EPSON®

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SL-D700

Maintenance Tool
Operation Guide

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Meaning of Symbols

![Important] *Important:*	Important must be followed to avoid damage to this product.

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

Operating System Versions

In this documentation, the following abbreviations are used.

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Windows refers to Windows 8, 7.

❏   Windows 8.1 refers to Windows 8.1, Windows 8.1 Pro.

❏   Windows 8 refers to Windows 8, Windows 8 Pro.

❏   Windows 7 refers to Windows 7 Professional.

Macintosh refers to Mac OS X.

❏   Mac OS X refers to Mac OS X 10.5.8/10.6.x/10.7.x/10.8.x/10.9.x/10.10.x.

# Contents

Using the Maintenance Tool (Windows)

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
On the computer, click **Start** - **All Programs** - **EPSON** - **EPSON SL-D700** - **SL Printer Maintenance Tool**.
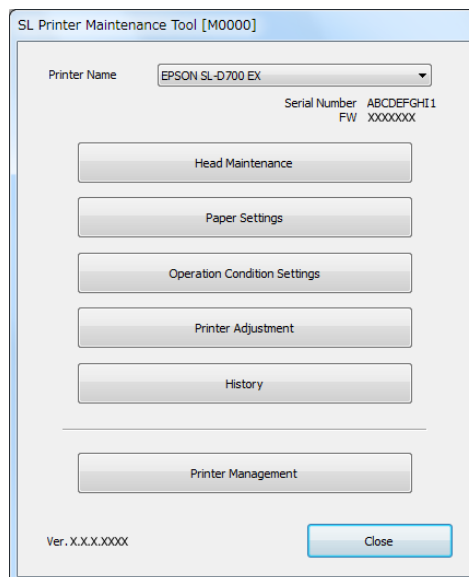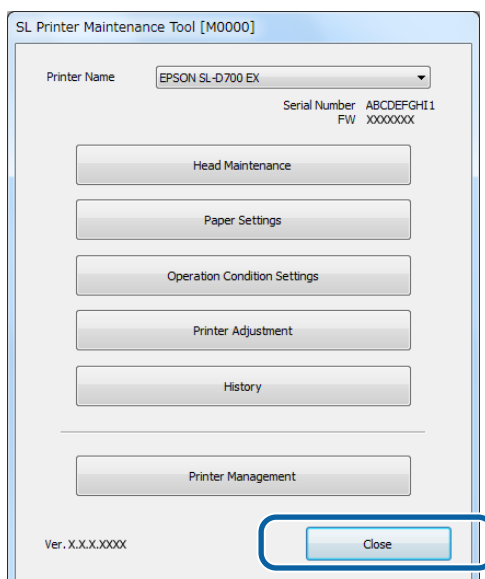

> *Note:*
> ❏ *You can click **Start SL Printer Maintenance Tool** on the printer driver screen.*
>
> ❏ *In Windows 8 and Windows 8.1, point to the top-right or bottom-right of the screen, click **Search** from Charms, and then select **SL Printer Maintenance Tool** from the App list.*

Using the Maintenance Tool (Windows)

Closing

Click **Close**.

List of Functions

Main Screen Menu	Setting Item		Settings
	Large Item	**Small Item**	
Printer Name	-	-	Select the printer.
Head Maintenance	Diagnostic Cleaning	-	Detects clogged nozzles and automatically performs cleaning. ☞ "Diagnostic Cleaning" on page 10
	Forced Cleaning	-	Perform manual cleaning. ☞ "Forced Cleaning" on page 11
	Nozzle Check	-	Checks for clogged nozzles. ☞ "Nozzle Check" on page 14
Paper Settings	-	-	Set paper information. ☞ "Paper Settings" on page 18
Operation Condition Settings	Warning Buzzer	-	Set whether or not to sound the warning buzzer. ☞ "Warning Buzzer" on page 19
	Power Saving	-	Set the time to switch to power saving mode. ☞ "Power Saving" on page 20
	Periodic Nozzle Check	-	Set whether or not to automatically perform a nozzle check. ☞ "Periodic Nozzle Check" on page 22

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Using the Maintenance Tool (Windows)

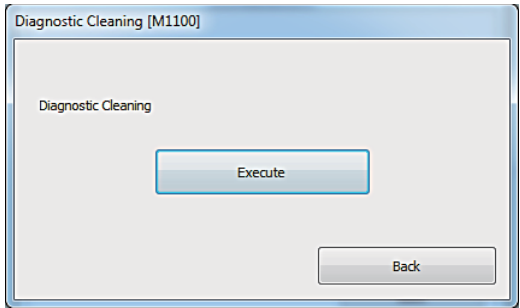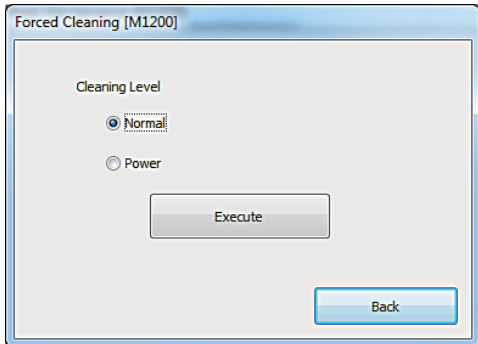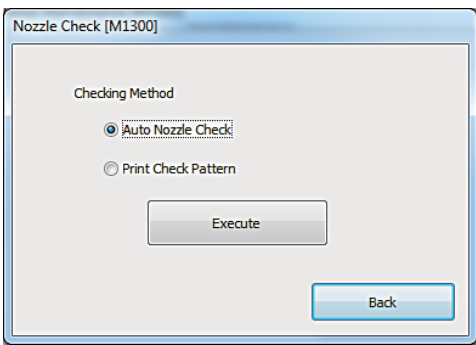| Main Screen Menu	Setting Item		Settings
	Large Item	Small Item	
Printer Adjustment	Print Head Alignment	-	Corrects the print misalignment. U "Print Head Alignment" on page 24
	Paper Feed Adjustment	-	Adjusts the amount of paper feed. U "Paper Feed Adjustment" on page 26
	Gray Adjustment	Color Balance	Adjusts the color balance. U "Color Balance" on page 31
		Density	Adjusts the density (darker/lighter). U "Density" on page 36
		Gradation	Adjusts the gradation (difference between light and dark). U "Gradation" on page 41
History	Operation History	-	Allows you to check errors and the number of copies printed. U "Operation History" on page 48
	Collect Logs	-	Saves log files. U "Collect Logs" on page 49
Printer Management	Firmware Update	-	Updates the printer firmware. U "Firmware Update" on page 51
	Register/Delete Printer	-	Registers or deletes the printer. U "Register/Delete Printer" on page 52
	Replace Printer	-	Replaces the printer. U "Replace Printer" on page 54
	Spool Folder Settings	-	Changes the folder that temporarily stores the spooled data for printing. U "Spool Folder Settings" on page 56
	Update Paper Information	-	Registers a paper type file to the printer. U "Update Paper Information" on page 58

Head Maintenance

In **Head Maintenance** you can perform printer maintenance operations such as **Diagnostic Cleaning**, **Forced Cleaning**, and **Nozzle Check**.

Before performing **Head Maintenance**, make sure that the printer's ⏻ light is on.

Using Head Maintenance

This function checks for clogging in the print head, and clears the clogging if any is detected. If the nozzles are clogged, stripes may appear in the print outs, and the colors may differ from the standard, expected colors. If this does occur, use **Head Maintenance** to clear the problem by following the workflow on the next page.

The following three functions are available in **Head Maintenance**.

Diagnostic Cleaning	Detects clogged nozzles and automatically performs head cleaning.	
Forced Cleaning	Perform manual head cleaning.	
Nozzle Check	Checks for clogged nozzles.	

Using the Maintenance Tool (Windows)

❶	**There are problems with the print outs such as stripes appearing or a variation in the colors.**
	<Print example>

❷	Perform **Diagnostic Cleaning**.	
	When the message "Diagnostic cleaning completed." is displayed -> Cleaning is complete.	When the message "Diagnostic cleaning is finished. Clogged nozzles detected. Perform diagnostic cleaning again. If the clogged nozzles are not cleared after performing diagnostic cleaning three times, perform [Forced Cleaning] set to [Power]." is displayed -> Perform **Diagnostic Cleaning** again. If the nozzles remain clogged after repeating this procedure three times, go to the next step.

| ❸	Execute **Power** from **Forced Cleaning**, and then check **Print Check Pattern**.	
	When there are no problems in the check pattern print results -> Operations are complete.	When there are problems in the check pattern print results -> Contact service support.

Diagnostic Cleaning

1 Click **Head Maintenance** on the main screen.
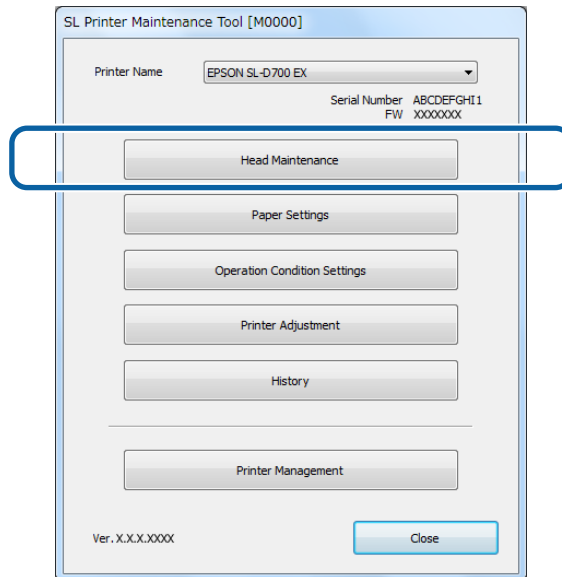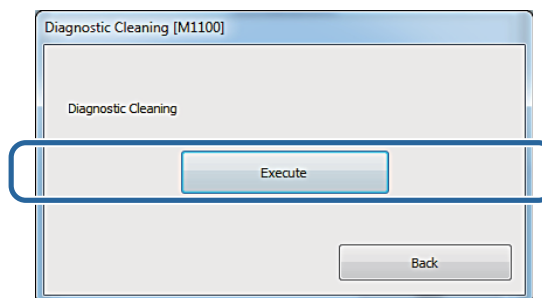

The **Head Maintenance** screen is displayed.

2 Click **Diagnostic Cleaning**.
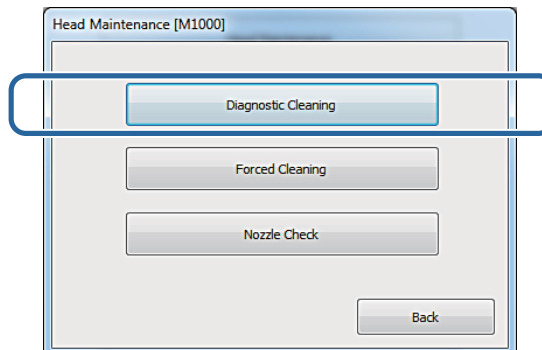
The **Diagnostic Cleaning** screen is displayed.

3 Click **Execute**.

Using the Maintenance Tool (Windows)

The nozzle check starts. Perform cleaning if necessary.

Depending on the condition of the nozzles, the time required may differ.

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

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

When "Diagnostic cleaning is finished. Clogged nozzles detected. Perform diagnostic cleaning again. If the clogged nozzles are not cleared after performing diagnostic cleaning three times, perform [Forced Cleaning] set to [Power]." is displayed, perform **Diagnostic Cleaning** again.

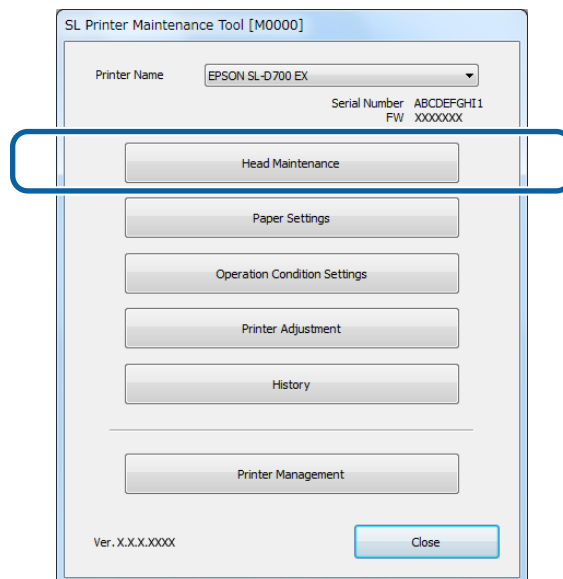If "Auto nozzle check failed." is displayed, contact service support.

If the clogged nozzles are not cleared after performing **Diagnostic Cleaning** three times, perform Forced Cleaning set to **Power**. If the nozzles are still clogged even after performing **Power** cleaning, contact service support.
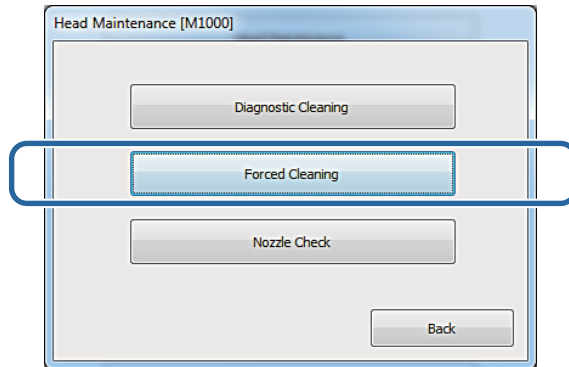
Forced Cleaning

1 Click **Head Maintenance** on the main screen.

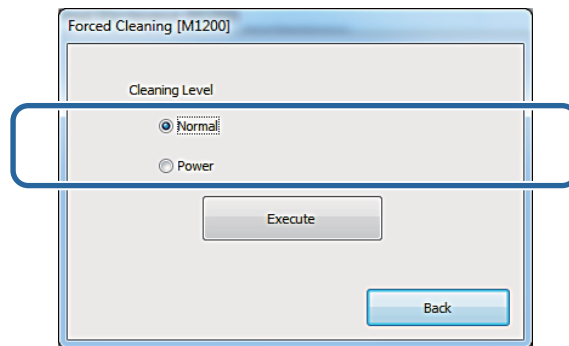The **Head Maintenance** screen is displayed.

Using the Maintenance Tool (Windows)

2 Click **Forced Cleaning**.

The **Forced Cleaning** screen is displayed.

3 Select the **Cleaning Level**.

Item	Explanation
Normal	The surface of the head is cleaned and clogged nozzles are cleared.
Power	Performs a stringer cleaning 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 cartridge before continuing.

4 Click **Execute**.
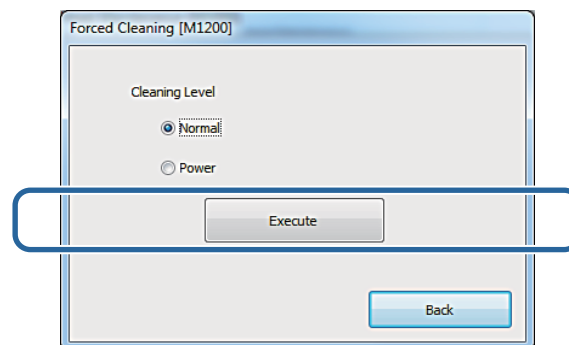
Cleaning is performed.

Depending on the **Cleaning Level**, the time required may differ.

Using the Maintenance Tool (Windows)

5 Check the Head Cleaning results.

Check the condition of the nozzles in **Nozzle Check**.

U "Nozzle Check" on page 14

If the nozzles are clogged, display the screen from step 3 and perform Normal cleaning. If the nozzles are still clogged even after repeating Normal several times, perform Power cleaning.

If the nozzles are still clogged even after performing Power cleaning, contact service support.

Using the Maintenance Tool (Windows)

Nozzle Check

The **Nozzle Check** function checks if the print head nozzles are clogged. The printer uses the **Auto Nozzle Check** function to automatically check for clogged nozzles, and then **Print Check Pattern** prints a check pattern for a visual confirmation.

After the nozzle check, perform **Forced Cleaning** if necessary.

Auto Nozzle Check

1 Click **Head Maintenance** on the main screen.
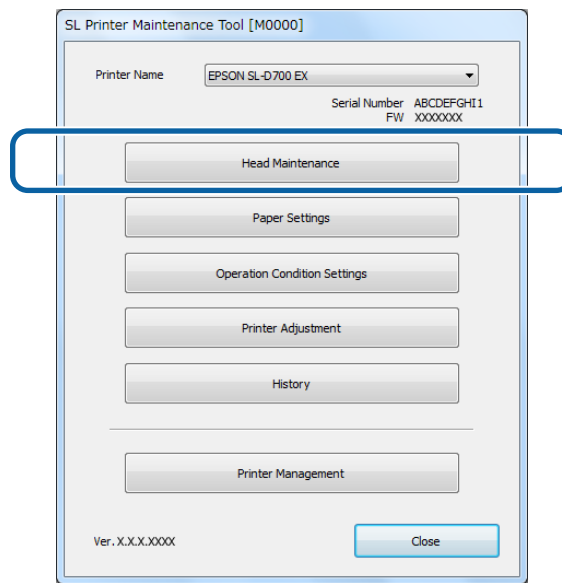
The **Head Maintenance** screen is displayed.

2 Click **Nozzle Check**.

The **Nozzle Check** screen is displayed.

Using the Maintenance Tool (Windows)

3 Select **Auto Nozzle Check**.

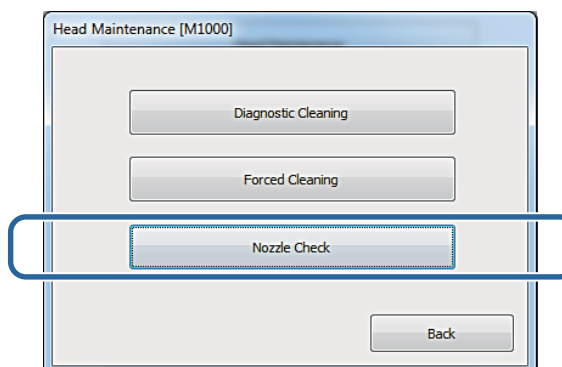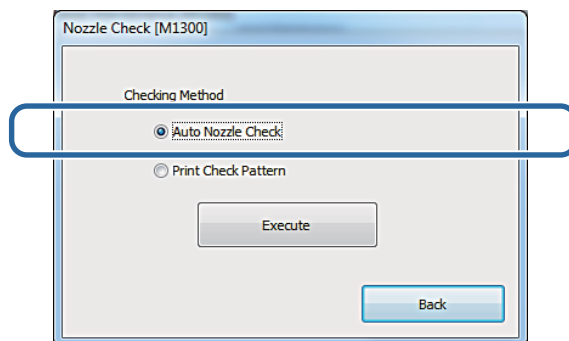**4** Click **Execute**.

Auto Nozzle Check is performed.

Depending on the condition of the nozzles, this may take some time.

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

When "Auto nozzle check is complete." is displayed, the check is complete.

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

U "Forced Cleaning" on page 11

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

U "Print Check Pattern" on page 16

Using the Maintenance Tool (Windows)

Print Check Pattern

1 Click **Head Maintenance** on the main screen.

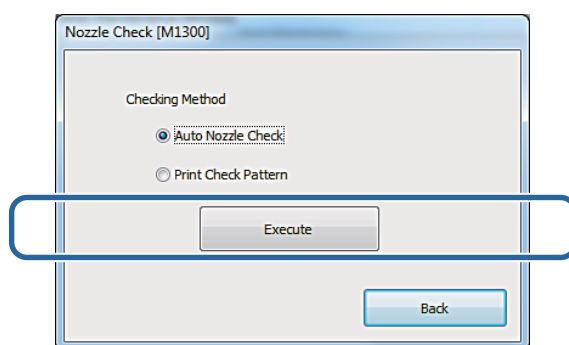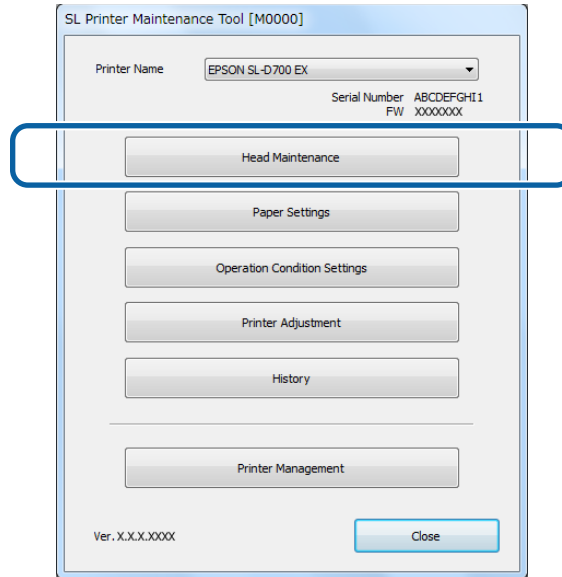The **Head Maintenance** screen is displayed.

