually, and remove the paper towards the rear.

Move the print head unit to the left or right to the edge of the paper.
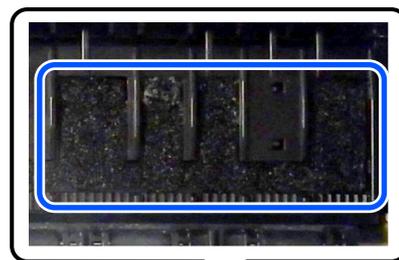
> **Important:**
> ❏ *If you cannot move the print head unit, do not try to force it to move, contact your dealer or Epson Support. Otherwise, the print head unit could be damaged.*
>
> ❏ *When removing the paper, do not touch the ink absorbing areas. Otherwise, the platen may get dirty which could make the back of the paper dirty.*
>
>
>
> ❏ *Do not touch the parts around the platen. Otherwise, it may break down or reduce print quality.*
>
>

4   Cut the paper you have pulled out with scissors or something.

Problem Solver

> **❗ Important:**
> *After cutting the paper, do not pull paper at the rear side out through the upper side. Follow the steps below to remove paper from the rear side.*

5   Move to the front, and remove the scrap paper box.

6   Pull out the roll paper unit.

7   Turn the handle on the left side of the roll paper unit in the direction of the arrow to rewind the paper.

Rewind the paper until the leading edge appears at the paper slot.
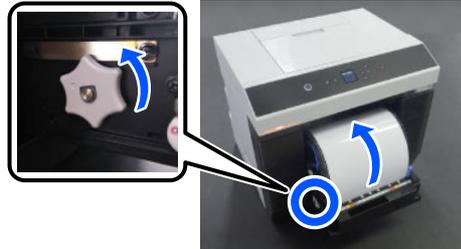
If it does not rewind, use scissors or something to cut the roll paper near the paper slot.

8   Move to the rear side, and install the printer cover.
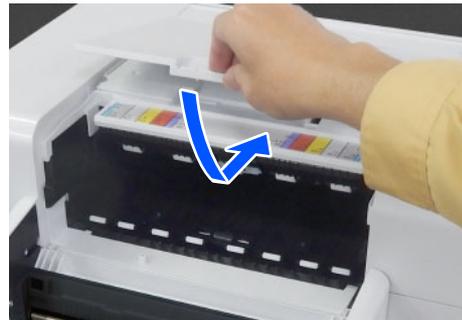
9   Install the paper feed unit.
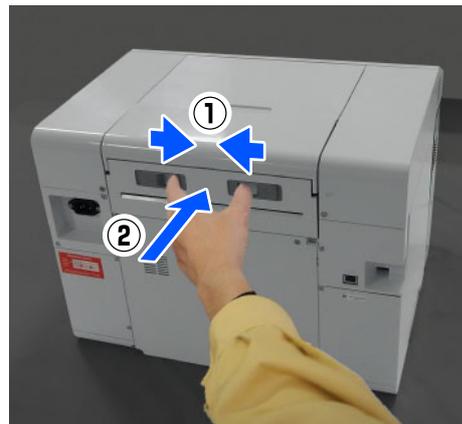
Problem Solver

10 If the duplex feeder is installed, close the rear cover.

11 Move to the front, and on the control panel screen, press the **OK** button.

The error is canceled and the home screen is displayed.

12 If there is a print job, press the ⊘ button to cancel the job.

13 Reload the roll paper.

See the following for the procedure to load the roll paper.

U "How to Replace Roll Paper" on page 30

14 Confirm that the status light is off.

Removing jammed paper (cut paper)

1 Remove jammed paper.

Remove it slowly to the rear.

If you have pulled out the paper, go to step 3.

If the paper is under the print head and cannot be easily removed, go to the next step.

2 Move the print head unit manually, and remove the paper towards the rear.

Move the print head unit to the left or right to the edge of the paper.

Problem Solver

> **⚠ Important:**
> ❏ *If you cannot move the print head unit, do not try to force it to move, contact your dealer or Epson Support. Otherwise, the print head unit could be damaged.*
>
> ❏ *When removing the paper, do not touch the ink absorbing areas. Otherwise, the platen may get dirty which could make the back of the paper dirty.*
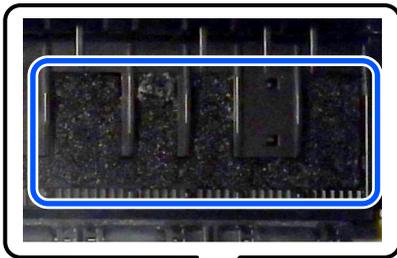
> ❏ *Do not touch the parts around the platen. Otherwise, it may break down or reduce print quality.*

3   Install the printer cover.

4   Install the paper feed unit.
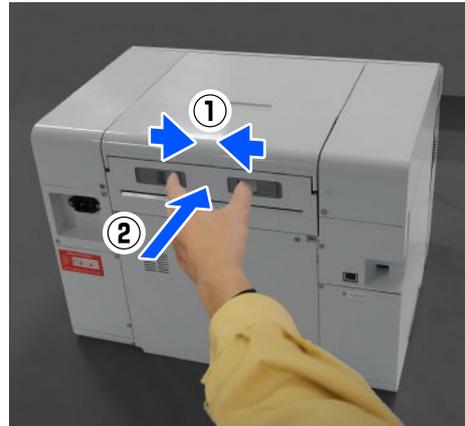
5   If the duplex feeder is installed, close the rear cover.

6   Move to the front, and on the control panel screen, press the **OK** button.

   The error is canceled and the home screen is displayed.

7   Reload the cut paper.

   See the following for the procedure to load the cut paper.

8   Confirm that the status light is off.

Paper Jammed Between the Rear Cover and the Paper Feed Unit

Follow the steps below to solve the problem.

Problem Solver

1   Open the rear cover of the duplex feeder.

2   Remove the paper feed unit.
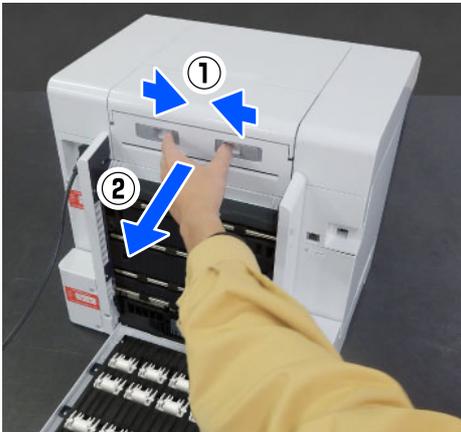
3   Check for jammed paper and paper scraps.

Remove the jammed paper slowly.

4   Install the paper feed unit.
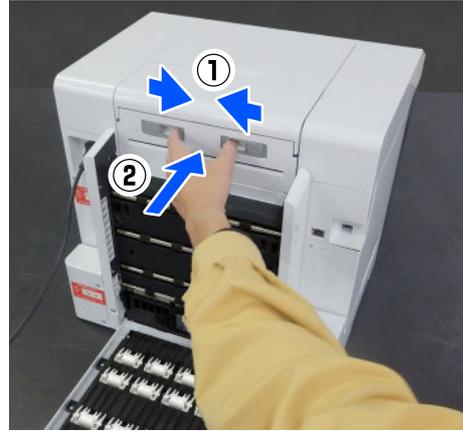
5   Close the rear cover.

6   Move to the front, and on the control panel screen, press the OK button.

The error is canceled and the home screen is displayed.

7   Reload the cut paper.

See the following for the procedure to load the cut paper.

8   Confirm that the status light is off.

You Cannot Print (Because the Printer Does Not Work)

The printer driver is not installed properly (Windows).

■ **Is the icon for this printer displayed in the Devices and Printers folder?**
- ❏ Yes

  The printer driver is installed. See the following item, "The printer is not connected correctly to the computer".

- ❏ No (An icon is displayed under "**Unspecified**")

  Do the following:

  (1) Open the Control Panel, and click **Hardware and Sound** - **Device Manager** - **Other devices**, in this order.

  (2) Right-click **EPSON SL-D1000 Series**, and then click **Update Driver Software**.

  (3) Click **Search automatically for updated driver software**.

  (4) After the driver software is updated, click **Close**.

  If the printer driver is still not installed even after taking the above measures, install the printer driver again.

■ **Does the printer port setting match the printer connection port?**
Check the printer port.

Click the **Port** tab on the printer's Properties screen, and check if the printer name's port is set.

