

Epson Stylus® **Pro 9890**

Epson Stylus® **Pro 9908**

Epson Stylus® **Pro 7890**

Epson Stylus® **Pro 7908**

User's Guide

Copyrights and Trademarks

Copyrights and Trademarks

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation. The information contained herein is designed only for use with this Epson printer. Epson is not responsible for any use of this information as applied to other printers.

Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.

Seiko Epson Corporation shall not be liable for any damages or problems arising from the use of any options or any consumable products other than those designated as Original Epson Products or Epson Approved Products by Seiko Epson Corporation.

Seiko Epson Corporation shall not be held liable for any damage resulting from electromagnetic interference that occurs from the use of any interface cables other than those designated as Epson Approved Products by Seiko Epson Corporation.

EPSON[®], EPSON STYLUS[®], Epson UltraChrome[®] and SpectroProofer[®] are registered trademarks, and EPSON EXCEED YOUR VISION or EXCEED YOUR VISION is a trademark of Seiko Epson Corporation.

Microsoft[®], Windows[®], and Windows Vista[®] are registered trademarks of Microsoft Corporation.

Apple[®], Macintosh[®], and Mac OS[®] are registered trademarks of Apple Inc.

Intel[®] is a registered trademark of Intel Corporation.

PowerPC[®] is a registered trademark of International Business Machines Corporation.

Adobe[®], Photoshop[®], Elements[®], Lightroom[®], and Adobe[®] RGB are registered trademarks of Adobe Systems Incorporated.

General Notice: Other product names used herein are for identification purposes only and may be trademarks of their respective owners. Epson disclaims any and all rights in those marks.

© 2010 Seiko Epson Corporation. All rights reserved.

Contents

Copyrights and Trademarks

Safety Instructions

Important Safety Instructions	6
Warning, Cautions, and Notes	6
When choosing a place for this product	6
When setting up this product	6
When using this product	7
When handling the ink cartridges	8
When transporting this product	8

Introduction

Features	9
Printer Parts	11
Front section	11
Rear section	11

The Control Panel

Buttons, Lights, and Messages	12
Buttons	12
Lights	13
Display	14
Menu Mode	16
Using the Menu mode	16
Menu list	19
Details of Menu mode	21
Maintenance Mode	30
Maintenance mode list	30

Paper Handling

Supported Media	31
Roll paper	31
Cut sheet	31
Using Roll Paper	32
Loading roll paper	32
Cutting the roll paper	36
Removing the roll paper	37
Using Cut Sheet Media	39
Loading cut sheet smaller than A3 size	39
Loading cut sheet A3 size or larger / thick paper	40
Ejecting Paper	42

For roll paper	42
For cut sheet media	42
Using the paper basket and paper guides	43
Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)	47
Printable area	53

Basic Settings

Print Settings	55
Printing procedures (Windows)	55
Printing procedures (Mac OS X)	56
Checking the printer status	59
When problem occurs during printing	59
Canceling Printing	60
Canceling printing using the computer (Windows)	60
Canceling printing using the computer (Mac OS X)	61
Canceling printing using the printer	61
Changing the Black Ink	61

Options and Consumable Products

Maintenance

Daily Maintenance	65
Instructions for placing the printer	65
Notes for when you are not using the printer	65
Instructions for using paper	65
Replacing Ink Cartridges	67
When ink needs to be replaced/ When ink gets low	67
Confirming the ink cartridge remaining	67
About ink cartridges	69
Replacing ink cartridges	70
Replacing the Maintenance Tank	72
Confirming the free space of the maintenance tank	72
Replacing the maintenance tank	72
Replacing the Cutter	73
Adjusting the Print Head	76
Nozzle check	77
Head cleaning	79
Power cleaning	81
Automatic maintenance function	82

Print head alignment	83
Cleaning the Printer	85
Cleaning outside of the printer	85
Cleaning inside of the printer	86
Keeping the Printer	87
If you do not use your printer for a long time	87
If you have not used your printer for more than six months	88
Protecting the print head	88
Transporting the Printer	88
Repacking the printer	88
Transporting the printer	89
Setting up the printer after transporting	89

Problem Solver

Error Messages on the LCD Panel	90
Error messages	90
When the maintenance request occurs	99
When the call for service occurs	99
Troubleshooting	100
You cannot print (because the printer does not work)	100
The printer sounds like it is printing, but nothing prints	103
The prints are not what you expected	104
Feeding or ejecting troubles	108
Other troubles	111

Using the Printer Driver (Windows)

Displaying the Settings Screen	112
From the Printer icon	112
Displaying Help	113
Click the Help Button to Display	113
Right-click on the item you want to check and display	113
Customizing the Printer Driver	114
Saving various settings as your Select Settings	114
Saving media settings	114
Rearranging display items	115
Summary of the Utility Tab	116
Uninstalling the printer driver	117

Using the Printer Driver (Mac OS X)

Displaying the Settings Screen	119
Displaying Help	119

Using Epson Printer Utility 4	119
Starting Epson Printer Utility 4	119
Epson Printer Utility 4 Functions	119
Uninstalling the printer driver	120
Removing EPSON LFP Remote Panel 2	121

Printing Varieties

Auto Correct Color and Print Photos (PhotoEnhance)	122
Correct color and print	123
Printing Black and White Photos	127
Borderless printing	130
Types of Borderless Printing Methods	130
Supported Media Sizes for Borderless Printing	131
About Roll Paper Cutting	132
Setting Procedures for Printing	133
Enlarged/Reduced Printing	135
Fit to Page/Scale to fit paper size	136
Fit to Roll Paper Width (Windows only)	137
Custom Scale Setting	137
Multi-Page Printing	139
Poster Printing (Enlarge to cover several sheets and print - Windows only)	140
Setting Procedures for Printing	141
Joining the output paper together	142
Printing on custom paper	145
Banner printing (on roll paper)	147
Layout Manager (Windows only)	150
Setting Procedures for Printing	151
Saving and Calling Layout Manager Settings	152

Color Management Printing

About Color Management	153
Color Management Print Settings	153
Setting profiles	154
Setting color management with the application	154
Setting color management with the printer driver	155
Color management printing by Host ICM (Windows)	155
Color management printing by ColorSync (Mac OS X)	156
Color management printing by Driver ICM (Windows only)	158

Paper Information

Paper Information	160
Roll paper	161
Cut sheet	168

Where To Get Help

Technical Support Web Site	171
Contacting Epson Support	171
Before Contacting Epson	171
Help for Users in North America	172
Help for Users in Europe	172
Help for Users in Taiwan	172
Help for Users in Australia	173
Help for Users in Singapore	173
Help for Users in Thailand	174
Help for Users in Vietnam	174
Help for Users in Indonesia	174
Help for Users in Hong Kong	174
Help for Users in Malaysia	175
Help for Users in India	175
Help for Users in the Philippines	176

Product Information

System Requirements for the Printer Driver	177
System requirements	177
Printer Specifications	177
Printing	177
Electrical	178
Ink cartridges	179
Environmental	180
Standards and Approvals	180
Interface	181

Software License Terms

Open Source Software Licenses	182
Bonjour	182
Other Software Licenses	188
Info-ZIP copyright and license	188

Safety Instructions

Safety Instructions

Important Safety Instructions

Read all of these instructions before using the printer. Also be sure to follow all warnings and instructions marked on the printer.

Warning, Cautions, and Notes

**Warning:**

must be followed carefully to avoid bodily injury.

**Caution:**

must be observed to avoid damage to your equipment.

Note:

contain important information and useful tips on the operation of this printer.

When choosing a place for this product

- Place this product on a flat, stable surface that is larger than this product. This product will not operate properly if it is tilted or at an angle.
- Avoid places subject to rapid changes in temperature and humidity. Also keep it away from direct sunlight, strong light, or heat sources.
- Avoid places subject to shocks and vibrations.
- Keep this product away from dusty areas.
- Place this product near a wall outlet where the plug can be easily unplugged.

When setting up this product

- Do not block or cover the openings in this product's cabinet.
- Do not insert objects through the slots. Take care not to spill liquid on this product.
- This product's power cord is for use with this product only. Use with other equipment may result in fire or electric shock.
- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- Avoid electrical outlets controlled by wall switches or automatic timers.
- Keep the entire computer system away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.
- Use only the type of power source indicated on the product's label.
- Use only the power cord that comes with this product. Use of another cord may result in fire or electric shock.
- Do not use a damaged or frayed power cord.

Safety Instructions

- ❑ If you use an extension cord with this product, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- ❑ Do not attempt to service this product yourself.
- ❑ Unplug this product and refer servicing to qualified service personnel under the following conditions:

The power cord or plug is damaged; liquid has entered the product; the product has been dropped or the cabinet damaged; the product does not operate normally or exhibits a distinct change in performance.

- ❑ If you plan to use the printer in Germany, observe the following:

To provide adequate short-circuit protection and over-current protection for this printer, the building installation must be protected by a 10 or 16 amp circuit breaker.

- ❑ If damage occurs to the plug, replace the cord set or consult a qualified electrician. If there are fuses in the plug, make sure you replace them with fuses of the correct size and rating.

When using this product

- ❑ Do not put your hand inside this product or touch the ink cartridges during printing.
- ❑ Do not move the print heads by hand; otherwise you may damage this product.
- ❑ Always turn the product off using the **Power** button on the control panel. When this button is pressed, the **Power** light flashes briefly then goes off. Do not unplug the power cord or turn off the product until the **Power** light stops flashing.

When handling the ink cartridges

- Keep ink cartridges out of the reach of children and do not drink.
- If ink gets on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Before installing the new ink cartridge in the printer, shake it back and forth horizontally in five centimeter movements about 15 times within five seconds.
- Use the ink cartridge before the date printed on its package.
- Use up the ink cartridge within six months of installation for best results.
- Do not dismantle the ink cartridges or try to refill them. This could damage the print head.
- Do not touch the green IC chip on the side of the cartridge. This may affect normal operation and printing.
- The IC chip on this ink cartridge retains a variety of cartridge related-information, such as the ink cartridge status, so that the cartridge may be removed and reinserted freely. However, each time the cartridge is inserted, some ink is consumed because the printer automatically performs a reliability check.
- If you remove an ink cartridge for later use, protect the ink supply area from dirt and dust, and store it in the same environment as this product. Note that there is a valve in the ink supply port, making covers or plugs unnecessary, but care is needed to prevent the ink from staining items that the cartridge touches. Do not touch the ink supply port or surrounding area.

When transporting this product

- Before transporting the printer, make sure the print heads are in the home (far right) position.

Introduction

Features

Epson Stylus Pro 9890/9908 and Epson Stylus Pro 7890/7908 are wide-format ink jet color printers supporting 44-inch and 24-inch paper respectively.

The features of this printer are described below.

Pigment inks have greater light fastness and resistance to ozone for reducing fading effect

This opens up the range of uses from printing photos to displays and banners for storefronts using long paper or posters normally subject to fading.

Reduced color difference in different light source conditions

Previously, coloring with light colors was used to achieve subtle tones. However, to minimize this and thereby reduce color differences in different light source conditions, Light Light Black ink is used instead. The color remains stable even under different light sources*, ensuring consistently high quality printing.

* These are measured results using A/F11 light sources against a D50 light source.

Printing monochrome photos

Using the three densities of black ink as the main inks adjusted with light coloring, you can achieve subtle black and white tones. Also, you can print monochrome photos with rich tones from color photo data using only the functions of the printer driver, without having to use an application.

☞ See “Printing Black and White Photos” on page 127

Support for a range of paper types

Epson offers a range of special media for ensuring high-quality printing. By selecting the right paper for the application, whether for indoor or outdoor use (lamination is recommended), you can express a whole new world of art. Also, the printer handles paper up to 1.5-mm thick and can also print on paperboard.

☞ See “Paper Information” on page 160

Spindleless simplifies the roll paper setting

Since the printer employs a spindleless mechanism, you do not have to set the roll paper to a spindle. This allows you to set the paper in a small space, as well. Tension adjustment is also adjusted automatically according to the media type. You can also set the tension on the LCD panel.

Stability of ink after printing

Since the color of the ink stabilizes soon after printing, the prints can be used in the prepress workflow and for color proof purposes.

Support two kind of black inks

Both Photo and Matte Black ink are installed in this printer. Photo Black ink can be used for all media types with professional quality results. Matte Black ink significantly increases black optical density when printing on matte and fine-art type papers. Switch the black ink on the printer's control panel according to the paper used.

Large-capacity (350 or 700 ml) ink cartridge

Epson provides large-capacity (350 or 700 ml) ink cartridges for this printer that realize the high productivity required for professional work.

Roll paper remaining

The remaining amount of the roll paper is displayed on the LCD panel. When you remove the roll paper, the barcode (including the paper type, the roll paper length, and the roll length alert value information) is printed on the roll paper edge. This will facilitate paper setting the next time the same paper is used.

High-speed USB / Ethernet

You can connect to a network using Hi-Speed USB or Ethernet.

Introduction

Borderless printing

Using Auto Expand or Retain Size, you can perform borderless printing.

☞ See “Borderless printing” on page 130

There is also a borderless poster printing function that allows you to make big posters by simply joining together a number of prints.

☞ See “Poster Printing (Enlarge to cover several sheets and print - Windows only)” on page 140

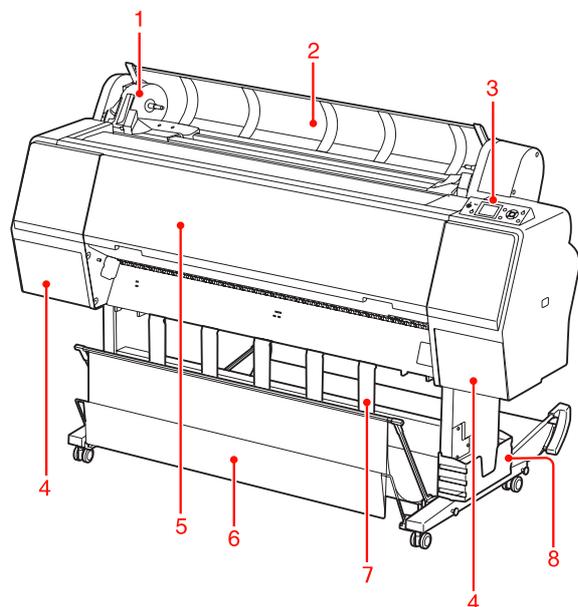
Automate the post-process by using Auto Take-up Reel Unit and SpectroProofer (optional)

By installing SpectroProofer, you can perform the color measurement operation using the print result done.

Auto Take-up Reel Unit winds the roll paper automatically. The Auto Take-up Reel Unit is optional with Epson Stylus Pro 9890/9908.

Printer Parts

Front section



1. Adapter holder

Fix the roll paper when setting the roll paper.

2. Roll paper cover

Open the roll paper cover when you set or remove the roll paper.

3. Control panel

The control panel consists of buttons, lights, and a liquid crystal display (LCD).

4. Ink cover (on both sides)

Open the ink cover when installing the ink cartridges. It slightly opens when you push the  button on the printer's control panel.

5. Front cover

Open the front cover when you remove jammed paper.

6. Paper basket

Receives the ejected paper.

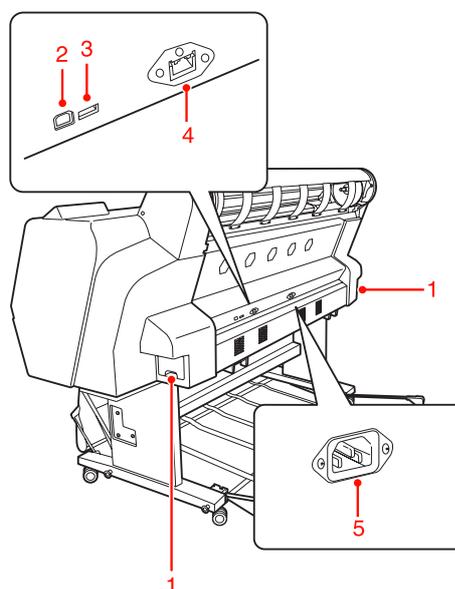
7. Paper guides

Use the paper guides to lead the paper for feeding forward or backward.

8. Manual box

Place the manual in here. You can set it either on the left or right side of the stand.

Rear section



1. Maintenance tanks (on both sides)

The tank where the waste ink goes into. There are two maintenance tanks on both sides of Epson Stylus Pro 9890/9908. There is one maintenance tank on the right side of Epson Stylus Pro 7890/7908.

2. USB interface connector

Connects the computer and printer with a USB interface cable.

3. Option interface connector

Connects the printer and options with a cable.

4. Network interface connector

Connects the printer to the network with a network interface cable.

5. AC inlet

Plug the power cord.

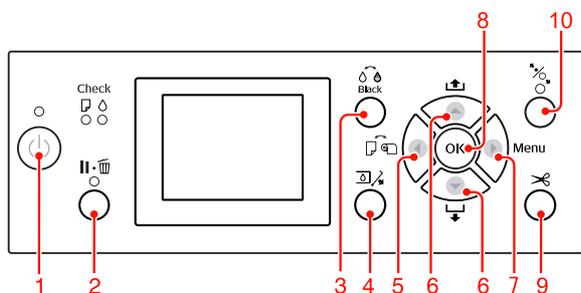
The Control Panel

The Control Panel

Buttons, Lights, and Messages

You can check the ink remaining and printer status on the control panel.

Buttons



1. Power button (⏻)

Turns the printer on or off.

2. Pause/Reset button (⏸ / 🗑️)

❑ The printer enters the PAUSE state when this button is pressed in the READY state. To cancel the pause, select PAUSE CANCEL on the LCD panel. When selecting JOB CANCEL, it functions as the Reset button. The printer stops printing and clears print data in the printer. After clearing the data, it may take a while to return to the READY state.

❑ The printer returns to the READY state when this button is pressed in the Menu mode.

❑ Clears errors if it is possible.
➤ See “Error messages” on page 90

3. Black Ink Change button (⚙️)

Switches the black ink types.

➤ See “Changing the Black Ink” on page 61

4. Ink Cover Open button (🔄)

Slightly opens the selected ink cover, choosing left or right side indicated on the display.

5. Paper Source button (◀)

❑ Selects a paper source and roll paper cut method. The icon changes by pressing this button. However, you cannot change the paper source icon to Sheet  when you set the paper while REMAINING PAPER SETUP is set to ON.

Icon	Explanation	
	Roll Auto Cut On	Prints on the roll paper. It cuts the roll paper automatically after printing each page.
	Roll Auto Cut Off	Prints on the roll paper. It does not cut the paper automatically after printing. You need to cut the paper with a cutter manually.
	Sheet	Prints on the sheet.

❑ Returns to the previous level when pressed in the Menu mode.

❑ When you print from the printer driver, the settings you make on the printer driver have priority over the settings you make on the printer's control panel.

6. Paper Feed button (▲ / ▼)

❑ Feeds the roll paper in the forward ▼ or reverse ▲ direction.
You can feed 3 m of paper in the forward ▼ direction with one press. If you want to feed the paper faster in the forward ▼ direction, press and hold it for 3 seconds. You can feed 20 cm of paper in the reverse ▲ direction with one press.

❑ If you press these buttons while the paper presser is released, you can adjust the paper suction in the paper feed path in 3 stages.
➤ See “Loading cut sheet A3 size or larger / thick paper” on page 40

❑ Press the ▼ button when setting a single cut sheet having a thickness under 0.5 mm, the printer starts paper feeding and then goes to the READY state.

❑ Feeds the sheet in the forward direction when you press the ▼ button.

❑ Changes the parameter in the forward ▼ or reverse ▲ order when selecting a desired parameter in the Menu mode.

The Control Panel

7. Menu button ()

- Enters the Menu mode when pressed in the READY state.
☞ See “Menu Mode” on page 16
- Enters the PRINTER STATUS menu if pressed during printing.
☞ See “PRINTER STATUS” on page 24
- When pressed in the Menu mode, a desired menu can be selected.

8. OK button (OK)

- Sets the selected parameter in the selected item in the Menu mode. Executes the item if the selected item is for execution only.
- The printer ejects the cut sheet by pressing this button after printing.
- Press this button during ink drying or color chart drying, the printer stops the operation.
- When you press this button while there is no paper in the printer, you can see the paper feeding procedures on the LCD panel.

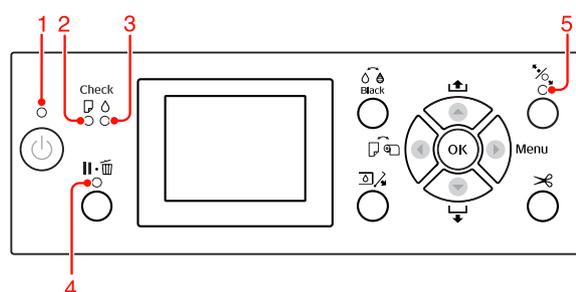
9. Paper Cut button ()

Cut the roll paper by the built-in cutter.

10. Paper Secure button ()

- This button locks or unlocks the paper presser. When you set the paper, press the button to unlock the paper presser first, and then set the paper. Press the button again so the printer starts feeding the paper and then goes to the READY state.
- When you press this button while REMAINING PAPER SETUP is ON, a barcode is printed on the roll paper edge and the paper presser is released.

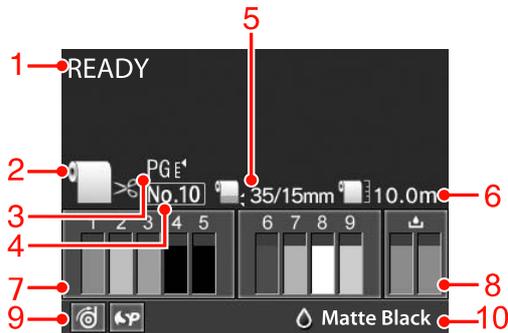
Lights



1	Power light	On	The printer is on.
		Flashing	The printer is receiving the data. The printer is in process of turning off.
		Off	The printer is off.
2	Paper Check light	On	No paper is loaded in the paper source. The paper setting is not correct.
		Flashing	Paper is jammed. Paper is not loaded straight.
		Off	The printer is ready to print data.
3	Ink Check light	On	The installed ink cartridge is expended. The ink cartridge is not installed. The wrong ink cartridge is installed.
		Flashing	The installed ink cartridge is nearly expended.
		Off	The printer is ready for print data.
4	Pause light	On	The printer is in the Menu mode or pause mode. The printer has an error.
		Off	The printer is ready to print data.
5	Paper Secure light	On	The paper presser is released.
		Off	The printer is ready to print data.

The Control Panel

Display



1. Messages

Displays the printer status, operation, and error messages.

☞ See “Error Messages on the LCD Panel” on page 90

☞ See “Details of Menu mode” on page 21

2. Paper Source icon

Displays the paper source and roll paper cut setting.

You can select the following paper source icons by pressing the ◀ button displayed on the LCD panel.

When you print from the printer driver, the settings you make on the printer driver have priority over the settings you make on the printer's control panel.

Icon	Explanation
	Prints on the roll paper. It cuts the roll paper automatically after printing each page. When using the optional Auto Take-up Reel Unit, set the Auto switch to Off; otherwise, the printer does not cut the paper.
	Prints on the roll paper. It does not cut automatically after printing.
	Prints on the sheet.

3. Platen Gap icon

Displays the Platen Gap setting.

☞ See “Menu list” on page 19

Icon	Explanation
None	STANDARD
	NARROW
	WIDE
	WIDER
	WIDEST

4. Paper Number

When you select paper number (1 to 10) for CUSTOM PAPER, the number you selected appears.

☞ See “Printing on custom paper” on page 145

5. Roll Paper Margin icon

Displays the paper margin icon with the margins you have selected for the ROLL PAPER MARGIN.

- 15mm: When TOP/BOTTOM 15mm is selected.
- 35/15mm: When TOP 35/BOTTOM 15mm is selected.
- 3mm: When 3mm is selected.
- 15mm: When 15mm is selected.
- Auto: When DEFAULT is selected.

☞ See “Menu list” on page 19

The Control Panel

6. Roll Paper Counter icon

Displays the remaining amount of roll paper.

When you make the following settings in ROLL PAPER REMAINING of the PAPER SETUP menu, the  icon and the remaining amount of roll paper is displayed.

- REMAINING PAPER SETUP is set to ON.
- The length of the roll paper is set for the ROLL PAPER LENGTH.
- The roll length alert value is set for the ROLL LENGTH ALERT.

☞ See "PAPER SETUP" on page 25

7. Ink cartridge status icon

Displays the remaining amount of ink in each cartridge.