2 Click **Nozzle Check**.
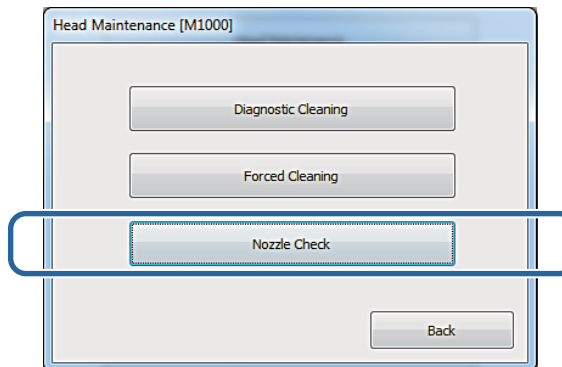
The **Nozzle Check** screen is displayed.

3 Select **Print Check Pattern**.

16
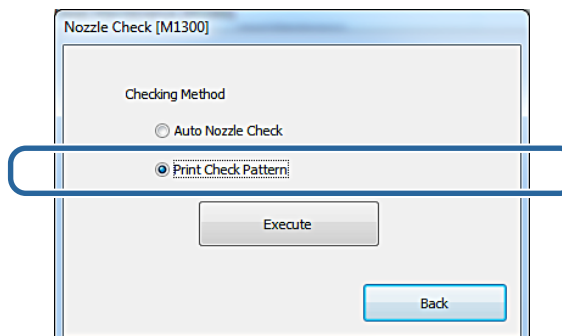
Using the Maintenance Tool (Windows)

4 Click **Execute**.
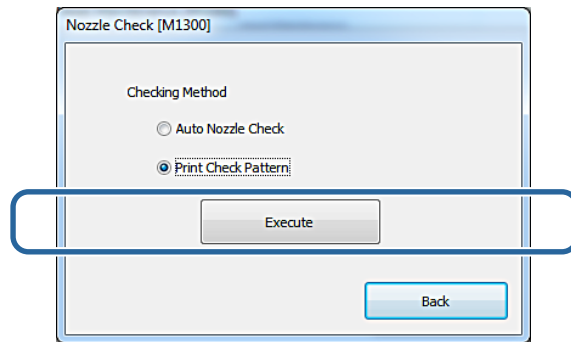
The check pattern is printed.

5 Check the print results.

Good example

There are no gaps in the check pattern. The nozzles are not clogged.
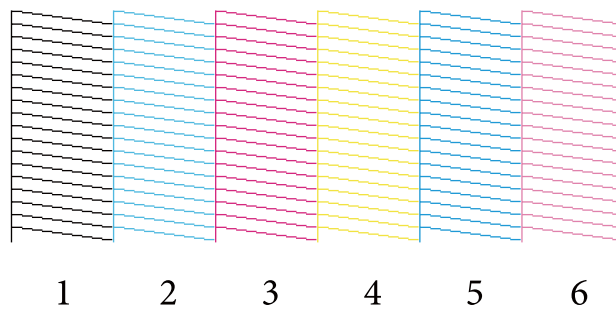
Bad example

There are gaps in the check pattern. Clogged nozzles detected. Perform cleaning.
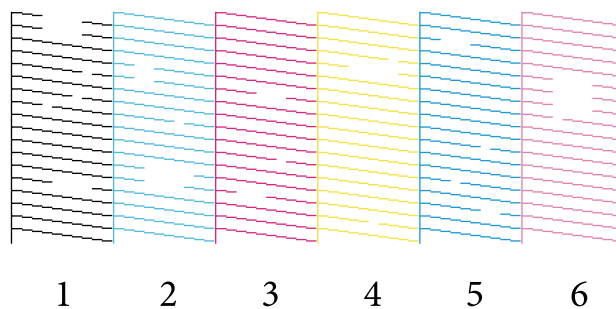
You need to perform head cleaning of there are any gaps in the check patterns.

U "Forced Cleaning" on page 11

Using the Maintenance Tool (Windows)

Paper Settings

In **Paper Settings**, you can set the **Paper Type** and the **Paper Level**.

Make these settings when you replace the paper.

1 Click **Paper Settings** on the main screen.
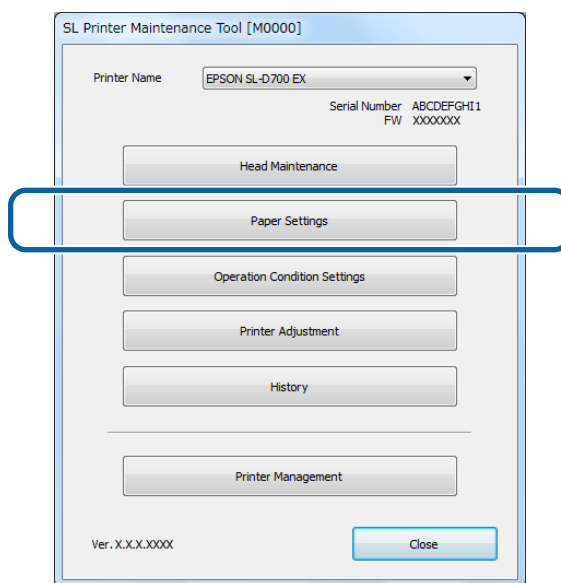
The **Paper Settings** screen is displayed.

> *Note:*
> *If the **Paper Settings** screen is not displayed, and "Cannot recognize the paper type. Update the paper information." is displayed, update the paper information.*
>
> ☞ *"Update Paper Information" on page 58*

2 Set the **Paper Type** and the **Paper Level**, and then click **Set**.

The paper width set in **Paper Width** is displayed.
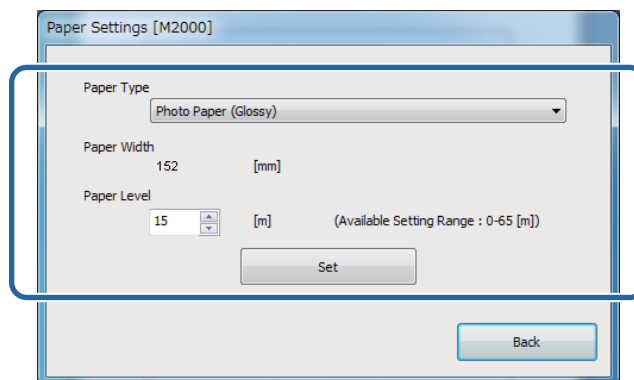
Using the Maintenance Tool (Windows)

Operation Condition Settings

You can perform various printer settings in **Operation Condition Settings**, such as **Warning Buzzer**, **Power Saving**, and **Periodic Nozzle Check**.

Warning Buzzer

Set whether or not to sound the warning buzzer.

1 Click **Operation Condition Settings** on the main screen.
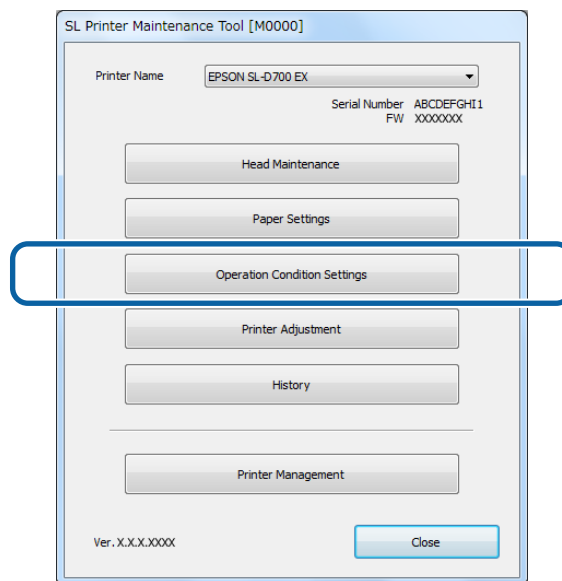
The **Operation Condition Settings** screen is displayed.

2 Click **Warning Buzzer**.
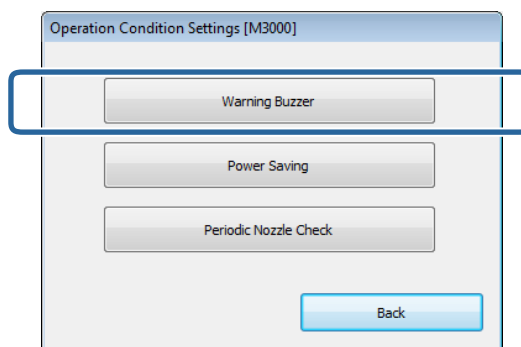
The **Warning Buzzer** screen is displayed.

Using the Maintenance Tool (Windows)

3 Select **ON** or **OFF**, and then click **Set**.
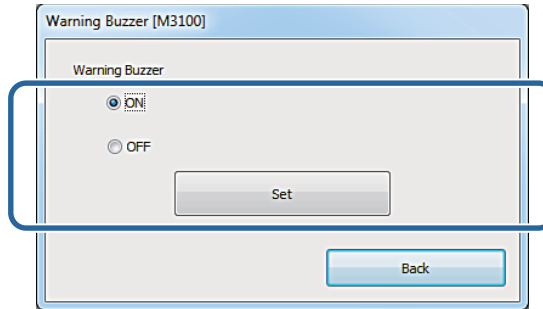
Item	Explanation
ON	The warning buzzer sounds.
OFF	The warning buzzer does not sound.

Power Saving

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.

1 Click **Operation Condition Settings** on the main screen.
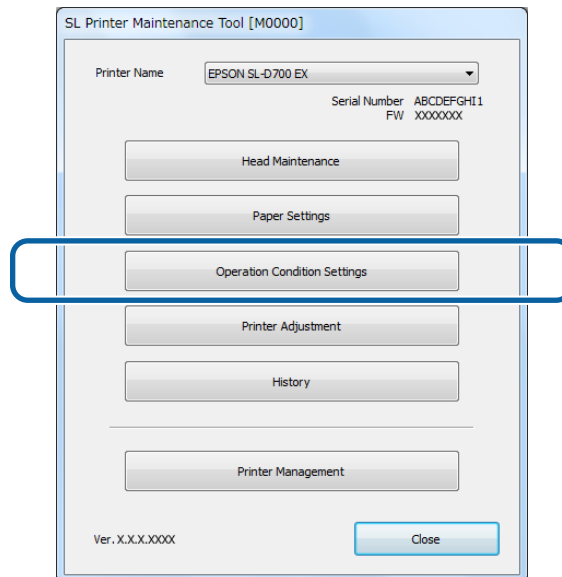
The **Operation Condition Settings** screen is displayed.

Using the Maintenance Tool (Windows)

2 Click **Power Saving**.
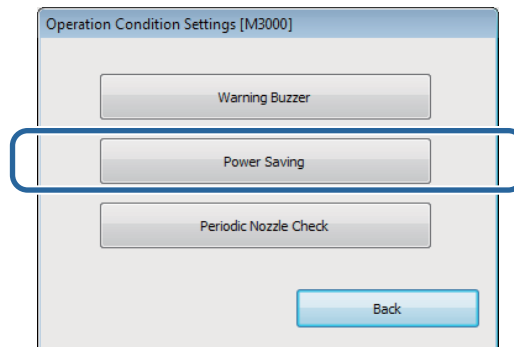
The **Power Saving** screen is displayed.

3 Select **Time Before Switching to Sleep Mode**, and then click **Set**.

Once the set time has passed, the printer switches to Sleep Mode.

Settings: Shortest, 5 mins, 10 mins, 15 mins, 30 mins, 1 hour, 2 hours
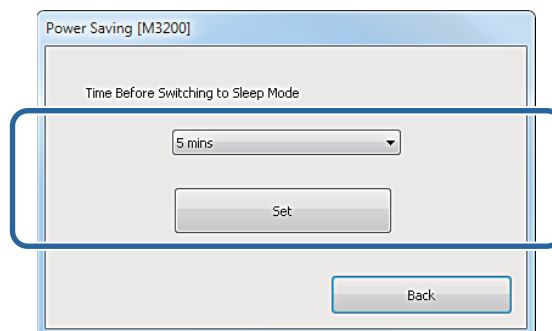
Note:
After printing is complete, it takes about five minutes to prepare to switch to Sleep Mode. Therefore, the time before switching to Sleep Mode after printing is about five minutes longer than the actual setting.

Using the Maintenance Tool (Windows)

Periodic Nozzle Check

Set whether or not to automatically perform a Nozzle Check.

This should normally be selected ON. Select OFF only if you are instructed to do so by a service engineer. If this is selected OFF, it is necessary to check the clogging status manually.

1 Click **Operation Condition Settings** on the main screen.
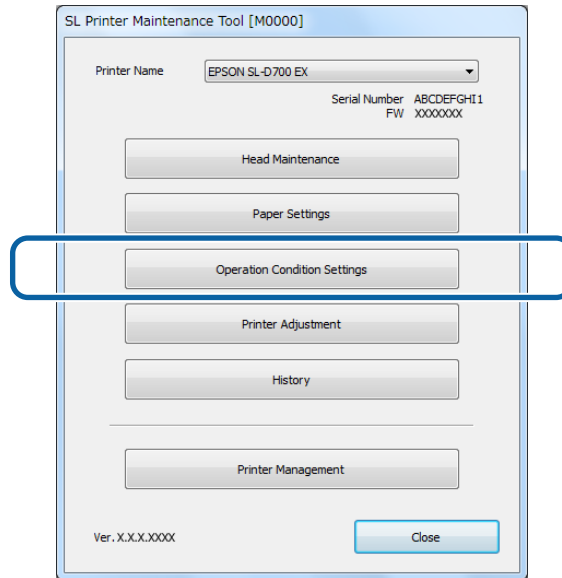
The **Operation Condition Settings** screen is displayed.

**2** Click **Periodic Nozzle Check**.
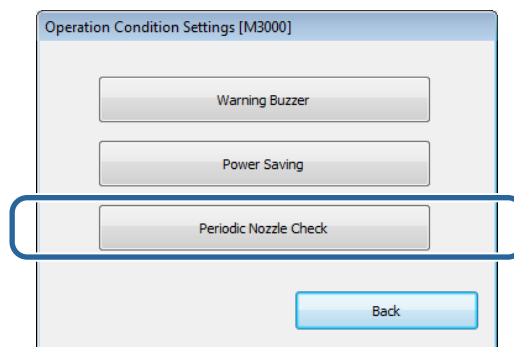
The **Periodic Nozzle Check** screen is displayed.

Using the Maintenance Tool (Windows)

3 Select **ON/OFF**, and then click **Set**.
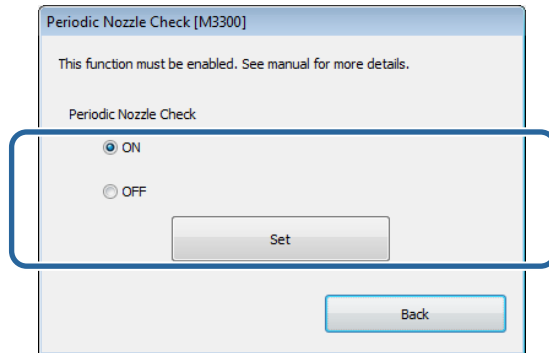
Item	Explanation
ON	Automatically performs Nozzle Check at periodic intervals.
OFF	❏ Nozzle Check is not performed automatically. ❏ Diagnostic Cleaning and Auto Nozzle Check cannot be performed.

Using the Maintenance Tool (Windows)

Printer Adjustment

In **Printer Adjustment**, you can make printer adjustments such as **Print Head Alignment**, **Paper Feed Adjustment**, and **Gray Adjustment**.

Print Head Alignment

If the print results appear grainy or out of focus, perform print head alignment. The print head alignment function corrects print misalignments.

1 Click **Printer Adjustment** on the main screen.
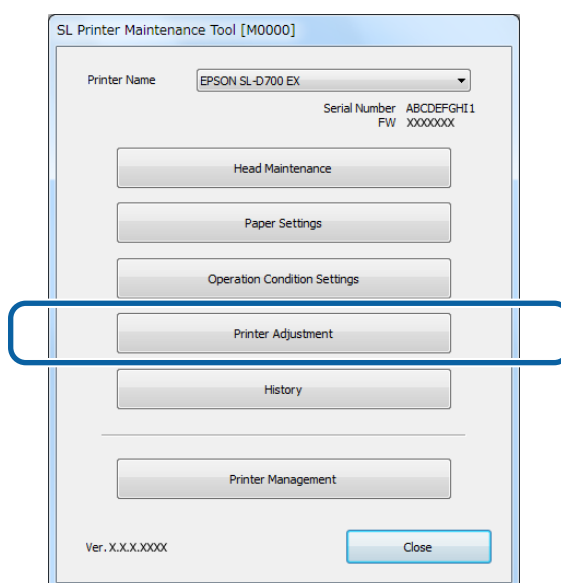
The **Printer Adjustment** screen is displayed.

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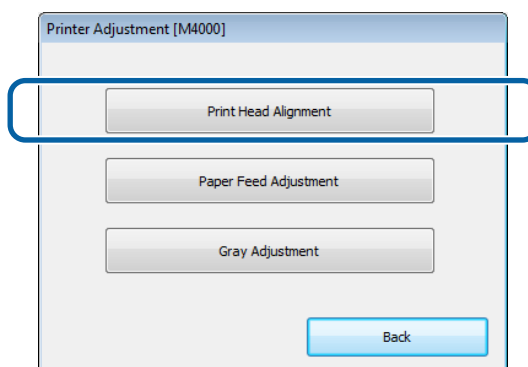
The **Print Head Alignment** screen is displayed.

Using the Maintenance Tool (Windows)

3 Check that the paper type displayed matches the paper type for this printer, and then click **Print** from **Adjustment Pattern**.

If the paper type does not match, set the correct paper type in Paper Settings.

U "Paper Settings" on page 18
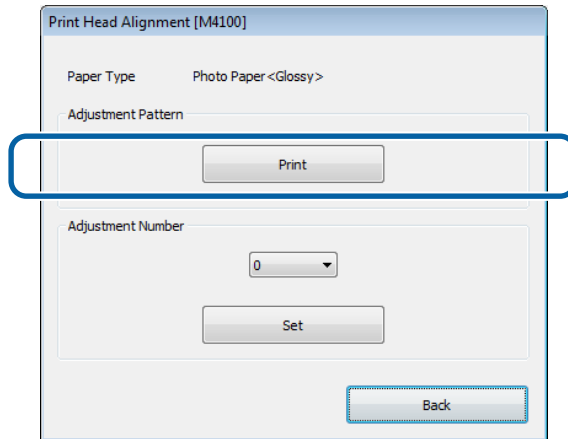
The adjustment pattern is printed.

4 Check the print results.

Check for the pattern with the least number of missing lines.
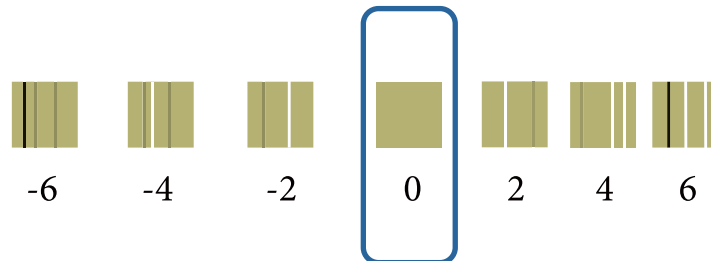
| -6 | -4 | -2 | 0 | 2 | 4 | 6 |

5 Select the pattern number, and then click **Set**.
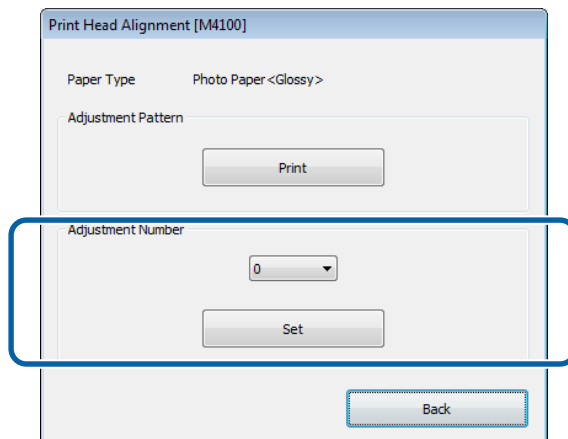
The adjustment values are applied.

Using the Maintenance Tool (Windows)

Paper Feed Adjustment

Paper feed amount errors may occur in the printer due to changes in the surroundings or changes over time. If quality declines, you may be able to improve it by correcting the paper feed amount.

1 Click **Printer Adjustment** on the main screen.
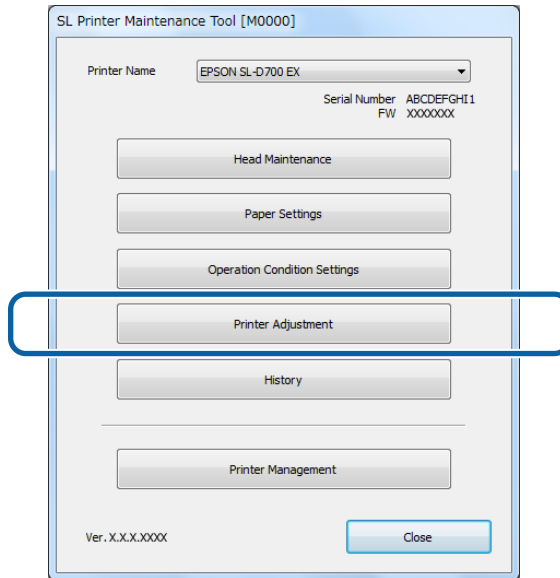
The **Printer Adjustment** screen is displayed.