If it is not indicated, the printer driver is not installed correctly.

Delete and reinstall the printer driver.

U "Uninstalling Software" on page 27

The printer driver is not installed properly (Mac).

■ **Is the printer added to the printer list?**
Click the Apple menu - **System Preferences** - **Printers & Scanners**, in this order.

If the printer name is not displayed, add the printer.

The printer is not communicating with the computer.

■ **Is the cable plugged in properly?**
Confirm that the interface cable is securely connected to both the printer port and the computer. Also, make sure the cable is not broken nor bent. If you have a spare cable, try connecting with the spare cable.

The printer has an error.

■ **View the message displayed in the control panel.**
U "Control Panel" on page 16

U "When a Message Is Displayed" on page 138

The printer stops printing.

■ **Is the status of print queue Pause? (Windows)**
If you stop printing or the printer stops printing because of an error, the print queue enters a **Pause** status. You cannot print in this status.

Double-click the printer icon in the **Devices and Printers** folder; if printing is paused, open the **Printer** menu and clear the **Pause** check box.

■ **Does the current printer status show Paused? (Mac)**
Open the status dialog for your printer and check whether printing is paused.

(1) Click the Apple menu - **System Preferences** - **Printers & Scanners**, in this order.

(2) Double-click the icon for any printer that is **Paused**.

(3) Click **Resume Printer**.

The printer is offline.

■ **Has the computer entered sleep mode?**
Do not allow the computer to enter sleep mode. When the computer enters sleep mode, the printer may go offline.

If the printer goes offline, reboot your computer. If the printer is still offline even after rebooting your computer, turn the printer off and then on again.

The Printer Sounds Like It Is Printing, but Nothing Prints

The print head moves, but nothing prints.

■ **Confirm the printer operation.**
Print a nozzle check pattern, and then check the printer's operations and print conditions.

❑ When printing from the printer

U "Print Head Nozzle Check and Cleaning" on page 78

❑ When printing from Maintenance Tool (Windows)

U "Print Nozzle Check Pattern Method" on page 90

❑ When printing from Maintenance Tool (Mac)

U "Print Nozzle Check Pattern Method" on page 104

Check the next section if the nozzle check pattern is not printed correctly.

The nozzle check pattern is not printed correctly.

■ **Perform head cleaning.**
The nozzles may be clogged. Print a nozzle check pattern again after performing head cleaning.

❑ When executing cleaning from the printer

U "Print Head Nozzle Check and Cleaning" on page 78

❑ When executing cleaning from Maintenance Tool (Windows)

U "Diagnostic Cleaning" on page 91

❑ When executing cleaning from Maintenance Tool (Mac)

U "Diagnostic Cleaning" on page 105

Cannot Do Borderless Printing

■ **Is the paper loaded correctly?**
Follow the procedures below to load the paper in the correct position. Borderless printing cannot be done if paper is loaded in the wrong position.

U "Attaching the Roll Paper" on page 31

U "Installing the Spindle Unit" on page 33

U "How to Load Cut Paper" on page 36

■ **Are you using paper that supports borderless printing?**
Borderless printing can only be done on the printer with supported paper. See the following and use paper that supports borderless printing.

U "Supported Media" on page 163

The Prints Are Not What You Expected

Print quality is poor, uneven, too light, or too dark.

■ **Are the print head nozzles clogged?**
If the nozzles are clogged, specific nozzles do not fire ink and the print quality declines. Try doing a nozzle check.

❑ For Windows

U "Nozzle Check Methods" on page 89

❑ For Mac

U "Nozzle Check Methods" on page 103

■ **Are the Media Type settings correct?**
Print quality can be affected if the media settings in the printer driver/on the printer and the actual paper do not match. Be sure to match the media type setting with the paper that is loaded in the printer.

■ **Are you using a recommended (genuine) ink supply unit?**
This printer is developed for use with genuine ink supply units.

If you use non-genuine products, the prints may smear, or the color of the printed image may be changed because the remaining ink level is not correctly detected. Be sure to use the correct ink supply units.

■ **Are you using an old ink supply unit?**
The print quality declines when an old ink supply unit is used. Replace the ink supply unit with a new one. We recommend using ink supply units before the expiry date printed on the package.

U "Replacing Ink Supply Units" on page 66

■ **Have you compared the printing result with the image on the display monitor?**
Since monitors and printers produce colors differently, printed colors will not always match on-screen colors perfectly.

The color is not exactly the same as another printer.

■ **Colors vary depending on the printer type due to each printer's characteristics.**
Because inks, printer drivers, and printer profiles are developed for each printer model, the colors printed by different printer models are not exactly the same.

The print is not positioned properly on the media.

■ **Have you specified the print area?**
Check the print area in the settings of the application and the printer.

■ **Are the Paper Size settings correct?**
If the **Paper Size** in the printer driver and the paper size (width) loaded in the printer do not match, the print position may misalign or some of the data may not be printed. In this case, check the print settings.

The printed surface is scuffed or soiled.

■ **Is the paper too thick or too thin?**
Check that the paper specifications are compatible with this printer.

U "Supported Media" on page 163

The reverse side of the printed paper is soiled.

■ **Has paper dust collected on the platen?**
Clean the platen and roll paper unit.

U "Cleaning the Platen and Roll Paper Unit" on page 70

The paper is creased.

■ **Are you using the printer at normal room temperature?**
The printer should be used at normal room temperature (temperature: 15 to 25 °C, humidity: 40 to 60%). For information about paper, such as thin paper from other manufacturers that requires special handling, see the documentation supplied with the paper.

Margins appear in borderless printing.

■ **Are the settings for the print data in the application correct?**
Make sure that the paper settings in the application are correct as well as in the printer driver.

U "Borderless Printing on All Sides" on page 54

Trouble when Printing from a Cassette

Scratch-like marks appear on the back side of two-sided photo paper during printing.

■ **Are you using the correct feed rollers?**
Scratch-like marks may appear on the back side of two-sided photo paper during printing if you are using the feed rollers for card stock. Install the feed rollers for photo paper, and then print.

U "Cleaning and Replacing the Rollers in the Duplex Feeder (Option)" on page 72

Problem Solver

■ **Are you using the printer within its environmental conditions?**
High humidity in the printer's operating environment is very likely to cause these marks. Check whether the humidity is within the environmental conditions, and lower the humidity as necessary to use the printer.

U "Specifications Table" on page 169

■ **Did you riffle the paper before loading it in the cassette?**
Marks may appear if sheets of paper are stuck to each other in the stacks of paper loaded in the cassette. Before loading the paper, riffle it to unstick it.

U "Loading in the Cassette (Option)" on page 36

■ **Increase the number of sheets of paper in the cassette.**
Depending on the type of paper being used, the marks may appear if there is too little paper in the cassette. Before printing, increase the number of sheets of paper in the cassette to about 50 sheets.

U "Loading in the Cassette (Option)" on page 36

Paper does not feed.

■ **Is the paper loaded correctly?**
❏ Load paper that can be used on the printer.

❏ Follow the notes on handling paper.

❏ Do not load more than the allowable amount of paper.

❏ Match the paper size and paper type settings on the machine to the paper that is actually loaded.

U "Supported Media" on page 163

U "Notes on Paper" on page 20

U "How to Load Cut Paper" on page 36

■ **Are you using the correct feed rollers?**
Card stock may not feed correctly during printing if you are using the feed rollers for photo paper. Install the feed rollers for card stock, and then print.

U "Cleaning and Replacing the Rollers in the Duplex Feeder (Option)" on page 72

■ **Clean the feed rollers and transfer rollers.**
The paper feed trouble may occur if the feed rollers or transfer rollers are dirty, such as with paper dust. Clean the surfaces of the rollers.

U "Cleaning the Feed Rollers and Transfer Rollers" on page 76

■ **The feed rollers need to be replaced with new ones.**
If paper does not feed even after doing the following, then replace the feed rollers with new ones.

❏ Is the paper loaded correctly in the cassette?

❏ Are you using the feed roller that is appropriate for the type of paper?

❏ Have the feed rollers and transfer rollers been cleaned?

U "Consumables and Optional Items" on page 162

U "Replacing Feed Rollers" on page 72

Troubles when Cutting Roll Paper

The cut is crooked, the cut edge is frayed or turned up, or the coating is cracked.

■ **The cutter needs to be replaced.**
Contact your dealer or Epson Support to replace the cutter.