- Ink cartridge

Number	Ink color
1	Cyan (C)
2	Yellow (Y)
3	Light Cyan (LC)
4	Matte Black (MK)
5	Photo Black (PK)
6	Vivid Magenta (VM)
7	Light Black (LK)
8	Light Light Black (LLK)
9	Vivid Light Magenta (VLM)

- Ink remaining

Icon	Description
	There is enough ink remaining.
	Prepare a new ink cartridge. (flashing) This icon indicates the yellow tank.
	The ink is expended so you cannot print. Replace the ink cartridge with a new one. (flashing) This icon indicates the yellow tank.
	Cartridge error or no cartridge. (flashing) This icon indicates the yellow tank.

8. Maintenance tank icon

The rightmost icons show the free space of the maintenance tanks. There are two maintenance icons for Epson Stylus Pro 9890/9908 and one for Epson Stylus Pro 7890/7908.

Icon	Description
	There is enough free space in the maintenance tanks.
	We recommend you prepare a new maintenance tank. (flashing)
	The maintenance tank is at the end of its service life. Replace the maintenance tank with a new one. (flashing)

The Control Panel

9. Option usage icon

Displays whether options are available to use or not.

Option	Icon	Description
Auto Take-up Reel Unit		Available
		Not available
	No icon	Not connected
SpectroPr oofer		Available
		Not available
	No icon	Not connected

10. Black Ink icon

Displays the black ink that is selected.

Menu Mode

The Menu mode enables you to make printer settings similar to those you would normally make in the driver or software, as well as other additional settings, directly through the control panel. The control panel shows the printer information, and operations such as nozzle check can be performed using the control panel.

Using the Menu mode

Note:

Press the  button whenever you want to exit the Menu mode and return to the READY state.

Press the  button to return to the previous step.

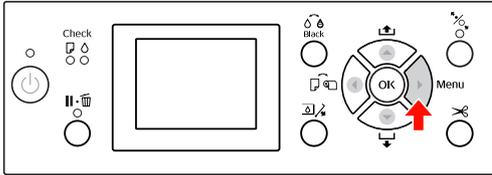
Follow the steps below to use the Menu mode.

The Control Panel

1. Select a menu.

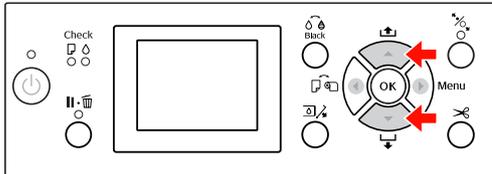
Example: Select **PRINTER SETUP**.

- 1 Press the **▶** button to enter the Menu mode.

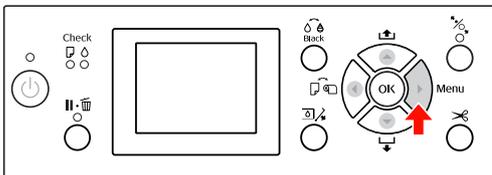


The first menu appears on the LCD panel.

- 2 Press the **▲ / ▼** button to select **PRINTER SETUP**.



- 3 Press the **▶** button to enter the **PRINTER SETUP** menu.

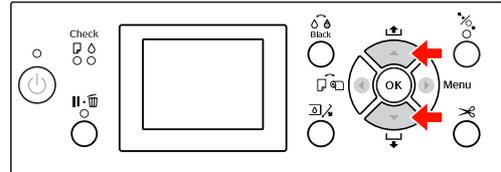


2. There are three cases depending on the items you have selected.

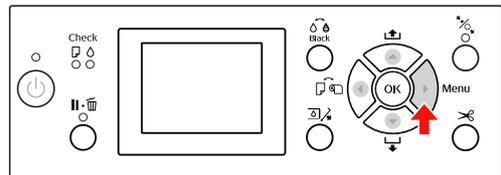
A. When you can select a parameter

Example: When selecting **PLATEN GAP** in the **PRINTER SETUP** menu

- 1 Press the **▲ / ▼** button to select **PLATEN GAP**.

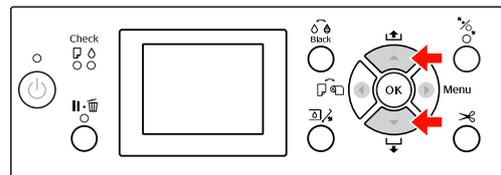


- 2 Press the **▶** button to enter the **PLATEN GAP** item.

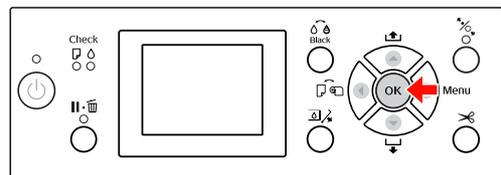


- 3 Press the **▲ / ▼** button to select a parameter for the item.

The current setting is marked with (✓).



- 4 Press the **OK** button to store the selected parameter.



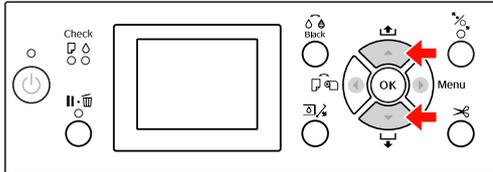
- 5 Press the **◀** button to return to the previous level, or press the **||·☐** button to exit the Menu mode.

The Control Panel

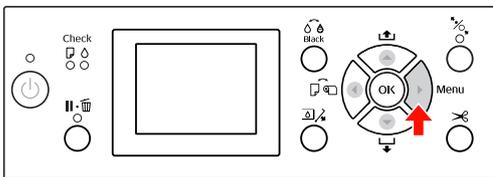
B. When you execute a function

Example: When selecting **NOZZLE CHECK** in the **TEST PRINT** menu

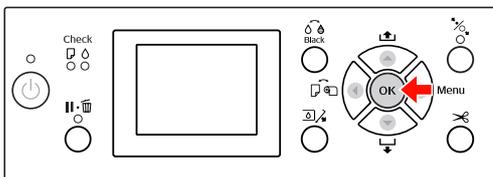
- 1 In the **TEST PRINT** menu, press the **▲ / ▼** button to select **NOZZLE CHECK**.



- 2 Press the **▶** button to enter the **NOZZLE CHECK** item.



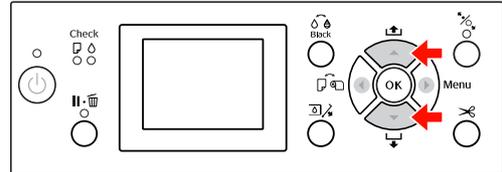
- 3 Press the **OK** button to execute the **NOZZLE CHECK**.



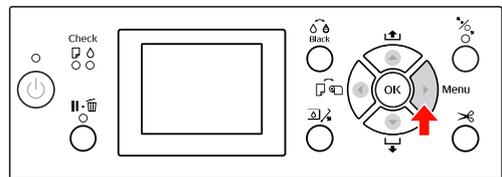
C. When you want to display the printer information

Example: When selecting **INK LEVEL** in the **PRINTER STATUS** menu.

- 1 In the **PRINTER STATUS** menu, press the **▲ / ▼** button to select **INK LEVEL**.

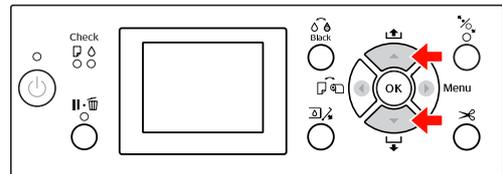


- 2 Press the **▶** button to enter the **INK LEVEL** item.



- 3 Confirm the remaining ink on the display. Press the **▲ / ▼** button to display the remaining amount of each ink color.

Example: Matte Black 84%



- 4 Press the **◀** button to return to the previous level or press the **||·☒** button to exit the Menu mode.

The Control Panel

Menu list

Menu	Item	Parameter
"PRINTER SETUP" on page 21	PLATEN GAP	NARROW, STANDARD, WIDE, WIDER, WIDEST
	PAGE LINE	ON, OFF
	ROLL PAPER MARGIN	DEFAULT, TOP/BOTTOM 15mm, TOP 35/BOTTOM 15mm, 3mm, 15mm
	PAPER SIZE CHECK	ON, OFF
	PAPER SKEW CHECK	ON, OFF
	REFRESH MARGIN	ON, OFF
	AUTO NOZZLE CHECK	ON: PERIODICALLY, ON: EVERY JOB, OFF
	PRINT NOZZLE PATTERN	OFF, ON: EVERY PAGE, ON: EVERY 10 PAGES
	CHANGE BLACK INK	MANUAL, AUTO
	INITIALIZE SETTINGS	EXECUTE
"TEST PRINT" on page 23	NOZZLE CHECK	PRINT
	STATUS SHEET	PRINT
	NETWORK STATUS SHEET	PRINT
	JOB INFORMATION	PRINT
	CUSTOM PAPER	PRINT
"MAINTENANCE" on page 23	CUTTER ADJUSTMENT	EXECUTE
	CUTTER REPLACEMENT	EXECUTE
	CLEANING	NORMAL CLEANING, CLEAN COLOR PAIRS, POWER CLEANING
	CLOCK SETTING	MM/DD/YY HH:MM
"PRINTER STATUS" on page 24	VERSION	JW0xxxx-xx.xx.IBCC or JN0xxxx-xx.xx.IBCC
	INK LEVEL	(ink color) nn%
	MAINTENANCE TANK	LEFT nn% RIGHT nn%
	JOB HISTORY	No. 0-No. 9 INK xxxxx.xml PAPER xxx.x cm2
	TOTAL PRINTS	nnnnnn PAGES
	EDM (or myEpsonPrinter) STATUS	INITIALIZING, NOT STARTED, ENABLED, DISABLED LAST UPLOADED MM/DD/YY HH:MM GMT, (NOT UPLOADED)

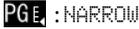
The Control Panel

"PAPERSETUP" on page 25	ROLL PAPER REMAINING	REMAINING PAPER SETUP ROLL PAPER LENGTH ROLL LENGTH ALERT
	PAPER TYPE	Photo Paper Proofing Paper Fine Art Paper Matte Paper Plain Paper Others CUSTOM PAPER NO PAPER SELECTED
	CUSTOM PAPER	PAPER NO.1 - 10
"HEAD ALIGNMENT" on page 28	PAPER THICKNESS	SELECT PAPER TYPE SELECT THICKNESS
	ALIGNMENT	AUTO, MANUAL
"NETWORK SETUP" on page 28	NETWORK SETUP	DISABLE, ENABLE
	IP ADDRESS SETTING	AUTO, PANEL
	IP, SM, DG SETTING	IP ADDRESS 000.000.000.000 - 255.255.255.255 SUBNET MASK 000.000.000.000 - 255.255.255.255 DEFAULT GATEWAY 000.000.000.000 - 255.255.255.255
	BONJOUR	ON, OFF
	WSD	OFF, ON
	INIT NETWORK SETTING	EXECUTE
"OPTIONS SETUP" on page 29	SpectroProofer	STATUS INFORMATION DEVICE ALIGNMENT
	TAKE UP REEL	TAKE UP REEL VERSION

The Control Panel

Details of Menu mode

PRINTER SETUP

Item	Parameter	Explanation
PLATEN GAP	NARROW	<p>You can adjust the distance between the print head and paper.</p> <p><input type="checkbox"/> STANDARD: Normally, select STANDARD.</p> <p><input type="checkbox"/> When selecting other than STANDARD, the following icon appears on the LCD panel.</p> <p> : NARROW</p> <p> : WIDE</p> <p> : WIDER</p> <p> : WIDEST</p>
	STANDARD	
	WIDE	
	WIDER	
	WIDEST	
PAGE LINE	ON	<p>You can select whether to print a page line (line along which to cut) on the roll paper. Select ON if you want to print the page line, or OFF otherwise.</p> <p>The vertical line may be printed when the roll paper width that is set in the printer driver is smaller than the width of the roll paper that is loaded in the printer.</p> <p>This setting is available for roll paper only.</p>
	OFF	
ROLL PAPER MARGIN	DEFAULT	<p>You can select margins for roll paper.</p> <p><input type="checkbox"/> DEFAULT: The top margin of Premium Glossy Photo Paper (250), Premium Semigloss Photo Paper (250), and Premium Luster Photo Paper (260) are 20 mm and the bottom margin is 15 mm.</p> <p><input type="checkbox"/> TOP/BOTTOM 15mm: The top and bottom margins are 15 mm and left and right margins are 3 mm.</p> <p><input type="checkbox"/> TOP 35/BOTTOM 15mm: The top margin is 35 mm, bottom is 15 mm, and left and right are 3 mm.</p> <p><input type="checkbox"/> 15mm: The margins of all four sides are 15 mm.</p> <p><input type="checkbox"/> 3mm: The margins of all four sides are 3 mm.</p> <p>The print size does not change even when the margins are changed.</p>
	TOP/BOTTOM 15mm	
	TOP 35/BOTTOM 15mm	
	15mm	
	3mm	
PAPER SIZE CHECK	ON	<p>You can select whether to check the paper width.</p> <p><input type="checkbox"/> ON: Check the paper width and top edge of the paper.</p> <p><input type="checkbox"/> OFF: Do not check the paper width and top edge of the paper. The printer continues to print even if the paper width does not match the data width, and the printer may print beyond the paper. Because this soils the inside of the printer, we recommend you select ON. This may result in a wider blank margin at the top of each page.</p>
	OFF	

The Control Panel

Item	Parameter	Explanation
PAPER SKEW CHECK	ON	<input type="checkbox"/> ON: If the paper is not straight, an error message appears on the LCD panel and the printer stops printing.
	OFF	
REFRESH MARGIN	ON	When you select ON , the printer cuts an extra print area automatically after borderless printing.
	OFF	
AUTO NOZZLE CHECK	ON: PERIODICALLY	The printer performs a nozzle check and if there are missing dots, it performs cleaning automatically. <input type="checkbox"/> ON: PERIODICALLY Automatically performs a nozzle check periodically. <input type="checkbox"/> ON: EVERY JOB Performs a nozzle check before printing each job. <input type="checkbox"/> OFF Does not perform a nozzle check automatically, except for some operations.
	ON: EVERY JOB	
	OFF	
PRINT NOZZLE PATTERN	OFF	When you select ON , the printer prints the nozzle check pattern before printing each print job or the 10th sheet, depending on the setting you have set. This setting is available for roll paper only.
	ON: EVERY PAGE	
	ON: EVERY 10 PAGES	
CHANGE BLACK INK	MANUAL	This function is enabled when printing to paper that supports both matte black and photo black ink. Select between automatically switching black ink (AUTO) or not automatically switching black ink (MANUAL) when switching the type of black ink from the printer driver. When AUTO is selected, the printer automatically switches to the type of black ink set in the printer driver, even if the type of black ink set in the printer driver and the printer itself do not match. A confirmation message is displayed when MANUAL is selected. If you choose to continue printing, the printer switches to the type of black ink specified in the printer driver, and then performs the printing operation. When printing to paper that has a specific type of supported black ink, you cannot set the type of black ink from the printer driver regardless of this setting. You must set the type of black ink that is compatible with your paper from the printer's control panel before printing.  See "Changing the Black Ink" on page 61
	AUTO	
INITIALIZE SETTINGS	EXECUTE	You can return all setting values you have made in the PRINTER SETUP menu to their factory set value.

The Control Panel

TEST PRINT

Item	Parameter	Explanation
NOZZLE CHECK	PRINT	You can print a print head nozzle check pattern for each ink cartridge. ☞ See "Nozzle check" on page 77
STATUS SHEET	PRINT	You can print the current printer status.
NETWORK STATUS SHEET	PRINT	You can print the current network status.
JOB INFORMATION	PRINT	You can print the job information saved in the printer (up to 10 jobs.)
CUSTOM PAPER	PRINT	You can print custom paper information registered in the CUSTOM PAPER menu.

MAINTENANCE

You can perform maintenance functions, such as head cleaning.

Item	Parameter	Explanation
CUTTER ADJUSTMENT	EXECUTE	You can fine tune the cutting position when printing to roll paper with no margins in all directions. When using this function, a cutter position adjustment pattern is printed. You can select the cutter position number within a range of -120 to +120 mil (-3.0 to +3.0 mm) in increments of 8 mil (0.2 mm).
CUTTER REPLACEMENT	EXECUTE	Starts the cutter replacement operation. ☞ See "Replacing the Cutter" on page 73
CLEANING	NORMAL CLEANING	You can perform normal cleaning.
	CLEAN COLOR PAIRS	You can select the nozzles to clean from the following two-color combinations; C/VM, PK (MK)/LK, LLK/Y, or VLM/LC.
	POWER CLEANING	You can clean the print head more effectively than normal head cleaning.
CLOCK SETTING	MM/DD/YY HH:MM	You can set year, month, date, hour, and minute.

The Control Panel

PRINTER STATUS

This menu shows the printer status.

Item	Parameter	Explanation
VERSION	JW0xxxx-xx.xx.IBCC or JN0xxxx-xx.xx.IBCC	You can see the firmware version.
INK LEVEL	(ink color) nn%	You can see the status of each ink cartridge.
MAINTENANCE TANK	LEFT nn%	You can see the free space of the maintenance tank.
	RIGHT nn%	
JOB HISTORY	No. 0 - No.9 INK xxxxx.xml PAPER xxx.x cm2	You can see ink consumption (INK) in milliliters and paper size (PAPER) for each print job saved in the printer. The latest job is saved as No. 0.
TOTAL PRINTS	nnnnnn PAGES	You can see the total amount of pages you have printed.
EDM (or myEpsonPrinter) STATUS *	INITIALIZING, NOT STARTED, ENABLED, DISABLED	You can see if the EDM (or myEpsonPrinter) is enabled or disabled. If it is enabled, the time that the EDM status was last uploaded is displayed.
	LAST UPLOADED MM/DD/YY HH:MM GMT, (NOT UPLOADED)	

* This function is not supported in some areas. For details, visit your local Epson Web site or contact your local Epson dealer/representative.

Note:

- ❑ *When the Ink Check light flashes or remains on, you need to replace the expended ink cartridge. If you replace the cartridge correctly, the counter resets automatically.*
☞ See "Replacing Ink Cartridges" on page 67
- ❑ *You need to replace the maintenance tank when the LCD panel instructs to do so. If you replace the tank correctly, the counter resets automatically.*
☞ See "Replacing the Maintenance Tank" on page 72

The Control Panel

PAPER SETUP

When you use non-Epson media, be sure to make the appropriate settings for the paper.

Item	Parameter	Explanation
ROLL PAPER REMAINING	REMAINING PAPER SETUP	<p>You can set the paper remaining counter function only if paper is not loaded in the printer.</p> <ul style="list-style-type: none"> <input type="checkbox"/> OFF: The ROLL PAPER REMAINING function is disabled. The Roll Paper Counter icon does not appear on the LCD panel. <input type="checkbox"/> ON: The remaining amount of roll paper is displayed on the LCD panel. When you press the  button, the barcode (including the paper type, the roll paper length, and the roll length alert value information) is printed on the roll paper edge. When the roll paper is changed, the barcode is scanned and the paper type, the roll paper length, and the roll length alert value information are set.
	ROLL PAPER LENGTH	<p>These settings are available only when REMAINING PAPER SETUP is ON.</p> <p>You can get a message when there is not much paper left, by setting the roll alert.</p> <p>When using roll paper, enter the length of the roll paper set in the printer and the alert value. You can set the roll paper length from 5.0 to 99.5 m, and the roll length alert from 1 to 15 m.</p>
	ROLL LENGTH ALERT	
PAPER TYPE	Photo Paper	<p>You can select the media type loaded in the printer.</p>
	Proofing Paper	
	Fine Art Paper	
	Matte Paper	
	Plain Paper	
	Others	
	CUSTOM PAPER	
	NO PAPER SELECTED	
CUSTOM PAPER	PAPER NO.1 - 10	<p>You can select a number (between 1 to 10) to register the settings (such as Paper Type, Platen Gap, Thickness Pattern, Paper Feed Adjust, Drying Time, Paper Suction) or to recall these settings you have made.</p> <p>The number you select here is displayed on the LCD panel.</p> <p> See "CUSTOM PAPER" on page 26</p>

The Control Panel

CUSTOM PAPER

When you use non-Epson media, you need to make settings suitable for the media.

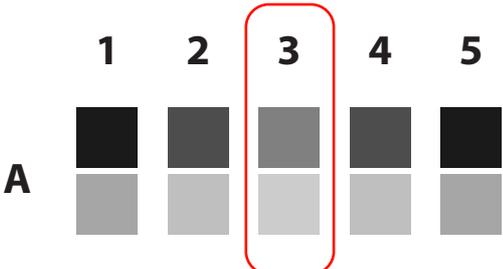
After you have selected the paper number, make the following settings. Make sure to select the paper from **PAPER TYPE** first, and then make the **PLATEN GAP** setting and so on.

To set the custom paper, see the following section.

☞ “Printing on custom paper” on page 145

Item	Parameter	Explanation
PAPER TYPE	Photo Paper	You can select the media type that is most similar to the paper you are using.
	Proofing Paper	
	Fine Art Paper	
	Matte Paper	
	Plain Paper	
	Others	
PLATEN GAP	NARROW	You can adjust the distance between the print head and paper. STANDARD: Normally, select STANDARD. NARROW: Use this when printing on thin paper. WIDE or WIDER: Select this if you find that printed images are smeared.
	STANDARD	
	WIDE	
	WIDER	
THICKNESS PATTERN	PRINT	You can print the paper thickness detection pattern.

The Control Panel

Item	Parameter	Explanation
PAPER FEED ADJUST	PATTERN	<p>Use this setting if you are unable to resolve banding (horizontal striped lines or uneven colors) even after cleaning or aligning the print head.</p> <p><input type="checkbox"/> Pattern This method allows you to correct by visually checking a printed pattern and entering a correction value. Check for the lightest colored pattern in lines A to D on the printed adjustment pattern. In the following example, "3" should be selected as it is the lightest.</p> <div style="text-align: center;">  </div> <p>Enter the confirmed number for each entry screen for lines A to D.</p> <p><input type="checkbox"/> Value You can change the value based on the banding in the printed material. The correction value (-0.70 to + 0.70%) is set at a rate of one meter per paper feed. Because a black band occurs (dark colored stripe) if too little paper is fed, adjust it in a + direction. Because a white band occurs (a white or light colored stripes) if too much paper is fed, adjust it in a - direction.</p>
	VALUE	
DRYING TIME	0.0sec	You can set the ink drying time for each print head pass. The range is 0 to 10 seconds. Depending on the ink density or paper type, the ink does not dry soon. In this case, set the drying time longer.
	0.0sec to 10.0sec	
PAPER SUCTION	STANDARD	You can set the suction pressure used to feed the printed paper.
	-1 to -4	
SET ROLL PAPER TENSION	NORMAL	When using a cloth or thin paper or when wrinkles appear in the paper during printing, select HIGH or EXTRA HIGH.
	HIGH	
	EXTRA HIGH	
REMOVE SKEW	ON	You can select whether to perform this operation to reduce the paper skew or not.
	OFF	

The Control Panel

HEAD ALIGNMENT

You can perform print head alignment. For more details, see the following section.

 "Print head alignment" on page 83

Item	Parameter	Explanation
PAPER THICKNESS	SELECT PAPER TYPE	When using Epson special media, select the paper type. If you use non-Epson special media, enter the paper thickness in the range of 0.1 to 1.5 mm.
	SELECT THICKNESS	
ALIGNMENT	AUTO	When you select AUTO , the adjustment pattern for output is read by the sensor and the optimum adjustment value is registered automatically in the printer. When you select MANUAL , you need to check the pattern and enter the value for alignment.
	MANUAL	

NETWORK SETUP

When you use the printer on the network, set the following items.

Item	Parameter	Explanation
NETWORK SETUP	DISABLE	You can make the network settings using the printer's control panel. The following items appear only when ENABLE is selected. After setting the items, press the ◀ button in the NETWORK SETUP menu, so the network is reset and the network connection is available after 40 seconds. The NETWORK SETUP menu does not appear while resetting the network.
	ENABLE	
IP ADDRESS SETTING	AUTO	You can select the method to set the IP address to the printer. When you select PANEL , IP ,SM ,DG SETTING appears.
	PANEL	
IP,SM,DG SETTING	Ask your system administrator for detailed information.	
BONJOUR	ON	You can enable or disable the Bonjour setting.
	OFF	
WSD	OFF	Select whether the network interface uses WSD (ON) or not (OFF).
	ON	
INIT NETWORK SETTING	EXECUTE	You can return the network settings of the printer to the factory default value.

The Control Panel

OPTIONS SETUP

When you use the optional equipment, set the following items.