2 Click **Paper Feed Adjustment**.
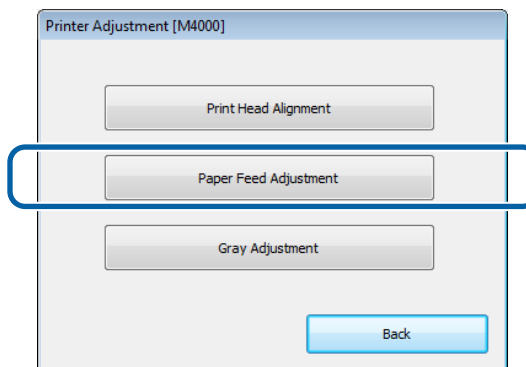
The **Paper Feed Adjustment** screen is displayed.

Using the Maintenance Tool (Windows)

3 Check that the printer's paper type and paper width match the paper type and paper width displayed, and then click **Print** from **Adjustment Pattern**.

If the paper type does not match, set the correct paper type in Paper Settings.

U "Paper Settings" on page 18
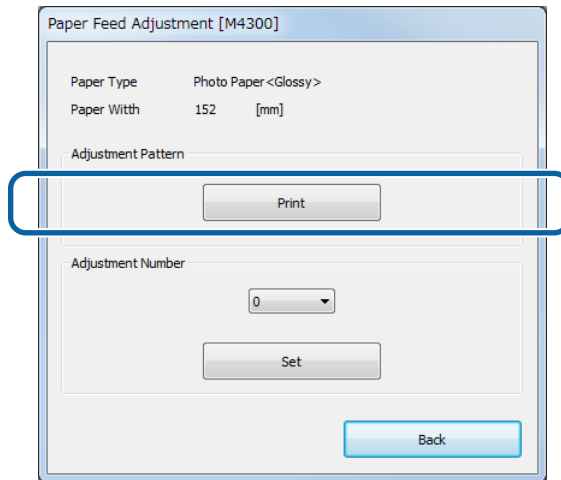
An adjustment pattern is printed.

4 Check the print results.

Note the number of the pattern with the fewest line.
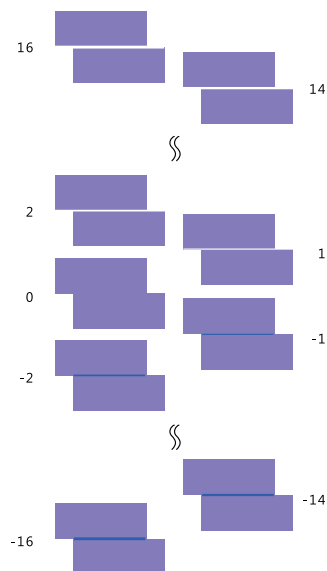
Refer to the following illustration and select an adjustment pattern without line.

NG   OK   NG
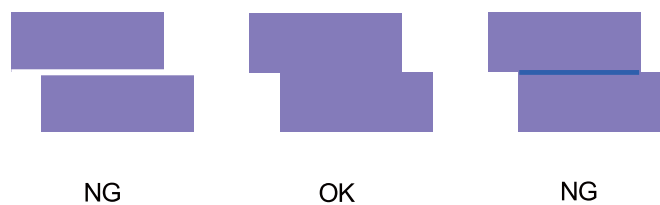
Using the Maintenance Tool (Windows)

If there are no good patterns among the printed patterns, enter the number for a pattern that is nearly ok, and then reprint the adjustment pattern.

5 Select the pattern number, and then click **Set**.

Paper Feed Adjustment [M4300]

Paper Type	Photo Paper <Glossy>
Paper Witth	152 [mm]

Adjustment Pattern

Print

Adjustment Number

0 ▼

Set

Back
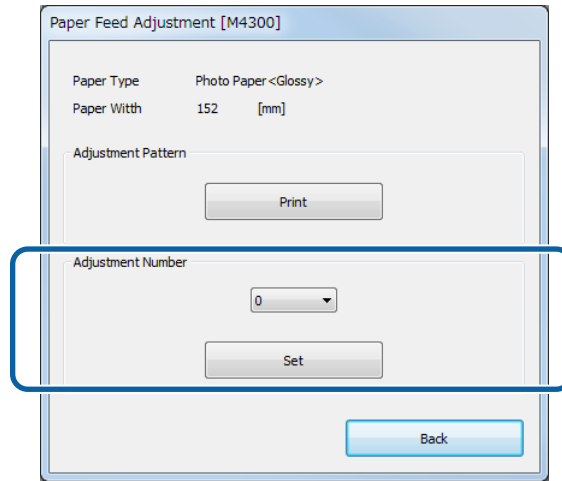
The adjustment values are applied.
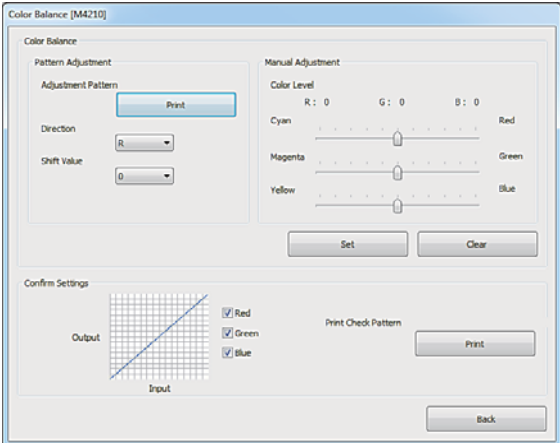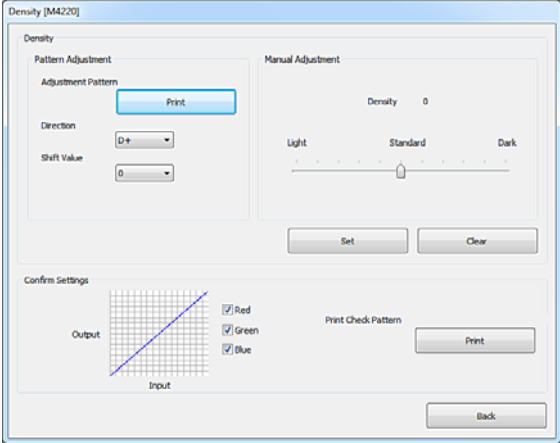
Using the Maintenance Tool (Windows)

Gray Adjustment
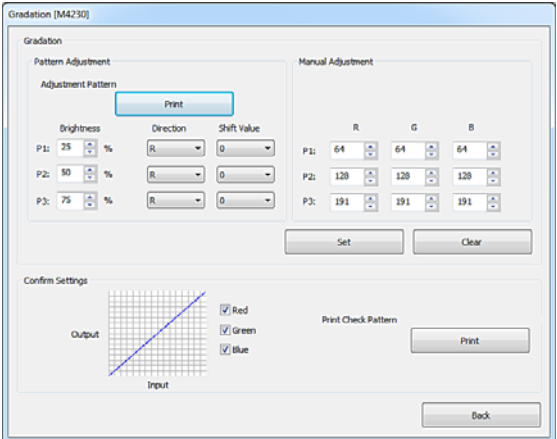
Adjusts each value for color balance, density, and gradation, to correct the print colors.

You can adjust the **Image Quality** to high resolution, standard, or high speed.

Print an adjustment pattern, and then select the best setting from the patterns.

Item	Explanation
Color Balance	Adjusts the strength of C (Cyan), M (Magenta), and Y (Yellow) to adjust the color balance.
Density	Adjusts the density (darker/lighter).

Using the Maintenance Tool (Windows)

Item	Explanation
Gradation	Adjusts the gradation (difference between light and dark).

Note:
When adjusting the color balance so that it matches between multiple printers, print an adjustment pattern for the secondary printers and select the pattern closest to the adjustment pattern for the printer being used as the standard.

Adjustment pattern for the standard printer
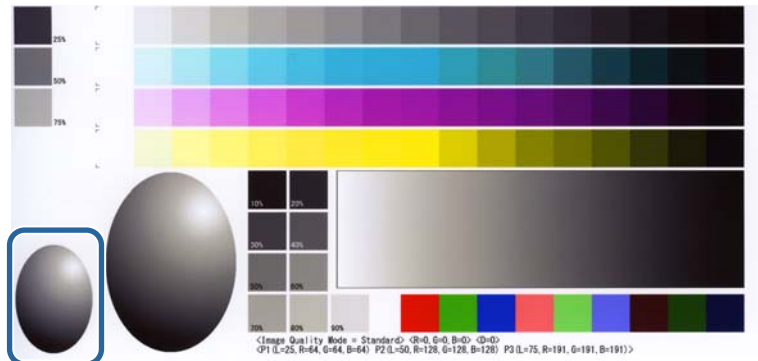
Adjustment pattern for the printer you want to match to the standard printer
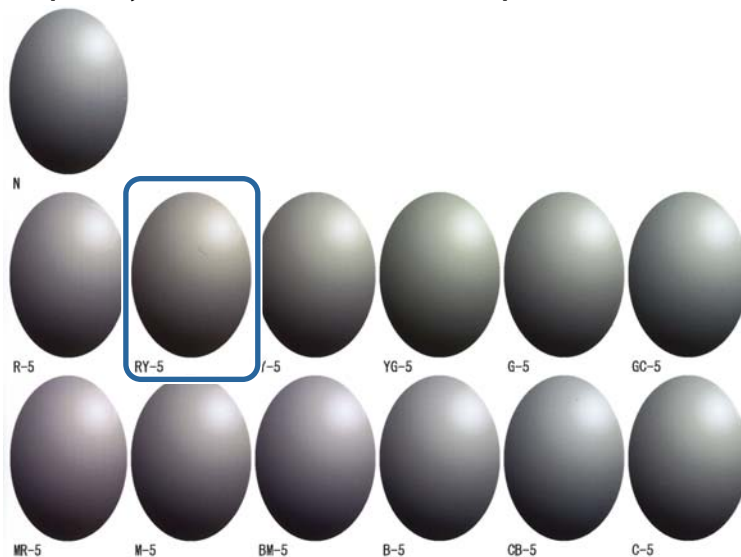
Using the Maintenance Tool (Windows)

Color Balance

1 Click **Printer Adjustment** on the main screen.
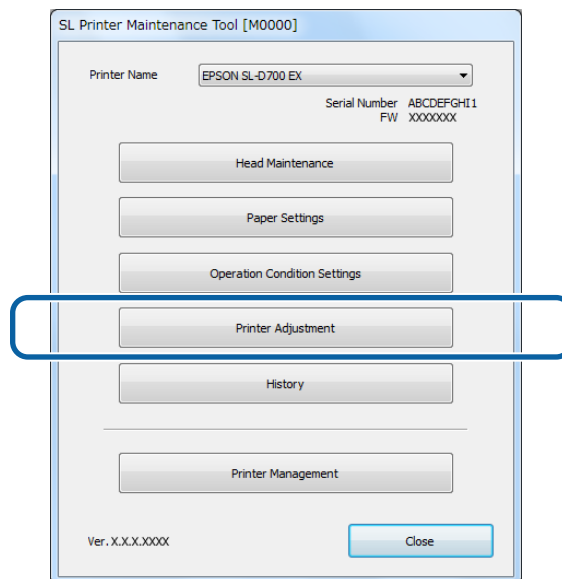
The **Printer Adjustment** screen is displayed.

2 Click **Gray Adjustment**.
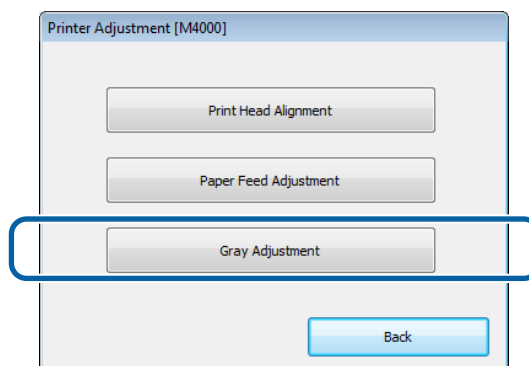
The **Gray Adjustment** screen is displayed.

Using the Maintenance Tool (Windows)

3 Select the image quality setting you want to adjust.

Available image quality settings differ according to the loaded paper type.

4 Click **Color Balance**.

The **Color Balance** screen is displayed.

Using the Maintenance Tool (Windows)

5 On the **Color Balance** screen, click **Print** from **Adjustment Pattern**.
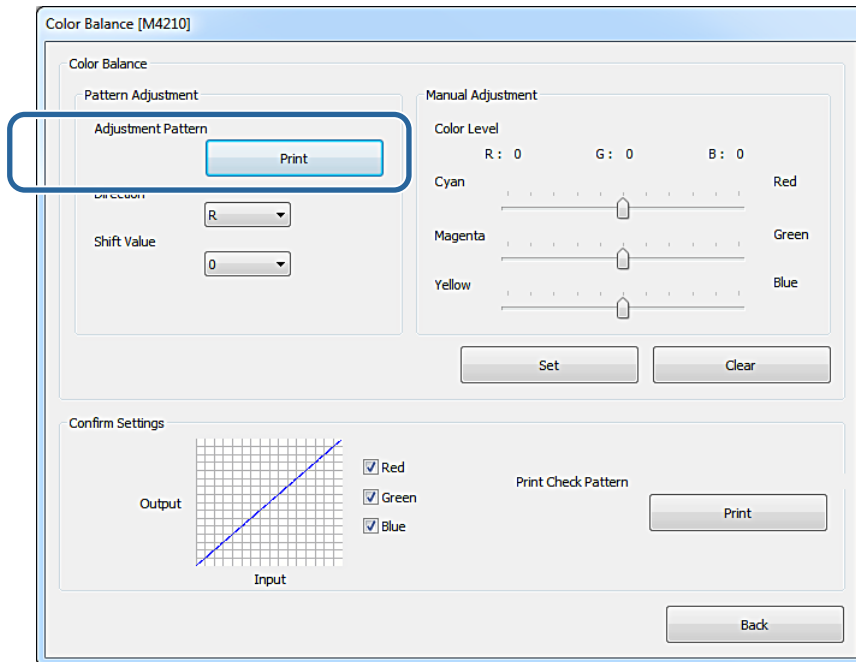
6 Select **Adjustment Pattern Shift Value**, and then click **Print**.

If the value is large, an adjustment pattern with a large number of variations in the correction values is printed.

Select a small value to fine-tune your adjustments.
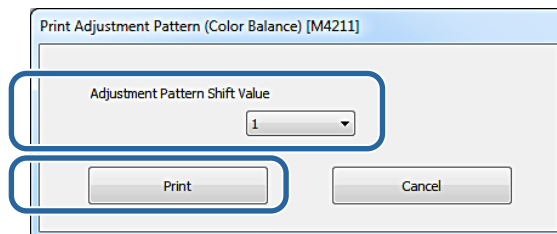
The adjustment pattern is printed.

7 Select the best pattern from the adjustment patterns, and check the adjustment number.

The adjustment numbers are the letters and numbers printed at the bottom left of each pattern. (Example: RY-5)

The letters show the direction of the color to be adjusted. "N" indicates no adjustment.

The numbers indicate the shift value.

Using the Maintenance Tool (Windows)
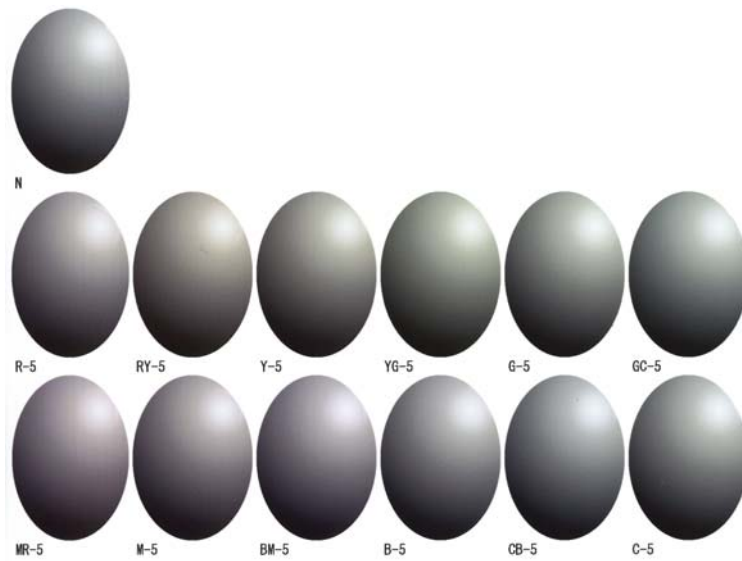
8 Set the **Direction** and **Shift Value**.

Set the adjustment number for the selected adjustment pattern.

When you change the settings, the changes are reflected in the slide bar on the right of the screen and the graph (tone curve) at the bottom of the screen.

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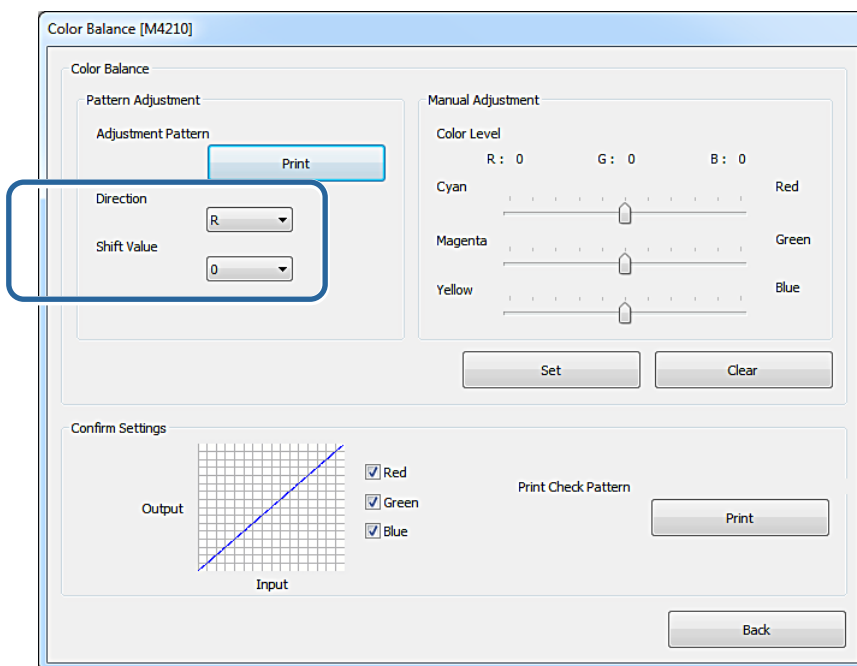
Using the Maintenance Tool (Windows)

Note:
❏   *The tone curve shows the output strength for each input color (R: Red, G: Green, and B: Blue). When there are no corrections, the line goes straight from the top right to the bottom left; if the line curves down from this position, the colors become darker, and if the line curves up, the colors become lighter.*

❏   *You can adjust the color balance manually in **Manual Adjustment** on the right of the screen. When adjusting manually, the value set in **Pattern Adjustment** is no longer used.*

❏   *If you click **Clear**, the **Color Balance** adjustment number returns to its default value. Save the values in **Density** and **Gradation**.*

---

9 Click **Print** from **Print Check Pattern**.

The check pattern is printed.

Check that the color balance is as you intended.
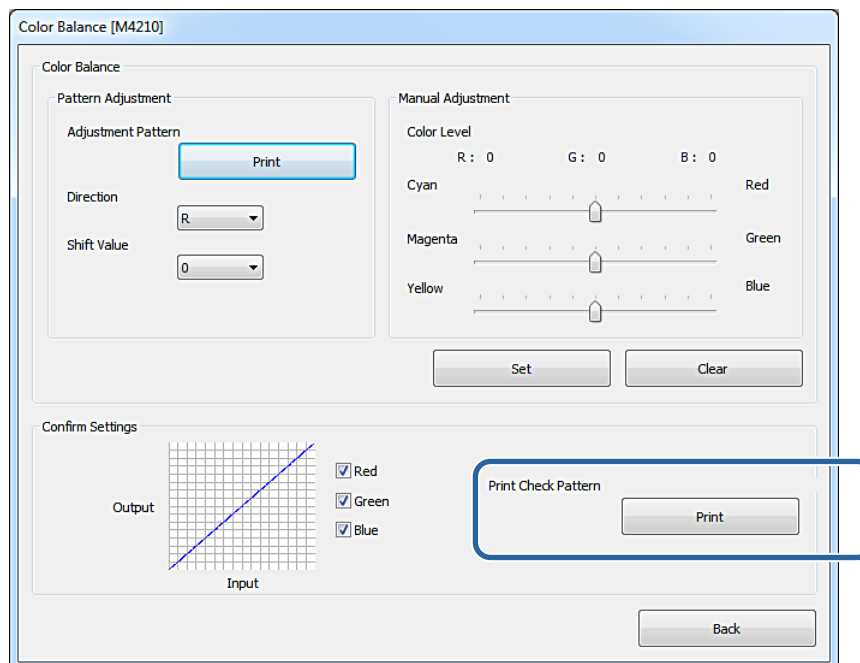
10 Click **Set**.