Cannot print from smart device even though it is connected (iOS)

■ **Paper Setup Auto Display is disabled.**
Enable **Paper Setup Auto Display** in the following menu on the control panel.

Settings - **Printer Setup** - **Paper Source Settings** - **Paper Setup Auto Display**

■ **AirPrint is disabled.**
Enable the AirPrint setting on Web Config.

U Administrator's Guide

Others

The administrator password has been lost.

■ | **Contact your dealer or Epson Support.**
The initial value for the administrator's password is the product's serial number. If you forget the password after it was changed from the product serial number, contact your dealer or Epson Support.

If the **Lock Setting** is **Off**, then you can execute **Clear All Data and Settings** without inputting the admin password. Doing this returns all the settings, including the admin password, to their initial values.

U"Control Panel Menu" on page 113

If Troubles Are Not Resolved

If you cannot resolve a problem after taking the measures described in the "Troubleshooting" section, contact your dealer or Epson Support.

Appendix

Consumables and Optional Items

The following consumable products and optional items are available for use with your printer. (As of August, 2021)

Ink supply unit

This printer is developed for use with genuine ink supply units.

If you use non-genuine ink supply units, the print result may be faint, or the ink remaining may not be detected normally.

Model name	Ink color	Product number
SL-D1070 SL-D1070DE	Black	T46J120
	Cyan	T46J220
	Magenta	T46J320
	Yellow	T46J420
	Light Cyan	T46J520
	Light Magenta	T46J620

Others

Product name	Product number	Explanation
Maintenance Box	C13S400086	Absorbs ink consumed during head cleaning. U "Replacing Maintenance Box" on page 67
Spindle Unit	C12C935981/ C12C936481*	The same as the spindle unit supplied with the printer. Remove the tape before use.
Duplex Feeder	C12C936001/ C12C936491/ C12C936011*	This unit is installed to print on both sides of the paper automatically.
Roller Assembly Kit	C13S210124	This part is for replacing the roller in the feed unit of the duplex feeder. Use this part when printing on paper other than card stock.
Roller Assembly Kit 2	C13S210137	This part is for replacing the roller in the feed unit of the duplex feeder. Use this part when printing on card stock.

*   Model numbers vary depending on the country or region in which you live.

Appendix

Supported Media

We recommend you use the following Epson special media for high-quality printing results.

The following paper can be used with the printer. (As of August, 2021)

Attention: For the most recent information on available media, visit the Epson website.

Note:
If you are using Epson Connect, then printing is possible on only the following sizes of roll paper.

Email Print: 3.5 x 5 in (9 x 13 cm), 4 x 6 in (10 x 15 cm)

Remote Print: A4 210 x 297 mm, 3.5 x 5 in (9 x 13 cm), 4 x 6 in (10 x 15 cm), 5 x 7 in (13 x 18 cm), 8 x 10 in (20 x 25 cm)

Epson Special Media

Roll Paper

Name of paper	Size	Borderless Printing	ICC profile
SureLab Photo Paper Gloss (250)	3.5 in (89 mm)	✓	Epson_SL-D1000_PhotoPaperGloss.icc
	4 in (102 mm)	✓	
	5 in (127 mm)	✓	
	6 in (152 mm)	✓	
	8 in (203 mm)	✓	
	A4	✓	
SureLab Photo Paper Luster (250)	3.5 in (89 mm)	✓	Epson_SL-D1000_PhotoPaperLuster.icc
	4 in (102 mm)	✓	
	5 in (127 mm)	✓	
	6 in (152 mm)	✓	
	8 in (203 mm)	✓	
	A4	✓	

Appendix

Cut sheet

Name of paper	Size	Loading orientation	Number of sheets that can be loaded in the cassette	Two-sided Printing	Borderless Printing	ICC profile
SureLab Photo Paper Gloss - DS(225)	A5 148 x 210 mm	Horizontal	100	✓	✓	Epson_SL-D1000_ PhotoPaperGloss_ DS.icc
	A4 210 x 297 mm	Vertical	100	✓	✓	
	4 x 6 in (10 x 15 cm)	Vertical	100	✓	✓	
	5 x 7 in (13 x 18 cm)	Vertical	100	✓	✓	
	8 x 10 in (20 x 25 cm)	Vertical	100	✓	✓	
	6 x 6 in (152 x 152 mm)	Vertical	100	✓	✓	
	8.3 x 8.3 in (210 x 210 mm)	Vertical	100	✓	✓	
SureLab Photo Paper Gloss - DS(190)	A5 148 x 210 mm	Horizontal	100	✓	✓	Epson_SL-D1000_ PhotoPaperGloss_ DS.icc
	A4 210 x 297 mm	Vertical	100	✓	✓	
	4 x 6 in (10 x 15 cm)	Vertical	100	✓	✓	
	5 x 7 in (13 x 18 cm)	Vertical	100	✓	✓	
	8 x 10 in (20 x 25 cm)	Vertical	100	✓	✓	
	6 x 6 in (152 x 152 mm)	Vertical	100	✓	✓	
	8.3 x 8.3 in (210 x 210 mm)	Vertical	100	✓	✓	

Appendix

Name of paper	Size	Loading orientation	Number of sheets that can be loaded in the cassette	Two-sided Printing	Borderless Printing	ICC profile
SureLab Photo Paper Luster - DS(225)	A5 148 x 210 mm	Horizontal	100	✓	✓	Epson_SL-D1000_ PhotoPaperLuster _DS.icc
	A4 210 x 297 mm	Vertical	100	✓	✓	
	4 x 6 in (10 x 15 cm)	Vertical	100	✓	✓	
	5 x 7 in (13 x 18 cm)	Vertical	100	✓	✓	
	8 x 10 in (20 x 25 cm)	Vertical	100	✓	✓	
	6 x 6 in (152 x 152 mm)	Vertical	100	✓	✓	
	8.3 x 8.3 in (210 x 210 mm)	Vertical	100	✓	✓	
SureLab Photo Paper Luster - DS(190)	A5 148 x 210 mm	Horizontal	100	✓	✓	Epson_SL-D1000_ PhotoPaperLuster _DS.icc
	A4 210 x 297 mm	Vertical	100	✓	✓	
	4 x 6 in (10 x 15 cm)	Vertical	100	✓	✓	
	5 x 7 in (13 x 18 cm)	Vertical	100	✓	✓	
	8 x 10 in (20 x 25 cm)	Vertical	100	✓	✓	
	6 x 6 in (152 x 152 mm)	Vertical	100	✓	✓	
	8.3 x 8.3 in (210 x 210 mm)	Vertical	100	✓	✓	

Other Commercially Available Paper

Use other commercially available paper that meets the specifications of the printer.

U

And, add these paper types before using them.

U

> **!** *Important:*
> ❏ *Do not use paper that is wrinkled, scuffed, torn, or dirty.*
>
> ❏ *Paper types that are within the range of the printer's specifications can be loaded, but paper feeding and print quality are not guaranteed.*

Roll Paper

General name of paper	Name of paper*1	Borderless Printing	ICC profile
Matte photo paper	Photo Paper(Matte)	✓	Epson_SL-D1000_PhotoPaperMatte.icc

Cut sheet

General name of paper	Name of paper*1	Two-sided Printing	Borderless Printing*2	ICC profile
Matte photo paper	Photo Paper(Matte)	✓	✓	Epson_SL-D1000_PhotoPaperMatte.icc
Glossy photo paper	Photo Paper(Glossy)	-	✓	Epson_SL-D1000_PhotoPaperGloss.icc
Card stock	Card Stock(Plain)	✓	✓	Epson_SL-D1000_Standard.icc
Glossy card stock*3	Card Stock(Coated)	-	✓	Epson_SL-D1000_Standard.icc

*1 Name selected in the paper type settings in the menus on the printer and the printer driver.

*2. Supported paper widths: 3.5, 4, 5, 6, 8, and 8.26 in (89, 102, 127, 152, 203, 210 mm)

*3 Not supported in the cassette. Print on it from the rear paper feed slot.

Moving and Transporting the Printer

This section describes how to move and transport the product.