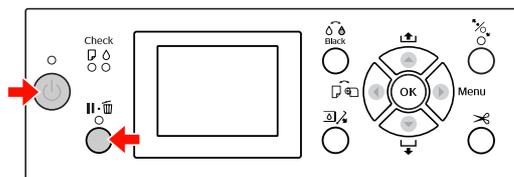
Item	Parameter	Explanation
SpectroProofer	STATUS INFORMATION	In <code>STATUS INFORMATION</code> , displays the status of each item of SpectroProofer, such as the version of SpectroProofer, the product numbers of the white calibration tiles, the temperature of Color Measurement Device (ILS20EP), ambient air temperature, and the color of the backing. In <code>DEVICE ALIGNMENT</code> , perform the setup for SpectroProofer installed.
	DEVICE ALIGNMENT	
TAKE UP REEL	TAKE UP REEL VERSION	Displays the version of Auto Take-up Reel Unit.

The Control Panel

Maintenance Mode

You can change the language or unit used on the display or return all the setting values to their factory default.

- 1 Turn off the printer by pressing the  button.
- 2 Press both the  button and the  button at the same time to turn on the printer.



Refer to the "Maintenance mode list" on the right for details.

The setting procedures are the same as those for the Menu mode.

 See "Using the Menu mode" on page 16

- 3 To exit the Maintenance mode, press the  button to turn off the printer.

Maintenance mode list

Item	Parameter	Explanation
LANGUAGE	JAPANESE	You can select the language to be displayed on the LCD panel.
	ENGLISH	
	FRENCH	
	ITALIAN	
	GERMAN	
	PORTUGUE	
	SPANISH	
	DUTCH	
	KOREAN	
CHINESE		
LENGTH UNITS	METRIC	You can select a unit of measurement to use to display length.
	FEET/INCH	
TEMPERATURE UNITS	°C	You can select the unit of temperature displayed on the LCD panel.
	F	
ROLL PAPER TENSION	1 - 5	You can change the maximum value of Roll Paper Tension.
SS CLEANING	EXECUTE	You can perform ultrasonic head cleaning.
DEFAULT PANEL	EXECUTE	You can set all setting values you made in the Menu mode to their factory set value.
AUTO CLEANING TIMES	1 - 3	The number of times to perform auto cleaning when a clog was detected after performing an auto nozzle check.
CUSTOM	0 - 255	You can make custom settings.

Paper Handling

Paper Handling

Supported Media

We recommend you use Epson special media that can enhance the usage and expressive power of the printing results. See the following section for more information on the paper.

☞ See "Paper Information" on page 160

Note:

- Do not use paper that is wrinkled, scuffed, torn, dirty or otherwise imperfect.
- Insert the paper just before printing. Remove it from the printer when printing is finished and store it in accordance with the instructions for the media that you are using.
- When you use paper other than Epson special media, see the instructions included with the paper, or contact your supplier for more information. Test the print quality before purchasing a large amount of paper.

Roll paper

Media types	Plain paper, recycled paper, others
Roll paper size	2-inch core: Outer diameter 103 mm or less
	3-inch core: Outer diameter 150 mm or less
Paper size	Epson Stylus Pro 9890/9908: 2-inch core: 254 to 1118 mm × 45 m 3-inch core: 254 to 1118 mm × 202 m
	Epson Stylus Pro 7890/7908: 2-inch core: 254 to 610 mm × 45 m 3-inch core: 254 to 610 mm × 202 m
Thickness	Plain paper, recycled paper: 0.08 to 0.11 mm (Weight: 64 to 90 g/m ²)
	Others: 0.08 to 0.5 mm

Available width for borderless printing	10 inches, 300 mm, 13 inches (Super A3), 16 inches, 17 inches, 512 mm (B2), 594 mm (A1), 24 inches (Super A1), 728 mm (B1), 36 inches (Super A0), 44 inches (Super B0)
--	--

Cut sheet

Media types	Plain paper, recycled paper, others
Paper size	Epson Stylus Pro 9890/9908: Width: 210 to 1118 mm Length: 297 to 1580 mm (A4 to Super B0) Epson Stylus Pro 7890/7908: Width: 210 to 610 mm Length: 297 to 914 mm (A4 to Super A1)
Thickness	Plain paper, recycled paper: 0.08 to 0.11 mm (Weight: 64 to 90 g/m ²)
	Others: 0.08 to 1.50 mm However, for thick paper (0.5 to 1.5 mm), the length is up to 762 mm.
Available width for borderless printing	10 inches, 300 mm, 13 inches (Super A3), 16 inches, 17 inches, 512 mm (B2), 594 mm (A1), 24 inches (Super A1), 728 mm (B1), 36 inches (Super A0), 44 inches (Super B0)

Note:

- Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, Epson cannot attest to the quality of any non-Epson brand or type of paper. Always test samples of paper before purchasing large quantities or printing large jobs.
- Poor quality paper may reduce print quality and cause paper jams or other problems. If you encounter problems, switch to a higher grade of paper.

Using Roll Paper

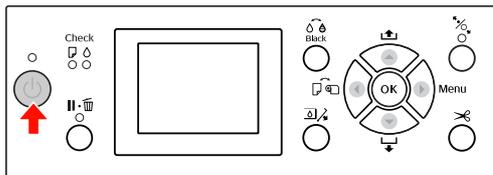
Loading roll paper

To load roll paper, follow the steps below.

Note:

- ❑ When REMAINING PAPER SETUP is ON, the barcode (including the paper information) is printed on the roll paper edge before the paper is removed. This will facilitate paper setting the next time the same paper is used.
➔ See "PAPER SETUP" on page 25
- ❑ We recommend that you load the roll paper immediately before printing. If the paper roll is left in the printer, the roller for securing the paper may leave a mark on the surface of the paper.

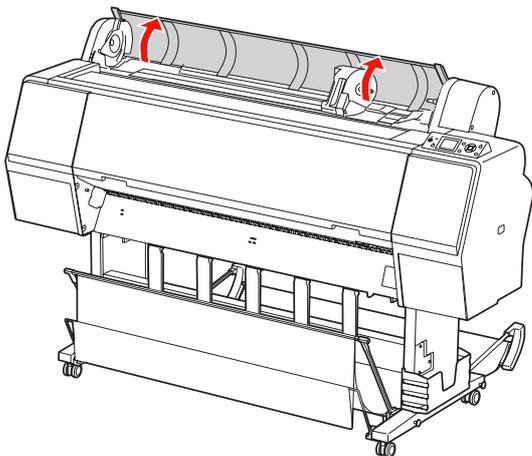
- 1 Turn on the printer by pressing the  button.



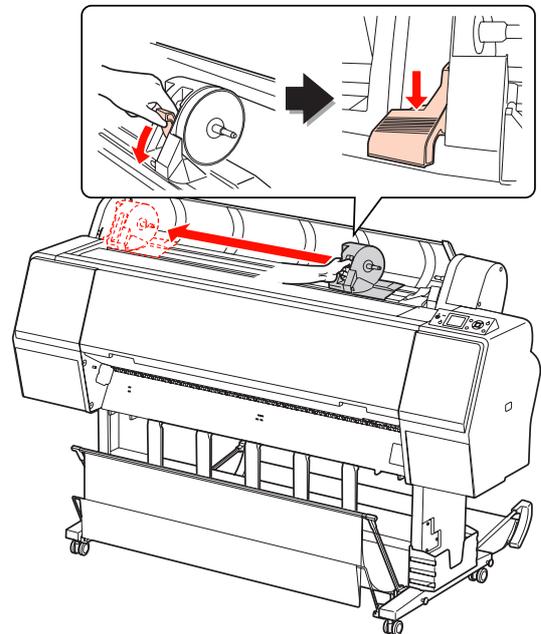
Note:

After turning on the printer, press the OK button before loading the paper to display the instructions for paper settings.

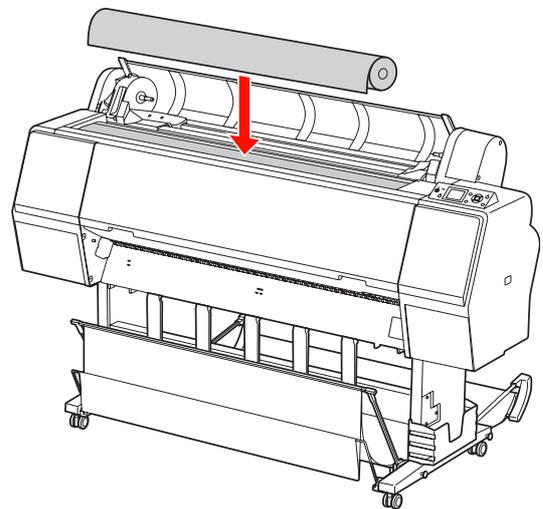
- 2 Open the roll paper cover.



- 3 To unlock the adapter holder, push the lock lever of the adapter holder down firmly. Then move the adapter holder to the left with the handle.



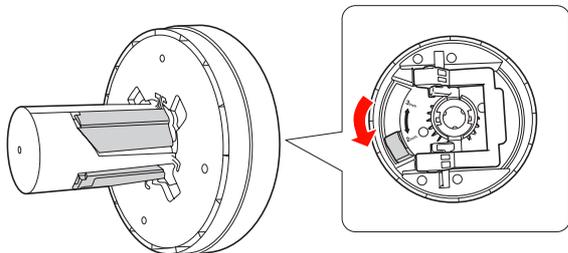
- 4 Place the paper roll in the gap on the top face of the printer.



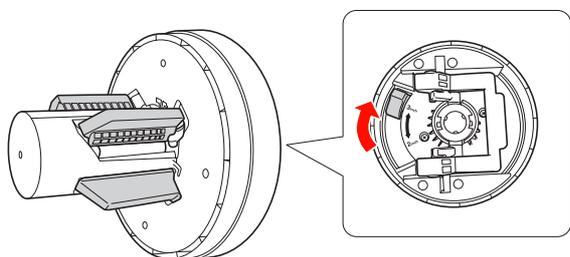
Paper Handling

- 5** Switch the lever of the roll media adapter to fit the core size of the roll paper.

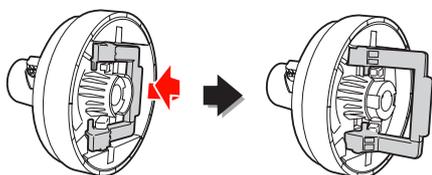
Using 2-inch core:



Using 3-inch core:

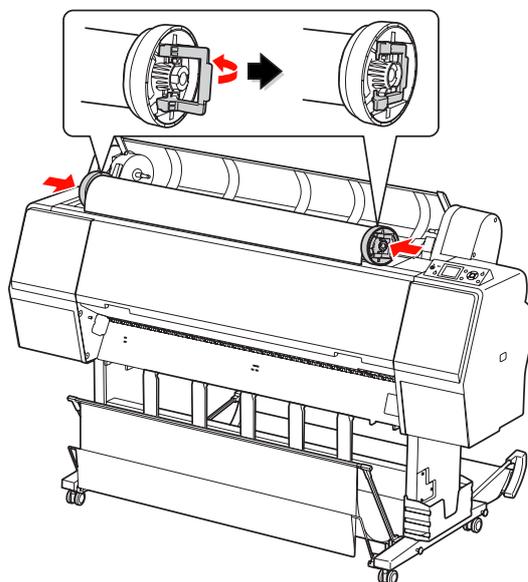


- 6** Release the lock lever of the adapters on both sides.

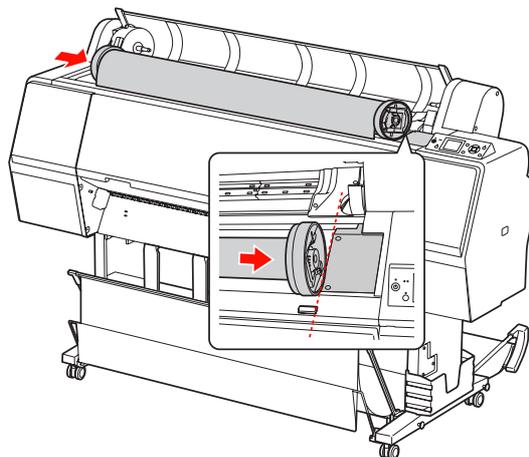


- 7** Attach the roll media adapters on both ends of the roll paper. Then, pull down the lock lever of the adapters on both sides to lock.

Push the adapters into the paper core firmly.

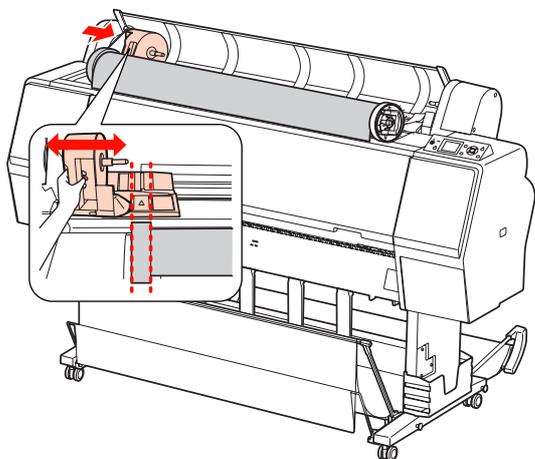


- 8** Move the roll paper to the right side until it touches the roll paper set guide.

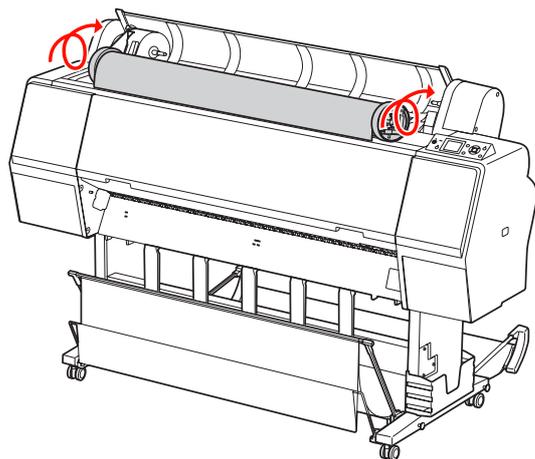


Paper Handling

- 9** Slide the adapter holder with the handle to make the left roll media adapter align with ▲ on the adapter holder.

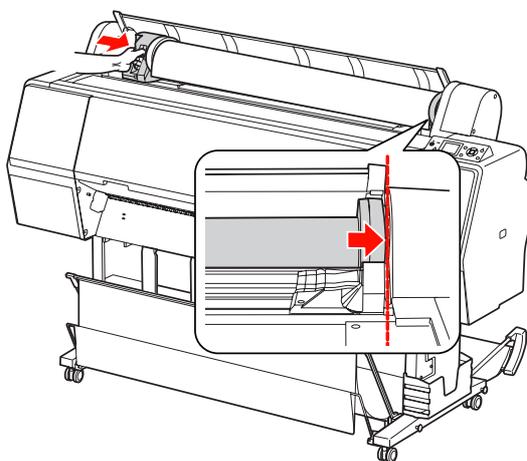


- 10** Roll the roll paper slowly into the roll paper holder.

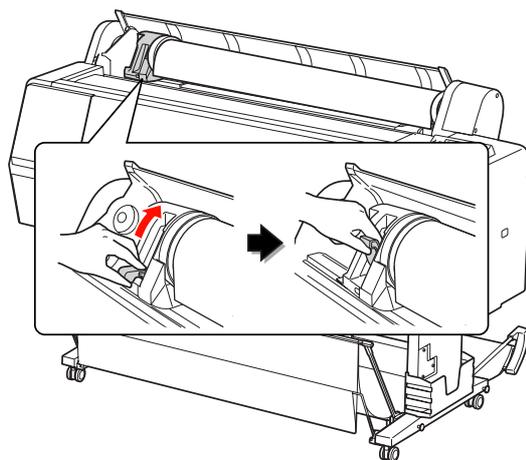


- 11** Slide the adapter holder with the handle to the right to set it in the holder axis firmly.

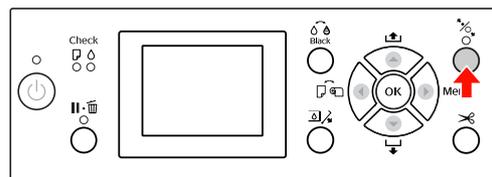
Make sure to set both ends of the roll paper into the adapters firmly.



- 12** Push the lock lever of the adapter holder up to lock.



- 13** Press the  button.

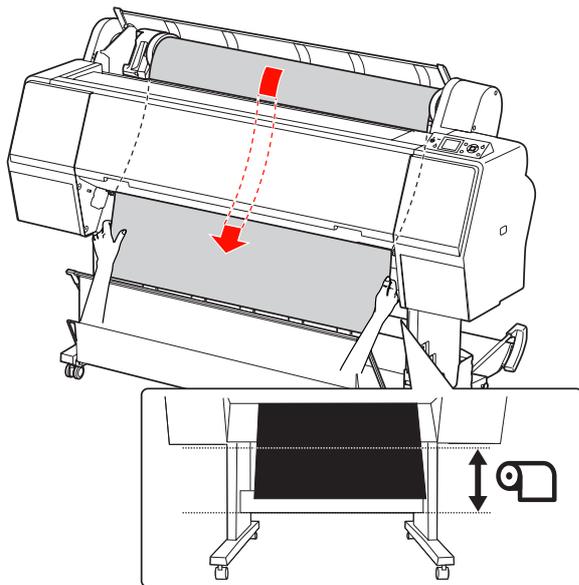


Paper Handling

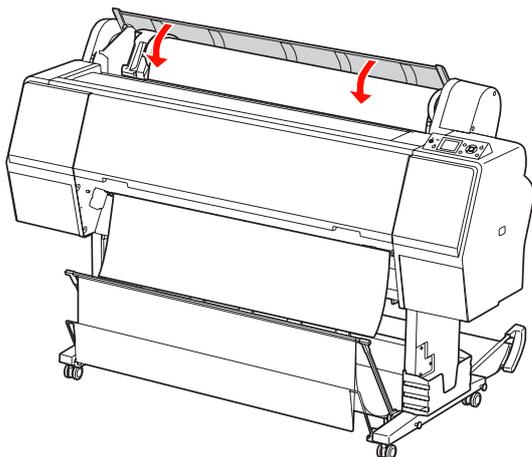
14 Insert the paper into the insertion slot. Pull the paper down through the paper insertion slot so that it comes out below.

Take care not to fold the edge of the paper, and insert it so that there is no slack.

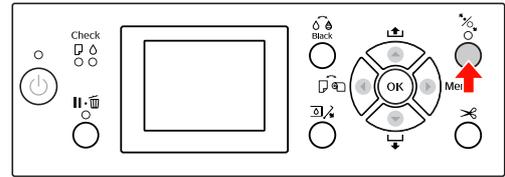
If you have difficulty feeding the paper, adjust the paper suction by pressing the ▲ or ▼ button. Pull the paper to fit the edge of the paper to the label position.



15 Close the roll paper cover.



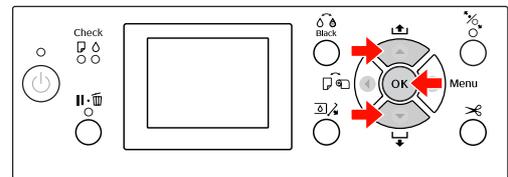
16 Press the  button.



After a few seconds, the paper moves to the printing position. When you press the  button, it moves immediately.

17 If `ARE THESE SETTINGS OK?` appears on the LCD panel, press the ▲ or ▼ button to select `NO` and then press the **OK** button. Set the media type and paper remaining, and then press the **OK** button to set the media.

The previous setting appears on the LCD panel. If the media type and paper remaining are correct, select `YES` and then press the **OK** button.



18 If the edge of the roll paper has folds, press the  button to cut the edge.

19 When using the paper basket, set it in the forward or backward position.

If you are using Epson Stylus Pro 9890/9908, you can also use the optional Auto Take-up Reel Unit.

 See “Using the paper basket and paper guides” on page 43

 See “Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)” on page 47

Cutting the roll paper

There are two ways to cut the roll paper.

Method	Operation
Auto cut	Cut the roll paper after printing each page automatically.
Manual cut	Cut the roll paper manually, or cut the roll paper using cutter sold at a store.

Note:

- Some of the roll paper may not be cut using the built-in cutter. Use a cutter sold at a store to cut the paper.
- It may take a while to cut the roll paper.

Setting the cutting method

Before printing, select the cutting method.

Printing from the printer's control panel (such as printing a status sheet)

Press the ◀ button to select cutting method.

Icon	Explanation
	Roll Auto Cut On
	Roll Auto Cut Off

Printing from the computer

Set the Auto Cut setting in the Roll Paper Option dialog box of the printer driver.

Cutting the roll paper after printing

Cutting the roll paper automatically

Cut the roll paper automatically after printing each page.

Cutting the roll paper manually

To cut the roll paper manually, follow the steps below.

- 1** While watching the inside of the printer over the front cover, press the ▼ button to feed the roll paper and adjust the cutting position to the ←✂ mark on the left side of the print head.
- 2** Press the ✂ button. When the selection menu appears, select CUT by using the ▲ or ▼ button, and then press the OK button.

The paper is cut by the built-in cutter.

Note:

- If the paper cannot be cut by the built-in cutter, press the ▼ button so the printer automatically feeds the paper to the position where you can cut it manually. Cut the paper using the cutter.
- Depending on the paper type, the minimum length of paper you can cut is set from 60 to 127 mm. You can not change it.

Paper Handling

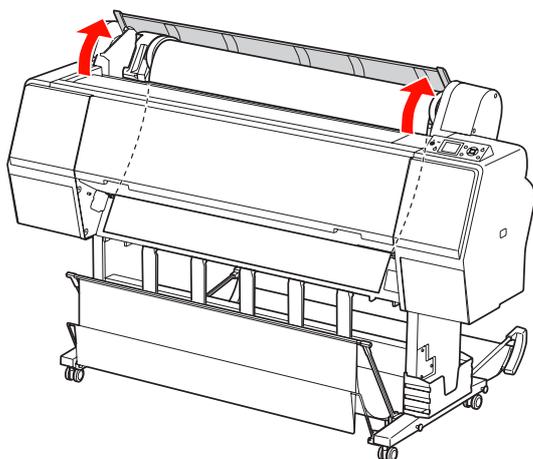
Removing the roll paper

Note:

We recommend that you remove the roll paper from the printer after printing. If the paper roll is left in the printer, the roller for securing the paper may leave a mark on the surface of the paper.

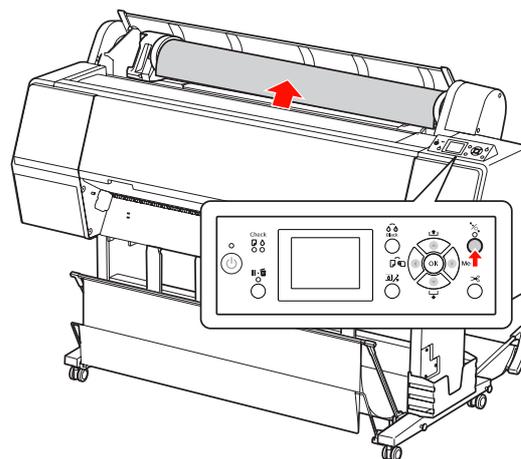
1 Make sure the printer is turned on.

2 Open the roll paper cover.



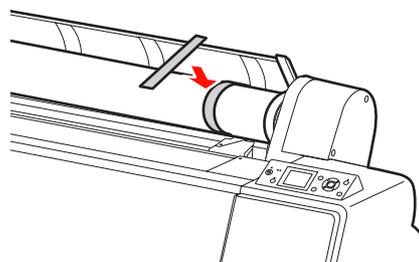
3 Press the  button to release the paper presser.

The roll paper is rewound automatically if the printer state is after the paper cut but in the READY state. However, when using the optional Auto Take-up Reel Unit, the printer does not rewind the roll paper. Rewind the roll paper manually, if it is not automatically done.



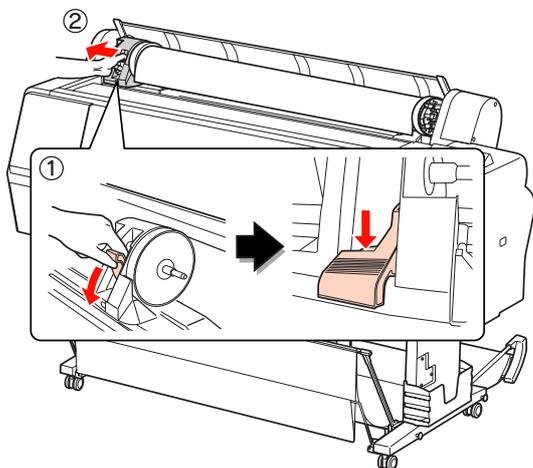
Note:

When you are not using the roll paper, wrap it using the optional roll paper belt.