The settings are applied.

11 Click **Back**.

The Settings screen closes.

Using the Maintenance Tool (Windows)

Density

<table>
<tr><td>1</td><td>Click Printer Adjustment on the main screen.</td></tr>
</table>
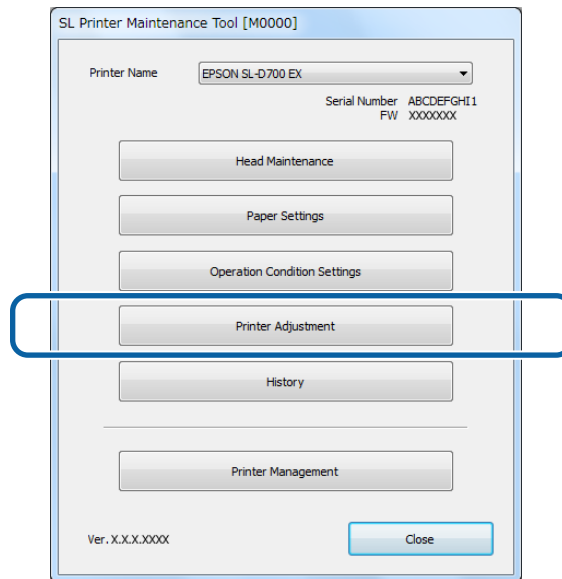
The **Printer Adjustment** screen is displayed.

<table>
<tr><td>2</td><td>Click Gray Adjustment.</td></tr>
</table>
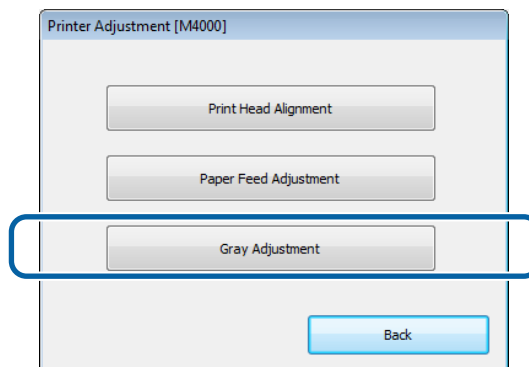
The **Gray Adjustment** screen is displayed.

3 | Select the image quality setting you want to adjust.

Available image quality settings differ according to the loaded paper type.
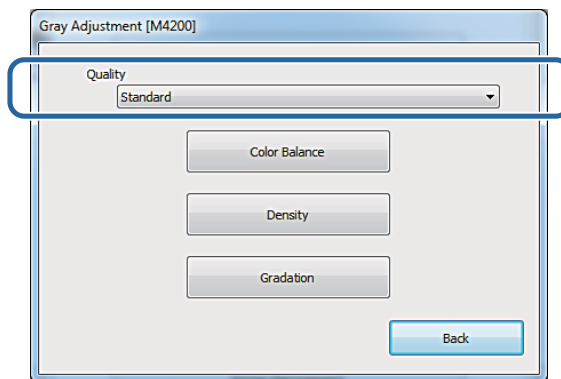
4 | Click **Density**.
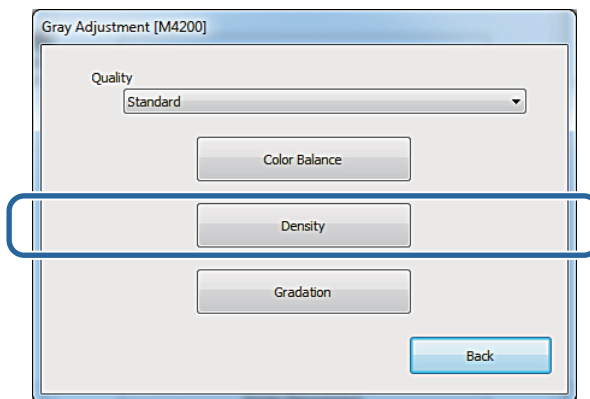
The **Density** screen is displayed.

Using the Maintenance Tool (Windows)

5 On the **Density** screen, click **Print** from **Adjustment Pattern**.

The adjustment pattern is printed.
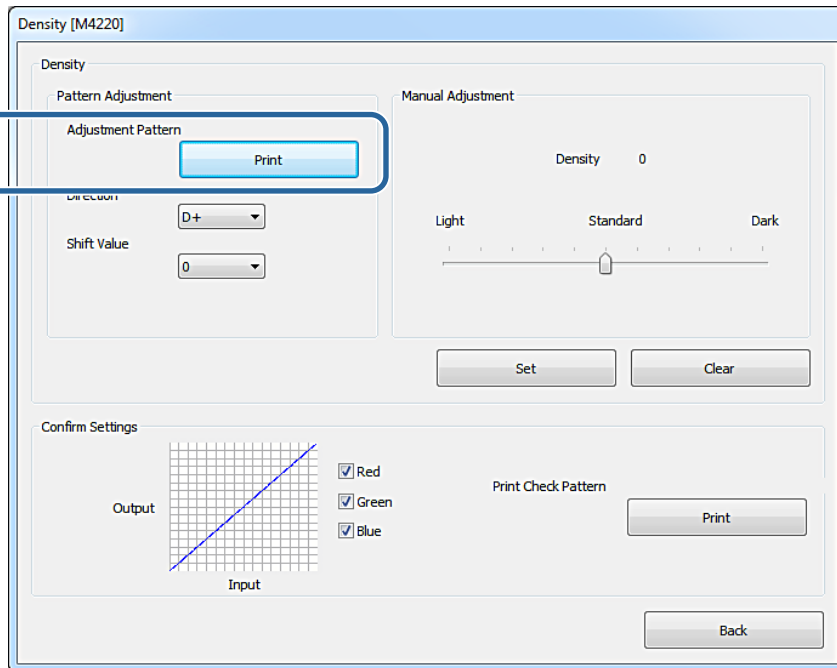
6 Select the best pattern from the adjustment patterns, and check the adjustment number.

The adjustment numbers are the letters and numbers printed at the bottom left of each pattern. (Example: D-2)

"N" indicates no adjustment. The numbers indicate the shift value.
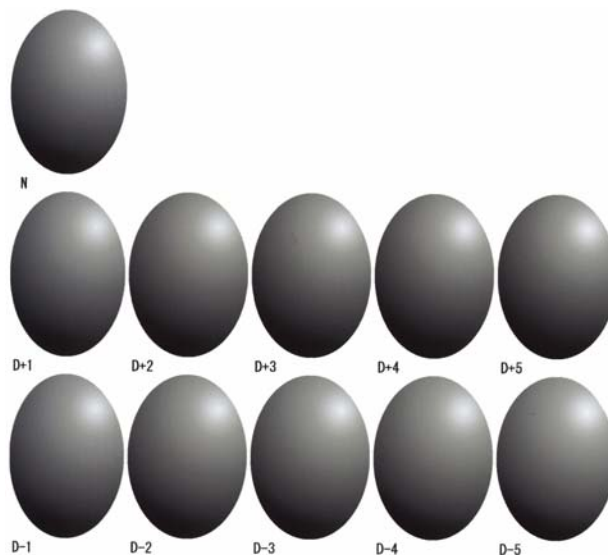
Using the Maintenance Tool (Windows)

7 Set the **Direction** and **Shift Value**.

Set the adjustment number for the selected adjustment pattern.

Set the light and darkness (D+ and D-) in **Direction**, and the numbers in **Shift Value**.
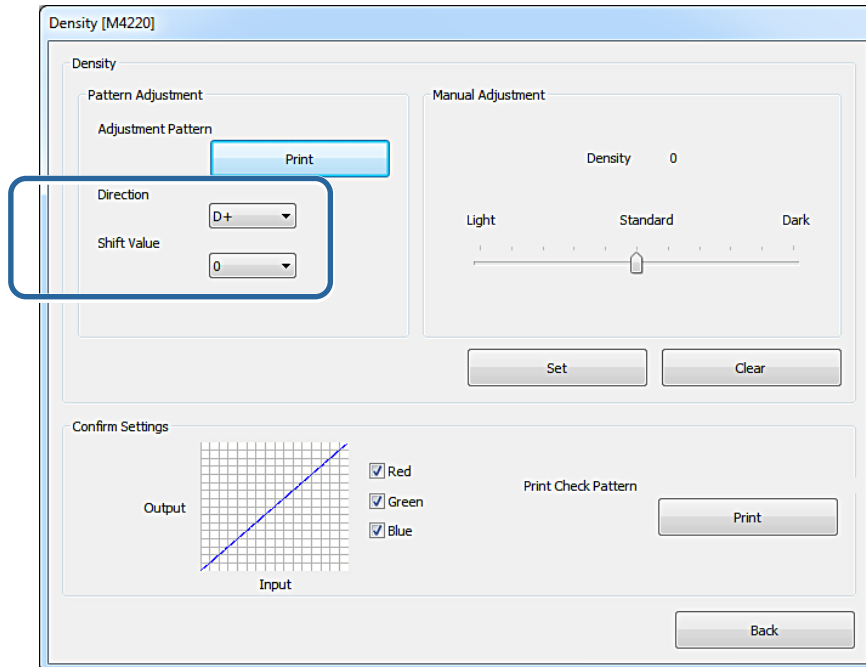
When you change the settings, the changes are reflected in the slide bar on the right of the screen and the graph (tone curve) at the bottom of the screen.

> *Note:*
> ❏ *The tone curve shows the output strength for each input color (R: Red, G: Green, and B: Blue). When there are no corrections, the line goes straight from the top right to the bottom left; if the line curves down from this position, the colors become darker, and if the line curves up, the colors become lighter.*
>
> ❏ *You can adjust the density manually in **Manual Adjustment** on the right of the screen. When adjusting manually, the value set in **Pattern Adjustment** is no longer used.*
>
> ❏ *If you click **Clear**, the **Density** adjustment number returns to its default value. Save the values in **Color Balance** and **Gradation**.*

Using the Maintenance Tool (Windows)

8 Click **Print** from **Print Check Pattern**.

The check pattern is printed.

Check that the color balance is as you intended.
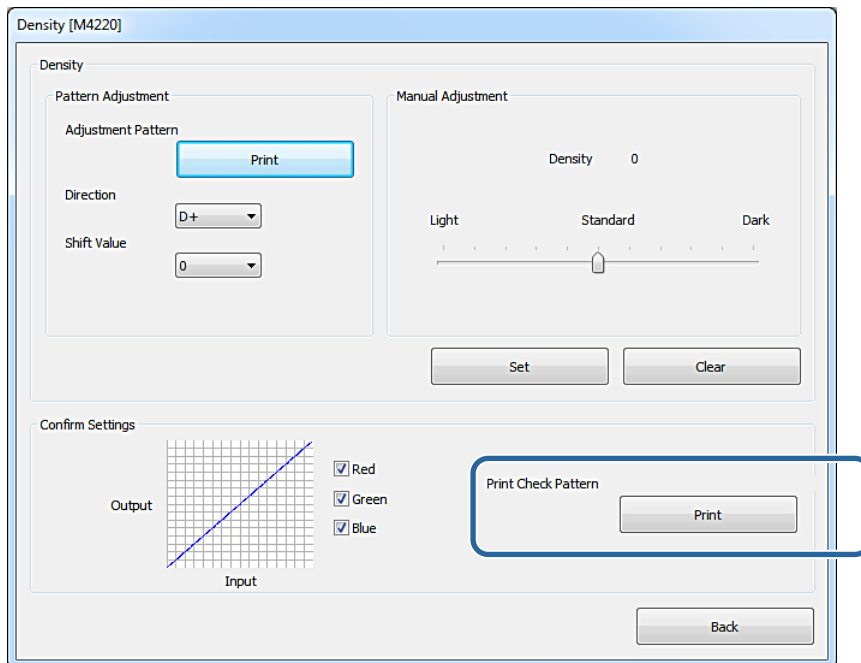
9 Click **Set**.

The settings are applied.

10 Click **Back**.

The Settings screen closes.

Gradation

1 Click **Printer Adjustment** on the main screen.
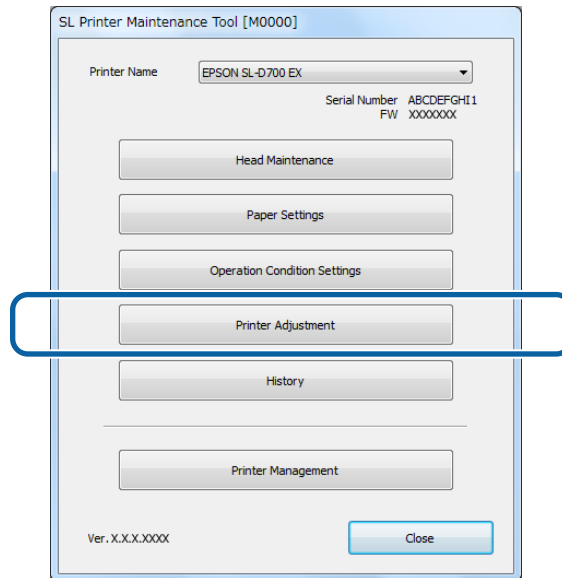
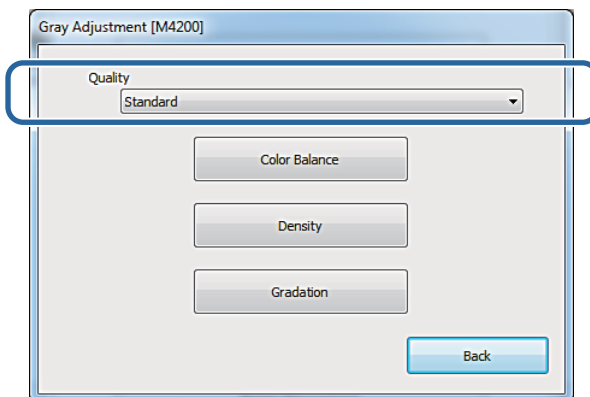The **Printer Adjustment** screen is displayed.

2 Click **Gray Adjustment**.
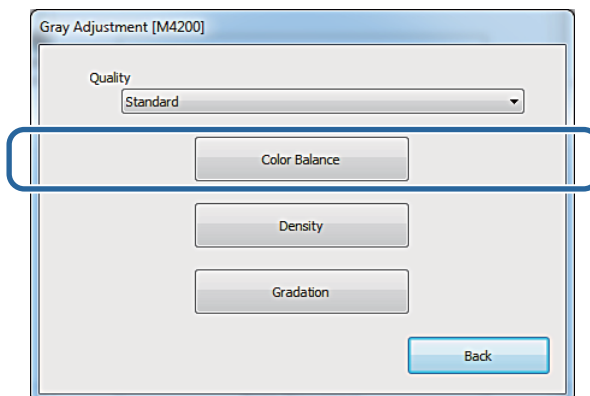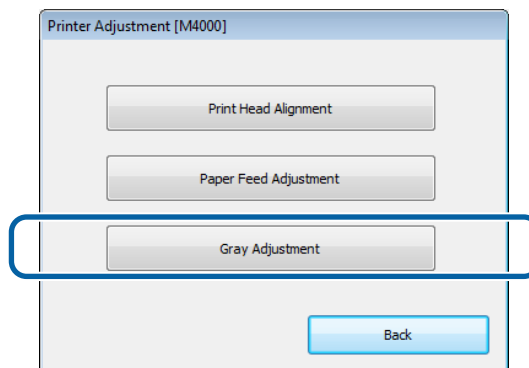

The **Gray Adjustment** screen is displayed.

Using the Maintenance Tool (Windows)

3 Select the image quality setting you want to adjust.

Available image quality settings differ according to the loaded paper type.
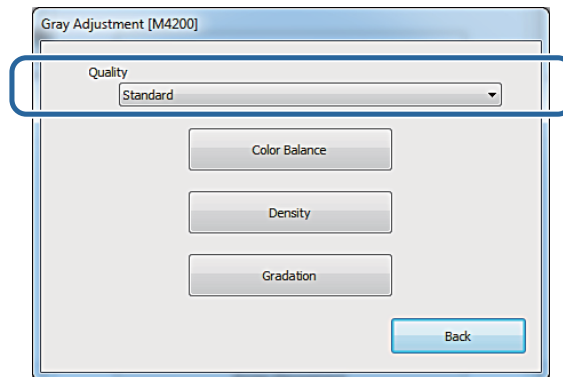
4 Click **Gradation**.
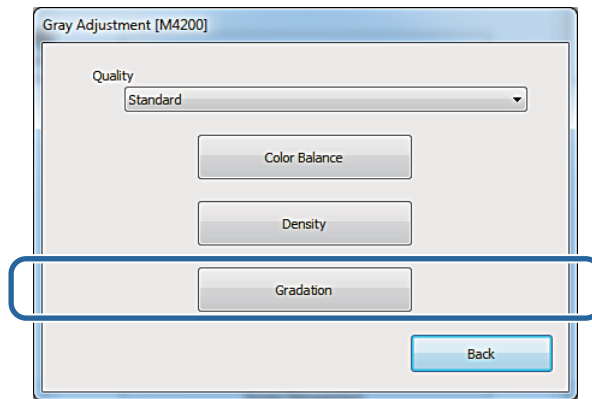
The **Gradation** screen is displayed.

5 On the **Gradation** screen, you can adjust the settings for brightness points (P1: shadows, P2: intermediate colors, P3: highlights) if necessary.
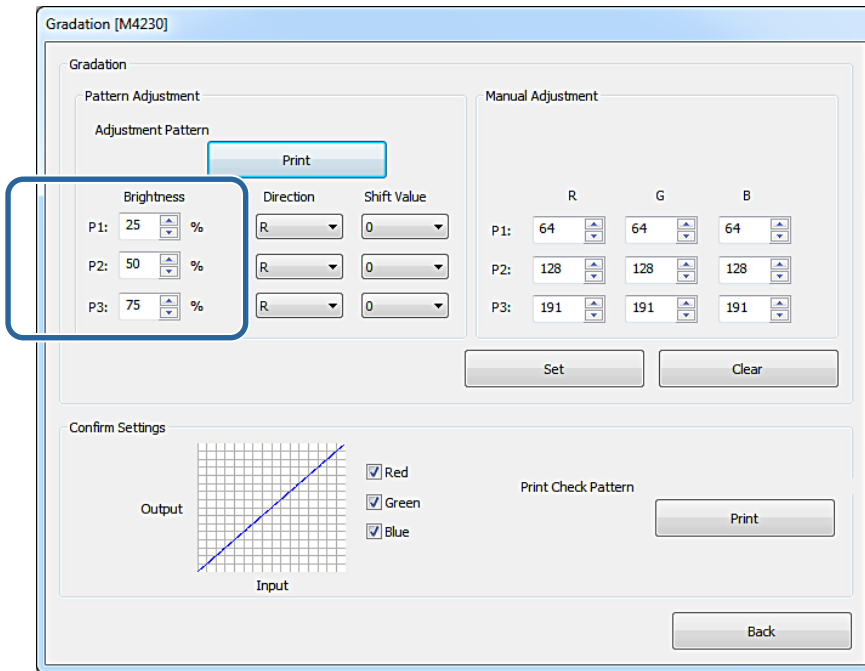
6 Click **Print** from **Adjustment Pattern**.

The screen where you can set the adjustment pattern shift value to be printed is displayed.

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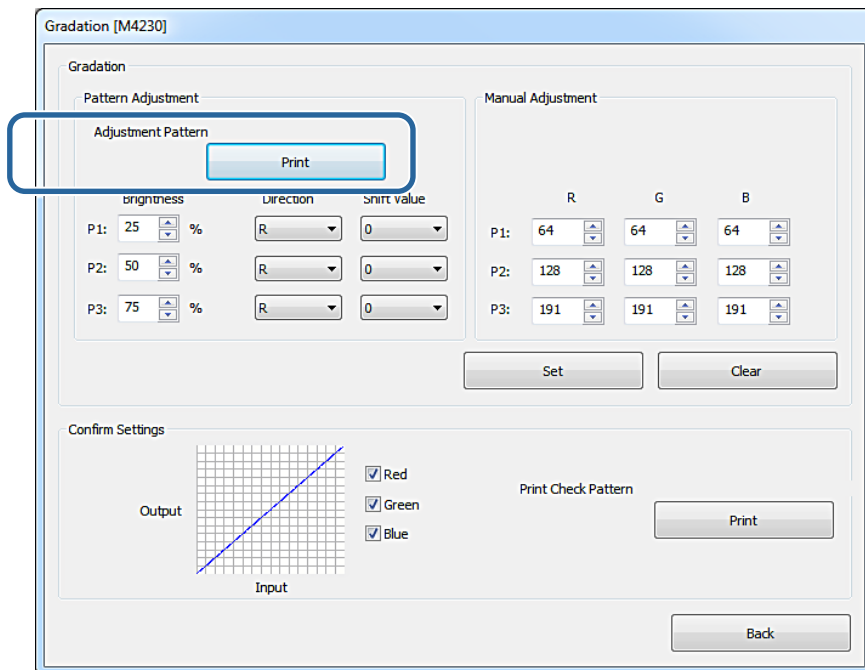
7 Select **Adjustment Pattern Shift Value**, and then click **Print**.