⚠️ *Caution:*
- ❑ *When lifting this printer, make sure you use the correct posture.*
- ❑ *When lifting the product, place your hands in from the front of the printer as shown in the manual.*
  If you hold any other areas, the printer may fall or your fingers could be trapped and damaged when placing the printer.
- ❑ *Do not tilt the product more than 10 degrees forward, back, left, or right while moving it. Failure to observe this precaution could result in the printer falling over, causing accidents.*

❗ *Important:*
- ❑ *Only hold the required area. Otherwise, it may breakdown.*
- ❑ *Move the printer while the ink supply units are installed. If the ink supply units are removed, the nozzles may clog so printing is not possible or ink may leak.*
- ❑ *Do not tilt the product when moving or transporting it. Ink could leak out.*

Moving the Printer

This section explains how to move the printer over short distances, such as to a different location within the same building.

Appendix

Preparing to Move

Make the following preparations in advance before moving the printer.

❏ Remove all paper from the printer.

❏ Close all the printer's covers and store the output tray.

❏ Turn off the printer and remove all cables.

How to carry the printer

When lifting the printer to move it, place your hands at the points indicated in the illustration. Also, place your hands so the front of the printer is facing your body, so the scrap paper box does not accidently fall out.

When duplex feeder (option) is installed
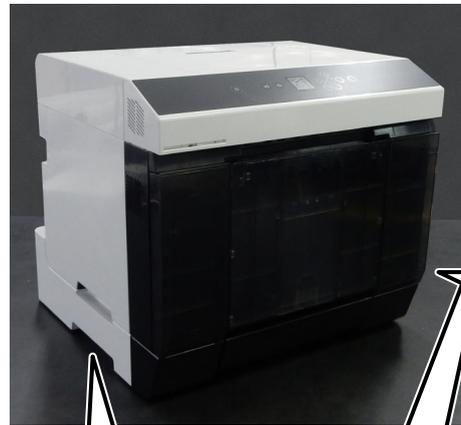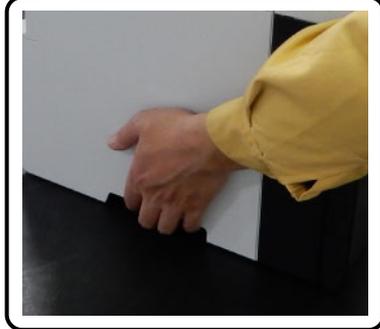
Operations after Moving

After moving, make sure that the print head is not clogged before use.

U "Print Head Nozzle Check and Cleaning" on page 78

Transport

Before transporting the printer, contact your dealer or Epson Support.

System Requirements

Software for this printer can be used in the following environments. (As of August, 2021)

Supported OS and other elements may change.

For the latest information, see the Epson Web site.

Printer Driver

Windows

Operating system	Windows 10/Windows 10 x64
	Windows 8.1/Windows 8.1 x64
CPU	Intel Core2 Duo 3.0 GHz or better
Available memory space	1 GB or more
Hard disk (Available volume to install)	2 GB or more
Display resolution	SXGA (1280×1080) or better
Connection method with the printer*	USB connection, or wired or wireless LAN connection

* For details on the connection methods (interface specifications), see the following.
U "Specifications Table" on page 169

Mac

Operating system	OS X 10.9.5 Mavericks or later
CPU	Intel Core2 Duo 2.0 GHz or better
Memory	2 GB or more
Hard disk (Available volume to install)	2 GB or more
Display resolution	WXGA+ (1440×900) or better
Connection method with the printer*	USB connection, or wired or wireless LAN connection

* For details on the connection methods (interface specifications), see the following.
U "Specifications Table" on page 169

Appendix

Maintenance Tool

Windows

Operating system	Windows 10/Windows 10 x64
	Windows 8.1/Windows 8.1 x64
CPU	Intel Core2 Duo 3.0 GHz or better
Available memory space	1 GB or more
Hard disk (Available volume to install)	2 GB or more
Display resolution	SXGA (1280×1080) or better
Connection method with the printer*	USB connection, or wired or wireless LAN connection

* For details on the connection methods (interface specifications), see the following.

Mac

Operating system	OS X 10.9.5 Mavericks or later
CPU	Intel Core2 Duo 2.0 GHz or better
Memory	2 GB or more
Hard disk (Available volume to install)	2 GB or more
Display resolution	WXGA+ (1440×900) or better
Connection method with the printer*	USB connection, or wired or wireless LAN connection

* For details on the connection methods (interface specifications), see the following.

Web Config

Use the latest version of browser.

Windows

Browser	Internet Explorer 11, Microsoft Edge, Mozilla Firefox, Google Chrome

Mac

Browser	Safari, Mozilla Firefox, Google Chrome

Specifications Table

Basic specifications	
Printing method	On-demand ink jet
Nozzle configuration	180 nozzles for each color
Highest resolution	1440 x 720 dpi

Appendix

Basic specifications	
Paper feed method	Friction feed

> **Important:**
> *Use this printer at an altitude of up to 2000 m.*

> **Warning:**
> *This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.*

Electrical Specifications	
Rated voltage	AC 100 to 240 V
Rated frequency range	50/60 Hz
Rated current	1.4 A
Power consumption	Operating: Approximately 80 W When standing by: Approximately 14 W Sleep mode: Approximately 1.2 W Power off: Less than 0.2 W

Appendix

Interface Specifications	
USB port	Hi-Speed USB
Wired LAN compliance standard	10BASE-T (IEEE802.3i)
	100BASE-TX (IEEE802.3u)
	Energy Efficient Ethernet (IEEE802.3az)[*1]
Wireless LAN	

	Standards	SL-D1000, SL-D1030: IEEE802.11b/g/n
		SL-D1040, SL-D1060, SL-D1070, SL-D1070DE, SL-D1080, SL-D1090: IEEE802.11b/g/n/a/ac
	Frequency band	IEEE802.11b/g/n: 2.4GHz
		IEEE802.11a/n/ac: 5GHz
	Maximum radio-frequency power transmitted	2.4GHz: 2400-2483.5 MHz: 20 dBm (EIRP)
		5GHz: 5150-5250 MHz: 20 dBm (EIRP) 5250-5350 MHz: 20 dBm (EIRP) 5470-5725 MHz: 20 dBm (EIRP)
	Wireless module	SL-D1000, SL-D1030: J26H006
		SL-D1040, SL-D1060, SL-D1070, SL-D1070DE, SL-D1080, SL-D1090: J26H005
	Connection mode	Infrastructure
		Wi-Fi Direct (simple AP mode)[*2]
	Wireless security	WEP (64/128bit)
		WPA-PSK (TKIP)
		WPA2-PSK (AES)
		WPA3-SAE (AES)
		WPA2-Enterprise (AES) (EAP-TLS/PEAPTLS/PEAPMSCHAPv2/EAP-TTLS)
		WPA3-Enterprise
	Network printing protocols/functions[*3]	EpsonNet Print (Windows)
		Standard TCP/IP (Windows)
		Bonjour (Mac)
		IPP Printing (Windows, Mac)
		Mopria Print (Mopria device)
		Chromebook native printing
		AirPrint (iOS, Mac)
	Security standards/protocols	SSL/TLS: HTTPS Server/Client IPPS Server SMTPS Client STARTTLS (SMTPS)
		IEEE802.1X
		IPsec/IP Filtering
		SNMPv3

*1 The connected device must comply with IEEE802.3az standards.

*2 IEEE802.11b is not supported.

Appendix

*3 EpsonNet Print supports IPv4 only. The others support both IPv4 and IPv6.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

For European users
Radio Equipment Information:
This product intentionally emit radio wave described as follows.