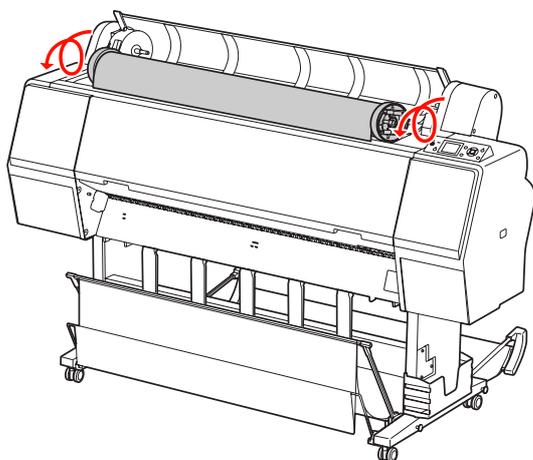


Paper Handling

- 4** To unlock the adapter holder, push the lock lever of the adapter holder down firmly. Move the adapter holder to the left with the handle until the end. Then take it off from the holder axis.

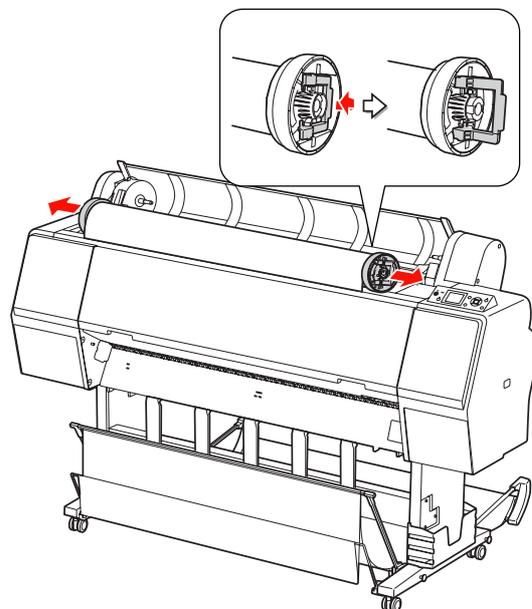


- 5** Roll over the paper roll to the front side, and then place it in the gap on the top face of the printer.



- 6** Pull up the lock lever of the adapter to unlock. Then remove the roll media adapter from the paper roll.

After rewinding the roll paper carefully, place it in the original bag that it came in when you purchased it.



Using Cut Sheet Media

The procedures differ depending on your paper size and thickness.

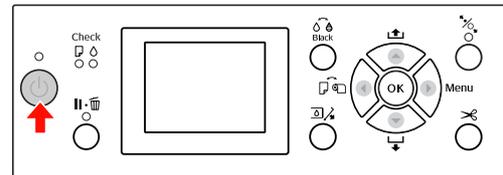
Paper	Refer to
Smaller than A3 size	 "Loading cut sheet smaller than A3 size" on page 39
A3 or larger or thick paper	 "Loading cut sheet A3 size or larger / thick paper" on page 40

Note:

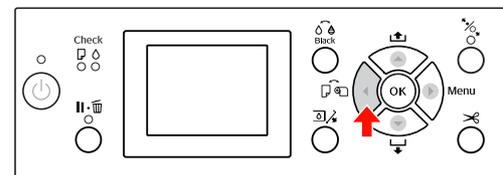
- Flatten the paper before loading it in the printer. If paper that is wavy or slack is loaded, the printer may not recognize the paper size correctly or may not print normally. Also, we recommend that you repack the paper in its original package and store it flat, only taking it out of the bag just before you use it.
- If roll paper is loaded, rewind it first before loading single sheet paper.
- When you use paper other than Epson special media, see the instructions included with the paper, or contact your supplier for more information.

Loading cut sheet smaller than A3 size

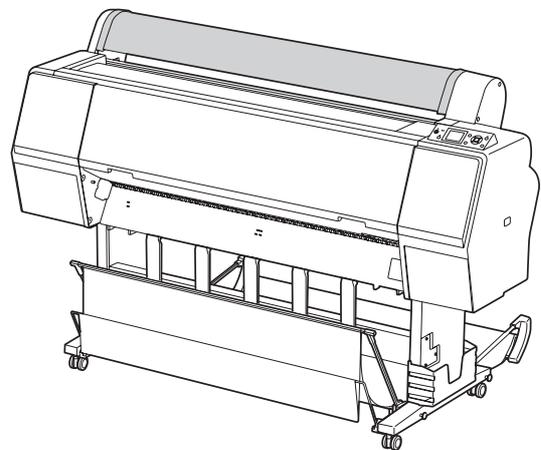
- 1 Turn on the printer by pressing the  button.



- 2 Press the  button repeatedly until Sheet  appears.



- 3 Make sure that the roll paper cover is closed.

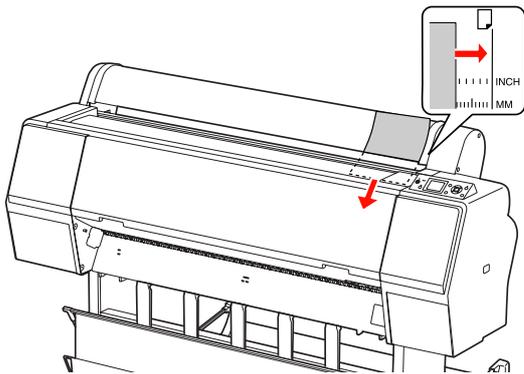


Paper Handling

- 4** Load the sheet into the paper insertion slot until it meets resistance.

Align the right edge of the paper with the setting position, and then insert the paper until it meets resistance. When using paper sizes A4 or below, set the paper until it reaches the bottom along the line on the metal part under the paper insertion slot.

PRESS THE ▼ BUTTON appears on the LCD panel.



Note:

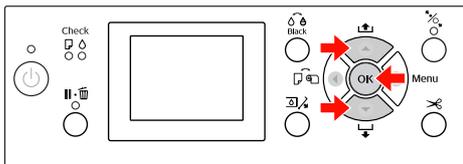
Load the sheet vertically, like most magazines.

- 5** Press the ▼ button.

The paper moves to the start position.

- 6** If ARE THESE SETTINGS OK? appears on the LCD panel, press the ▲ or ▼ button to select NO and then press the OK button. Set the media type and paper remaining, and then press the OK button to set the media.

The previous setting appears on the LCD panel. If the media type and paper remaining are correct, select YES and then press the OK button.



- 7** If you use the paper basket, set it backward position.

See “Using the paper basket and paper guides” on page 43

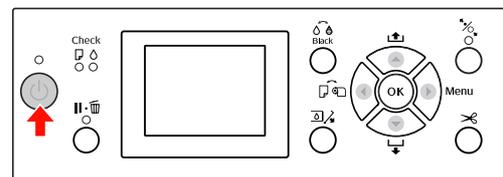
Loading cut sheet A3 size or larger / thick paper

When you load a cut sheet media A3 or larger or thick paper (0.5 to 1.5 mm), follow the steps below.

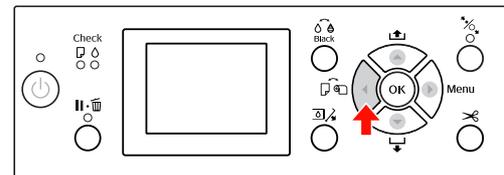
Paper is normally loaded vertically.

Thick paper can be up to 762 mm in length. However, if you are using the Epson Stylus Pro 9890/9908, you can load thick paper longer than 762 mm if you load it horizontally.

- 1** Turn on the printer by pressing the ⏻ button.

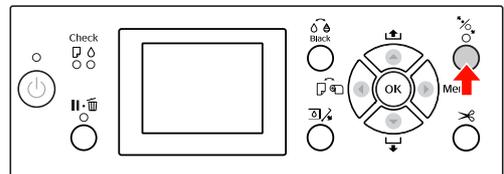


- 2** Press the ◀ button repeatedly until Sheet appears.



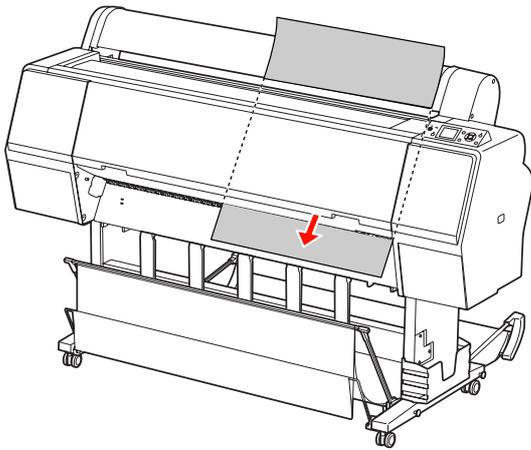
- 3** Make sure that the roll paper cover is closed.

- 4** Press the ⚙️ button.



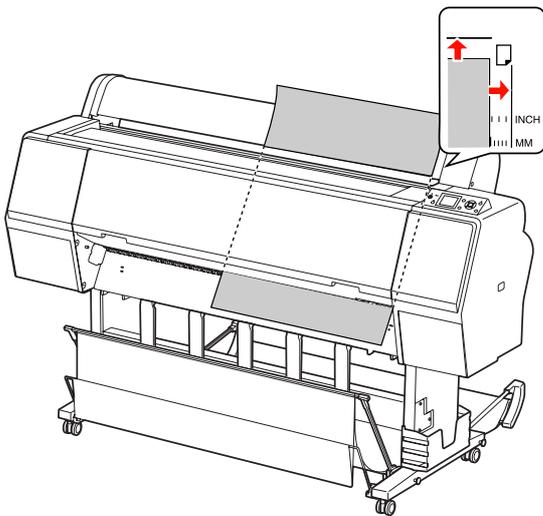
Paper Handling

- 5** Load the sheet into the paper insertion slot.



- 6** Make sure that the right and bottom edges of the sheet are straight and in line with the set line.

If you have difficulty adjusting the thick paper, adjust the paper suction by pressing the ▲ or ▼ button.

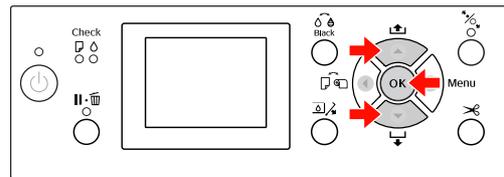


- 7** Press the  button.

After a few seconds, the paper moves to the start position. If you press the  button, it moves at once.

- 8** If **ARE THESE SETTINGS OK?** appears on the LCD panel, press the ▲ or ▼ button to select **NO** and then press the **OK** button. Set the media type and paper remaining, and then press the **OK** button to set the media.

The previous setting appears on the LCD panel. If the media type and paper remaining are correct, select **YES** and then press the **OK** button.



- 9** If you use the paper basket, set it in the forward position.

 See "Using the paper basket and paper guides" on page 43

Ejecting Paper

This section explains how to eject paper after printing.

Note:

When you use the paper basket, see the following section.

☞ “Using the paper basket and paper guides” on page 43

When you use optional Auto Take-up Reel Unit, see the following section.

☞ “Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)” on page 47

For roll paper

See the following section to cut the roll paper.

☞ “Cutting the roll paper” on page 36

For cut sheet media

1 When printing is complete, the printer supports the printed media, and **PAPER OUT. LOAD PAPER** is displayed on the LCD panel.

If **READY** appears on the LCD panel, press the ▼ button to feed the paper.

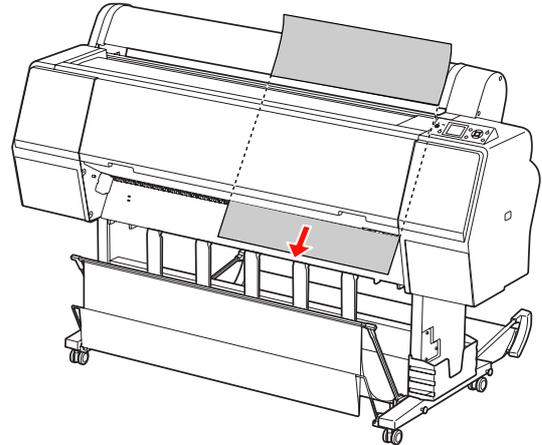


Caution:

Do not press any buttons when the Power light or the Pause light is flashing.

2

Press the ▼ button to remove the paper.



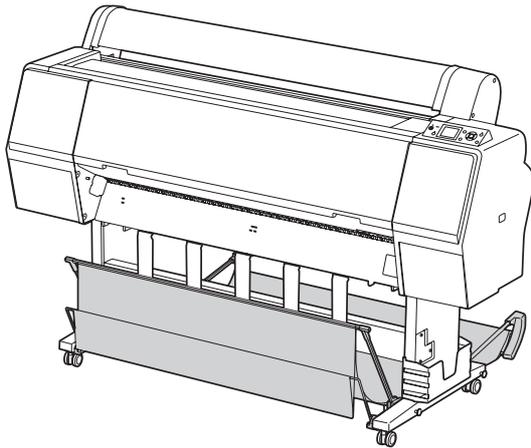
Caution:

The paper may fall after ejecting. Be sure to hold the paper to avoid falling and damaging the paper.

Using the paper basket and paper guides

To avoid your prints getting dirty or crinkled, set the paper basket as explained below. The feeding direction is different depending on the media type.

Direction	Epson Stylus Pro 9890/9908	Epson Stylus Pro 7890/7908
Forward	Paper length: 1580 mm or longer Paper thickness: 0.5 mm or more	Paper length: 914.4 mm or longer Paper thickness: 0.5 mm or more
Backward	Paper length: Less than 1580 mm Paper thickness: Less than 0.5 mm	Paper length: Less than 914.4 mm Paper thickness: Less than 0.5 mm



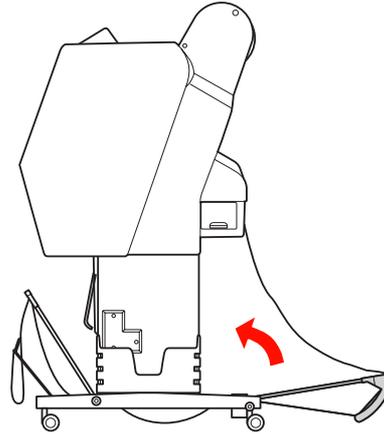
Note:

Ejecting your prints in the wrong direction may cause dirty or crinkled prints.

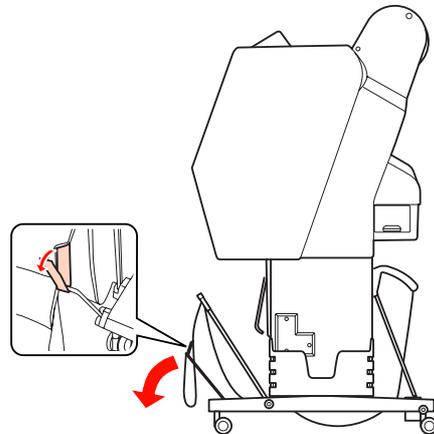
When feeding paper forward

The paper guides keep the ejected prints straight. This section explains how to switch the status from feeding paper backward to feeding paper forward.

- 1 For Epson Stylus Pro 9890/9908, bring the rear basket up to the vertical position.

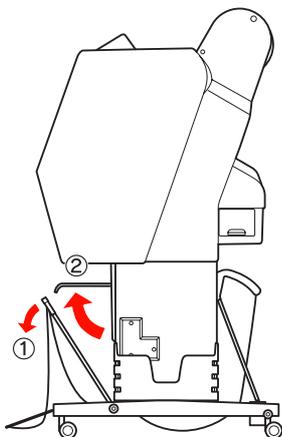


- 2 Remove the hook-and-loop fastener straps of the front paper basket, and tilt it down.

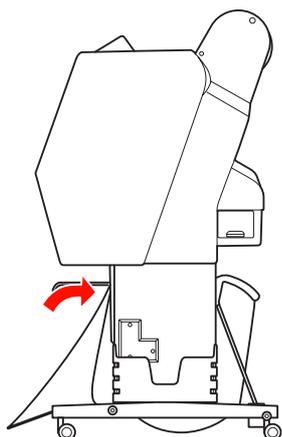


Paper Handling

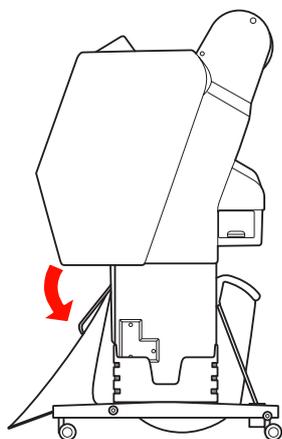
- 3** Slightly tilt the front paper basket to set the paper guides to the horizontal position.



- 4** Bring the paper basket to the vertical position. This makes the basket cloth tight.



- 5** In order to parallelize the basket cloth, move the paper guides.



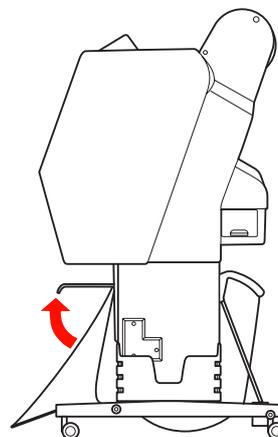
When feeding paper backward

Feed the prints backward and store them in the paper basket. This section explains how to switch the status from feeding paper forward to feeding paper backward.

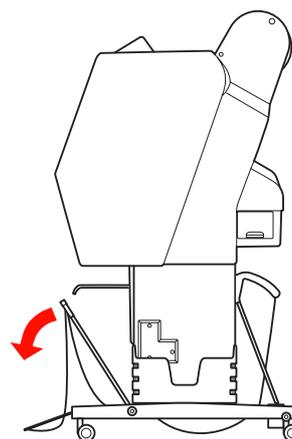
Note:

Do not stack more than one print in the paper basket. If you stack multiple prints, the space between the paper supports and paper basket becomes narrow. This may cause a paper feed error.

- 1** Bring the paper guides to the horizontal position.

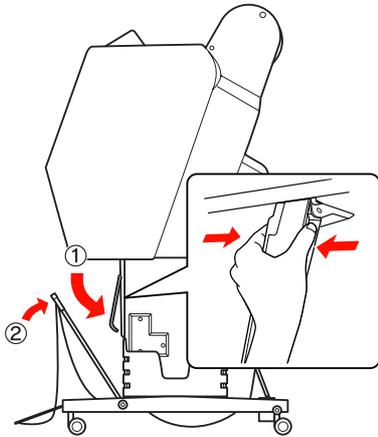


- 2** Tilt the front paper basket slightly down from the fixed position.



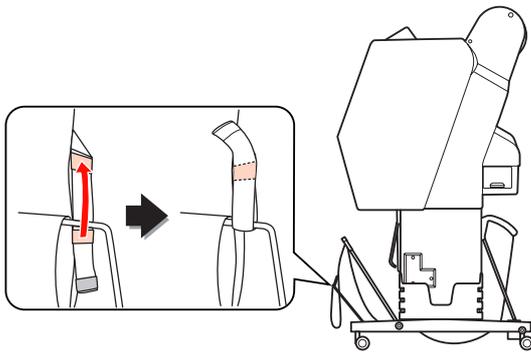
Paper Handling

- 3** Move the paper guides to the vertical position, and then bring the front basket back as far as it goes.



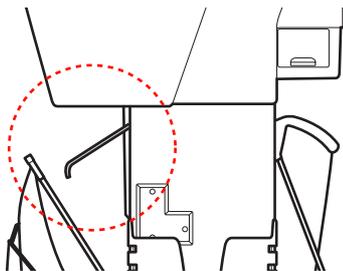
- 4** Bring the front paper basket up and fasten it with the hook-and-loop fastener straps.

Be sure to fasten the hook-and-loop fastener upward.



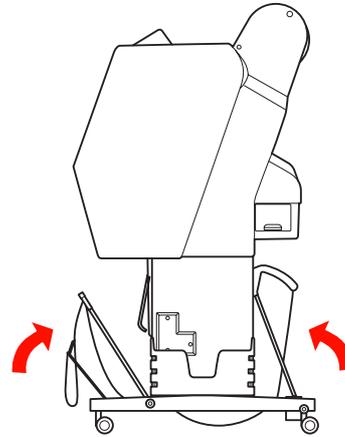
Note:

If you are concerned about the print quality when printing on Doubleweight Matte Paper or Enhanced Matte Paper, try to set the paper guides in the front direction.

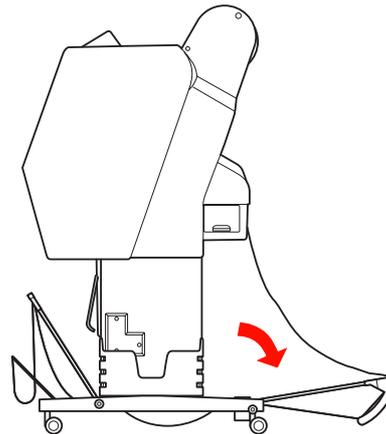


- 5** For Epson Stylus Pro 9890/9908, switch the position of the rear paper basket depending on the paper size.

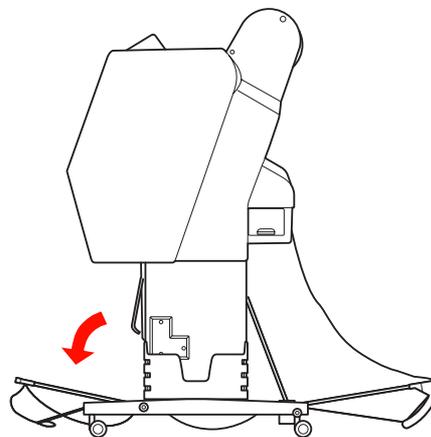
If the paper is A1 or smaller:
Lift both the front and rear baskets as shown below.



If the paper is larger than A1 size:
Tilt the rear basket until parallel to the floor during printing.



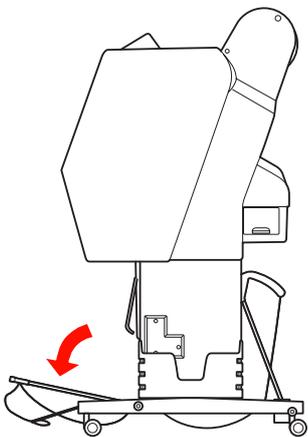
Tilt the front basket until parallel to the floor when ejecting your prints.



Paper Handling

Note:

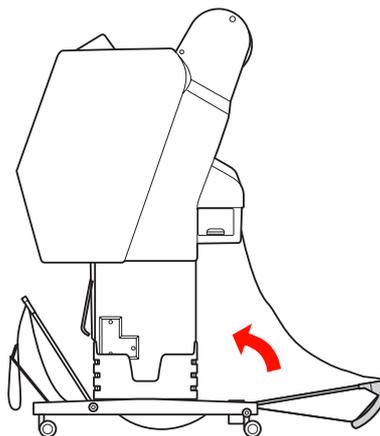
When printing on Enhanced Matte Paper, you can stack plural prints on the front basket by tilting it until parallel to the floor. The quality of the prints may not be assured, including scratches or dirty appearing.



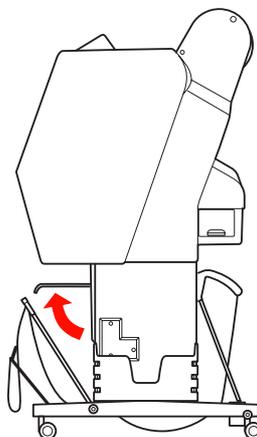
Storing the paper basket

If the paper basket is not used, bring the front basket up to the vertical position. This section explains how to switch the status from feeding paper backward status to storing paper basket.

- 1 For Epson Stylus Pro 9890/9908, bring the rear basket up to the vertical position.

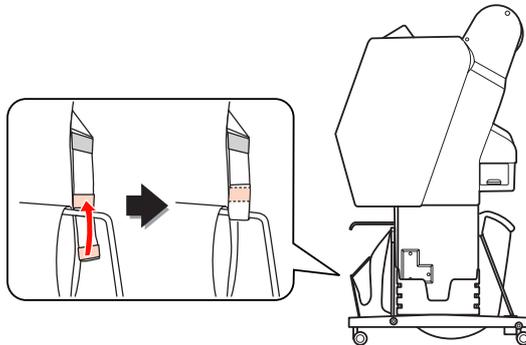


- 2 Bring the paper guides to the horizontal position.