If the value is large, an adjustment pattern with a large number of variations in the correction values is printed.

Select a small value to fine-tune your adjustments.

Set the shift value for each brightness point; P1 (shadows), P2 (intermediate colors), and P3 (highlights).

Print Adjustment Pattern (Gradation) [M4231]

Adjustment Pattern Shift Value

P1   1
P2   1
P3   1

Print   Cancel
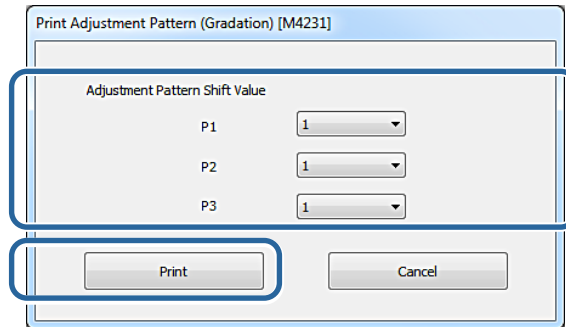
The adjustment pattern is printed.

8 Select the best pattern from the adjustment patterns, and check the adjustment number.

The adjustment numbers are the letters and numbers printed at the bottom left of each pattern. (Example: R-5)

The letters show the direction of the color to be adjusted. "N" indicates no adjustment.

The numbers indicate the shift value.

Check each brightness point; P1 (shadows), P2 (intermediate colors), and P3 (highlights).
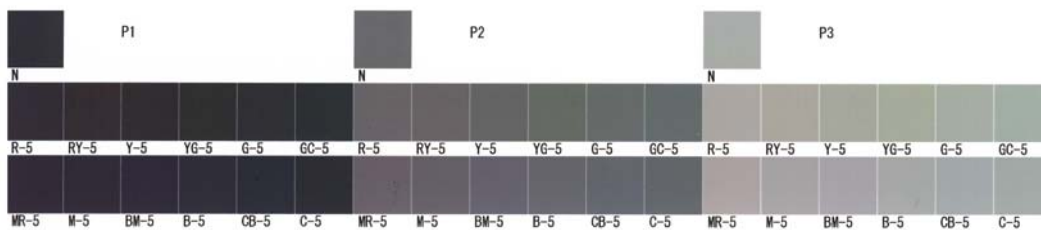
Using the Maintenance Tool (Windows)

9 Set the **Direction** and **Shift Value**.

Set the adjustment number for the selected adjustment pattern.
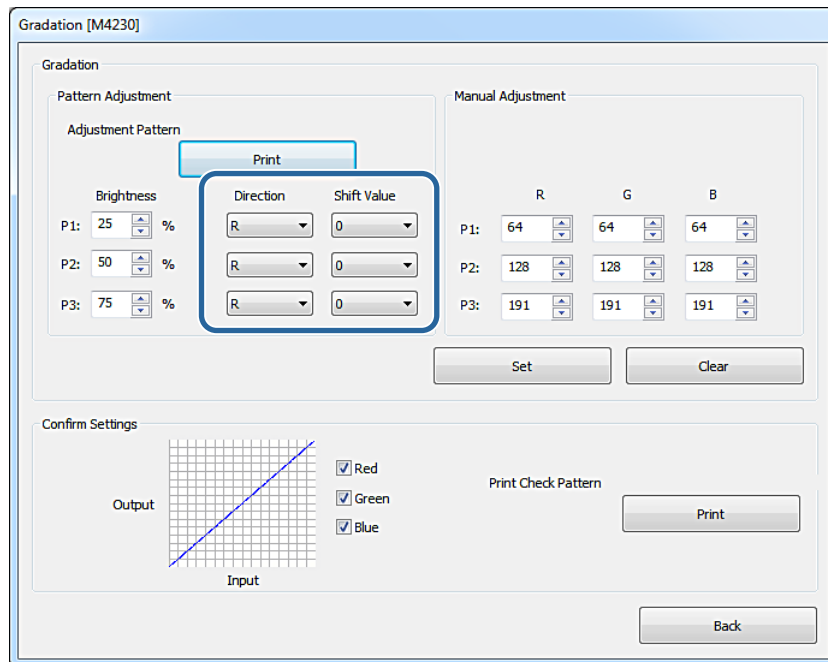
When you change the settings, the changes are reflected in each number for **Manual Adjustment** on the right of the screen and the graph (tone curve) at the bottom of the screen.

Note:

❏ *The tone curve shows the output strength for each input color (R: Red, G: Green, and B: Blue). When there are no corrections, the line goes straight from the top right to the bottom left; if the line curves down from this position, the colors become darker, and if the line curves up, the colors become lighter.*

❏ *You can adjust the gradation manually in* **Manual Adjustment** *on the right of the screen. When adjusting manually, the value set in* **Pattern Adjustment** *is no longer used.*

❏ *If you click* **Clear***, the* **Gradation** *adjustment number returns to its default value. Save the values in* **Color Balance** *and* **Density***.*

---

10 Click **Print** from **Print Check Pattern**.

The check pattern is printed.

Using the Maintenance Tool (Windows)

Check that the color balance is as you intended.
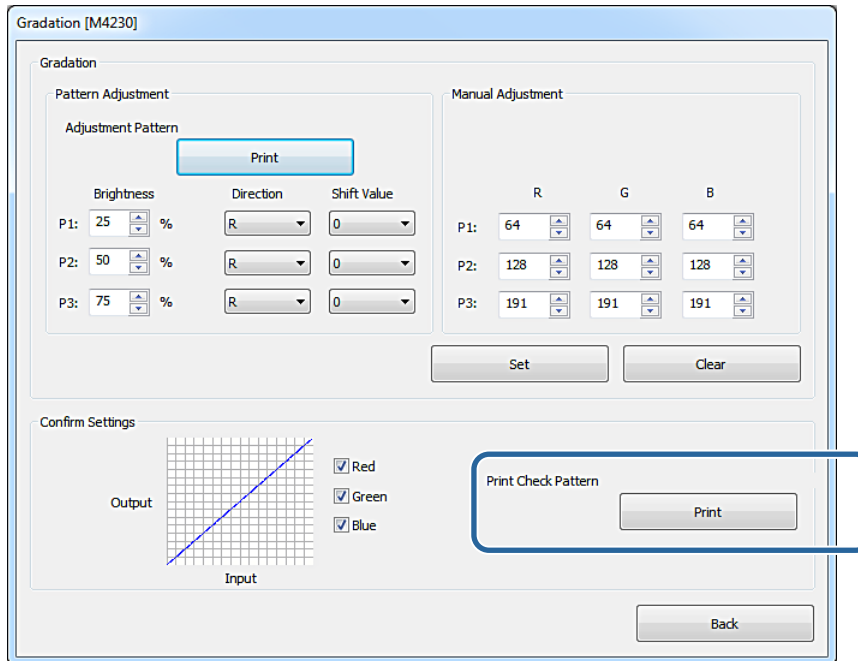
| 11 | Click **Set**. |

The settings are applied.

| 12 | Click **Back**. |

The Settings screen closes.

Using the Maintenance Tool (Windows)

Problems with Gray Adjustment

Cause	Error message	What to do
The print quality of the adjustment pattern is bad	-	**Are some print head nozzles clogged?** Print an adjustment pattern again after performing head cleaning.
An error occurs when the setting is applied.	Setup failed. Cannot communicate with the selected printer.	**Is the printer connected to the computer correctly?** Check the connection between the computer and the printer, and then click **Apply** again.
		Is the computer's hard disk out of space? Free up additional space on the computer's hard disk, and then click **Apply** again.
The wrong adjustments have been applied. I want to make the adjustments again.	-	**Return the settings to their defaults, and then adjust again.** Click **Clear** for Color Balance, Density, and Gradation, and then make the adjustments again.

Using the Maintenance Tool (Windows)

History

In **History**, you can check the **Operation History**, and save log files in **Collect Logs**.

Operation History

You can check errors and the total number of copies printed.

1   Click **History** on the main screen.
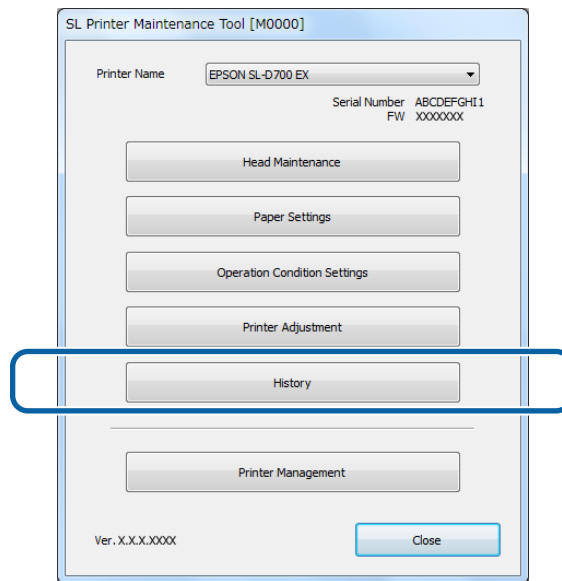
The **History** screen is displayed.

2   Click **Operation History**.
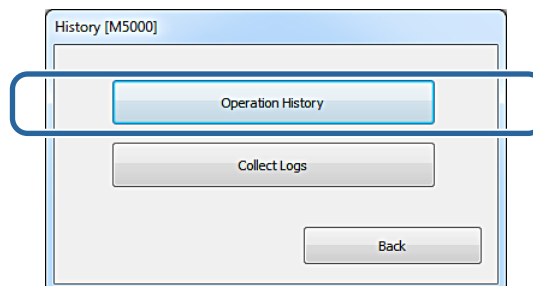
The **Operation History** screen is displayed.

Using the Maintenance Tool (Windows)

| 3 | Check the **Operation History** screen. |
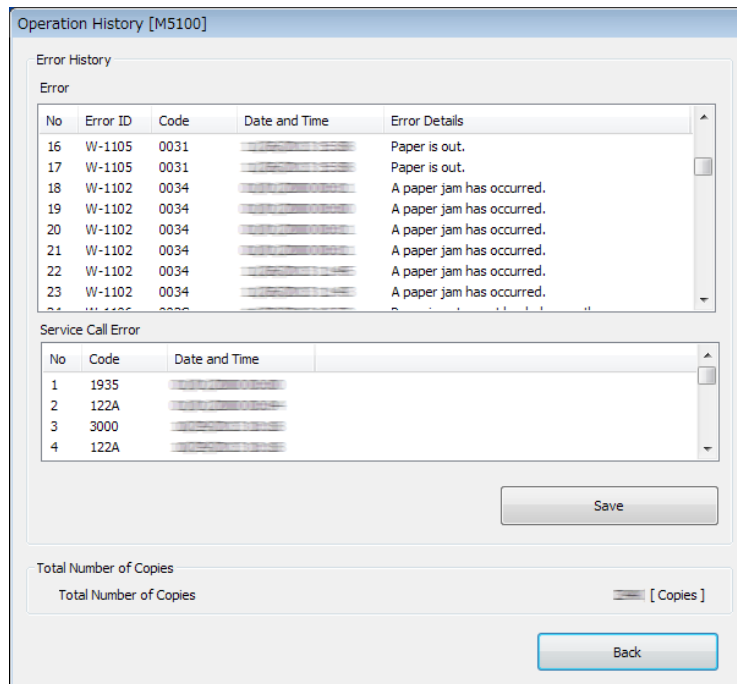
80 instances of errors and notifications that occurred in the printer, and 20 instances of service call errors are displayed.

The code indicates the error number.

If you click **Save**, the **Save As** screen is displayed and you can save the error history as a text file.

Collect Logs

Saves the log files accumulated on the printer.

| 1 | Click **History** on the main screen. |
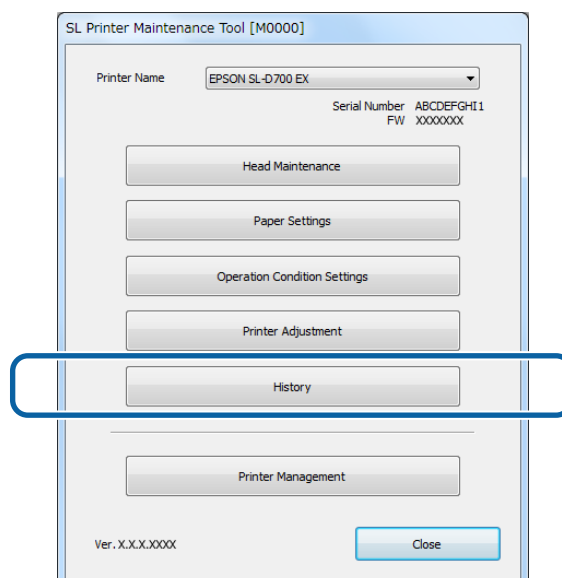
Using the Maintenance Tool (Windows)

The **History** screen is displayed.

2 Click **Collect Logs**.
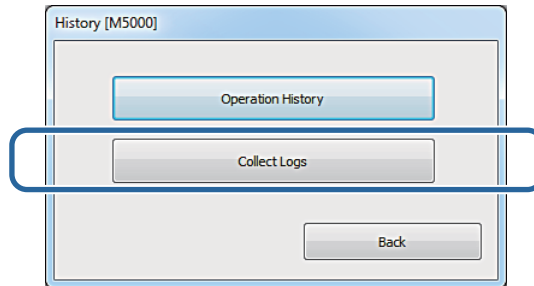
The **Collect Logs** screen is displayed.

3 Click **Save**.
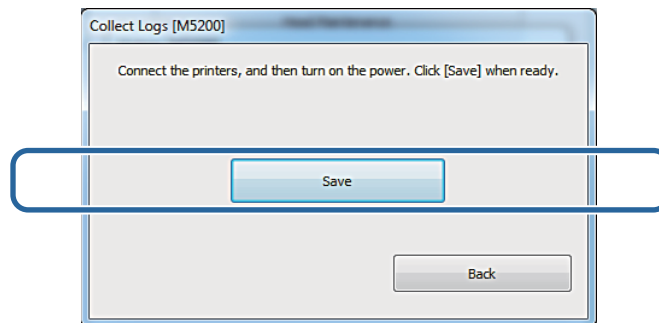
When the **Save As** screen is displayed, you can save the log data as a zip file.

Using the Maintenance Tool (Windows)

Printer Management

In **Printer Management**, you can perform printer management operations such as **Firmware Update**, **Update Paper Information**, **Register/Delete Printer**, **Replace Printer**, and **Spool Folder Settings**.

Firmware Update

Updates the printer's firmware.

1 Click **Printer Management** on the main screen.
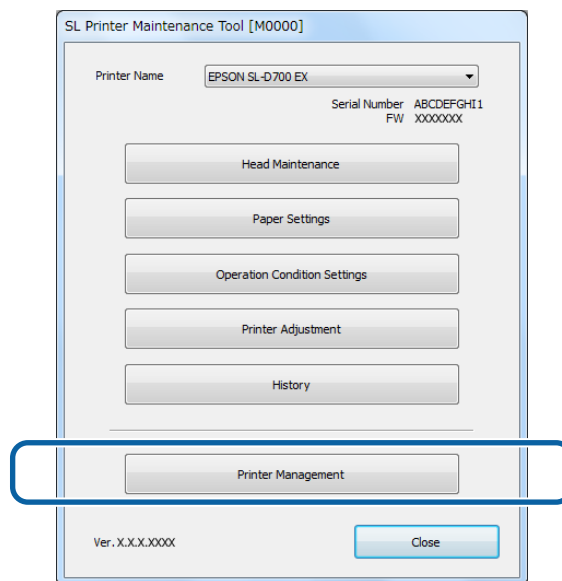
The **Printer Management** screen is displayed.

2 Click **Firmware Update**.
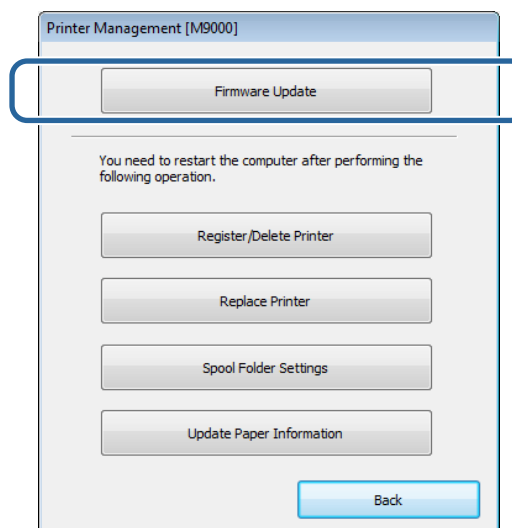
The **Firmware Update** screen is displayed.

3 Check that the printer is connected and turned on.

When multiple printers are connected, check all of the printers.

> ❗ *Important:*
> *Do not print while updating.*

4 Click **Update**.
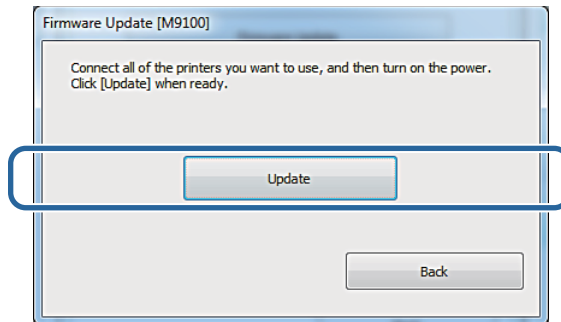
The update is executed.

A confirmation message is displayed when the update is complete.

Register/Delete Printer

Registers or deletes the printer.

1 Connect and turn on all of the printers you want to register. Disconnect and turn off all of the printers you want to delete.

2 Click **Printer Management** on the main screen.
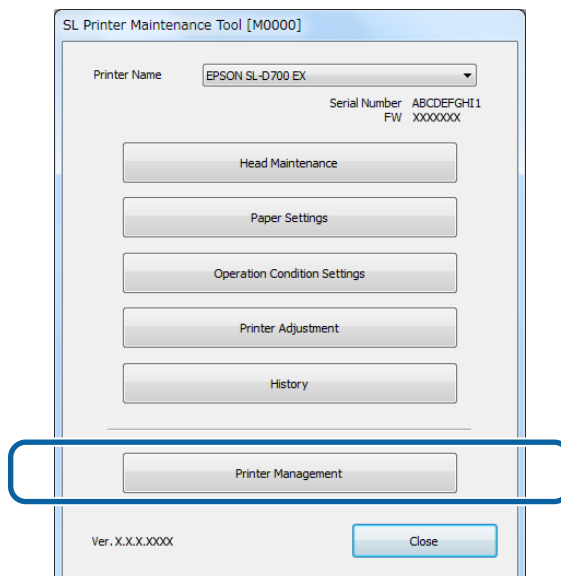
Using the Maintenance Tool (Windows)

The **Printer Management** screen is displayed.

3 Click **Register/Delete Printer**.

Printer Management [M9000]

| Firmware Update |

You need to restart the computer after performing the following operation.

| Register/Delete Printer |

| Replace Printer |

| Spool Folder Settings |

| Update Paper Information |

| Back |
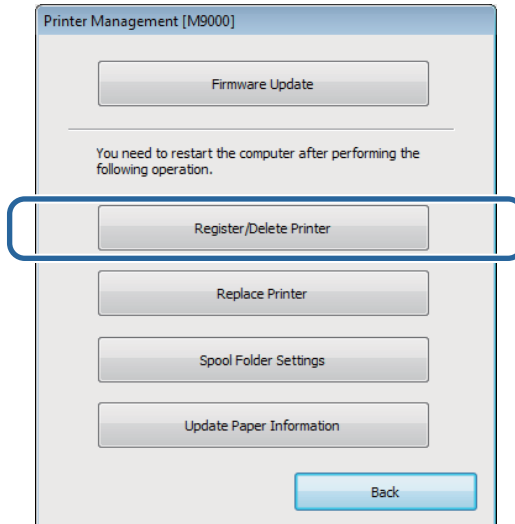
The **Register/Delete Printer** screen is displayed.

4 Click **Execute**.

Register/Delete Printer [M9200]

Connect all of the printers you want to use, and then turn on the power. Printers that are not connected or that are turned off will not be registered to the target printer list.

Click [Execute] when ready.

| Execute |

| Back |
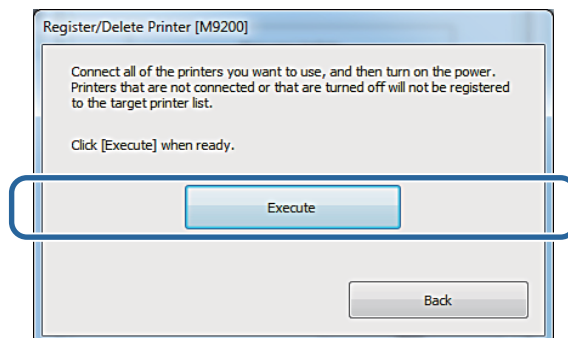
Registering and deleting the printers is performed.