(a) frequency band in which the radio equipment operates; 2.4 to 2.4835GHz

(b) maximum radio-frequency power transmitted in the frequency band in which the radio equipment operates; 20dBm (eirp power)

Roll paper unit Specifications	
Loadable sizes	3-inch roll core Outside diameter of 6.7 inches (170 mm) or less One roll can be loaded
Roll paper width	3.5 inches (89 mm), 4 inches (102 mm), 5 inches (127 mm), 6 inches (152 mm), 8 inches (203 mm), A4 (210 mm)
Roll paper thickness	0.0086 to 0.0098 inches (0.22 to 0.25 mm)

Paper feed unit Specifications	
Paper Width	3.5 to 8.26 inches (89 to 210 mm)
Paper Height	5.8 to 39.37 inches (148 to 1000 mm)
Paper Thickness	0.008 to 0.02 inches (0.20 to 0.50 mm)

Output tray Specifications	
Capacity	Roll Paper: 4 x 6 in (10 × 15 cm) 50 sheets Length 8 in (203 mm) or less 50 sheets Length 8.1 in (203.1 mm) to 12 in (305 mm) 20 sheets Cut sheet: Length 12 in (305 mm) or less 20 sheets
Paper Size	Standard size: A4 (210×297 mm) or less Non-standard size: Width 3.5 in (89 mm) to A4 (210 mm), length: 1.9 in (50 mm) to 12 in (305 mm)

Ink Specifications	
Type	Ink supply unit
Ink type	Six color water-based dye
Use by date	Three years after manufacture

Appendix

Ink Specifications	
Storage temperature	Stored in packaging: –4 to 104 °F (–20 to 40 °C) (4 days or less at 4 °F (–20 °C), 1 month or less at 104 °F [40 °C])
	Installed in printer: –4 to 104 °F (-20 to 40 °C) (4 days or less at –4 °F [–20 °C], 1 month or less at 104 °F [40 °C])
	Transported in packaging: –4 to 140°F (–20 to 60 °C) (4 days or less at –4 °F [–20 °C], 1 month or less at 104°F [40 °C], 72 hours or less at 140°F [60 °C])
Capacity	250 ml
Dimensions	3.19 (W) x 10.37 (D) x 1.27 (H) inches (81 (W) x 263.3 (D) x 32.3 [H] mm)

> ❗ **Important:**
> ❏ *The ink freezes if left at below 14 °F (-10 °C) for a long time. If it does freeze, leave it at room temperature (77 °F [25 °C]) for at least three hours until it has defrosted (without condensation).*
>
> ❏ *Do not disassemble ink supply units or refill them with ink.*

General Specifications	
Temperature	Operating: 50 to 95 °F (10 to 35 °C)
	Storage (before unpacking): –4 to 140 °F (–20 to 60 °C) (within 120 hours at 140 °F [60 °C], one month at 104 °F [40 °C])
	Storage (after unpacking): –4 to 104 °F (–20 to 40 °C) (within one month at 104 °F [40 °C])
Humidity	Operating: 20 to 80% (without condensation)
	Storage (before unpacking): 5 to 85% (without condensation)
	Storage (after unpacking): 5 to 85% (without condensation)
Weight	Main unit: 38.8 lbs (17.6 kg) (ink not included)
Dimensions	Main unit: 18.1 (W) x 14.7 (D) x 13.5 (H) in (460 [W] x 374 [D] x 343 [H] mm)
Installed software version	E1.1930.0001

Duplex feeder Specifications	
Paper Width	3.5 to 8.3 in (89 to 210 mm)
Paper Height	5.8 to 11.7 in (148 to 297 mm)
Paper Thickness	0.0078 to 0.01 in (0.20 to 0.265 mm)
Weight	10.8 lbs (4.9 kg)
Dimensions	18.1 (W) x 16.9 (D) x 14.4 (H) in (460 [W] x 428 [D] x 365 [H] mm)

> ⚠ **Warning:**
> *This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.*

Appendix

Necessary Space

When duplex feeder (option) is installed
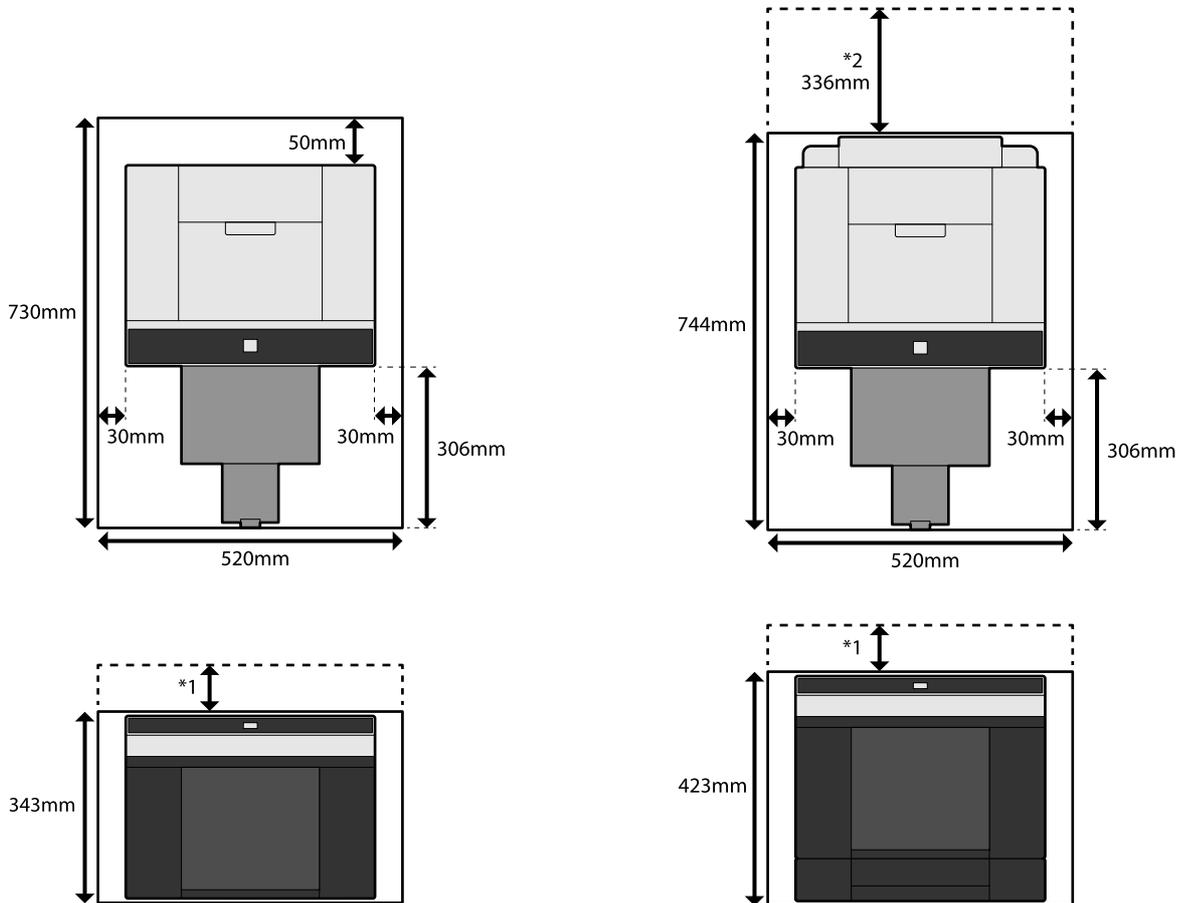
*1 2 to 7.1 inches (51 to 180 mm) is needed to load cut sheets in the rear paper feed slot. (7.1 inches [180 mm] for A4 paper)

*2 Needed to open the rear cover.

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7-Zip Command line version

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1. Grant of License. Epson grants you a limited, nonexclusive license to (i) download, install and use the Software for your personal and internal business use on hard disks or other computer storage devices, or in the case of a software application (also referred to as "Software"), on the smartphone, tablet, or other mobile device (collectively, "Device"), provided that the Software is used (i) only in a single location (e.g., a home or office or place of business), or in the case of a mobile device, on a Device owned or otherwise controlled by you, and (ii) only in connection with Epson Hardware owned by you. You may allow other users of the Epson Hardware connected to your network to use the Software, provided that you shall ensure that such users use the Software only in accordance with this Agreement. You agree to be responsible for and indemnify Epson for liabilities incurred as a consequence of use by such users. You may make backup copies of the Software, as necessary, provided the backup is only used to support your use of the Epson Hardware.

Appendix

2. Upgrades and Updates. If you acquire an upgrade, updated version, modified version, or additions to or for the Software from Epson, the upgrade, updated version, modified version, or addition, shall be included in the defined term Software and governed by this Agreement. You acknowledge that Epson has no obligation to provide you with any Updates (as defined below in this Section 2) to the Software. Epson may, however, from time to time, issue updated versions of the Software and the Software may automatically connect to Epson or third-party servers via the Internet to check for available updates to the Software, such as bug fixes, patches, upgrades, additional or enhanced functions, plug-ins and new versions (collectively, "Updates") and may either (a) automatically electronically update the version of the Software that you are using on your personal device or (b) give you the option of manually downloading applicable Updates. If you installed the EPSON Software Updater and do not wish to allow Epson to check for available updates to the Software, you may disable this feature by uninstalling EPSON Software Updater. By installing the Software and not disabling any automated check for Updates, if applicable, you hereby agree and consent to automatically request and receive Updates from Epson or third-party servers, and that the terms and conditions of this Agreement shall apply to all of these Updates.