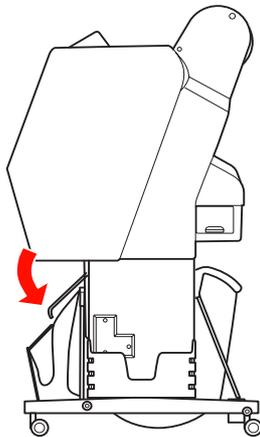


Paper Handling

- 3** Remove the hook-and-loop fastener straps, and refasten it downward. Then bring the front paper basket up to the vertical position.



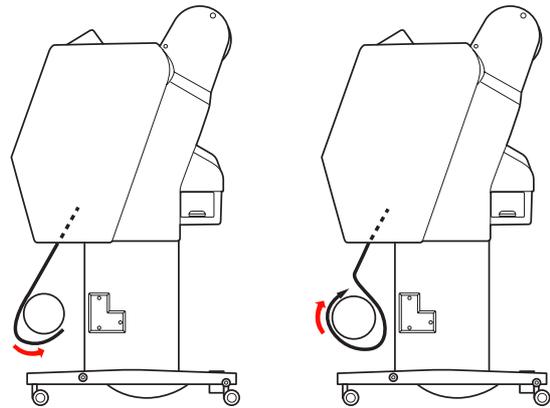
- 4** Tilt the paper guides.



Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)

When you want to print your data on roll paper and do not want to cut it or feed it out onto the floor, you can use the optional Auto Take-up Reel Unit to roll up your print.

You can wind the roll paper forward or backward.



Forward

Backward

**Warning:**

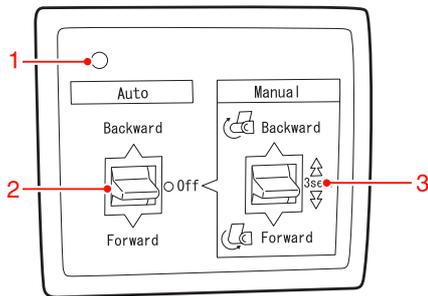
Make sure the take-up reel unit is installed properly and securely. Bodily injury may occur if it falls.

Note:

- ❑ Make sure that the leading edge of the roll paper is straight; otherwise, the Auto Take-up Reel Unit does not take up the roll paper correctly.
☞ See "Cutting the roll paper" on page 36
- ❑ See the Auto Take-up Reel Unit Setup Guide for detailed information on installing the Auto Take-up Reel Unit.
- ❑ When using Doubleweight Matte Paper or Singleweight Matte Paper, wind the roll paper forward.
- ❑ When using Singleweight Matte Paper with a 24-inch width or wider, use the Tensioner that comes with the Auto Take-up Reel Unit to ensure the print quality.
☞ See "Winding paper forward" on page 48

Paper Handling

Control box



1. Sensor light

Displays the status of the Auto Take-up Reel Unit.

Light	Status
On	It is ready to use.
Flashing rapidly	It is operating.
Flashing slowly	It is in the power-saving mode.
Long interval of flashing	It has an error.
Off	It is off.

2. Auto switch

It automatically winds the roll paper after printing.

Item	Description
Backward	It automatically winds the roll paper with printed surface inside.
Forward	It automatically winds the roll paper with printed surface outside.
Off	Do not rewind the roll paper.

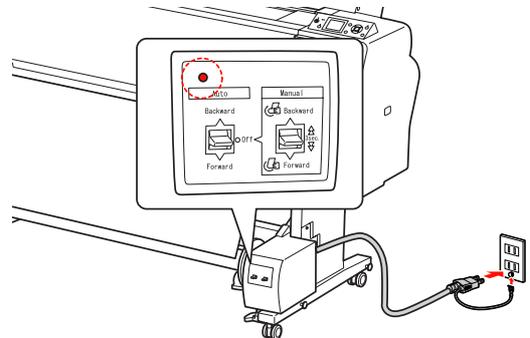
3. Manual switch

It manually winds the roll paper after printing. This mode becomes available when the **Auto** switch is Off.

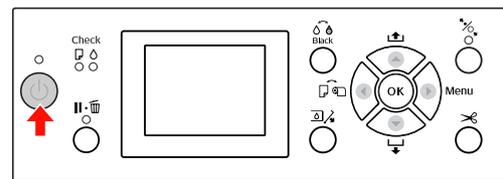
Item	Description
Backward	It winds the roll paper with printed surface inside. It becomes faster by pressing this button for 3 seconds.
Forward	It winds the roll paper with printed surface outside. It becomes faster by pressing this button for 3 seconds.

Winding paper forward

- 1 Plug the power cord into an outlet, and make sure the sensor light is on.

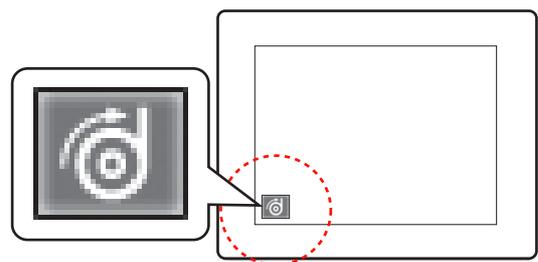


- 2 Turn on the printer by pressing the power button.



- 3 Make sure the Auto Take-up Reel Unit icon is displayed on the LCD panel.

If the icon is not displayed, make sure the Auto Take-up Reel Unit is connected properly and the power is on.



- 4 Set the roll paper.

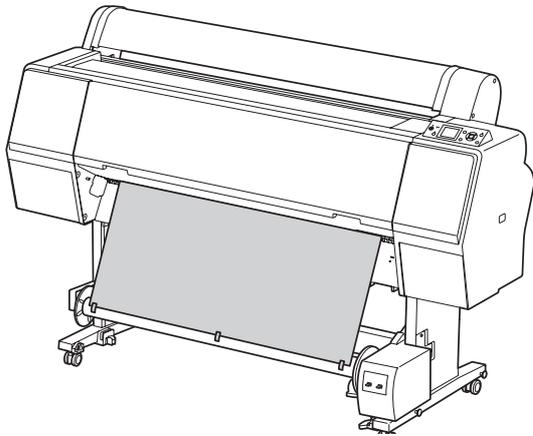
See "Loading roll paper" on page 32

- 5 Press the left arrow button to select Roll Auto Cut Off or Roll Auto Cut On.

- 6 Press the down arrow button to feed the roll paper.

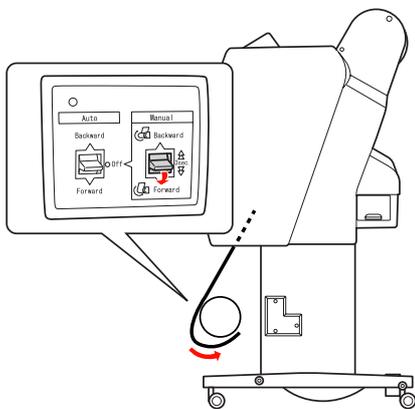
Paper Handling

- 7 Tape the leading edge of the roll paper to the take-up reel core in three places.



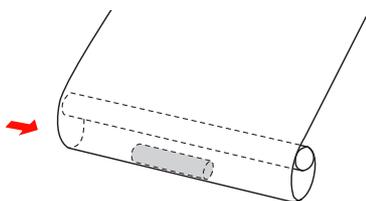
- 8 Press the ▼ button to feed the paper forward and create a loop of slack.
- 9 Set the **Manual** switch to **Forward** and hold it for a while to take up the roll paper for three or more revolutions of the take-up paper core.

After taking up the paper, ensure that there is adequate slack between the roll paper and the take-up reel core.



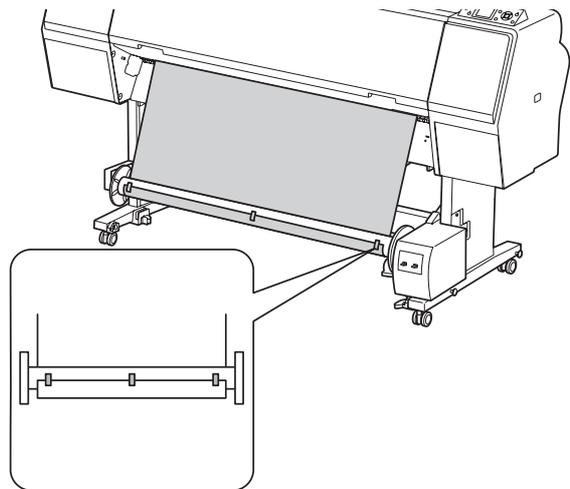
Note:

For Singleweight Matte Paper with a 24-inch width or wider, place the Tensioner in the slack of the roll paper. Make sure to place it in the center of the roll paper.



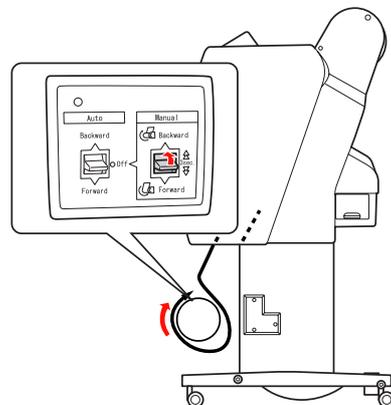
Winding paper backward

- 1 Turn on the printer, and then pull out the roll paper. See step 3 to 6 of the following section.
 - ☞ “Winding paper forward” on page 48
- 2 Pull the bottom of the roll paper around the back of the reel core as shown below. Then tape the leading edge of the paper to the reel core in three places.



- 3 Press the ▼ button to feed the paper forward and create a loop of slack.
- 4 Set the **Manual** switch to **Backward** and hold it for a while to take up the roll paper for three or more revolutions of the take-up paper core.

After taking up the paper, ensure that there is adequate slack between the roll paper and the take-up reel core.



Paper Handling

Taking up your prints

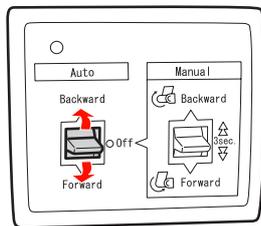
When the Auto Take-up Reel Unit is installed, and the take-up reel core is loaded with paper to take up in the desired direction, you can use the unit to take up your prints.



Warning:

Do not touch the Auto Take-up Reel Unit while it is operating. Doing so may result in injury.

- 1 Set the **Auto** switch to **Forward** or **Backward**.



- 2 Send a print job to the printer.

The printer starts printing. The Auto Take-up Reel Unit takes up the roll paper in the direction you set in step 1.

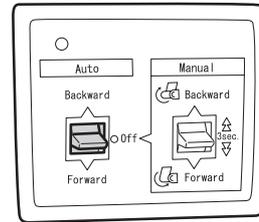
Note:

When printing by using the Roll Auto Cut On , set the **Auto** switch of the Auto Take-Up Reel Unit to **Off**, otherwise the printer does not cut the paper. You can set the **Auto** switch to **Off** during printing to cut the paper automatically.

Removing paper after take-up

After paper take-up, follow the steps below to remove the take-up reel core.

- 1 Set the **Auto** switch to **Off**.

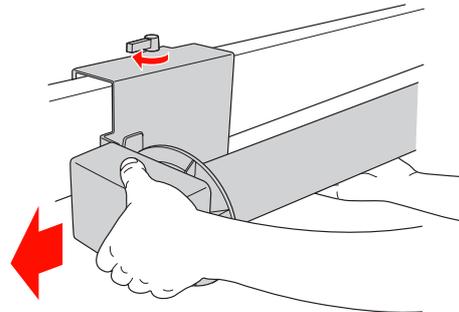


- 2 Cut the roll paper.

- Press the  button to cut the roll paper.
- If the roll paper cannot be cut with the built-in cutter, use a scissors or cutter sold at a store.

- 3 Turn the lever to unlock the movable unit, and then slide it to the left so that the flange knob clears the end of the take-up reel core.

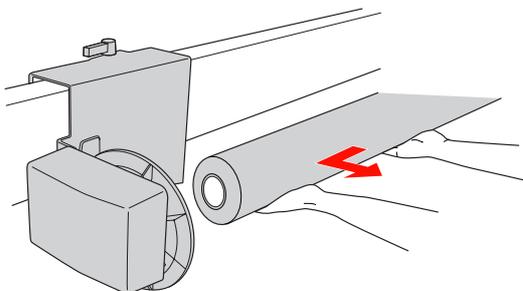
While doing this, support the take-up reel core with one hand to keep it from falling.



Paper Handling

- Remove the take-up reel core from the flange knob on the movable unit and the drive unit.

Caution:
The paper roll is heavy so have two people hold it by both ends of the paper roll.

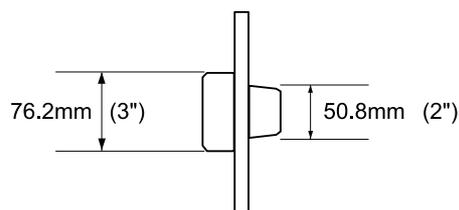


Using the core from a used paper roll as a take-up reel core

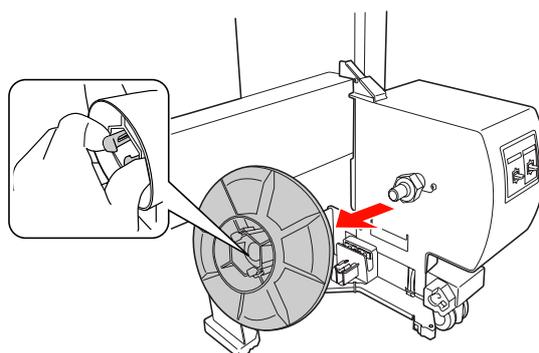
You can use a used paper roll as the take-up reel core.

Note:
If the paper roll core is deformed or damaged, it cannot be used as a take-up reel core.

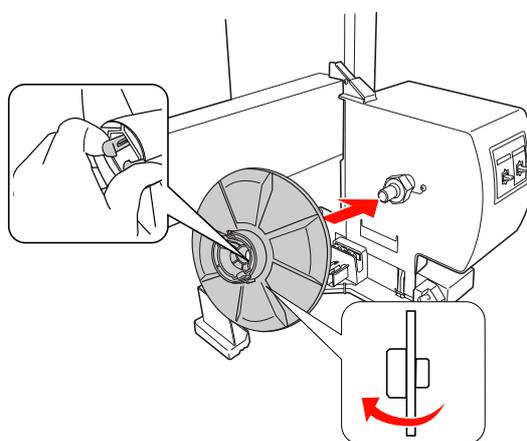
The installation of the flange to the Auto Take-up Reel Unit varies depend on the core size of the paper.



- Remove the flange by pinching the knob.

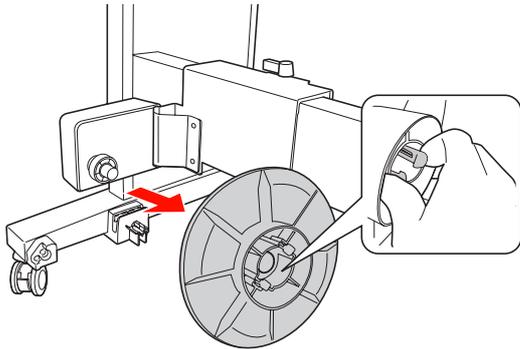


- Reverse the flange so that the smaller knob is positioned on the outside, then replace it on the drive unit by pinching the knob.

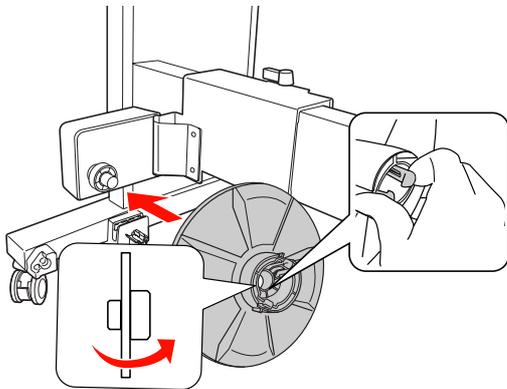


Paper Handling

- 3** Remove the flange by pinching the knob.



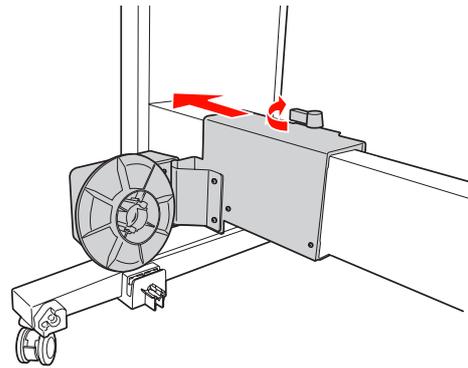
- 4** Reverse the flange so that the smaller knob is positioned on the outside, then replace it on the movable unit by pinching the knob.



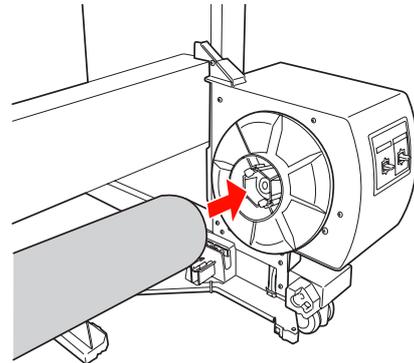
Installing a take-up reel core

The method of installing the take-up reel unit is the same for both 2-inch and 3-inch reel cores.

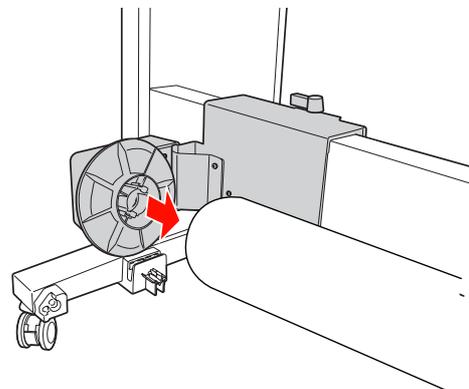
- 1** Make sure that the lock lever is released (turned to the left). Slide the movable unit to the left end of the horizontal strut.



- 2** Slip one end of the take-up reel core over the flanged knob on the drive unit.



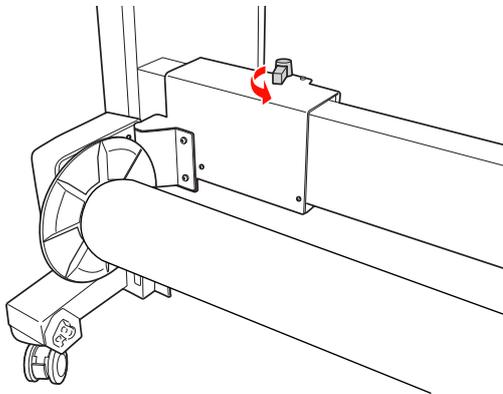
- 3** Insert the flanged knob on the movable unit into the other end of the take-up reel core.



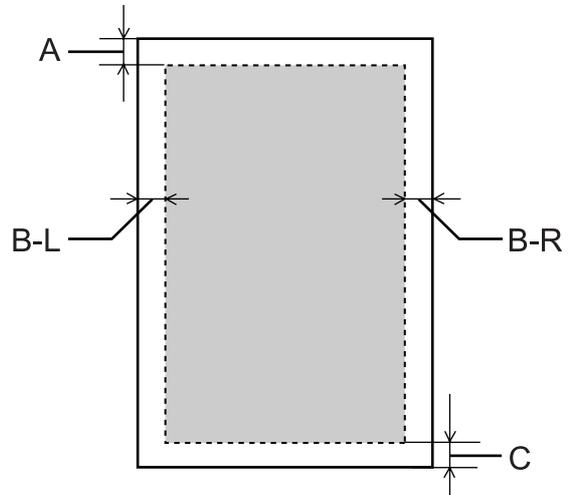
Paper Handling

- 4** Turn the lock lever to the front to lock the movable unit.

Make sure the take-up reel unit is locked properly and firmly.



Printable area



A	Roll paper	The minimum top margin is 3.0 mm (0.12")
	Cut sheets	The minimum top margin is 3.0 mm (0.12")
B-L	Roll paper	The minimum left margin is 0.0 mm (0")
	Cut sheets	The minimum left margin is 0.0 mm (0")
B-R	Roll paper	The minimum right margin is 0.0 mm (0")
	Cut sheets	The minimum right margin is 0.0 mm (0")
C	Roll paper	The minimum bottom margin is 3.0 mm (0.12")
	Cut sheets	The minimum bottom margin is 14.0 mm (0.55")

For roll paper, the following margin widths can be selected using the control panel.

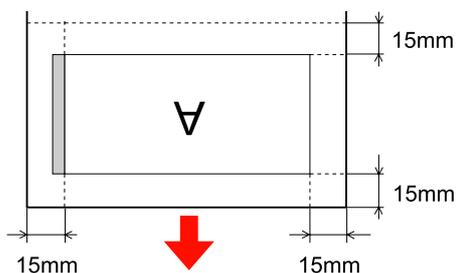
☞ See "PRINTER SETUP" on page 21

Paper Handling

Parameter	A	B-L	B-R	C
TOP/ BOTTOM 15mm	15mm	3mm	3mm	15mm
TOP35/ BOTTOM 15mm	35mm	3mm	3mm	15mm
15mm	15mm	15mm	15mm	15mm
3mm	3mm	3mm	3mm	3mm

Note:

- The print area does not change even when the margins are changed.
- The printer automatically detects the dimensions of the paper that is loaded. Print data that exceeds the printable area of the paper cannot be printed.
- When the same data is printed with a 3-mm margin and a 15-mm margin and compared, you may notice that part of the right side of the 15-mm margin image is not printed.



Basic Settings

Print Settings

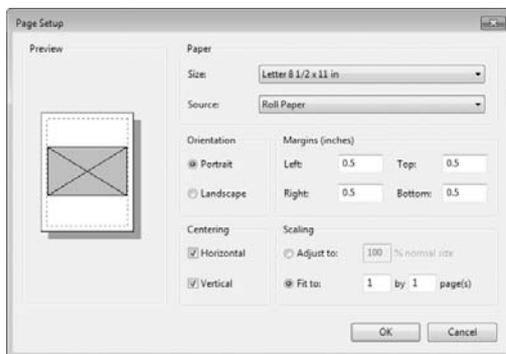
This section describes how to print your data from an application using the Epson printer driver.

Printing procedures (Windows)

Making the paper settings

- 1 Start your application.
- 2 From the File menu, select **Page Setup** (or the paper setting menu such as **Print**.)
- 3 Make the settings such as paper size in the Page Setup dialog box.

Example: Paint



Note:

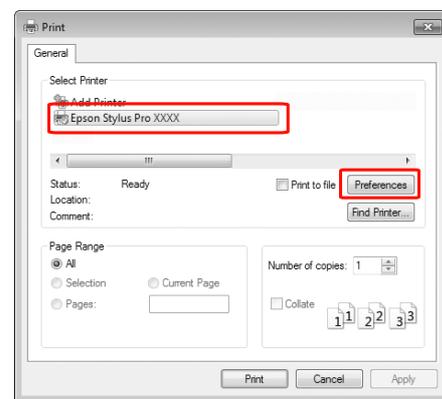
The dialog box may differ depending on the application. See its online help for the details.

- 4 Click **OK** to close the dialog box.
Then, create a print data.

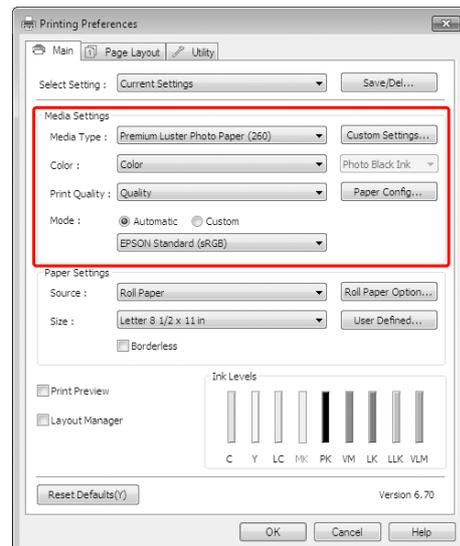
Making the printer driver settings

- 1 Turn on the printer, and set the paper in the printer.

☞ See "Paper Handling" on page 31
- 2 From the File menu, select **Print** or **Page Setup**.
- 3 Make sure your printer is selected, and click **Printer, Setup, Options, Properties,** or **Preferences**.



- 4 Select the media type, color, or print quality according to the paper loaded in the printer.