A confirmation message is displayed when the process is complete.

> *Note:*
> *When an updated paper type file is available, the paper information for printers that were additionally registered is updated.*
> U *"Update Paper Information" on page 58*

Using the Maintenance Tool (Windows)

Replace Printer

Replaces a printer with the same printer name.

1 Disconnect the printer you do not want to use. Connect and turn on the printer you want to use instead.

2 Click **Printer Management** on the main screen.
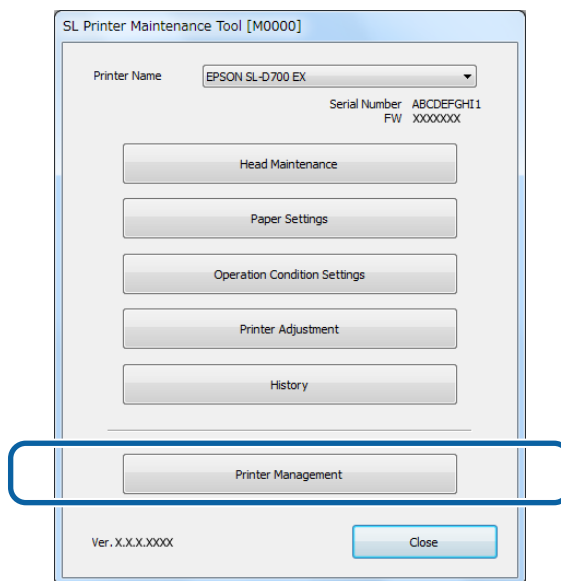
The **Printer Management** screen is displayed.

3 Click **Replace Printer**.
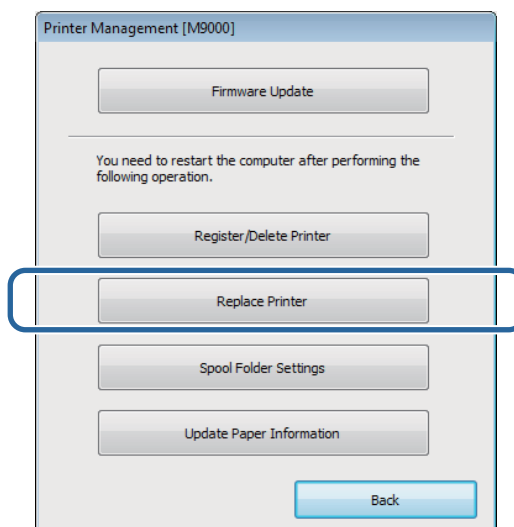
The **Replace Printer** screen is displayed.
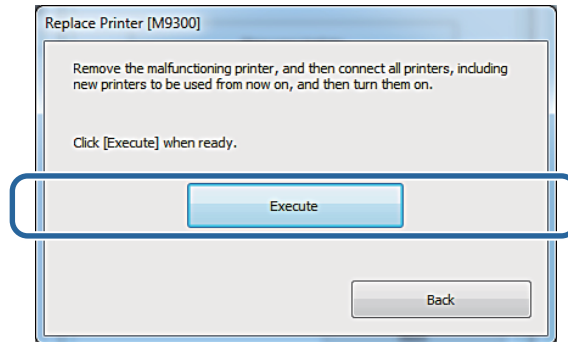
Using the Maintenance Tool (Windows)

4 Click **Execute**.

The printer replacement process is performed.

A confirmation message is displayed when the process is complete.

When multiple printers are connected, the **Select Printer for Replacement** screen is displayed.

Select the printer in the next step.

5 When multiple printers are connected, select the printer you want to replace, and then click **OK**.
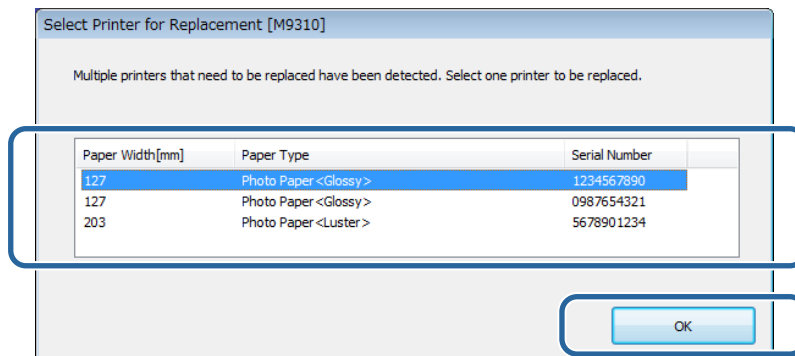
The printer replacement process is performed.

A confirmation message is displayed when the process is complete.

Note:
When an updated paper type file is available, the paper information for printers that were additionally registered is updated.
U *"Update Paper Information" on page 58*

6 Register the paper information again in **Paper Settings**.

U *"Paper Settings" on page 18*

Using the Maintenance Tool (Windows)

Spool Folder Settings

Set the folder that temporarily stores the spooled data for printing that was generated by the printer driver.

1 Click **Printer Management** on the main screen.
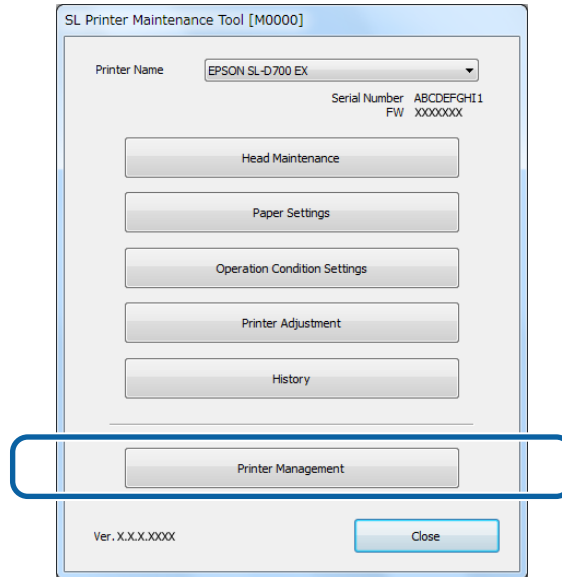
The **Printer Management** screen is displayed.

2 Click **Spool Folder Settings**.
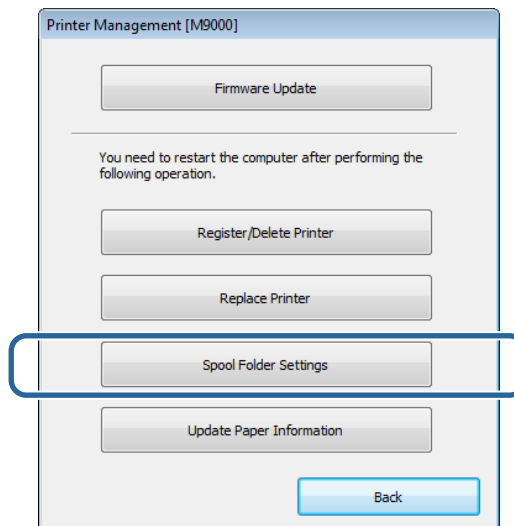
The **Spool Folder Settings** screen is displayed.

Using the Maintenance Tool (Windows)

3 Click **Select Folder**.
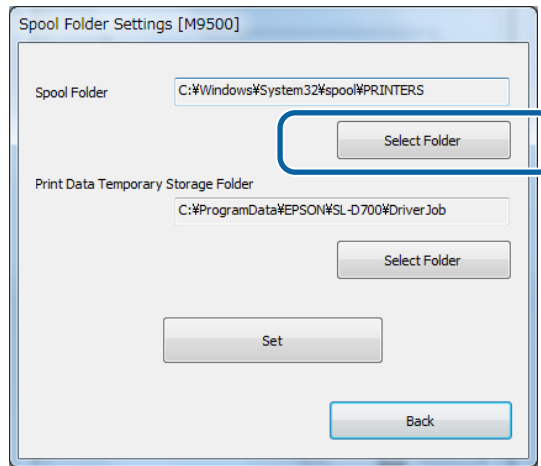
The select folder screen is displayed.

4 Select a folder, and then click **OK**.
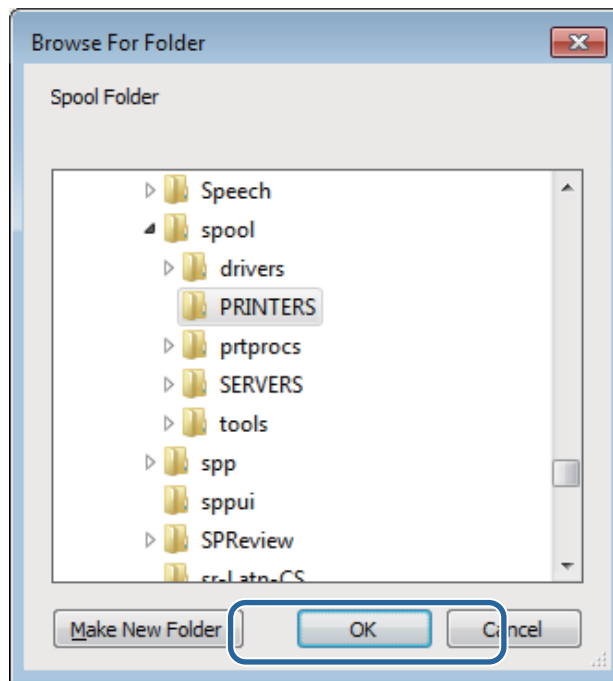
The path to the selected folder is displayed.

5 Repeat steps 3 and 4 to set the **Print Data Temporary Storage Folder**.

6 Check that the printer is connected and turned on, and that printing is complete.

When multiple printers are connected, check all of the printers.

Check that there are no print jobs remaining.

Using the Maintenance Tool (Windows)

> ❗ *Important:*
> *Do not print while making settings.*

7 Click **Set**.
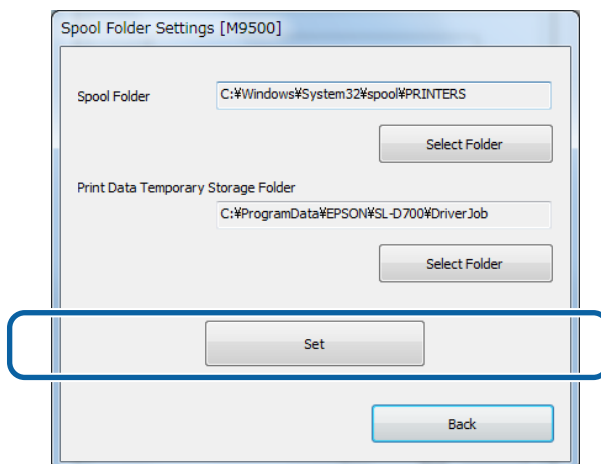
The spool folder is set.

Update Paper Information

Registers a paper type file to the printer.

1 Click **Printer Management** on the main screen.
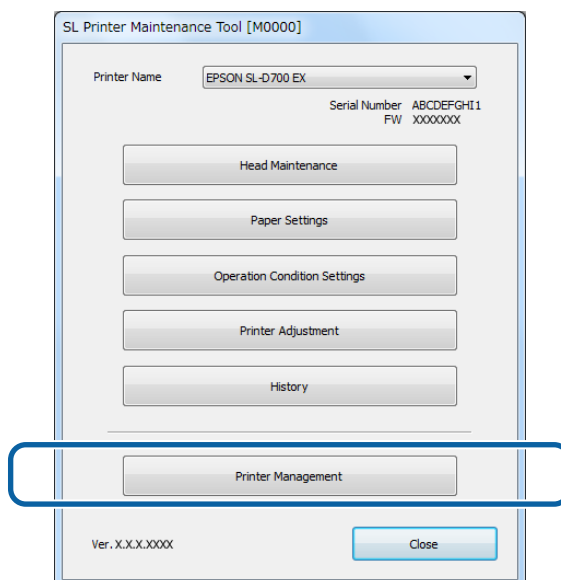
The **Printer Management** screen is displayed.

Using the Maintenance Tool (Windows)

2 Click **Update Paper Information**.
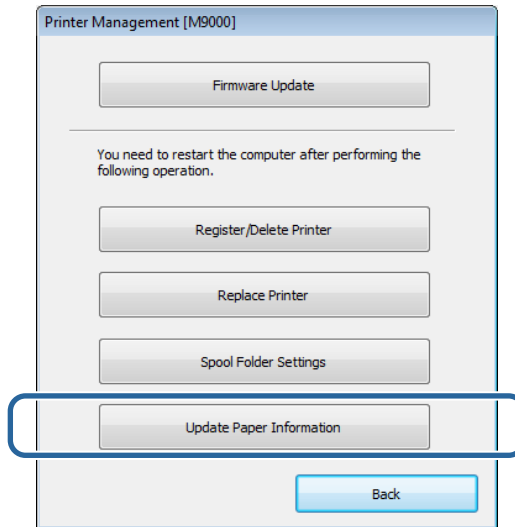
The **Update Paper Information** screen is displayed.

3 Click **Select Paper Type File**.
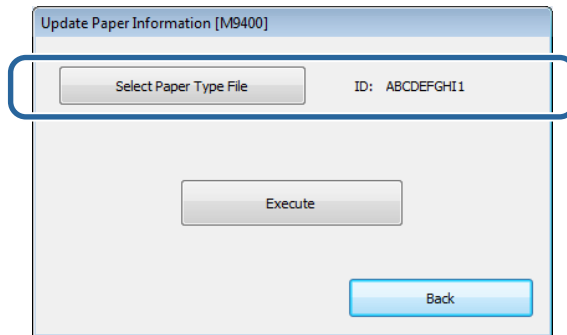
The select file screen is displayed.

4 Select a paper type file, and then click **Open**.
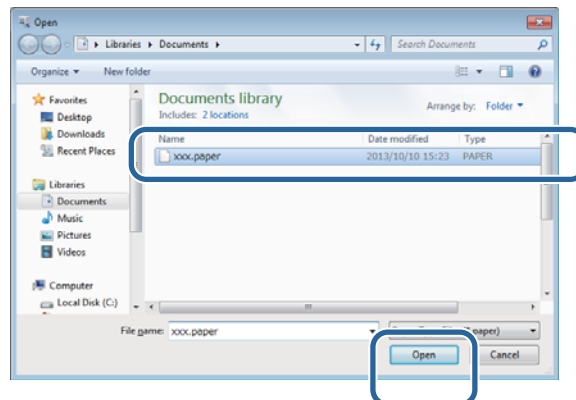
The ID for the selected paper type file is displayed.

Using the Maintenance Tool (Windows)

> ❗ *Important:*
> *Make sure you select a paper type file.*

> *Note:*
> *Contact your local dealer for information on acquiring paper type files.*

5 Check that the printer is connected and turned on.

When multiple printers are connected, check all of the printers.

> ❗ *Important:*
> *Do not print while during registration.*

6 Click **Execute**.
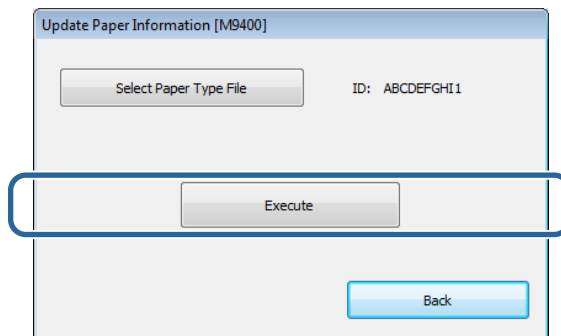
The paper information is updated.

A confirmation message is displayed when the update is complete.

Using the Maintenance Tool (Windows)

Troubleshooting

About error messages

Error messages (Status Monitor screen) are displayed when an error occurs in the printer while printing. The error code, error details, solutions, and so on are displayed on the screen.
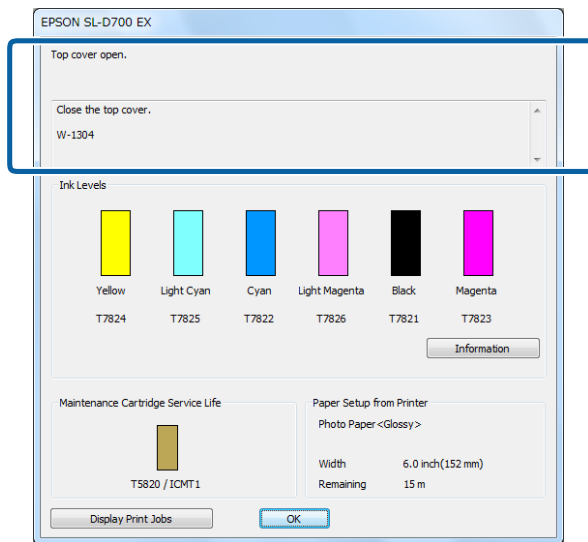
Note:
❏ *See the "Operation Guide" for a list of error messages and solutions.*
   ☞ *"Operation Guide" - "Errors and Solutions"*

❏ *You can also display the Status Monitor screen by following the steps below.*
   1. Click Print and so on from the File menu of the application you are using.
   2. Select this printer, and then click Print Settings (or Detailed Settings or Properties).
   *3. On the Main screen, click **Display Printer Status**.*
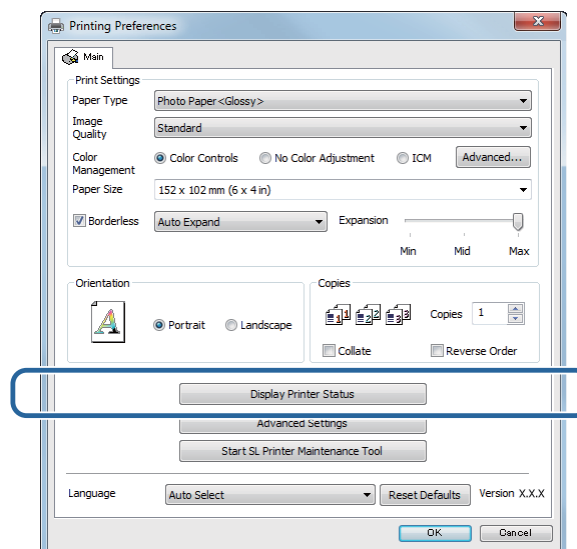
Using the Maintenance Tool (Windows)

Cannot perform Replace Printer from Maintenance Tool

Cause	What to do
The message "Cannot find a printer requiring replacement." is displayed.	**Is the printer icon displayed under "Unspecified" in the "Devices and Printers" or "Printers and Faxes" folder?** If the icon is displayed under **Unspecified**, do the following: 1. Click **OK** on the message displayed, and then close Maintenance Tool. 2. Click **Start** - **Control Panel** - **Hardware and Sound** - **Device Manager** - **Other devices**. 3. Right-click **EPSON SL-D700**, and then click **Update Driver Software**. 4. Click **Search automatically for updated driver software**. 5. After the driver software is updated, click **Close**. 6. Start Maintenance Tool, and replace the printer. U "Replace Printer" on page 54

Cannot perform Register/Delete Printer correctly

Cause	What to do
The message "Registering/deleting the printer is complete. 0 registered, X deleted." is displayed.	**Is the printer icon displayed under "Unspecified" in the "Devices and Printers" or "Printers and Faxes" folder?** If the icon is displayed under **Unspecified**, do the following: 1. Click **OK** on the message displayed, and then close Maintenance Tool. 2. Click **Start** - **Control Panel** - **Hardware and Sound** - **Device Manager** - **Other devices**. 3. Right-click **EPSON SL-D700**, and then click **Update Driver Software**. 4. Click **Search automatically for updated driver software**. 5. After the driver software is updated, click **Close**. 6. Start Maintenance Tool, and then register the printer. U "Register/Delete Printer" on page 52

Using the Maintenance Tool (Mac OS X)

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 (Mac OS X 10.6.x/10.7.x/10.8.x/10.9.x/10.10.x)

1 Select **System Preferences** > **Print & Scan** (or **Print & Fax**) from the **Apple** menu.

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

Starting (for Mac OS X 10.5.8)

1 Select **System Preferences** > **Print & Fax** from the **Apple** menu.

2 Select the printer and click **Open Print Queue** >**Utility**.

Maintenance Tool screen
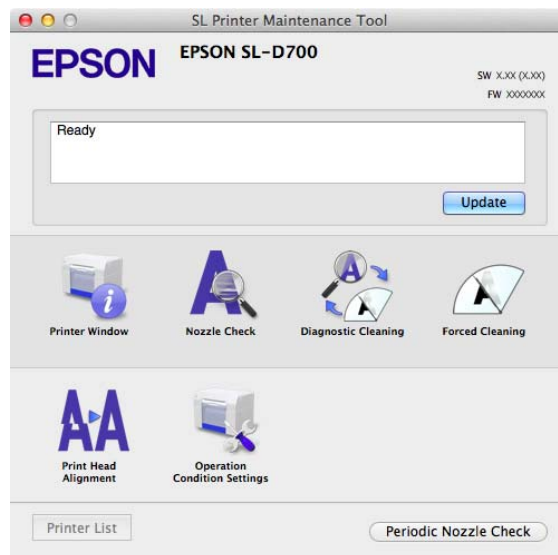
Using the Maintenance Tool (Mac OS X)