3. Other Rights and Limitations. You agree not to modify, adapt or translate the Software and further agree not to attempt to reverse engineer, decompile, disassemble or otherwise attempt to discover the source code of the Software. You may not rent, lease, distribute, lend the Software to third parties or incorporate the Software into a revenue generating product or service. You may, however, transfer all of your rights to use the Software to another person or legal entity, provided that the recipient also agrees to the terms of this Agreement and you transfer the Software, including all copies, updates and prior versions, and the Epson Hardware, to such person or entity. The Software is licensed as a single unit, and its component programs may not be separated for some other use. Further, you agree not to place the Software onto or into a shared environment accessible via a public network such as the Internet or otherwise accessible by others outside the single location referred to in Section 1 above.

4. Ownership. Title, ownership rights, and intellectual property rights in and to the Software shall remain with Epson or its licensors and suppliers. The Software is protected by United States Copyright Law, copyright laws of Japan and international copyright treaties, as well as other intellectual property laws and treaties. There is no transfer to you of any title to or ownership of the Software and this License shall not be construed as a sale of any rights in the Software. You agree not to remove or alter any copyright, trademark, registered mark and other proprietary notices on any copies of the Software. Epson and/or its licensors and suppliers reserve all rights not granted. The Software may also contain images, illustrations, designs and photos ("Materials"), and the copyright of such material belongs to Epson and/or its licensors and suppliers, protected by national and/or international intellectual property laws, conventions and treaties. For clarity, (1) the Materials shall be used for non-commercial purposes only, (2) the Materials shall be edited, adjusted and copied only in the manner designated by the Software, and (3) you may use the Materials only for lawful personal use, home use or as otherwise legally permitted.

5. Open Source and Other Third-Party Components. Notwithstanding the foregoing license grant, you acknowledge that certain components of the Software may be covered by third-party licenses, including so-called "open source" software licenses, which means any software licenses approved as open source licenses by the Open Source Initiative or any substantially similar licenses, including without limitation any license that, as a condition of distribution of the software licensed under such license, requires that the distributor make the software available in source code format (such third-party components, "Third-Party Components"). A list of Third-Party Components, and associated license terms (as required), for particular versions of the Software is indicated at the end of this Agreement, relevant user manual/CD, or the license information displayed on your Device/in Software. To the extent required by the licenses covering Third-Party Components, the terms of such licenses will apply in lieu of the terms of this Agreement. To the extent the terms of the licenses applicable to Third-Party Components prohibit any of the restrictions in this Agreement with respect to such Third-Party Components, such restrictions will not apply to such Third-Party Component.

Appendix

6. Multiple Versions of Software. You may receive or obtain the Software in more than one version (e.g. for different operating environments; two or more language translation versions; downloaded from an Epson server or on a CD-ROM), however, regardless of the type or number of copies you receive, you still may use only the media or version appropriate for the license granted in Section 1 above.

7. Disclaimer of Warranty and Remedy. If you obtained the Software by media from Epson or a dealer, Epson warrants that the media on which the Software is recorded will be free from defects in workmanship and materials under normal use for a period of 90 days from the date of delivery to you. If the media is returned to Epson or the dealer from which the media was obtained within 90 days of the date of delivery to you, and if Epson determines the media to be defective and provided the media was not subject to misuse, abuse, misapplication or use in defective equipment, Epson will replace the media, upon your return to Epson of the Software, including all copies of any portions thereof. You acknowledge and agree that the use of the Software is at your sole risk. THE SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY WARRANTY OF ANY KIND. EPSON AND ITS SUPPLIERS DO NOT AND CANNOT WARRANT THE PERFORMANCE OR RESULTS YOU MAY OBTAIN BY USING THE SOFTWARE. Epson does not warrant that the operation of the Software will be uninterrupted, error free, free from viruses or other harmful components or vulnerabilities, or that the functions of the Software will meet your needs or requirements. Epson's sole and exclusive liability and your exclusive remedy for breach of warranty shall be limited to either, at Epson's option, the replacement of the media for the Software or to refund your money upon returning the Software and Epson Hardware. Any replacement Software will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer. If the above remedy fails for any reason, Epson's entire liability for a breach of warranty shall be limited to a refund of the price paid for the Epson Hardware. Epson is not liable for performance delays or for nonperformance due to causes beyond its reasonable control. This Limited Warranty is void if failure of the Software resulted from accident, abuse, or misapplication. THE STATED LIMITED WARRANTIES AND REMEDY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS. EPSON DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ALL WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES OR JURISDICTIONS, HOWEVER, DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF IMPLIED WARRANTIES, AND IN SUCH STATES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

8. Limitation of Liability. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT WILL EPSON OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGES, WHATSOEVER, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER ARISING UNDER CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, BREACH OF WARRANTY, MISREPRESENTATION, OR OTHERWISE, INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR OTHER PECUNIARY LOSS, ARISING OUT OF THE USE OF OR INABILITY TO USE THE SOFTWARE, OR ARISING OUT OF THIS AGREEMENT, EVEN IF EPSON OR ITS REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF DAMAGES IN CERTAIN TRANSACTIONS, AND IN SUCH STATES, THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY.

Appendix

9. U.S. Government Acquisition of the Software. This Section applies to all acquisitions of the Software by or for the U.S. Government ("Government"), or by any prime contractor or subcontractor (at any tier) under any contract, grant, cooperative agreement, "other transaction" ("OT"), or other activity with the Government. By accepting delivery of the Software, the Government, any prime contractor, and any subcontractor agree that the Software qualifies as "commercial" computer software within the meaning of FAR Part 12, paragraph (b) of FAR Subpart 27.405, or DFARS Subpart 227.7202, as applicable, and that no other regulation, or FAR or DFARS data rights clause, applies to the delivery of this Software to the Government. Accordingly, the terms and conditions of this Agreement govern the Government's (and the prime contractor and subcontractor's) use and disclosure of the Software, and supersede any conflicting terms and conditions of the contract, grant, cooperative agreement, OT, or other activity pursuant to which the Software is delivered to the Government. If this Software fails to meet the Government's needs, if this Agreement is inconsistent in any respect with Federal law, or if the above cited FAR and DFARS provisions do not govern, the Government agrees to return the Software, unused, to Epson.

10. Export Restriction. You agree that the Software will not be shipped, transferred or exported into any country or used in any manner prohibited by the United States Export Administration Act or any other export laws, restrictions or regulations.

11. Entire Agreement. This Agreement is the entire agreement between the parties related to the Software and supersedes any purchase order, communication, advertisement, or representation concerning the Software.

12. Binding Agreement; Assignees. This Agreement shall be binding upon, and inure to the benefit of, the parties hereto and their respective successors, assigns and legal representatives.

13. Severability; Modifications. If any provision herein is found void or unenforceable by a court of competent jurisdiction (subject to Section 22.8 and 22.9 if you are a located in the U.S.), it will not affect the validity of the balance of the Agreement, which shall remain valid and enforceable according to its terms. This Agreement may only be modified in writing signed by an authorized representative of Epson.

14. Indemnification. You agree that you will indemnify and hold harmless, and upon Epson's request, defend Epson and its directors, officers, shareholders, employees and agents from and against any and all losses, liabilities, damages, costs, expenses (including reasonable attorneys' fees), actions, suits, and claims arising from (i) any breach of any of your obligations in this Agreement or (ii) any use of the Software or the Epson Hardware. If Epson asks you to defend any such action, suit or claim, Epson will have the right, at its own expense, to participate in the defense thereof with counsel of its choice. You will not settle any third-party claims for which Epson is entitled to indemnification without the prior written approval of Epson.

15. Termination. Without prejudice to any other rights Epson has, your license rights under Section 1 above and your warranty rights under Section 7 above, shall automatically terminate upon failure by you to comply with this Agreement. Upon termination of such rights, you agree that the Software, and all copies thereof, will be immediately destroyed.

Appendix

16. Capacity and Authority to Contract. You represent that you are of the legal age of majority in your state or jurisdiction of residence and have all necessary authority to enter into this Agreement, including, if applicable, due authorization by your employer to enter into this Agreement.