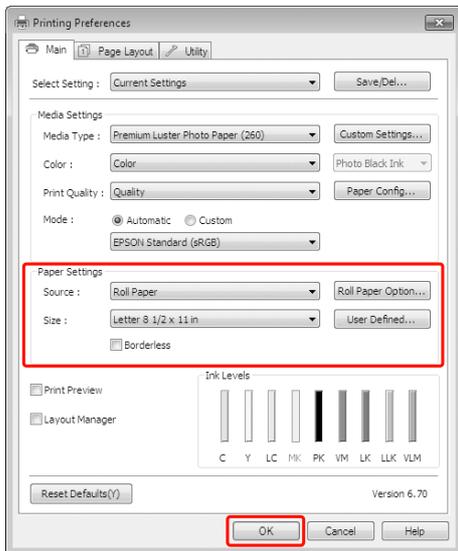


Basic Settings

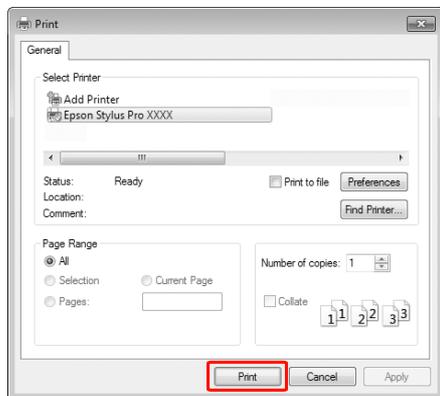
- 5** Select the paper source and paper size according to the paper loaded in the printer.

After making the settings, click **OK**.

Make sure to select the same paper size as you set in the application.



- 6** Click **Print**.



The progress meter appears on your display, and printing will be started.

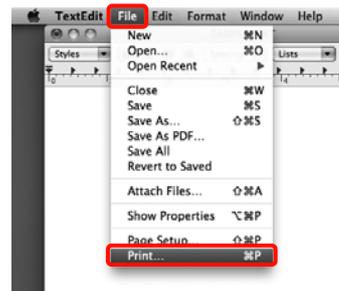
Printing procedures (Mac OS X)

- 1** Turn on the printer, and load the paper.

➤ See “Using Cut Sheet Media” on page 39

➤ See “Loading roll paper” on page 32

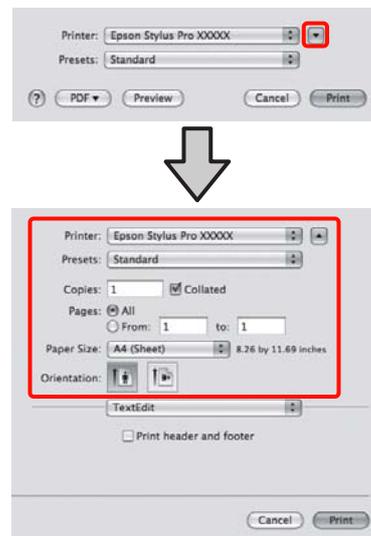
- 2** When you have created the data, from the **File** menu of the application, click **Print** and so on.



- 3** The print screen is displayed.

For Mac OS X 10.6 and 10.5, click the arrow (▼) to make settings on the Page Setup screen.

For Mac OS X v10.7, click **Show Details** at the bottom of the screen.

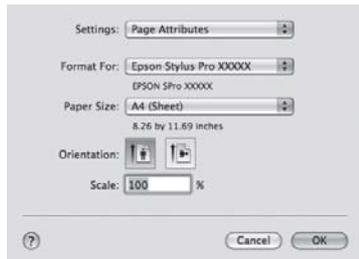


Basic Settings

Note:

When using Mac OS X 10.4, or if items on the Page Setup screen are not displayed on the Print screen due to the application being used in Mac OS X 10.7, 10.6, or 10.5, follow the steps below to display the Page Setup screen.

From the **File** menu of the application, click **Page Setup**.

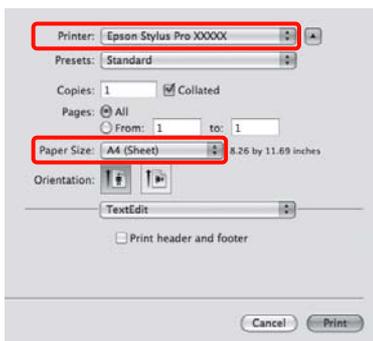


4 Check that this printer is selected, and then set the paper size.

In **Paper Size**, select either of the following depending on the loaded paper. XXXX is the actual paper size, such as A4.

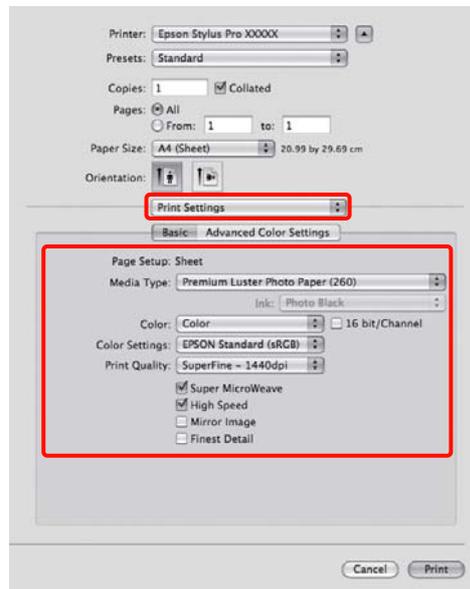
XXXX: Print with margins on roll paper. Prints using the margin set in **Roll Paper Margin** from the Menu. See “PRINTER SETUP” on page 21

XXXX (cut sheet): Print with margins on cut sheets. Margins are 3 mm on the top, left, and right, and 14 mm on the bottom.



When performing borderless or banner printing See “Borderless printing” on page 130, “Banner printing (on roll paper)” on page 147

5 Select **Print Settings** from the list, and then set each item.



Set the **Media Type**, **Color**, or **Print Quality** according to the paper feed method for the paper loaded in the printer (for cut sheets). Normally, you can print correctly just by setting items in the **Print Settings** screen.

6 When settings are complete, click **Print**.

Basic Settings

Selecting the paper size

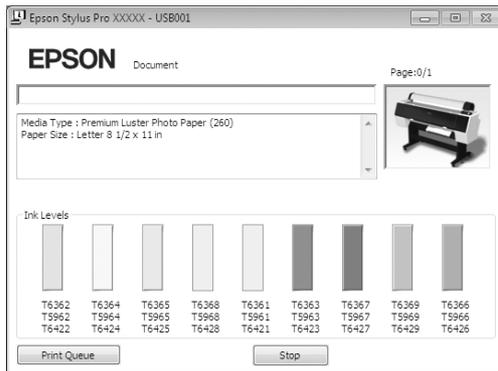
	Paper Size *XXXX is the paper size.	Explanation
Roll paper	XXXX Roll Paper - Banner	Select this size when using a banner printing application. This prints no margins on the top and bottom and a 3-mm margin on the right and left sides.
	XXXX Roll Paper - Borderless (Auto Expand)	Select this size when performing borderless printing on the roll paper. In the borderless printing for Auto Expand, the printer driver enlarges the size of print data 3 mm on both the right and left sides. You can change the amount of enlargement in the Expansion setting. The size of print data also enlarges on the top and bottom sides at an equal rate. This enlarges the size of print data automatically so that you can perform borderless printing easily. Enlarged areas that exceed the paper size will not be printed on the paper.
	XXXX Roll Paper - Borderless (Retain Size)	Select this size when performing borderless printing on roll paper. The printer driver prints without changing the ratio of the print data. It does not enlarge the image data. You need to enlarge 3 mm on both the left and right sides of the data by using the application that created it in advance.
	XXXX Roll Paper - Borderless Banner	Select this size when performing borderless printing by using an application that supports banner printing. The printer driver enlarges the print area 3 mm on both the left and right for the width of the paper. Since it does not enlarge the print data, the sizes on the top and bottom are printed at the size you created. However, you need to create the data exceeding 3 mm on both the right and left sides in advance. This setting has no margin on the top and bottom sides.
Cut sheet	XXXX Sheet - Borderless (Auto Expand)	Select this size when performing borderless printing on both the right and left sides of a single cut sheet. In the borderless printing for Auto Expand, the printer driver enlarges the size of print data 3 mm on both the right and left sides. You can change the amount of enlargement in the Expansion setting. The size of print data is also enlarged on the top and bottom sides at an equal rate. This enlarges the size of print data automatically so that you can perform borderless printing easily. Enlarged areas that exceed the paper size on both the right and left sides will not be printed on the paper. In addition, a 3-mm margin on the top and a 14-mm margin on the bottom appear.
	XXXX Sheet - Borderless (Retain Size)	Select this size when performing borderless printing on both the right and left sides of a single cut sheet. In Retain Size, the driver performs borderless printing without enlarge the print data. You need to create the data exceeding 3 mm on both the right and left sides in advance. While the margin sizes on the top and bottom are printed at the size you created, a 3-mm margin on the top and a 14-mm margin on the bottom appear.

Basic Settings

Checking the printer status

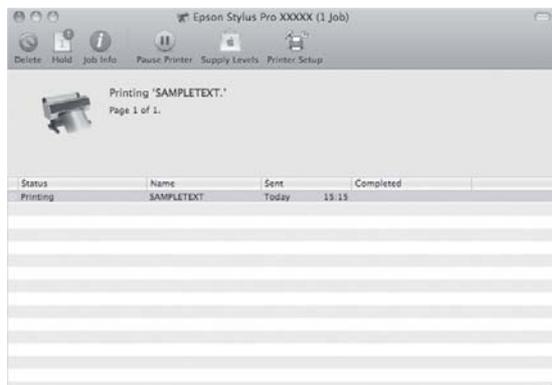
For Windows

The Progress Meter appears on your display when you start printing. It indicates the progress of the current print job and provides printer status information such as ink remaining and product number of the ink cartridges. Also, you can cancel a print job using Progress Meter.



For Mac OS X

The printer icon appears in the Dock. By clicking the printer icon, you can check the progress of the current print job and its printer status information. You can also cancel a print job.



When problem occurs during printing

For Windows

If a problem occurs during printing, an error message appears in the EPSON Status Monitor 3 window. Click **How to**, and EPSON Status Monitor 3 will lead you step by step through a procedure to solve a problem.



For Mac OS X

If an error occurs while printing, a  is displayed on the printer icon in the Dock. You can check the contents of the error by clicking the printer icon.



Basic Settings

Canceling Printing

There are a few ways to stop the print operation depending on the situation.

While sending data

Cancel using computer	Cancel using printer	Operation
✓	-	Select the data that you want to cancel using the computer.

While sending or printing data

✓	✓	<input type="checkbox"/> Even if you cancel printing using the computer, you cannot cancel a print job that has already been sent to the printer. Perform the cancel operation at the printer as well; otherwise, it may continue to print on the data stored in the printer. <input type="checkbox"/> Even if you cancel printing using the printer, you cannot cancel a print job that has been stored in the computer. Perform the cancel operation using the computer as well; otherwise, it may resend the data stored in the computer and will start printing after resetting the printer. <input type="checkbox"/> When you cancel the print job from the printer, the rest of the print jobs in the cue are also deleted.
---	---	---

While printing

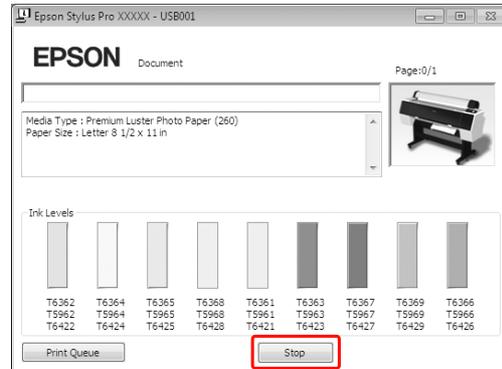
-	✓	All the jobs are deleted.
---	---	---------------------------

✓ : Available
 - : Not Available

Canceling printing using the computer (Windows)

When Progress Meter is displayed

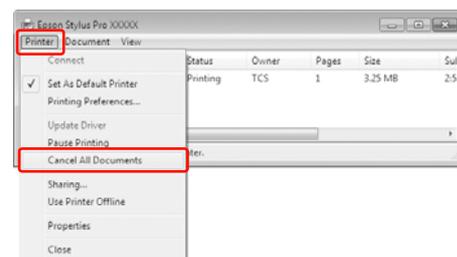
Click **Stop** on the EPSON Progress Meter dialog box.



When the Progress Meter is not displayed

- 1 Double-click the printer icon on the task bar.
- 2 Select the job you want to delete, and then select **Cancel** from the Document menu.

When you want to delete all the jobs, select **Cancel all documents** from the Printer menu.



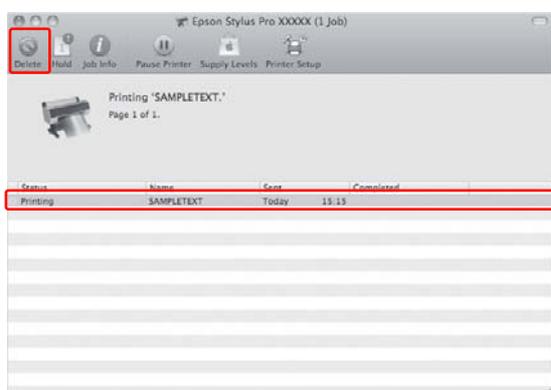
If the job has been sent to the printer, the print data does not appear in the dialog box above. In this case, cancel the print job using the printer.

Canceling printing using the computer (Mac OS X)

- 1 Click the Printer icon in the Dock.



- 2 Select the job you want to delete, and then click the **Delete** button.



If the job has been sent to the printer, the print data does not appear in the dialog above. In this case, cancel the print job using the printer.

Canceling printing using the printer

Press the **||** button to select **JOB CANCEL**, and then press the **OK** button.

Even when it is printing a job, the printing is canceled. After canceling the job, it takes a while before the printer is in the **READY** state.

Note:

You cannot cancel a job spooling in the computer. To cancel a job spooling in the computer, see the section "Canceling printing using the computer (Windows)" on page 60 or "Canceling printing using the computer (Mac OS X)" on page 61.

Changing the Black Ink

Both Photo and Matte Black ink are installed in this printer.

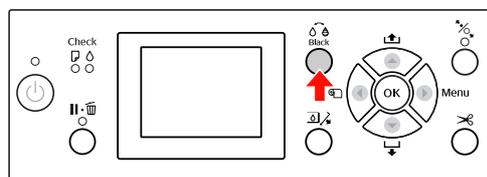
Photo Black ink can be used for photo papers with professional quality results. Matte Black ink significantly increases black optical density when printing on matte and fine art type papers.

See the following section for the suitable black ink for the media type.

☞ See "Paper Information" on page 160

To switch the black ink, press the **Black** button on the printer's control panel.

To change the black ink from Photo Black to Matte Black, it takes about two minutes and consumes approximately 1.2 ml of ink. To change the black ink from Matte Black to Photo Black, it takes about three minutes and consumes approximately 3.4 ml of ink. Therefore, we recommend performing the printing in a planned manner to avoid consuming the ink needlessly.



Follow the steps below to select the black ink when the media type supports both Photo and Matte Black ink.

- 1 Set **CHANGE BLACK INK** to **AUTO** in the Menu.

If **CHANGE BLACK INK** is set to **AUTO**, you can automatically switch black ink from the printer driver.

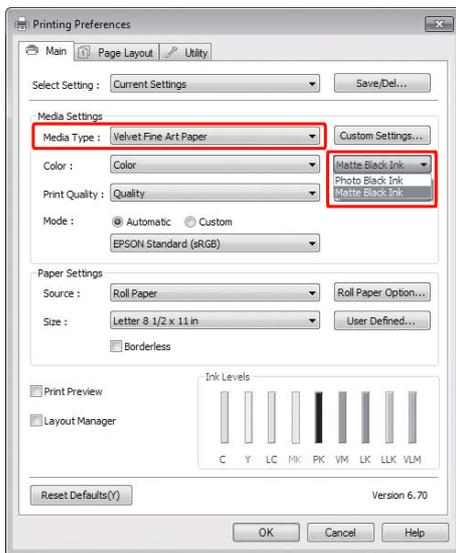
The factory setting is **MANUAL**. ☞ See "PRINTER SETUP" on page 21

Basic Settings

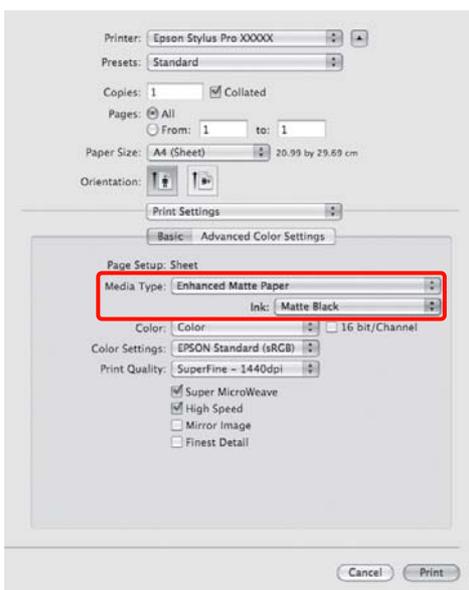
- 2 Open the **Main** menu (Windows) or the Print Settings dialog (Mac OS X).
- 3 After selecting the paper type from **Media Type**, select the black ink you want to use.

When the paper selected in **Media Type** is only designed for a certain type of black ink, you cannot change the type of black ink. Select the type of black ink that supports the paper in advance from the printer's control panel.

Windows



Mac OS X



- 4 Check the other settings, and then start printing.

Options and Consumable Products

Options and Consumable Products

The following consumable products are available for use with your printer (as of August, 2010).

For the latest information, see the Epson Web site.

Name		Product Code						Explanation
Epson special media	See the following section for media. ☞ "Paper Information" on page 160							
Ink cartridges	(Color)	Epson Stylus Pro 7890/9890			Epson Stylus Pro 7908/9908			Epson recommends the use of genuine Epson ink cartridges. Epson cannot guarantee the quality or reliability of non-genuine ink. The use of non-genuine ink may cause damage that is not covered by Epson's warranties, and under certain circumstances, may cause erratic printer behavior. Information about non-genuine ink levels may not be displayed. See the following section to replace the ink cartridge. ☞ "Replacing ink cartridges" on page 70
		150ml	350ml	700ml	150ml	350ml	700ml	
	Cyan	T6422	T5962	T6362	T6822	T5972	T6372	
	Yellow	T6424	T5964	T6364	T6824	T5974	T6374	
	Light Cyan	T6425	T5965	T6365	T6825	T5975	T6375	
	Matte Black	T6428	T5968	T6368	T6828	T5978	T6378	
	Photo Black	T6421	T5961	T6361	T6821	T5971	T6371	
	Vivid Magenta	T6423	T5963	T6363	T6823	T5973	T6373	
	Light Black	T6427	T5967	T6367	T6827	T5977	T6377	
	Light Light Black	T6429	T5969	T6369	T6829	T5979	T6379	
Vivid Light Magenta	T6426	T5966	T6366	T6826	T5976	T6376		
Maintenance Tank	C12C890191						See the following section to replace the maintenance tank. ☞ "Replacing the Maintenance Tank" on page 72	
Auto Cutter Spare Blade	C12C815331						See the following section to replace the cutter. ☞ "Replacing the Cutter" on page 73	
Roll Paper Belt	C12C890121							

Options and Consumable Products

Name	Product Code	Explanation
Auto Take-up Reel Unit (for Epson Stylus Pro 9890/9908)	C12C815321	Auto Take-up Reel Unit is for Epson Stylus Pro 9890/9908 only. You cannot use with Epson Stylus Pro 7890/7908. See the <i>Auto Take-up Reel Unit Setup Guide</i> for installing it. See the following section to use Auto Take-up Reel Unit. ☞ "Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)" on page 47
SpectroProofer Mounter 44" (for Epson Stylus Pro 9890/9908)	C12C890521	See the <i>SpectroProofer Mounter 24"/44" Setup Guide and User's Guide</i> for details.
SpectroProofer Mounter 24" (for Epson Stylus Pro 7890/7908)	C12C890531	
Roll Media Adapter	C12C811241	See the following section for details. ☞ "Using Roll Paper" on page 32

Note:

- ☐ When using the USB connection and a USB hub, we recommend that you connect the printer to the first hub connected directly to the computer. Also, some hubs may cause unstable operation. If problems occur, connect the printer directly to the USB port of the computer.
- ☐ When using an Ethernet connection, use a LAN cable. When using a 100BASE-TX STP (shielded twisted-pair) cable, it should be Category 5 or higher.

Maintenance

Daily Maintenance

Instructions for placing the printer

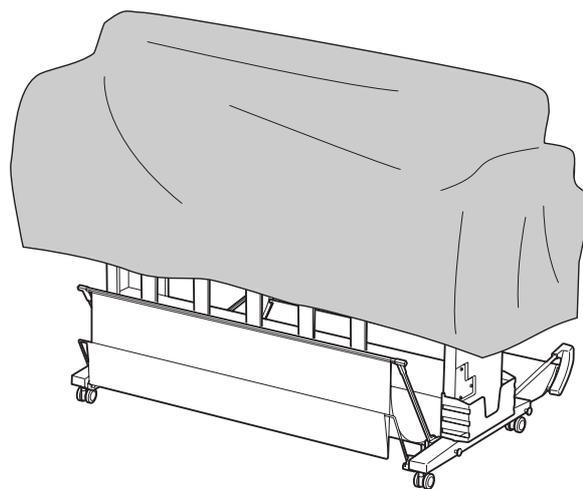
Observe the following when setting up the printer:

- ❑ Choose a flat and stable location that can support the printer weight (about 135 kg for Epson Stylus Pro 9890/9908 and 101 kg for Epson Stylus Pro 7890/7908).
- ❑ Use only an outlet that meets the power requirements of this printer.
- ❑ Leave enough room for easy operation, maintenance, and ventilation.
➡ See "Choosing a place for the printer" in the *Setup Guide*
- ❑ Operate the printer under the following conditions (temperature is 10 to 35°C and humidity is 20 to 80%).

Even when the conditions above are met, you may not print properly if the environmental conditions are not proper for the paper. Be sure to use the printer where the paper conditions are met. See the handling instructions of the paper for more detailed information. Keep the printer away from drying, direct sunlight, or heat sources to maintain the appropriate humidity.

Notes for when you are not using the printer

The print head nozzles are very small, thus, they can become clogged easily if dust gets on the print head. To avoid this, close the roll paper cover or the front cover when you are not using the printer. If you are not using the printer for a long time, put a non-static cloth on the printer to avoid getting dust on the printer.



Instructions for using paper

Notes for handling paper

See the instructions below and the handling instructions of the paper for more details.

- ❑ Use Epson special media under the following conditions (temperature is 15 to 25°C and humidity is 40 to 60%).
- ❑ Do not bend the paper or scratch on the surface of the paper.
- ❑ Keep fingers off the printable surface of the media, as fingerprints may reduce the print quality.
- ❑ Set the roll paper by handling the edges of the roll paper. Whenever possible, use gloves to handle media.
- ❑ The paper may bend if the temperature and humidity will change rapidly. Be careful not to bend or soil the paper, and flatten it before setting it in the printer.

Maintenance

- Do not lose the paper package so you can use it for storing the paper.

Notes for after printing

See the instructions below for after printing.

- Do not touch the surface of the print; otherwise, the ink may smudge.
- Do not rub or scratch the print; otherwise, the ink may come off.
- Be careful not to bend or pile paper on top of another, and dry it completely. The color may be changed where the paper is piled. If you leave paper lying on top of another, the scratches may stay on the paper even after the paper dries.
- If you put the prints on the album before they dry, they may be blurred. After you print, be sure to dry the paper completely.
- Do not use a dryer for drying the print.
- Avoid direct sunlight.
- See the instructions of the paper for keeping the color from fading. The print can keep the color for a long time if you store it properly.

Note:

Typically, prints and photos fade over time (change color) due to the effects of light and various constituents in the air. This also applies to Epson special media. However, with the correct storage method, the degree of color change can be kept to the minimum.

- See the instructions of the Epson special media for detailed information on handling the paper after printing.*
- The colors of photos, posters, and other prints appear differently under different lighting conditions (light sources*). The colors of prints from this printer may also appear differently under different light sources.*
* *Light sources include sunlight, fluorescent light, incandescent light and other types.*

Notes for storing the paper

See the instructions below and the handling instructions of the paper for more details.

- Avoid locations that are subject to direct sunlight, excessive heat, or moisture.
- Keep the paper in the package, and keep it on a flat place.
- Remove the roll paper that is not in use from the printer. Roll it properly and then store it in the original package of the roll paper. If you leave the roll paper in the printer, its quality will deteriorate.
- Do not wet the paper.
- Store prints in a dark place to avoid direct sunlight, excessive heat, and moisture to keep the printed color.