Note:
*When errors occur in the printer while printing, click **Printer Window** on the main screen and check the content of the error and solutions.*

*Click **Cancel** on the error screen to return to the main screen.*
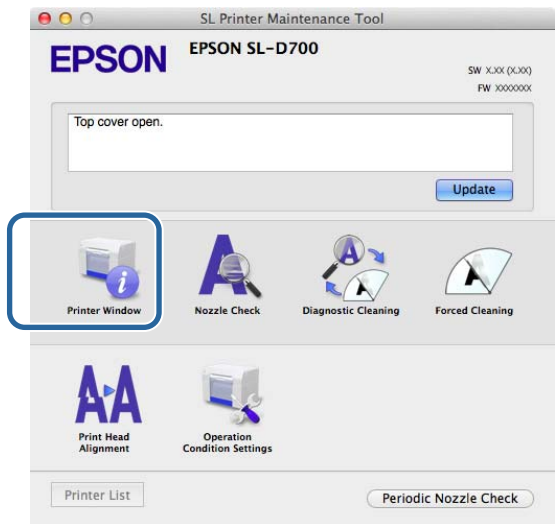
Closing
Click the red Close button (X) at the top-left of the screen.
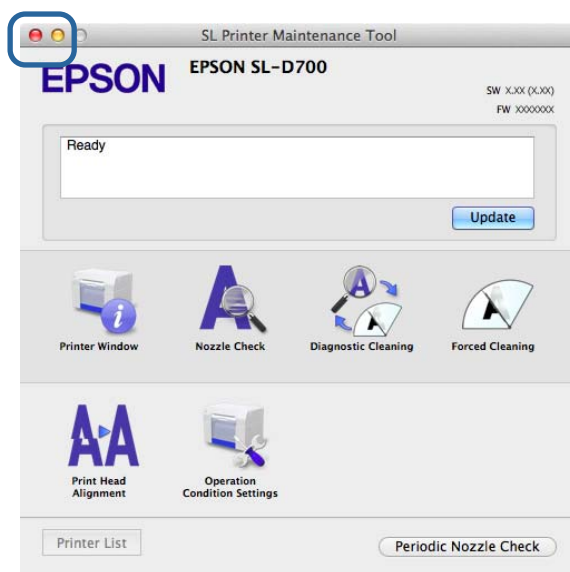
Using the Maintenance Tool (Mac OS X)

List of functions

Main Screen Functions	Setting Item	Settings
Message	-	Displays the printer's status. Click **Update** to update to the latest status.
Printer Window	-	Allows you to check the amount of ink remaining, the free space in the maintenance cartridge, and so on. U "Printer Window" on page 66
Nozzle Check	-	Allows you to print a check pattern and visually check for clogged nozzles. U "Nozzle Check" on page 69
Diagnostic Cleaning	-	Detects clogged nozzles and automatically performs cleaning. U "Diagnostic Cleaning" on page 71
Forced Cleaning	-	Performs manual cleaning. U "Forced Cleaning" on page 72
Print Head Alignment	-	Corrects the print misalignment. U "Print Head Alignment" on page 74
Operation Condition Settings	Time Before Switching to Sleep Mode	Set the time before switching to sleep mode. U "Time Before Switching to Sleep Mode" on page 77
	Warning Buzzer	Set whether or not to use the warning buzzer. U "Warning Buzzer" on page 78
	Paper Settings	Set the paper information. U "Paper Settings" on page 79
Printer List	-	Displays a list of available printers allowing you to select the printer you want to configure.
Periodic Nozzle Check	-	Set whether or not to automatically perform a nozzle check. U "Periodic Nozzle Check" on page 81

Printer Window

Click **Printer Window** on the main screen.
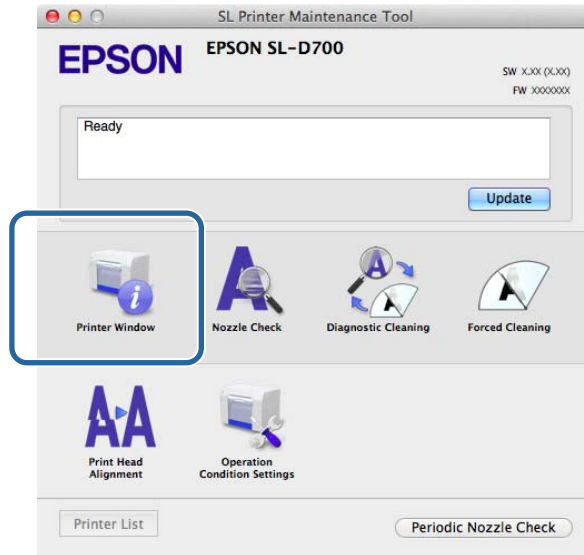
Allows you to check the printer's status such as the amount of ink remaining, the free space in the maintenance cartridge, and information on the paper loaded in the printer and so on from your computer.
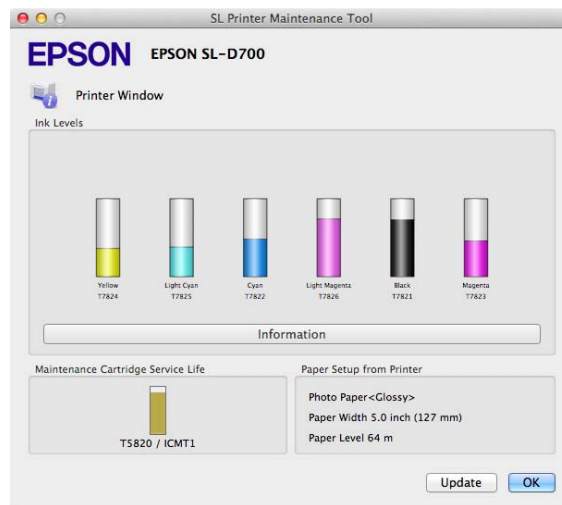
Click **Update** to update to the latest status.

Adjusting the Print Head
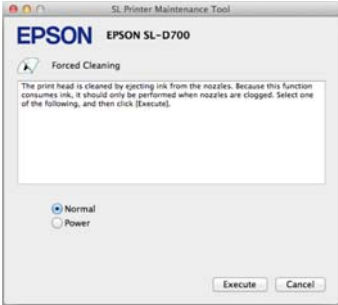
Performing Head Maintenance

Nozzle Check, **Diagnostic Cleaning**, and **Forced Cleaning** are head maintenance functions that check for clogging in the print head and clear clogging if it is detected.

If nozzles are clogged, lines appear in the print outs, and colors are not printed correctly. If this occurs, use the head maintenance functions as described on the following pages.

Make sure the printer's ⏻ light is on before performing **Head Maintenance**.

The following three functions are available for **Head Maintenance**.

Nozzle Check	Checks for clogged nozzles.	
Diagnostic Cleaning	Detects clogged nozzles and automatically performs head cleaning.	
Forced Cleaning	Perform head cleaning manually.	

Using the Maintenance Tool (Mac OS X)

❶	**Abnormalities appear in the print outs such as lines, or colors are not printed correctly.**
	<Print example>

❷	Execute **Diagnostic Cleaning**.	
	When "Diagnostic cleaning completed." is displayed on the screen	When "Diagnostic cleaning is finished. Clogged nozzles detected. Perform diagnostic cleaning again. If the clogging is not cleared even after repeating diagnostic cleaning three times, execute [Power] from [Forced Cleaning]." is displayed on the screen
	-> Operations are complete.	-> Execute **Diagnostic Cleaning** again.
		If nozzles are still clogged after repeating this three times, go to the next step.

❸	Execute **Power** from **Forced Cleaning**, and then check **Print Check Pattern**.	
	When there are no problems in the check pattern print results	When there are problems in the check pattern print results
	-> Operations are complete.	-> Contact service support.

Nozzle Check

The **Nozzle Check** function checks for clogged nozzles in the print head. Print a check pattern and visually check for clogged nozzles.

After the nozzle check, execute **Forced Cleaning** if necessary.

1 Click **Nozzle Check** on the main screen.
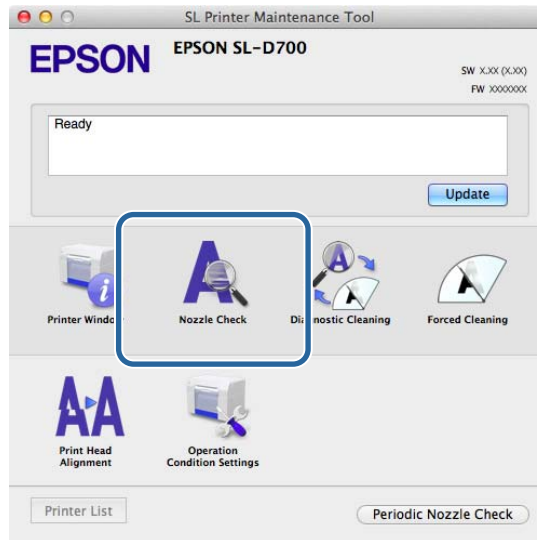
The **Nozzle Check** screen is displayed.

2 Click **Execute**.
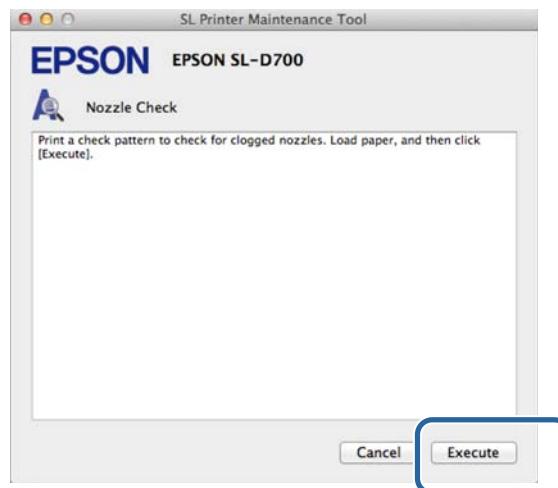
The check pattern is printed.

3 Check the print results.

Good example

Using the Maintenance Tool (Mac OS X)

There are no gaps in the check pattern. There are no clogged nozzles.
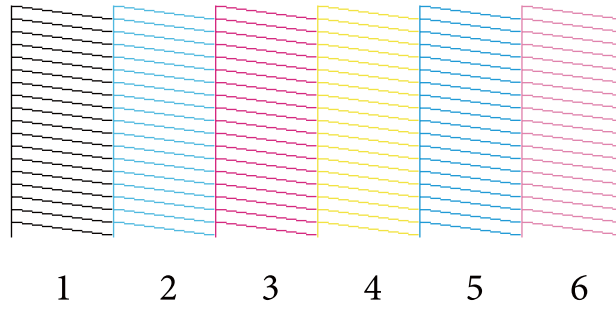
Bad example

There are gaps in the check pattern. Clogged nozzles detected. Perform cleaning.
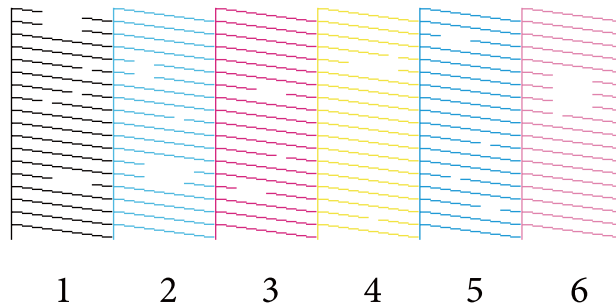
If there are gaps in the check pattern, you need to perform head cleaning.

U "Forced Cleaning" on page 72

Using the Maintenance Tool (Mac OS X)

Diagnostic Cleaning

1	Click **Diagnostic Cleaning** on the main screen.
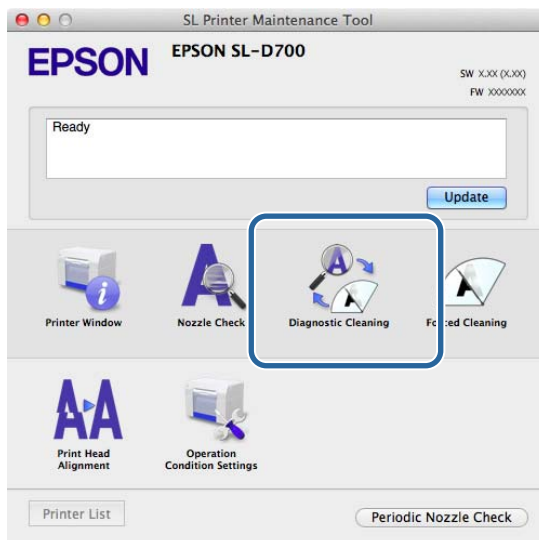
The **Diagnostic Cleaning** screen is displayed.

2	Click **Execute**.
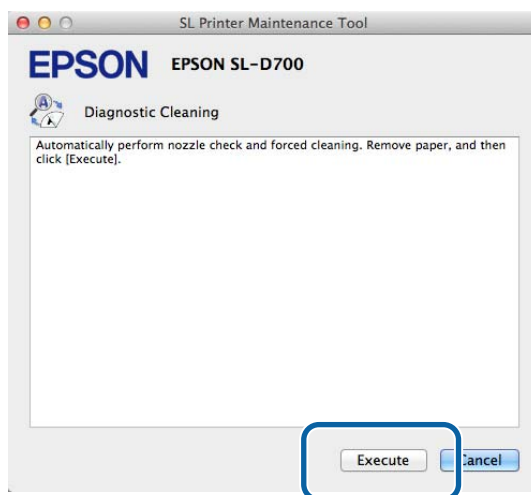
The nozzle check starts, and cleaning is performed if necessary.

This may take some time depending on the condition of the nozzles.

3	Check the message on the screen for the Diagnostic Cleaning results.

When "Diagnostic cleaning completed." is displayed, the procedure is complete.

When "Diagnostic cleaning is finished. Clogged nozzles detected. Perform diagnostic cleaning again. If the clogged nozzles are not cleared after performing diagnostic cleaning three times, perform [Forced Cleaning] set to [Power]." is displayed, execute **Diagnostic Cleaning** again.

<div align="center">**Using the Maintenance Tool (Mac OS X)**</div>

If nozzles are still clogged after repeating **Diagnostic Cleaning** three times, execute **Power** from Forced Cleaning. If nozzles are still clogged after executing **Power** cleaning, contact service support.

Forced Cleaning

1	Click **Forced Cleaning** on the main screen.
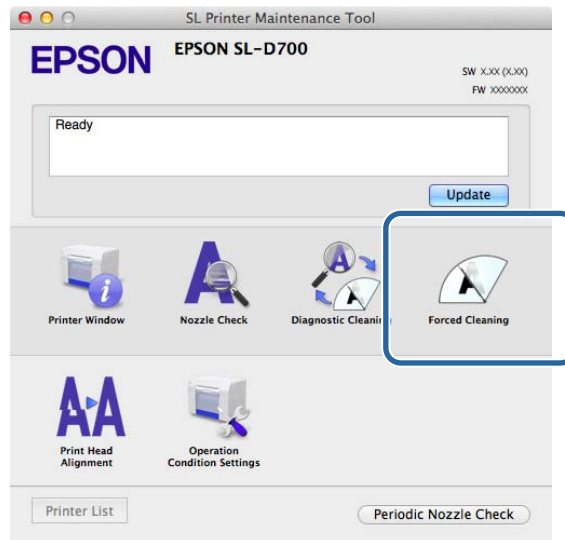
The **Forced Cleaning** screen is displayed.

2	Select the cleaning level.
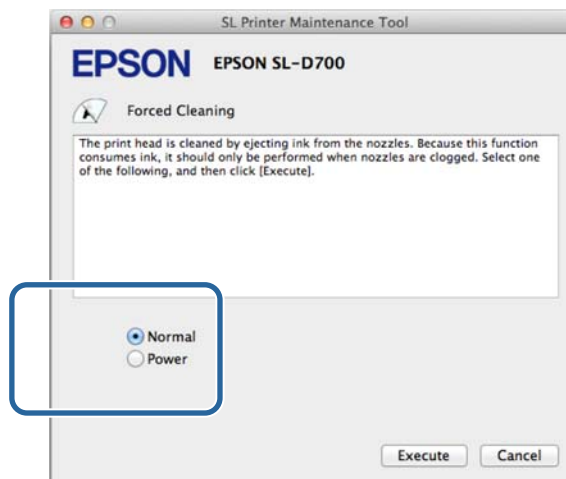
Item	Explanation
Normal	Cleans the surface of the head and clears clogged nozzles.

<div align="center">72</div>

Using the Maintenance Tool (Mac OS X)

Item	Explanation
Power	Performs a stronger cleaning than **Normal**. Use this if nozzles are still clogged even after executing **Normal** cleaning several times. **Power** cleaning uses more ink than **Normal** cleaning. If a message is displayed informing you that ink is running low, replace the ink cartridge, and then perform cleaning.

3 Click **Execute**.
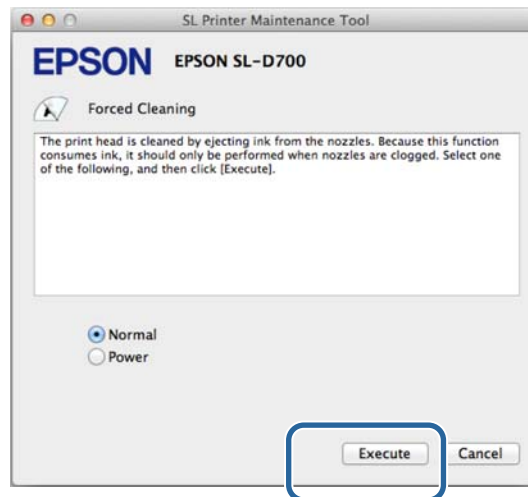
Cleaning is executed.

This may take some time depending on the cleaning level.

4 Check the results of the head cleaning.

Use **Nozzle Check** to check the status of the nozzles.

If the nozzles are clogged, display the screen from step 2 and perform Normal cleaning. If nozzles are still clogged after repeating Normal several times, execute Power cleaning.

If nozzles are still clogged after executing Power cleaning, contact service support.

Print Head Alignment

If print quality declines due to prints appearing grainy or out of focus, perform Print Head Alignment. The Print Head Alignment function corrects print misalignments and paper feed amount.

1 Click **Print Head Alignment** on the main screen.
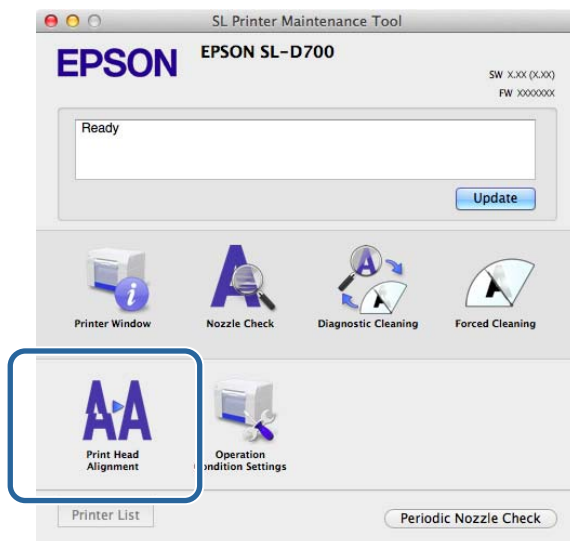
The **Print Head Alignment** screen is displayed.

2 Check that the paper type displayed matches the paper type for this printer, and then click **Print**.

If the paper type does not match, set the correct paper type in Paper Settings.

To adjust paper feeding without performing Print Head Alignment, click **Skip** go to step 5.
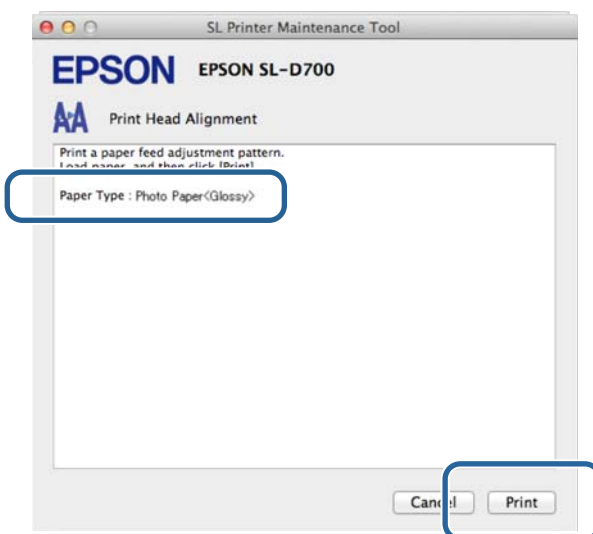
An adjustment pattern is printed.