17. Privacy, Information Processing. The Software may have the ability to connect over the Internet to transmit data to and from your Device. For example, if you install the Software, the Software may cause your Device to send information about your Epson Hardware such as model and serial number, country identifier, language code, operating system information, and Epson Hardware usage information to an Epson Internet site which may return promotional or service information to your Device for display. Any processing of information provided through the Software, shall be according to applicable data protection laws and the Epson Privacy Policy located at https://global.epson.com/privacy/area_select_confirm_eula.html. To the extent permitted by applicable laws, by agreeing to the terms of this Agreement and by installing the Software, you consent to the processing and storage of your information in and/or outside your country of residence. If there is a specific privacy policy incorporated into the Software and/or displayed when you use the Software (for example, in the case of certain software application software), such specific privacy policy shall prevail over the Epson Privacy Policy stated above.

18. Third Party Websites. You may, through hypertext or other computer links from the Software, gain access to websites and use certain services that are not under the control of or operated by Epson, but rather are controlled by third parties. You acknowledge and agree that Epson is not responsible for such third party sites or services, including their accuracy, completeness, timeliness, validity, copyright compliance, legality, decency, quality, or any other aspect thereof. These third party websites/services are subject to different terms and conditions and when you access and use third party websites/services, you will be legally bound by the terms and conditions of those websites/services. If there is a conflict between this Agreement and terms and conditions of third party websites/services, the third party websites'/services' terms and conditions will govern with respect to your access and use of those websites/services. Although Epson may provide a link to a third party website/service from the Software, such a link is not an authorization, endorsement, sponsorship or affiliation by Epson with respect to such website/services, its content, its owners or its providers. Epson provides such links for your reference and convenience only. Accordingly, Epson makes no representations whatsoever concerning such websites/services and does not provide any support related to such third party sites or services. Epson has not tested any information, products or software found on such websites/services and therefore cannot make any representations whatsoever with respect thereto. You agree that Epson is not responsible for the content or operation of such websites/services, and it is up to you to take precautions to ensure that whatever you select is free of items such as viruses, worms, Trojan horses and other items of a destructive nature. You are solely responsible for determining the extent to which you may use any content at any other websites/services to which you link from this Software.

(IF YOU ARE LOCATED IN THE UNITED STATES, THE FOLLOWING SECTIONS 19 - 23 APPLY TO YOU)

19. Ink Purchases. For certain Epson printer products sold in North America, the Software may also display an option to buy ink from Epson. If you click on the buy button, the Software will cause your Device to display Epson Hardware cartridge types and ink levels and provide other information about your cartridges, such as the colors, available cartridge sizes, and prices for replacement ink cartridges, which you may purchase online from Epson.

Appendix

20. Downloadable Updates. You may also be able to download from an Epson Internet site updates or upgrades to the Software if such updates or upgrades are made available. If you agree to install the Software, any transmissions to or from the Internet, and data collection and use, will be in accordance with Epson's then-current Privacy Policy, and by installing the Software you agree that such then-current Privacy Policy shall govern such activities.

21. Epson Accounts and Promotional Messages. In addition, if you install the Software and register your Epson Hardware with Epson, and/or you create an account at the Epson Store, and provided your consent to such use, you agree that Epson may merge the data collected in connection with installation of the Software, registration of your Epson Hardware and/or creation of your Epson Store account, consisting of personal information and non-personally identifiable information, and use such merged data to send you Epson promotional or service information. If you do not wish to send information about your Epson Hardware or receive promotional or service information, you will be able to disable these features on a Windows system through the Monitoring Preferences section in the driver. On a Mac operating system, you can disable these features by uninstalling the Epson Customer Research Participation and Low Ink Reminder software.

22. DISPUTES, BINDING INDIVIDUAL ARBITRATION, AND WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS

22.1 Disputes. The terms of this Section 22 shall apply to all Disputes between you and Epson. The term "Dispute" is meant to have the broadest meaning permissible under law and includes any dispute, claim, controversy or action between you and Epson arising out of or relating to this Agreement, the Software, Epson Hardware, or other transaction involving you and Epson, whether in contract, warranty, misrepresentation, fraud, tort, intentional tort, statute, regulation, ordinance, or any other legal or equitable basis. "DISPUTE" DOES NOT INCLUDE IP CLAIMS, or more specifically, a claim or cause of action for (a) trademark infringement or dilution, (b) patent infringement, (c) copyright infringement or misuse, or (d) trade secret misappropriation (an "IP Claim"). You and Epson also agree, notwithstanding Section 22.6, that a court, not an arbitrator, may decide if a claim or cause of action is for an IP Claim.

22.2 Binding Arbitration. You and Epson agree that all Disputes shall be resolved by binding arbitration according to this Agreement. ARBITRATION MEANS THAT YOU WAIVE YOUR RIGHT TO A JUDGE OR JURY IN A COURT PROCEEDING AND YOUR GROUNDS FOR APPEAL ARE LIMITED. Pursuant to this Agreement, binding arbitration shall be administered by JAMS, a nationally recognized arbitration authority, pursuant to its code of procedures then in effect for consumer related disputes, but excluding any rules that permit joinder or class actions in arbitration (for more detail on procedure, see Section 22.6 below). You and Epson understand and agree that (a) the Federal Arbitration Act (9 U.S.C. §1, et seq.) governs the interpretation and enforcement of this Section 22, (b) this Agreement memorializes a transaction in interstate commerce, and (c) this Section 22 shall survive termination of this Agreement.

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22.3 Pre-Arbitration Steps and Notice. Before submitting a claim for arbitration, you and Epson agree to try, for sixty (60) days, to resolve any Dispute informally. If Epson and you do not reach an agreement to resolve the Dispute within the sixty (60) days, you or Epson may commence an arbitration. Notice to Epson must be addressed to: Epson America, Inc., ATTN: Legal Department, 3840 Kilroy Airport Way, Long Beach, CA 90806 (the "Epson Address"). The Dispute Notice to you will be sent to the most recent address Epson has in its records for you. For this reason, it is important to notify us if your address changes by emailing us at EAILegal@ea.epson.com or writing us at the Epson Address above. Notice of the Dispute shall include the sender's name, address and contact information, the facts giving rise to the Dispute, and the relief requested (the "Dispute Notice"). Following receipt of the Dispute Notice, Epson and you agree to act in good faith to resolve the Dispute before commencing arbitration.

22.4 Small Claims Court. Notwithstanding the foregoing, you may bring an individual action in the small claims court of your state or municipality if the action is within that court's jurisdiction and is pending only in that court.

22.5 WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS. YOU AND EPSON AGREE THAT EACH PARTY MAY BRING DISPUTES AGAINST THE OTHER PARTY ONLY IN AN INDIVIDUAL CAPACITY, AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY CLASS OR REPRESENTATIVE PROCEEDING, INCLUDING WITHOUT LIMITATION FEDERAL OR STATE CLASS ACTIONS, OR CLASS ARBITRATIONS. CLASS ACTION LAWSUITS, CLASS-WIDE ARBITRATIONS, PRIVATE ATTORNEY-GENERAL ACTIONS, AND ANY OTHER PROCEEDING WHERE SOMEONE ACTS IN A REPRESENTATIVE CAPACITY ARE NOT ALLOWED. ACCORDINGLY, UNDER THE ARBITRATION PROCEDURES OUTLINED IN THIS SECTION, AN ARBITRATOR SHALL NOT COMBINE OR CONSOLIDATE MORE THAN ONE PARTY'S CLAIMS WITHOUT THE WRITTEN CONSENT OF ALL AFFECTED PARTIES TO AN ARBITRATION PROCEEDING.

22.6 Arbitration Procedure.   If you or Epson commences arbitration, the arbitration shall be governed by the rules of JAMS that are in effect when the arbitration is filed, excluding any rules that permit arbitration on a class or representative basis (the "JAMS Rules"), available at http://www.jamsadr.com or by calling 1-800-352-5267, and under the rules set forth in this Agreement. All Disputes shall be resolved by a single neutral arbitrator, and both parties shall have a reasonable opportunity to participate in the selection of the arbitrator. The arbitrator is bound by the terms of this Agreement. The arbitrator, and not any federal, state or local court or agency, shall have exclusive authority to resolve all disputes arising out of or relating to the interpretation, applicability, enforceability or formation of this Agreement, including any claim that all or any part of this Agreement is void or voidable. Notwithstanding this broad delegation of authority to the arbitrator, a court may determine the limited question of whether a claim or cause of action is for an IP Claim, which is excluded from the definition of "Disputes" in Section 22.1 above. The arbitrator shall be empowered to grant whatever relief would be available in a court under law or in equity. The arbitrator may award you the same damages as a court could, and may award declaratory or injunctive relief only in favor of the individual party seeking relief and only to the extent necessary to provide relief warranted by that party's individual claim. In some instances, the costs of arbitration can exceed the costs of litigation and the right to discovery may be more limited in arbitration than in court. The arbitrator's award is binding and may be entered as a judgment in any court of competent jurisdiction.