Replacing Ink Cartridges

Note:

When you replace the ink cartridges while the printer is turned off, the remaining ink cannot be detected correctly so the ink may become unusable before the Ink Check light comes on and you cannot print correctly. Follow the steps below to replace an ink cartridge.

When ink needs to be replaced/When ink gets low

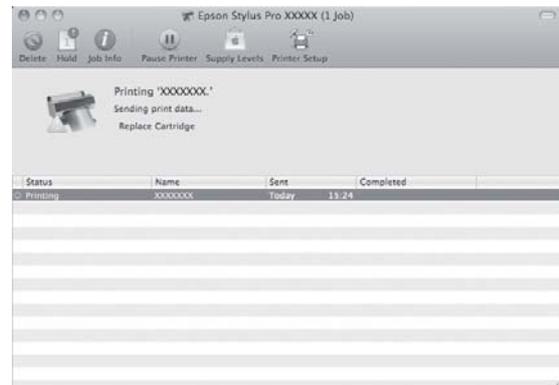
When the Ink Check light is flashing, this indicates that the ink level is low. If EPSON Status Monitor is installed, a message appears on the computer's display that tells you the ink is low. If the ink is low, you need to replace the ink cartridge as soon as possible. You cannot continue to print even if only one of the ink cartridges is expended. If an ink cartridge runs out while printing, replace it with a new one so the printer can continue to print.

Windows



Click **How to** to see the instructions on replacing an ink cartridge.

Mac OS X



Confirming the ink cartridge remaining

Using the printer's control panel

The remaining ink in the cartridges is always displayed on the LCD panel.

☞ See “Display” on page 14

You can check the accurate amount of ink remaining in the **PRINTER STATUS** menu. You need to check the amount of ink remaining before printing a lot of data. If there is a low ink cartridge, prepare a new one.

☞ See “Using the Menu mode” on page 16

☞ See “PRINTER STATUS” on page 24

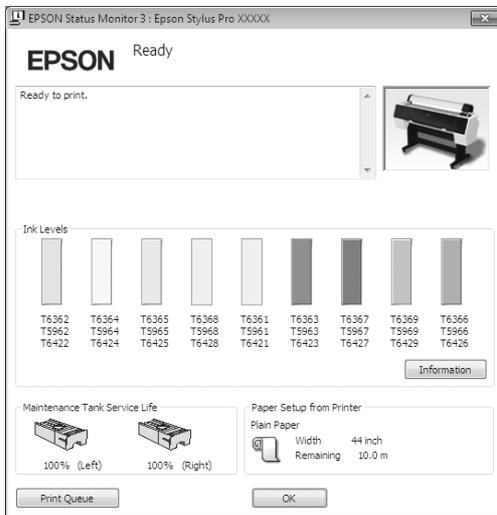
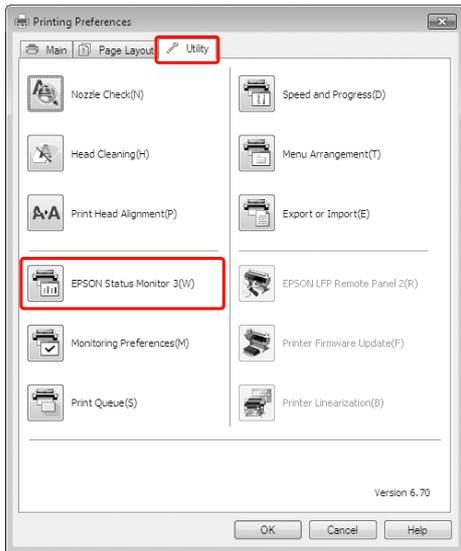
Maintenance

Using the printer driver

You can check the amount of ink remaining on your computer by using EPSON Status Monitor.

For Windows

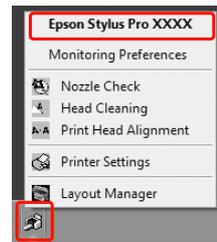
Open the printer driver window, and click the **Utility** tab, and then click **EPSON Status Monitor 3**.



Note:

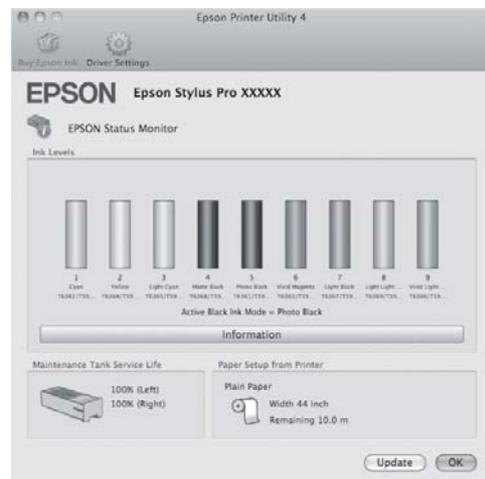
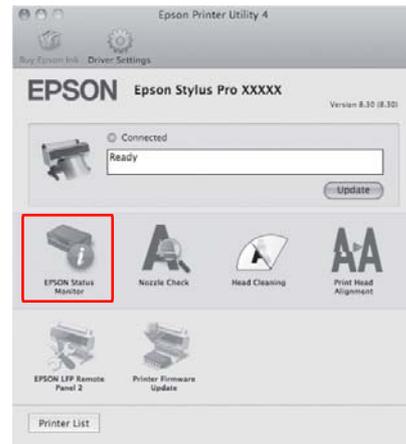
In the Monitoring Preferences dialog box, select the **Shortcut Icon** check box to display a shortcut icon on your Windows taskbar. Right-click the shortcut icon, and select the printer name to display the EPSON Status Monitor 3 dialog box.

See "Summary of the Utility Tab" on page 116



For Mac OS X

Open the Epson Printer Utility 4 dialog, and then click **EPSON StatusMonitor**.



About ink cartridges

Be sure to use the ink cartridges that are supported with this printer.

☞ See "Options and Consumable Products" on page 63

Note:

A protection system is provided to prevent improper cartridge insertion. If you cannot insert the ink cartridge smoothly, the type of cartridge may be incorrect. Check the package and product code.

Notes for handling the ink cartridges

- ❑ When **INK LOW** appears on the LCD panel, replace the cartridges with a new one as soon as possible to avoid ink to being expended while printing.
- ❑ We recommend storing ink cartridges at normal room temperature, and to use them by the expiry date printed on the cartridge packaging.
- ❑ Use up the ink cartridge within six months of installation for best results.
- ❑ If you move the ink cartridge from the cold place to warm place, condensation may occur. Leave it at room temperature for more than four hours before using the ink cartridge.
- ❑ Do not use an ink cartridge beyond the date printed on the cartridge carton. If you use an ink cartridge beyond the expiry date, it may affect the print quality.
- ❑ Store ink cartridges under the same condition as the printer.
- ❑ Do not touch the ink supply port or its surrounding area. The ink may leak from it.
- ❑ Do not touch the green IC chip on the side of the ink cartridge. Doing so may affect normal operation and printing.
- ❑ Because the green IC chip has the cartridge's own information and the ink remaining information, you can still use the ink cartridge after pulling out the ink cartridge from the printer.
- ❑ Do not disassemble or remodel the ink cartridge, otherwise you may not be able to print normally.
- ❑ Do not drop or knock it against hard objects; otherwise, the ink may leak.
- ❑ Although nothing may be printed, the printer uses ink from all cartridges during head cleaning and other maintenance operations to keep the print heads in good condition.
- ❑ Although the ink cartridges may contain recycled materials, this does not affect product function or performance.

Notes for replacing the ink cartridges

- ❑ Shake an ink cartridge horizontally well (about 5 seconds) before installing it for best results.
- ❑ Do not leave the printer without ink cartridges installed. If the print head (nozzles) dries, you may not be able to print. Leave ink cartridges in all slots even while you do not use the printer.
- ❑ Install an ink cartridges into each slot. You cannot print if any of the slots are empty.
- ❑ Make sure that the printer is turned on when you replace an ink cartridge. If you replace cartridges while the power is off, the amount of ink remaining may not be detected correctly, and you cannot print before the Ink Check light turns on.
- ❑ Removed ink cartridges may have ink around the ink supply port, so be careful not to get any ink on the surrounding area.
- ❑ To ensure you receive premium print quality and to help protect your print head, a variable ink safety reserve remains in the cartridge when your printer indicates to replace the cartridge.

Notes for storing the ink cartridges

- ❑ Store ink cartridges under the same condition as the printer (temperature is 10 to 35°C and humidity is 20 to 80%).
- ❑ Ink cartridges that are removed before ink end is detected can be reinstalled in the printer and used again if the expiry date printed on the ink cartridge packaging has not passed.

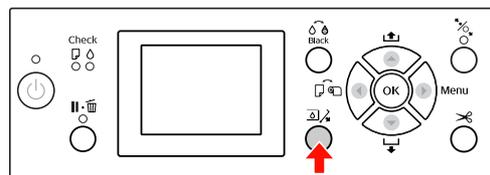
Maintenance

- ❑ Avoid getting dirt on the ink system port and store the ink cartridge properly. You do not need to put the ink cartridge in the package. The ink system port has a valve in it so you do not need to put a cap on it; however, be careful not to tamper with the ink system port.

Replacing ink cartridges

1 Make sure the printer is on.

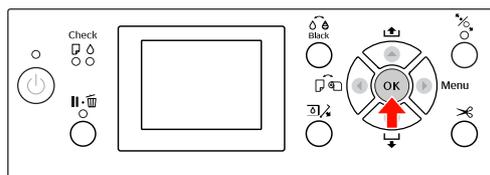
2 Press the  button.



Note:

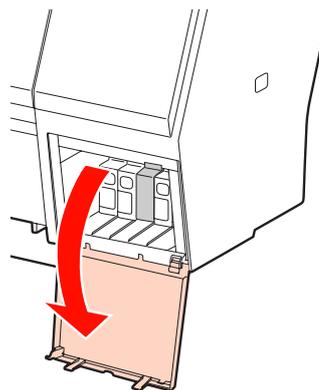
The  button is not available while printing or cleaning.

3 Select the cover that the target ink cartridge is set, and then press the OK button.



The ink cover is unlocked and slightly opened.

4 Open the ink cover by hand fully.

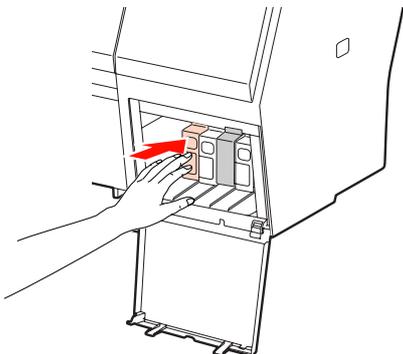


Note:

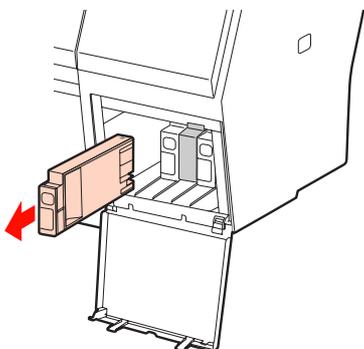
Do not open the cover until it is unlocked.

Maintenance

- 5** Push the expended cartridge so the cartridge is slightly pushed out.



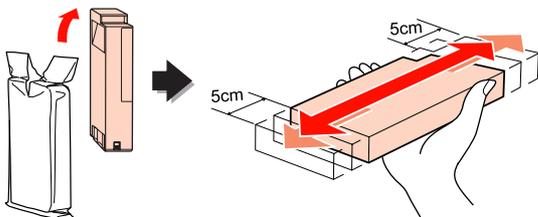
- 6** Carefully pull the expended cartridge straight out of the slot.



Warning:

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.

- 7** Remove the new cartridge from the package, shake the ink cartridge at least 15 times horizontally in approximately 5 cm movements as shown in the illustration.

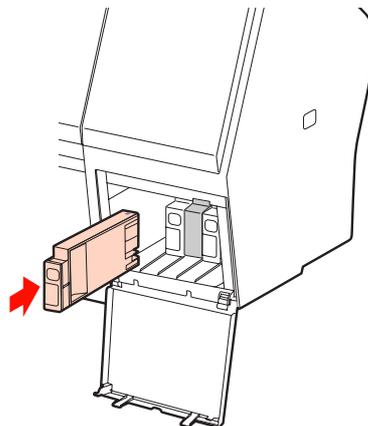


Caution:

Do not touch the green chip on the side of the cartridge. Doing so may prevent normal operation and printing.

- 8** Hold the ink cartridge with the arrow mark facing up and pointing to the rear of the printer, and then insert it into the slot as far as it will go until it clicks.

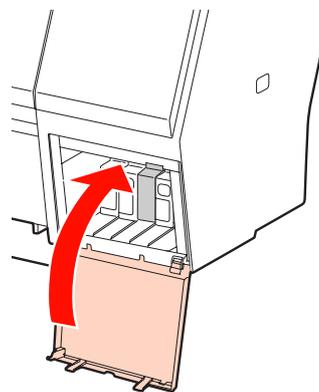
Match the ink cartridge color with the color label on the back side of the ink cover.



Note:

Be sure to install all nine ink cartridges. You cannot print if any of the ink cartridges is not installed.

- 9** Close the ink cover.



Replacing the Maintenance Tank

The maintenance tank absorbs ink discharged when cleaning the print head. There are two maintenance tanks placed on the left and right for Epson Stylus Pro 9890/9908 and one placed on the right for Epson Stylus Pro 7890/7908. You need to replace the maintenance tank when the LCD panel instructs to do so.

Confirming the free space of the maintenance tank

Using the printer's control panel

The free space of the maintenance tank is always displayed on the LCD panel.

➤ See "Display" on page 14

You can check the free space in the **PRINTER STATUS** menu. You need to check it before printing a lot of data. If the maintenance tank has not enough empty space, prepare a new one.

➤ See "Using the Menu mode" on page 16

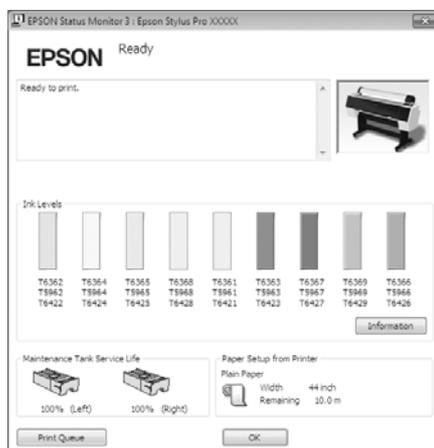
➤ See "PRINTER STATUS" on page 24

Using the printer driver

You can check the free space of the maintenance tank on your computer by using EPSON Status Monitor.

The instructions are the same as confirming the ink cartridge remaining.

➤ See "Using the printer driver" on page 68



Replacing the maintenance tank

Be sure to use a maintenance tank that is supported with this printer.

➤ See "Options and Consumable Products" on page 63



Caution:

Do not replace the maintenance tank while printing data.

1

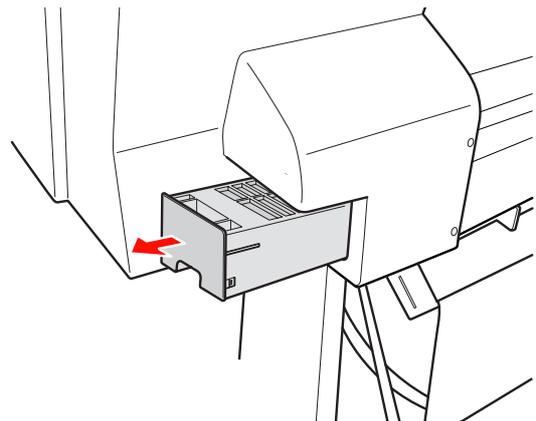
Turn off the printer.

2

Take a new maintenance tank out of the package.

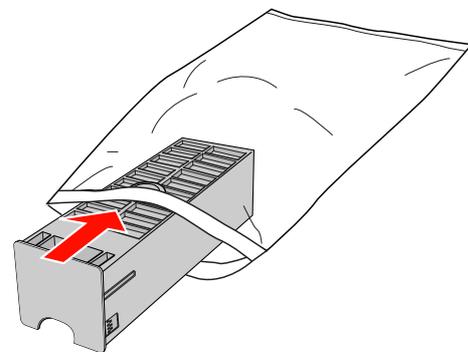
3

Put your hand on the handle of the maintenance tank, then gently pull it straight out.



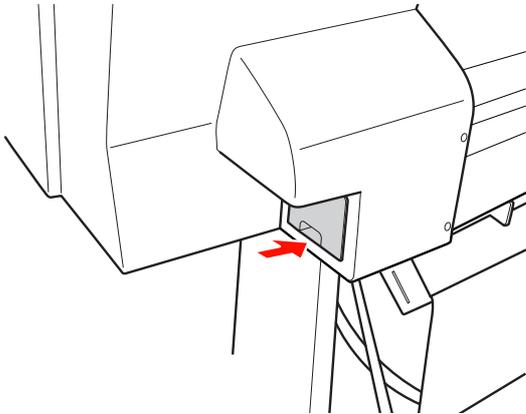
4

Put the used maintenance tank in the plastic bag provided with the replacement cartridge, and dispose of it properly.



Maintenance

- 5** Insert the new maintenance tank into place as far as it will go.



Caution: Do not touch the green chip on the side of the maintenance tank. Doing so may prevent normal operation.

- 6** For Epson Stylus Pro 9890/9908, repeat step 3 to 5 to replace the maintenance tank on the other side.

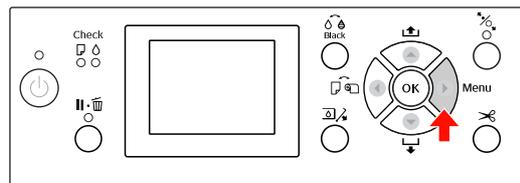
Replacing the Cutter

When the paper cutter does not cut cleanly, it may be dull and require replacement. See the following section for the product code of the paper cutter that is supported with this printer.

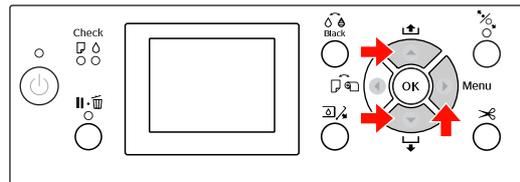
➔ See “Options and Consumable Products” on page 63

Caution: Take care not to damage the cutter blade. Dropping it or knocking it against hard objects may chip the blade.

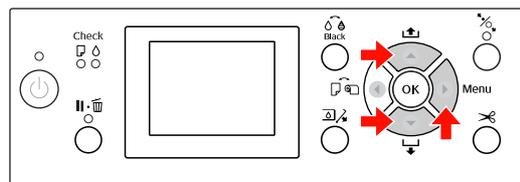
- 1 Make sure the printer is on.
If paper is loaded, remove it from the printer.
- 2 Press the **▶** button to enter the Menu mode.



- 3 Press the **▲ / ▼** button to select **MAINTENANCE**, and then press the **▶** button.



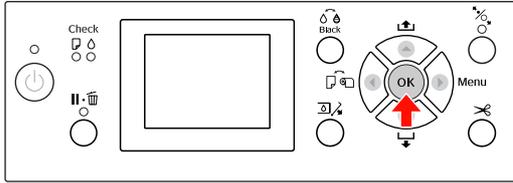
- 4 Press the **▲ / ▼** button to select **CUTTER REPLACEMENT**, and then press the **▶** button.



Maintenance

- 5** Press the OK button.

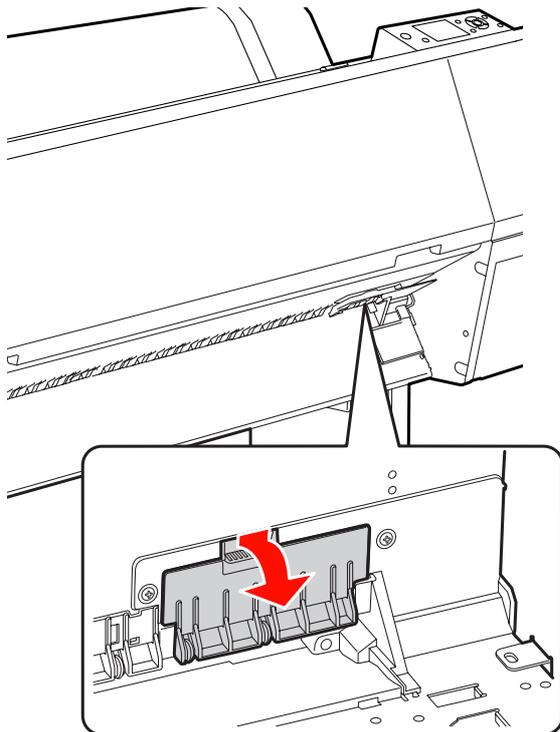
The paper cutter holder stops at the replacement position.



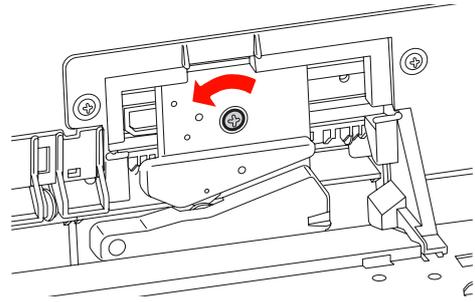
- 6** If the optional SpectroProofer Mounter is attached to the printer, remove it from the printer and then turn off the printer.

See the *SpectroProofer Mounter 24"/44" User's Guide* for details on removing it from the printer.

- 7** To remove the cover, lower it with the knob, and pull it low.

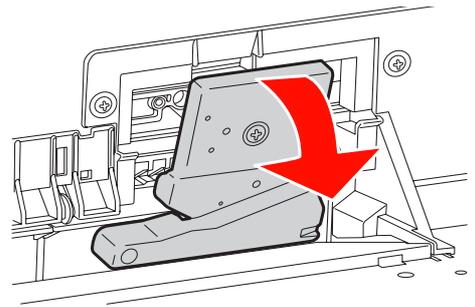


- 8** Screw down the cutter with a screwdriver.



- 9** Carefully remove the old cutter from the printer.

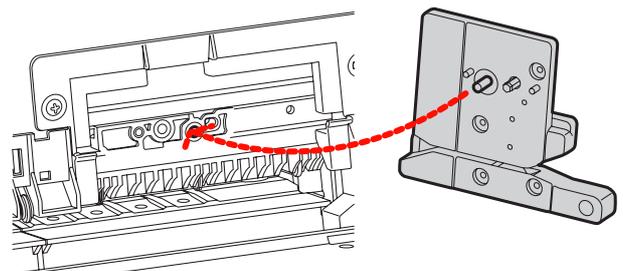
Warning: Take care not to hurt yourself with the blade of the cutter. Do not let children touch the blade.



Note: Put the used cutter in a bag or the like, and dispose of it in accordance with local regulations.

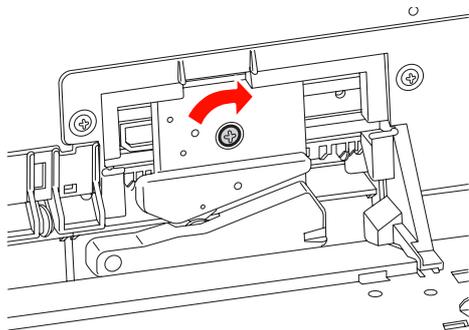
- 10** Take the new paper cutter out of the package and insert it as shown.

Install the cutter into the cutter holder, setting the pin of the cutter to the hole of the holder.



Maintenance

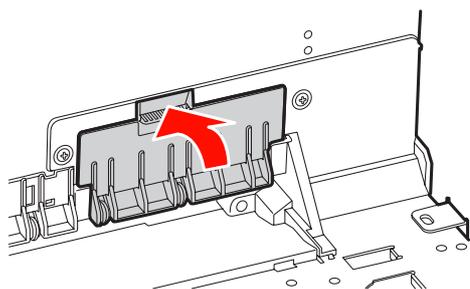
- 11** Screw up the cutter firmly with a cross head screwdriver.



Note:

Screw up the cutter firmly, otherwise the cut position may be slightly shifted or skewed.

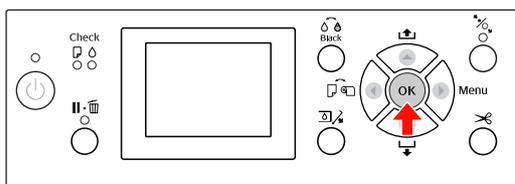
- 12** Align the downside of the cover and the cutter holder, and then press the cover firmly until it clicks.