Using the Maintenance Tool (Mac OS X)

3 Check the print results.

Check the number of the pattern with the fewest gaps between nozzles.

| -6 | -4 | -2 | 0 | 2 | 4 | 6 |
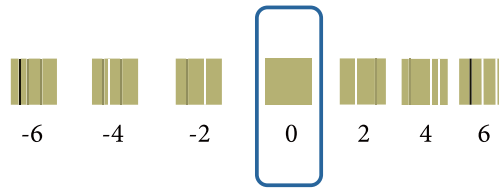
4 Select the pattern number, and then click **Set**.
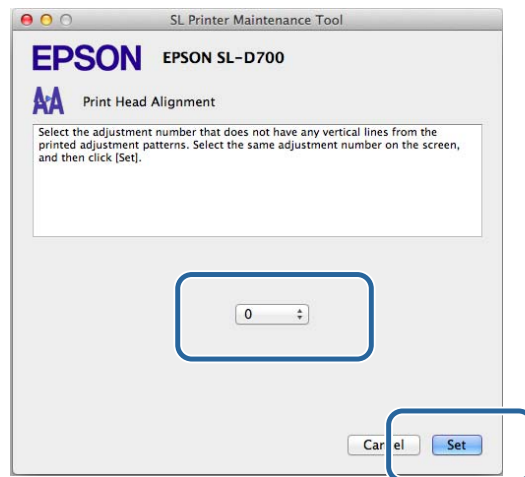
The adjustment values are applied.

Next, the **Paper Feed Adjustment** screen is displayed.

5 Check that the printer's paper type and paper width match the paper type and paper width displayed, and then click **Print**.

If the paper type does not match, set the correct paper type in Paper Settings.
U "Paper Settings" on page 79
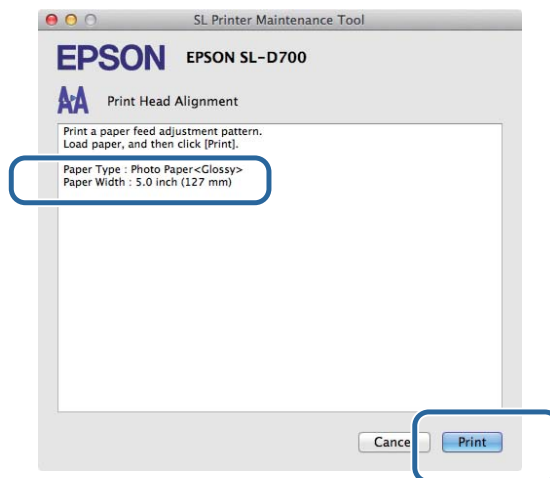
An adjustment pattern is printed.

Using the Maintenance Tool (Mac OS X)

6 Check the print results.
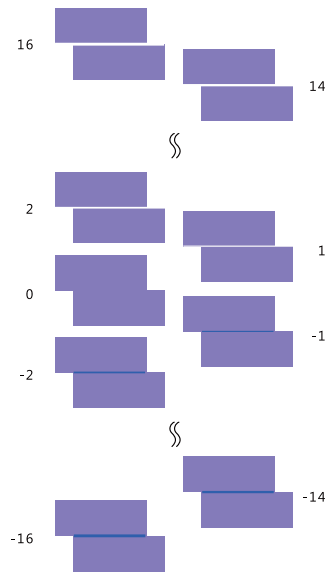
Check the number of the pattern with the fewest line.

Refer to the following illustration and select an adjustment pattern without line.

| NG | OK | NG |
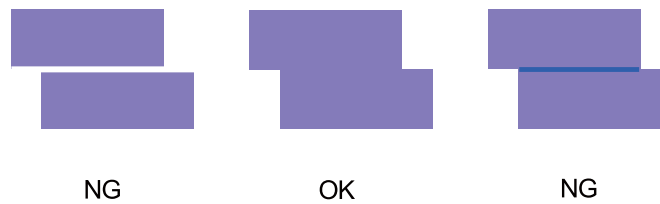
If there are no good patterns among the printed patterns, enter the number for a pattern that is nearly ok, and then reprint the adjustment pattern.

7 Select the pattern number, and then click **Set**.
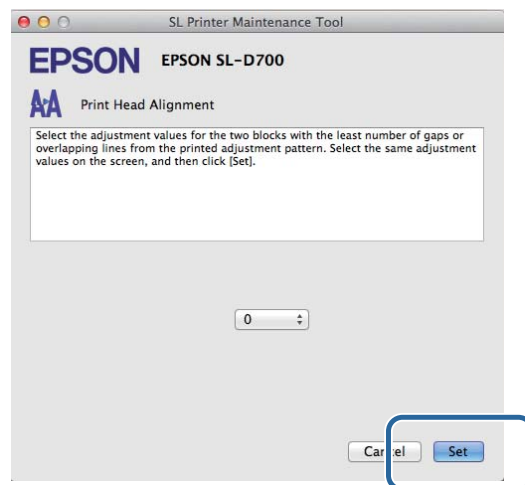
The adjustment values are applied.

Operation Condition Settings

In **Operation Condition Settings** you can perform various printer settings such as **Time Before Switching to Sleep Mode**, **Warning Buzzer**, and **Paper Settings**.
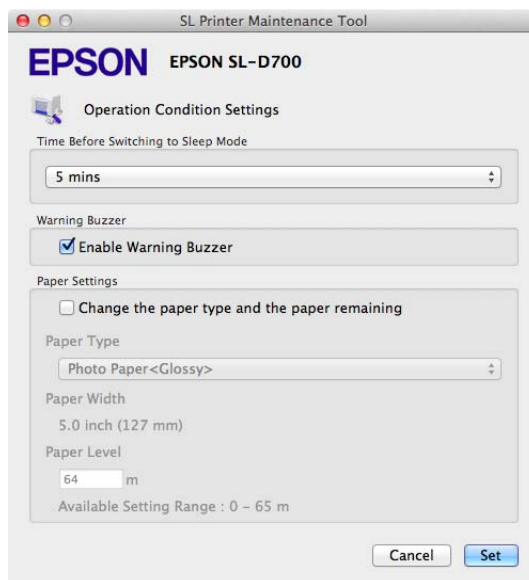
Time Before Switching to Sleep Mode

Set the time before switching to Sleep Mode.

The printer automatically switches to Sleep Mode when a print job has not been received for a while and no errors have occurred.

1 Click **Operation Condition Settings** on the main screen.
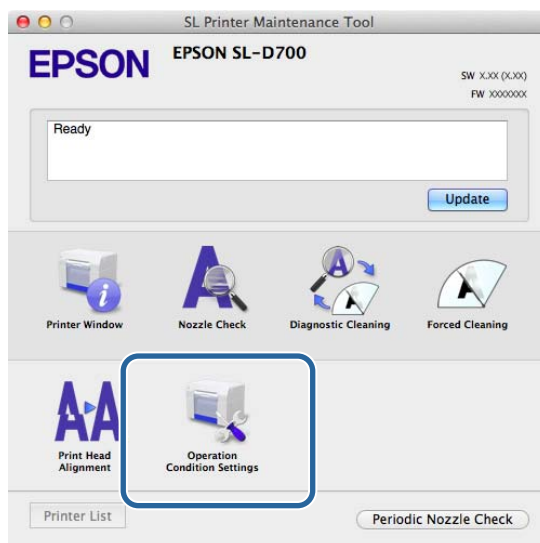
The **Operation Condition Settings** screen is displayed.

Using the Maintenance Tool (Mac OS X)

2 Select **Time Before Switching to Sleep Mode**, and then click **Set**.

When the set time has passed, the printer switches to Sleep Mode.

Settings: Soon, 5 mins., 10 mins., 15 mins., 30 mins., 1 hour, 2 hours
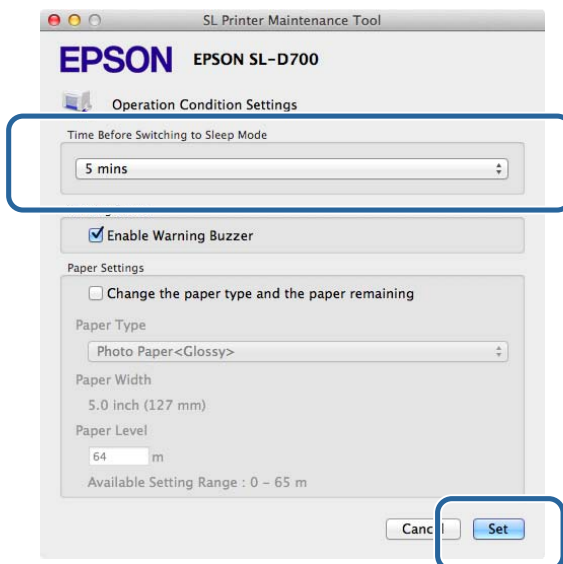
> *Note:*
> *After printing is complete, it takes about five minutes to prepare to switch to Sleep Mode. Therefore the time before switching to Sleep Mode is approximately five minutes longer than the set value.*

Warning Buzzer

Set whether or not to use the warning buzzer.

1 Click **Operation Condition Settings** on the main screen.
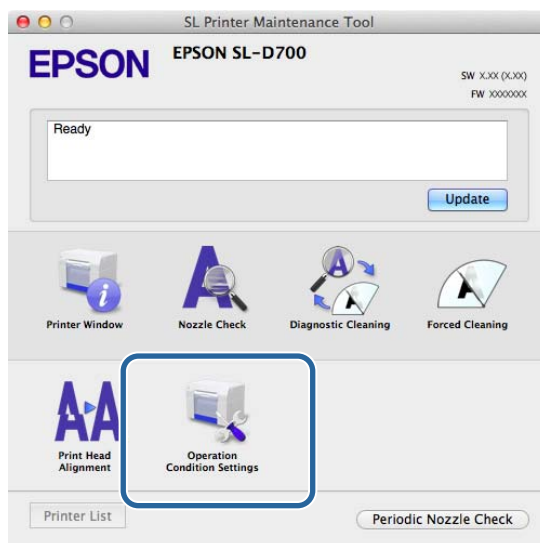
The **Operation Condition Settings** screen is displayed.

2 Select **Enable Warning Buzzer**, and then click **Set**.

Select to enable the warning buzzer.

Clear to disable the warning buzzer.
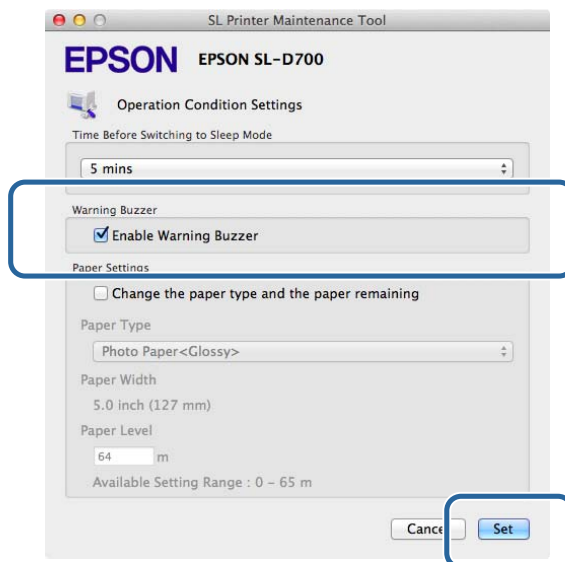
Paper Settings

In **Paper Settings**, you can set the **Paper Type** and **Paper Level**.

Set these after replacing the paper.

1 Click **Operation Condition Settings** on the main screen.
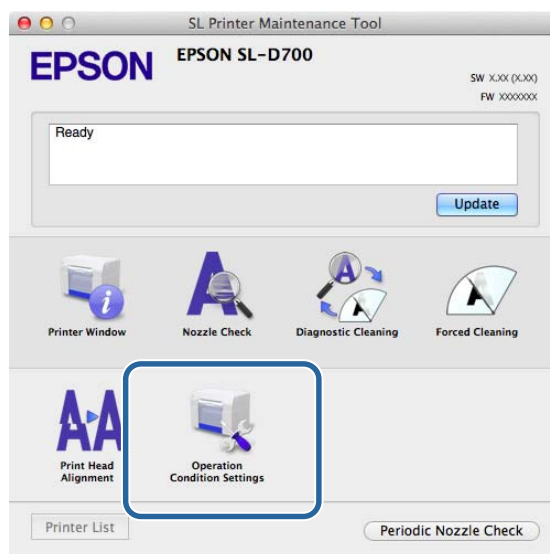
The **Operation Condition Settings** screen is displayed.

Using the Maintenance Tool (Mac OS X)

2 Select **Change the paper type and the paper remaining**.

When this is selected, you can change the **Paper Type** and **Paper Level**.
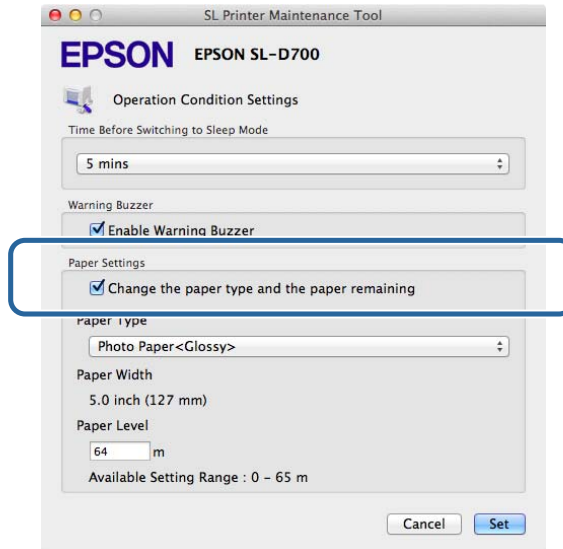
3 Set the **Paper Type** and the **Paper Level**, and then click **Set**.

Paper Width shows the paper width currently set.
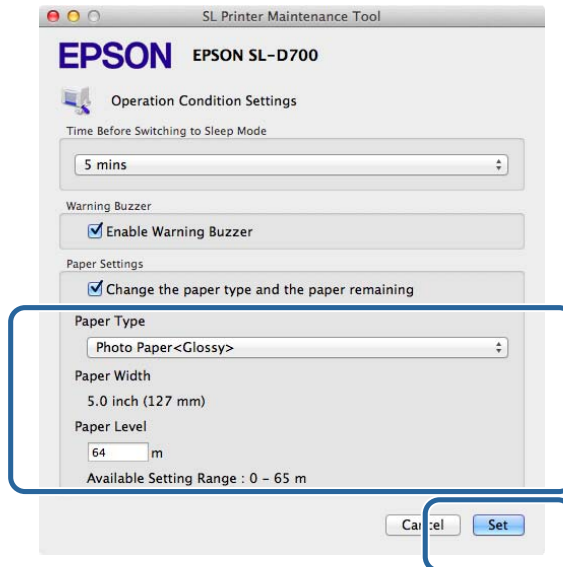
Periodic Nozzle Check

Set whether or not to automatically perform a Nozzle Check.

This should normally be enabled. Only disable this function if you are instructed to do so by a service engineer. If this is disabled, it is necessary to check the clogging status manually.

1 Click **Periodic Nozzle Check** on the main screen.
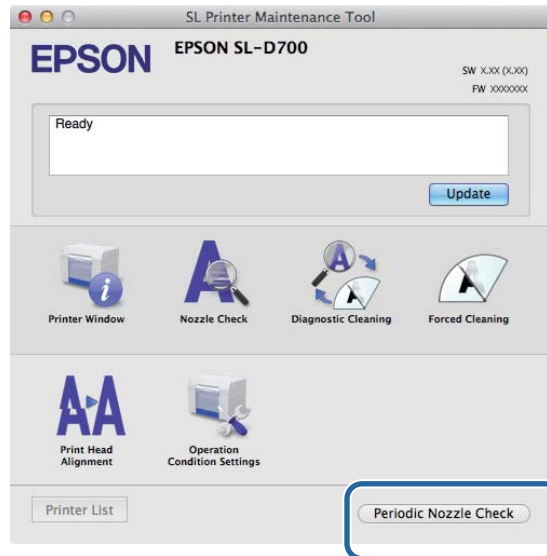
The **Periodic Nozzle Check** screen is displayed.

2 Select **Enable Periodic Check**, and then click **Set**.

When this is selected, a Nozzle Check is automatically performed at periodic intervals.

When this is cleared, a Nozzle Check is not automatically performed. Also, you cannot execute Diagnostic Cleaning.
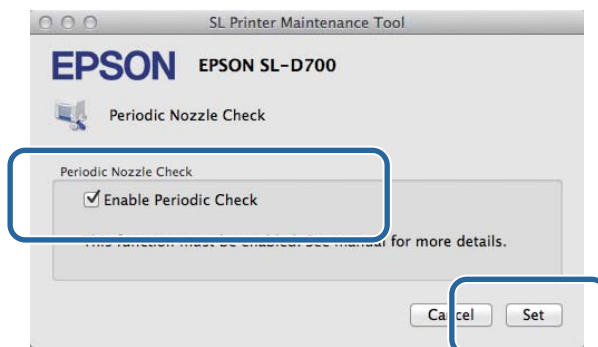
Using the Maintenance Tool (Mac OS X)

Adding a Printer/Updating Paper Information

You need to install the printer driver when performing the following operations.

❏ Adding a printer

❏ Updating paper information (Registering information for a paper type file to the printer)

1 Turn off the printer and then connect the printer to a computer with a USB cable.

2 Insert the software disc, and then double-click SL Printer Setup.dmg in the **SystemApplication** - **Mac OS X** folder.

3 When the screen is displayed, double-click **SL Printer Setup.app**.

4 Follow the on-screen instructions to install.

When the following screen is displayed, click **Update the paper information** - **Select**, and then select the paper type file.
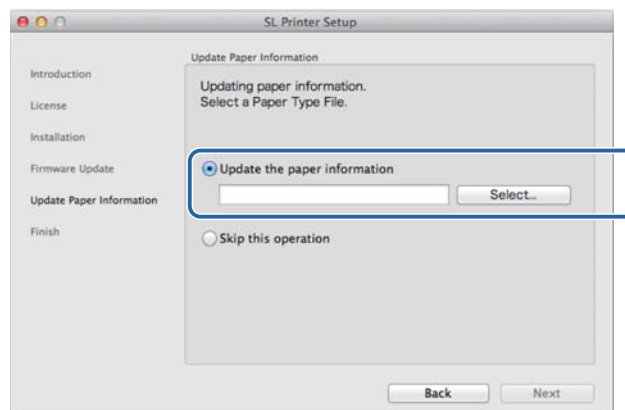
Using the Maintenance Tool (Mac OS X)

> *Note:*
> *Contact your local dealer for information on acquiring paper type files.*

Troubleshooting

About error messages

When errors occur in the printer while printing, you can check the content of the error and solutions with the Maintenance Tool.

1 When an error occurs, click **Printer Window** on the main screen.
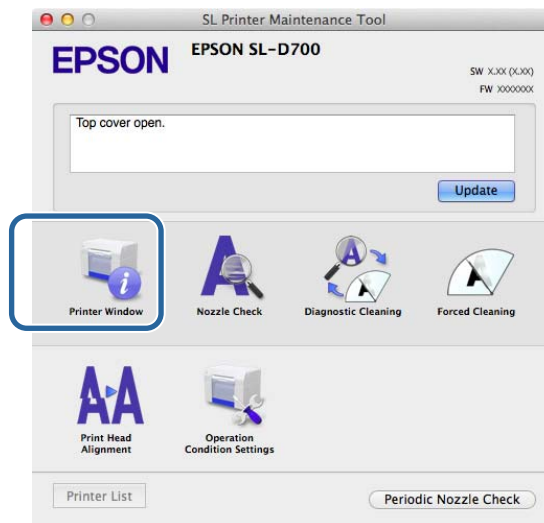
2 Check the solution on the screen and take the required action.
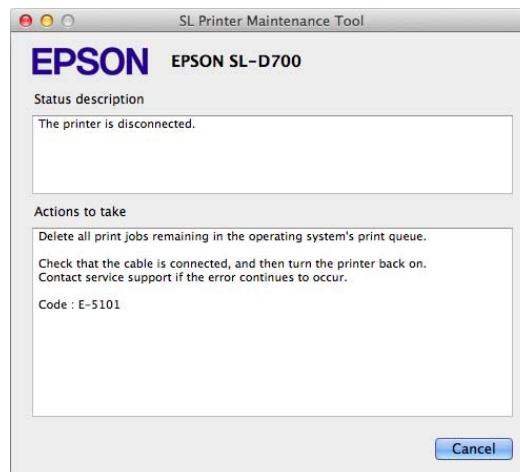
> *Note:*
> ❏ *See the "Operation Guide" for a list of error messages and solutions.*
>
>   ☞ *"Operation Guide" - "Errors and Solutions"*
>
> ❏ *Click **Cancel** on the error screen to return to the main screen.*

Appendix

OPEN SOURCE SOFTWARE LICENSE TERMS

This printer product includes open source software programs. The list of open source software programs is as follows:

GNU LGPL
This printer product includes the open source software programs which apply the GNU Lesser General Public License Version 2 or later version ("LGPL Programs").
We provide the source code of the LGPL Programs until seven (7) years after the discontinuation of same model of this printer product. If you desire to receive the source code of the LGPL Programs, please see the "Contacting Customer Support" in Appendix or Printing Guide of this User's Guide, and contact the customer support of your region.

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The list of LGPL Programs is as follows and the names of author are described in the source code of the LGPL Programs.

LGPL Programs
7za.exe 9.14

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Version 2.1, February 1999

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