You may choose to engage in arbitration hearings by telephone. Arbitration hearings not conducted by telephone shall take place in a location reasonably accessible from your primary residence, or in Orange County, California, at your option.

Appendix

a) Initiation of Arbitration Proceeding. If either you or Epson decides to arbitrate a Dispute, both parties agree to the following procedure:

(i) Write a Demand for Arbitration. The demand must include a description of the Dispute and the amount of damages sought to be recovered. You can find a copy of a Demand for Arbitration at http://www.jamsadr.com ("Demand for Arbitration").

(ii) Send three copies of the Demand for Arbitration, plus the appropriate filing fee, to: JAMS, 500 North State College Blvd., Suite 600 Orange, CA 92868, U.S.A.

(iii) Send one copy of the Demand for Arbitration to the other party (same address as the Dispute Notice), or as otherwise agreed by the parties.

b) Hearing Format. During the arbitration, the amount of any settlement offer made shall not be disclosed to the arbitrator until after the arbitrator determines the amount, if any, to which you or Epson is entitled. The discovery or exchange of non-privileged information relevant to the Dispute may be allowed during the arbitration.

c) Arbitration Fees. Epson shall pay, or (if applicable) reimburse you for, all JAMS filings and arbitrator fees for any arbitration commenced (by you or Epson) pursuant to provisions of this Agreement.

d) Award in Your Favor. For Disputes in which you or Epson seeks $75,000 or less in damages exclusive of attorney's fees and costs, if the arbitrator's decision results in an award to you in an amount greater than Epson's last written offer, if any, to settle the Dispute, Epson will: (i) pay you $1,000 or the amount of the award, whichever is greater; (ii) pay you twice the amount of your reasonable attorney's fees, if any; and (iii) reimburse you for any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing the Dispute in arbitration. Except as agreed upon by you and Epson in writing, the arbitrator shall determine the amount of fees, costs, and expenses to be paid by Epson pursuant to this Section 22.6d).

e) Attorney's Fees. Epson will not seek its attorney's fees and expenses for any arbitration commenced involving a Dispute under this Agreement. Your right to attorney's fees and expenses under Section 22.6(d) above does not limit your rights to attorney's fees and expenses under applicable law; notwithstanding the foregoing, the arbitrator may not award duplicative awards of attorney's fees and expenses.

22.7 Opt-out. You may elect to opt-out (exclude yourself) from the final, binding, individual arbitration procedure and waiver of class and representative proceedings specified in this Agreement by sending a written letter to the Epson Address within thirty (30) days of your assent to this Agreement (including without limitation the purchase, download, installation of the Software or other applicable use of Epson Hardware, products and services) that specifies (i) your name, (ii) your mailing address, and (iii) your request to be excluded from the final, binding individual arbitration procedure and waiver of class and representative proceedings specified in this Section 22. In the event that you opt-out consistent with the procedure set forth above, all other terms shall continue to apply, including the requirement to provide notice prior to litigation.

22.8 Amendments to Section 22. Notwithstanding any provision in this Agreement to the contrary, you and Epson agree that if Epson makes any future amendments to the dispute resolution procedure and class action waiver provisions (other than a change to Epson's address) in this Agreement, Epson will obtain your affirmative assent to the applicable amendment. If you do not affirmatively assent to the applicable amendment, you are agreeing that you will arbitrate any Dispute between the parties in accordance with the language of this Section 22 (or resolve disputes as provided for in Section 22.7, if you timely elected to opt-out when you first assented to this Agreement).

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22.9 Severability. If any provision in this Section 22 is found to be unenforceable, that provision shall be severed with the remainder of this Agreement remaining in full force and effect. The foregoing shall not apply to the prohibition against class or representative actions as provided in Section 22.5. This means that if Section 22.5 is found to be unenforceable, the entire Section 22 (but only Section 22) shall be null and void.

23. For New Jersey Residents. NOTWITHSTANDING ANY TERMS SET FORTH IN THIS AGREEMENT, IF ANY OF THE PROVISIONS SET FORTH IN SECTIONS 7 OR 8 ARE HELD UNENFORCEABLE, VOID OR INAPPLICABLE UNDER NEW JERSEY LAW, THEN ANY SUCH PROVISION SHALL NOT APPLY TO YOU BUT THE REST OF THE AGREEMENT SHALL REMAIN BINDING ON YOU AND EPSON. NOTWITHSTANDING ANY PROVISION IN THIS AGREEMENT, NOTHING IN THIS AGREEMENT IS INTENDED TO, NOR SHALL IT BE DEEMED OR CONSTRUED TO, LIMIT ANY RIGHTS AVAILABLE TO YOU UNDER THE TRUTH-IN-CONSUMER CONTRACT, WARRANTY AND NOTICE ACT.

Rev. December 2018

Where To Get Help

Technical Support Web Site

Epson's Technical Support Web Site provides help with problems that cannot be solved using the troubleshooting information in your product documentation.

If you need the latest drivers, FAQs, manuals, or other downloadables, access the site at:

https://www.epson.com

Then, select the support section of your local Epson Web site.

Contacting Epson Support

Before Contacting Epson

If your Epson product is not operating properly and you cannot solve the problem using the troubleshooting information in your product documentation, contact Epson support services for assistance. If Epson support for your area is not listed below, contact the dealer where you purchased your product.

Epson support will be able to help you much more quickly if you give them the following information:

❏ Product serial number
(The serial number label is usually on the back of the product.)

❏ Product model

❏ Product software version
(Click **About**, **Version Info**, or similar button in the product software.)

❏ Brand and model of your computer

❏ Your computer operating system name and version

❏ Names and versions of the software applications you normally use with your product

Where To Get Help

Help for Users in North America

Epson provides technical support and information on the installation, configuration, and operation of professional printing products through the Epson Preferred Limited Warranty Plan.

Dial (888) 377-6611, 7AM to 4 PM, Pacific Time, Monday through Friday. Days and hours of support are subject to change without notice.

Note: If you experience difficulty with the toll-free number, call (562) 276-1305 (U.S.).

Before you call, make sure you have your printer serial number and proof of purchase.

Visit https://epson.com/support (U.S.) or https://epson.ca/support (Canada) and select your product for solutions to common problems. You can download drivers, firmware, and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Note: For help using any other software on your system, see the documentation for that software for technical support information.

Help for Users in Latin America

If you need additional help with your Epson product, contact Epson.

Epson provides these technical support services:

Internet Support

Visit Epson's support website at latin.epson.com/support and select your product for solutions to common problems. You can download drivers, firmware, and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Note: For help using any other software on your system, see the documentation for that software for technical support information

Speak to a Support Representative

Before you call Epson for support, please have the following information ready:

❏ Product name

❏ Product serial number (located on a label on the product)

❏ Proof of purchase (such as a store receipt) and date of purchase

❏ Computer configuration

❏ Description of the problem

Then call:

Country	Telephone
Argentina	(54 11) 5167-0300 0800-288-37766
Bolivia*	800-100-116
Brazil	0800-007-5000
Chile	(56 2) 2484-3400
Colombia	Bogota: (57 1) 592-2200 Other cities: 018000-915235
Costa Rica	800-377-6627
Dominican Republic*	1-888-760-0068
Ecuador*	1-800-000-044
El Salvador*	800-6570
Guatemala*	1-800-835-0358
Mexico	Mexico City: (52 55) 1323-2052 Other cities: 01-800-087-1080
Nicaragua*	00-1-800-226-0368
Panama*	00-800-052-1376
Paraguay	009-800-521-0019
Peru	Lima: (51 1) 418-0210 Other cities: 0800-10-126
Uruguay	00040-5210067
Venezuela	(58 212) 240-1111

* Contact your local phone company to call this toll-free number from a mobile phone.

If your country does not appear in the list, contact the sales office in the nearest country. Toll or long distance charges may apply.

Purchase Supplies and Accessories

You can purchase genuine Epson ink, paper, and accessories from an Epson authorized reseller. To find the nearest reseller, visit latin.epson.com or call your nearest Epson sales office.