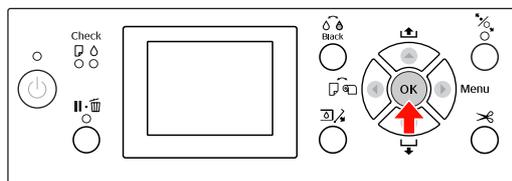
- 13** Install the SpectroProofer Mounter if it was attached, and then turn the printer on.

The cutter holder moves to the home position. If the SpectroProofer Mounter is installed, the following operation (step 14 to 15) is not necessary.

- 14** Press the OK button.



- 15** Make sure the cover is installed, and press the OK button.



Adjusting the Print Head

You may need to adjust the print head if white lines appear in your printed data or if you notice the print quality has declined. You can perform the following printer maintenance functions for maintaining the print head in consistently good condition to ensure the best print quality.

Manual cleaning function

You can perform cleaning manually according to the print quality.

Functions	Printer driver	Printer	Explanation
Nozzle check	✓	✓	Checks the print head nozzles for clogging by printing a nozzle check pattern.
Head cleaning	✓	✓	Cleans the print head to improve the print quality. You can select the print head to be cleaned.
Power cleaning	—	✓	Cleans the print head more effectively than normal head cleaning. Power cleaning process consumes more ink than head cleaning. When you perform power cleaning, make sure that enough ink is remaining. Otherwise, prepare a new ink cartridge.

Auto cleaning function (Auto maintenance function)

Function	Explanation
AUTO NOZZLE CHECK	The printer performs a nozzle check and if there are missing dots, it performs cleaning automatically.
Capping	Put a cap on the print head to keep it from drying.

Print head alignment function

Functions	Printer driver	Printer	Explanation
Print head alignment	✓	✓	Aligns the print head when misaligned lines appear on the printed data.

Nozzle check

This function checks the print head^{*1} nozzles^{*2} for clogging by printing a nozzle check pattern. Perform head cleaning if you find that the nozzle check pattern is unexpectedly faint or has missing dots in the nozzle check pattern.

By using the **AUTO NOZZLE CHECK** function, the printer performs a nozzle check without printing a pattern and if there are missing dots, it performs cleaning automatically.

*¹ Print head: The part that prints by spraying ink onto the paper.

*² Nozzle: A minute hole for spraying ink. It is positioned where it cannot be seen from the outside.

You can perform nozzle check from:

- Printer driver
- Printer's control panel

Note:

You cannot perform a nozzle check when the Ink Check light is on.

Checking the print head nozzles using the printer driver

This section explains how to check the print head nozzle using the Window printer driver.

Use Epson Printer Utility 4 for Mac OS X.

➤ See "Starting Epson Printer Utility 4" on page 119

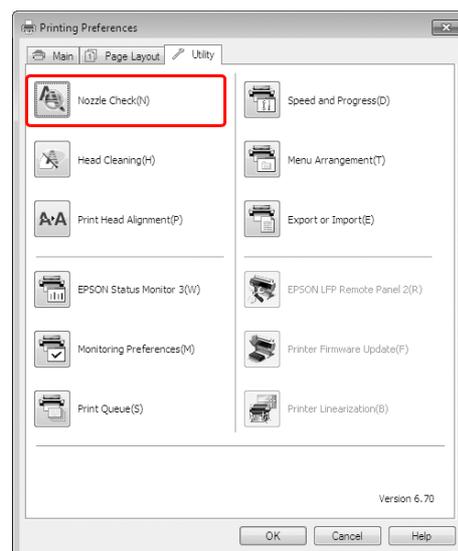
- 1** Make sure that roll paper or A4/Letter size or larger is loaded in the printer.

Select the correct paper source according to the paper.

➤ See "Paper Handling" on page 31

- 2** Open the Utility menu of the printer driver.

- 3** Click **Nozzle Check**.



- 4** Click **Print**.

The nozzle check pattern is printed.

- 5** Check if there are missing dots on the nozzle check pattern.

If there are no missing dots, click **Finish**.
If there are missing dots, click **Clean**.

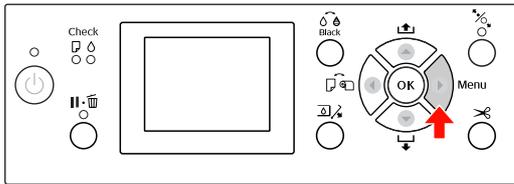
After printing a nozzle check pattern, make sure that the nozzle check pattern printing is complete before starting to print your data or cleaning the print head.

Checking the print head nozzles using the printer's control panel

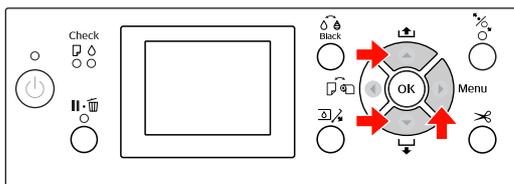
- 1 Make sure that roll paper or A4/Letter size or larger is loaded in the printer.

Select the correct paper source according to the paper.
☞ See "Paper Handling" on page 31

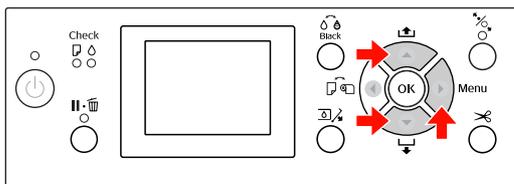
- 2 Press the **▶** button to enter the Menu mode.



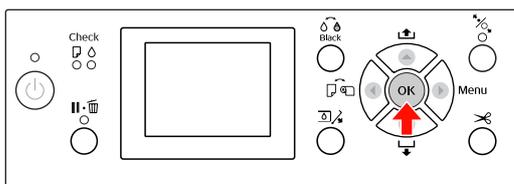
- 3 Press the **▲ / ▼** button to display **TEST PRINT**, and then press the **▶** button.



- 4 Press the **▲ / ▼** button to display **NOZZLE CHECK**, and then press the **▶** button.

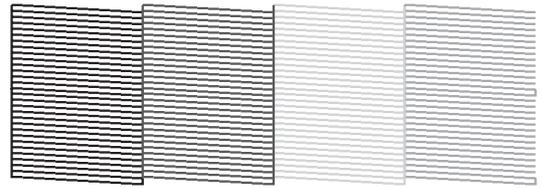


- 5 Press the **OK** button to start printing a nozzle check pattern.



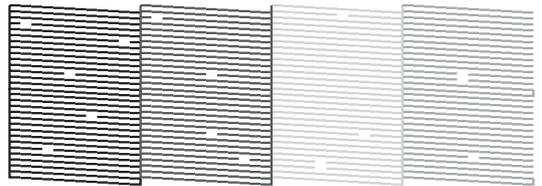
- 6 Check the nozzle check pattern.

Good



There are no missing dots so the nozzles are not clogged.

Bad



There are missing dots so the nozzles are clogged. Perform head cleaning.
☞ See "Head cleaning" on page 79

Head cleaning

If you find that the printed data is unexpectedly faint or dots in the printed data are missing, you may be able to solve these problems by using the Head Cleaning utility to clean the print head, which ensures that the nozzles are delivering ink properly.

You can perform head cleaning from:

- Printer driver
- Printer's control panel

Note:

- The cleaning process consumes ink of all ink cartridges at the same time. Even if you are using only black inks, the head cleaning also consumes color inks.
- You do not need to perform head cleaning unless the printed data is blurred or the color of the image is not good.
- After cleaning the print head, print a nozzle check pattern to check if it is printed correctly.
- When the Ink Check light is flashing or on, you cannot clean the print head. Replace the ink cartridge with a new one first. (If the ink enough remains for the head cleaning, you may perform head cleaning using the printer's control panel.)
See "Replacing Ink Cartridges" on page 67
- When repeating head cleaning in a short time period, the maintenance tank may be nearing the end of its service life quickly due to minimal ink evaporation in the tank.

Cleaning the print head using the printer driver

This section explains how to clean the print head using the Window printer driver.

Use Epson Printer Utility 4 for Mac OS X.

See "Starting Epson Printer Utility 4" on page 119

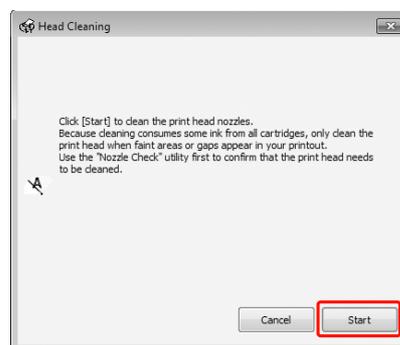
1 Open the Utility menu of the printer driver.

2 Click **Head Cleaning**.



3 Click **Start**.

The head cleaning starts and it takes about 2 to 13 minutes.



Maintenance

- 4** Click **Print Nozzle Check Pattern** in the Head Cleaning dialog box.

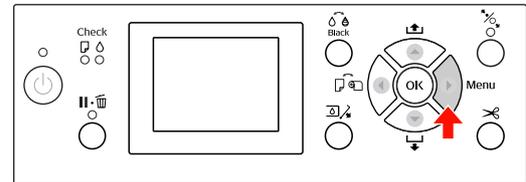
Confirm the nozzle check pattern.

☞ See “Nozzle check” on page 77

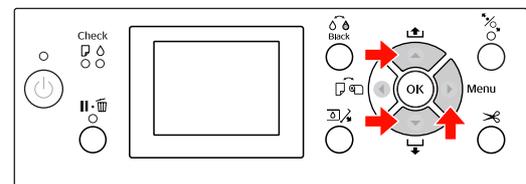


Cleaning the print head using the printer's control panel

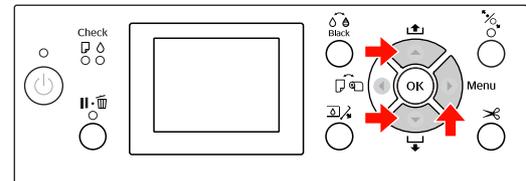
- 1** Press and hold the ► button.



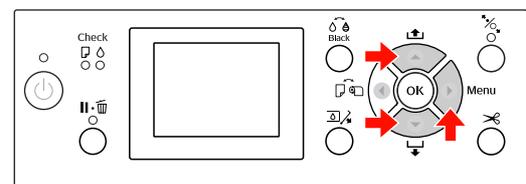
- 2** Press the ▲ / ▼ button to display MAINTENANCE, and then press the ► button.



- 3** Press the ▲ / ▼ button to display CLEANING, and then press the ► button.



- 4** Press the ▲ / ▼ button to display NORMAL CLEANING, and then press the ► button.



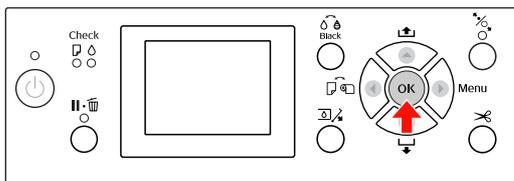
Note:

You can perform the cleaning for only the specified nozzles when you select CLEAN COLOR PAIRS in the MAINTENANCE menu.

☞ See “MAINTENANCE” on page 23

Maintenance

- 5** Press the **OK** button.



The Power light starts flashing and the head cleaning starts (it takes 2 to 13 minutes.) The cleaning is finished when the Power light is on.

- 6** Print a nozzle check pattern, and check the result.

☞ See “Nozzle check” on page 77

Note:

- ❑ *If the nozzles are still clogged after cleaning the print head a few times, perform power cleaning.*
☞ See “Power cleaning” on page 81
- ❑ *Power cleaning process consumes more ink than normal cleaning.*
- ❑ *If the nozzles are still clogged after performing the power cleaning, turn off the printer and leave it overnight or longer, so that the ink may dissolve.*
If the nozzles are still clogged, contact your Epson dealer.
- ❑ *If the CLEANING ERROR appears on the LCD panel, see the following section to solve the problem.*
☞ See “Error Messages on the LCD Panel” on page 90

Power cleaning

If the nozzles are still clogged after performing head cleaning a few times, perform power cleaning.

- 1** Press the **▶** button to enter the Menu mode.
- 2** Press the **▲ / ▼** button to display **MAINTENANCE**, and then press the **▶** button.
- 3** Press the **▲ / ▼** button to select **CLEANING**, and then press the **▶** button.
- 4** Press the **▲ / ▼** button to select **POWER CLEANING**, and then press the **▶** button.
- 5** Press the **OK** button to execute power cleaning.

PLEASE WAIT appears on the LCD panel. It takes about 4 minutes to complete power cleaning.
- 6** Print a nozzle check pattern to see if there are any missing dots.

☞ See “Nozzle check” on page 77

Maintenance

Automatic maintenance function

This printer has a self-cleaning function and capping function for maintaining the print head in consistently good condition to ensure the best print quality.

AUTO NOZZLE CHECK function

The printer performs a nozzle check without printing a pattern, and if there are missing dots, it performs cleaning automatically (taking 2 to 13 minutes).

The **AUTO NOZZLE CHECK** function works in the following cases:

- (1) Just after ink charging
- (2) After head cleaning
- (3) When printing starts

Also, number (3) is performed using **ON: PERIODICALLY** or **ON: EVERY JOB**, depending on the timing selected on the control panel. When clogging is detected, auto cleaning is performed the number of times set on the control panel (the factory setting is once; three times maximum) until the clogged nozzles are cleared; number (2) is only performed once regardless of the preset number.

Capping function

Capping is a function for automatically covering the print head with a cap (lid) to prevent the print head from drying out. Capping is performed in the following situations.

- When several seconds have elapsed after printing finishes (that is there is no print data sent)
- When printing is stopped

Take care of the following points to ensure that the print head is capped properly.

- If the print head is not positioned on the right side (it is not capped), turn the printer on, then off again. By turning the printer off with the  button, the head is capped properly.
- If you turn the power off when a paper jam or error occurs and the print head is not capped, turn the printer on again. Shortly, the print head is capped automatically. Check that it is properly capped, then turn the printer off.
- Do not move the print head manually under any circumstances; otherwise, a malfunction may occur.
- Do not remove the power plug of the printer when the power is on, or cut the power at the breaker. The head may not be capped properly.

Print head alignment

To prevent deterioration of print quality caused by misalignment of the print head, align the print head before you start printing your data.

You can perform print head alignment using:

- printer driver
- printer's control panel

Usually perform print head alignment using the printer driver. If you do not have a computer or software, use the printer's control panel.

Note:

Align the print head for the paper width loaded in the printer. Use the Epson special media (except plain paper) which paper width is the same as the paper that you actually use for printing.

Aligning the print head using the printer driver

- 1 Make sure that the roll paper or one sheet of A4/Letter size or larger paper is loaded in the printer.
☞ See "Paper Handling" on page 31
- 2 Open the Utility menu of the printer driver.
- 3 Click **Print Head Alignment**.
Follow the on-screen instructions to align the print heads.



Aligning the print head using the control panel

Select **AUTO** to correct any head misalignment automatically to obtain optimum printing results. If you select **MANUAL**, you need to check the pattern and enter the value for alignment.

Note:

You cannot use Plain Paper for automatic alignment.

Setting the paper type and paper thickness

Set the paper type for the Epson special media, and set the paper thickness for the non-Epson media.

- 1 Make sure that the roll paper or one sheet of A4/Letter size or larger paper is loaded in the printer.

Make sure to set the paper correctly according to the paper.
☞ See "Paper Handling" on page 31
- 2 Press the **▶** button to enter the Menu mode.
- 3 Press the **▲ / ▼** button to select **HEAD ALIGNMENT**, and then press the **▶** button.
- 4 Press the **▲ / ▼** button to select **PAPER THICKNESS**, and then press the **▶** button.
- 5 Set the paper type or paper thickness depending on the paper you set in the printer.

Epson special media:

1. Press the **▲ / ▼** button to select **SELECT PAPER TYPE**, and then press the **▶** button.
2. Press the **▲ / ▼** button to select the paper type you set in the printer, and then press the **OK** button.

Non-Epson media:

1. Press the **▲ / ▼** button to select **SELECT THICKNESS**, and then press the **▶** button.
2. Press the **▲ / ▼** button to select a paper thickness value between 0.1 and 1.5 mm, and then press the **OK** button.

See the manual that comes with the paper for the paper thickness.

- 6 Press the **◀** button twice for non-Epson media or three times for Epson special media.

Maintenance

To align the print head, see either of the following section.

☞ “Aligning the print head automatically” on page 84

☞ “Aligning the print head manually” on page 84

Aligning the print head automatically

- 1 Press the ▲ / ▼ button to select **ALIGNMENT**, and then press the ► button.
- 2 Select **AUTO**, and press the ► button.
- 3 Press the ▲ / ▼ button to select **BI-D 2-COLOR**, and then press the **OK** button to print the pattern.

The adjustment pattern for output is read by the sensor and the optimum adjustment value is registered automatically in the printer.

If you are not satisfied with the result of this alignment, press the ◀ button to return to the previous level, and then select **BI-D ALL**.

If you are not satisfied with the result of the **BI-D ALL** alignment, try **UNI-D**.

You can also align the print head individually by selecting **BI-D #1**, **BI-D #2**, **BI-D #3**, or **BI-D #4**. Select an ink dot size from **BI-D #1** to **BI-D #4** depending on the media you use and the print mode you want to try.

Aligning the print head manually

Because there is a distance between the print head and paper, the misalignment may occur by the humidity or temperature or moving the print head bidirectionally. In this case, try **UNI-D** first, and then **BI-D 2-COLOR**. If you want to perform a highly accurate adjustment, try **BI-D ALL**.

Alignment	Explanation
UNI-D	Use all ink colors except Light Cyan to align the print head unidirectionally.
BI-D 2-COLOR	Use Light Cyan and Vivid Light Magenta ink color to align the print head bidirectionally.
BI-D ALL	Use all ink colors to align the print head bidirectionally.

- 1 Press the ▲ / ▼ button to select **ALIGNMENT**, and then press the ► button.
- 2 Press the ▲ / ▼ button to select **MANUAL**, and then press the ► button.
- 3 Press the ▲ / ▼ button to select **UNI-D**, and then press the **OK** button to print the pattern.

Note:

When you print the pattern on a cut sheet media, you need to prepare several sheets. When the first page is printed, set the next paper.

- 4 Check the pattern and select the set number that has the smallest gaps.
- 5 When **UNI-D #1 C** appears on the LCD panel, press the ▲ / ▼ button to select the number, and then press the **OK** button.
- 6 Set the number for #1 C to #4 VLM, and press the **OK** button.
- 7 Press the ▲ / ▼ button to select **BI-D 2-COLOR**. Then press the **OK** button.
- 8 Check the pattern and select the set number that has the smallest gaps.
- 9 When **BI-D 2-COLOR #1 LC** appears on the LCD panel, press the ▲ / ▼ button to select the number, and then press the **OK** button.
- 10 Set the number for #1 LC to #4 VLM, and then press the **OK** button.

Maintenance

If you are not satisfied with the result of this alignment, see the next section to try BI-D ALL.

After you set the patterns, press the  button to return to the READY state.

Bi-D ALL alignment

- 1 Press the  button to select BI-D ALL, and then press the  button to print a pattern.

Note:

When you print the pattern on a cut sheet media, you need to prepare several sheets. When the first page is printed, set the next paper.

- 2 Check the pattern and select the set number that has the smallest gaps.
- 3 When BI-D ALL #1 C appears on the LCD panel, press the  button to select the number, and then press the  button.
- 4 Set the number for #1 C to #4 VLM, and then press the  button.

Cleaning the Printer

To keep your printer in top operating condition, clean it thoroughly if it becomes soiled.



Caution:

Take care to prevent water or other foreign matter getting inside the printer. If moisture, dirt, or other matter gets inside of the printer, besides affecting print quality, it may cause the electric circuits to short.

Cleaning outside of the printer

- 1 Remove the paper from the printer.
- 2 Make sure the printer is turned off and all the lights are off, and then unplug the power cord from the electrical outlet.
- 3 Use a soft, clean cloth to carefully remove any dust or dirt.

If the dirt does not come off, clean it using a soft, clean cloth dampened with a mild detergent. Then, wipe the outside of the printer with a dry, soft cloth.



Caution:

Never use alcohol or thinners to clean the printer; these chemicals can damage the components as well as the case.

Maintenance

Cleaning inside of the printer

If the print gets a scratch or smudge, follow the steps below to wipe off the smudge inside of the printer.

Cleaning the roller

If the print is soiled by ink on the roller, follow the steps below to clean the roller by feeding the plain paper.

- 1 Turn on the printer, and set the roll paper.

Set the roll paper of 44-inch width for Epson Stylus Pro 9890/9908 and 24-inch width for Epson Stylus Pro 7890/7908.

☞ See "Using Roll Paper" on page 32

- 2 Press the ▼ button to feed the paper.

Repeat step 2 for a few times until the paper is not soiled with ink.

Cut the paper after cleaning is done.

☞ See "Cutting the roll paper" on page 36

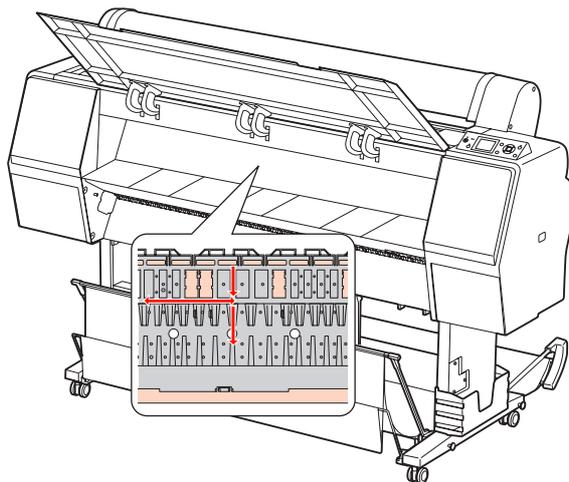
Cleaning inside

- 1 Make sure the printer is turned off and all the lights are off, and then unplug the power cord from the electrical outlet.

- 2 Leave the printer for a minute.

- 3 Open the front cover and use a soft, clean cloth to carefully clean away any dust or dirt inside the printer.

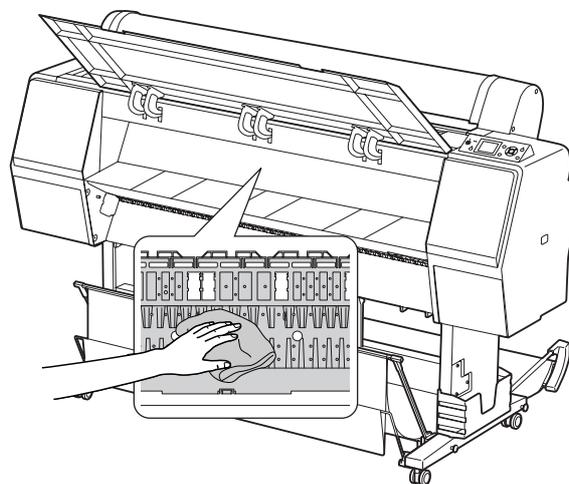
Wipe the gray part by following the directions of the arrows. If there is a serious problem of dirt on the inside of the printer, clean it using a soft, clean cloth dampened with a mild detergent. Then, wipe the inside of the printer with a dry, soft cloth.



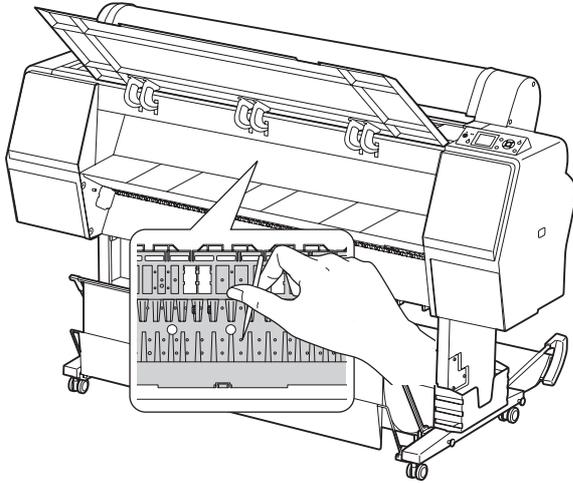
Caution:

- ❑ Do not touch the light magenta parts (roller and ink absorption) in the illustration above; otherwise, prints may be soiled.
- ❑ Do not touch the ink tubes located inside the printer.

- 4 If the back of a print is soiled, wipe the gray part carefully.



- 5** If some powdery paper dust is accumulated on the platen, use something like a toothpick to remove it.



Keeping the Printer

When storing the printer, place it on a horizontal surface with the ink cartridges installed in the printer.



Caution:

The printer must be kept flat. Do not tilt it, stand it on end, or turn it upside down.

If you do not use your printer for a long time

- If you do not use your printer for a long time, the print head nozzles may become clogged. We recommend that you print regularly to prevent clogging. Also, turn on the printer at least once a month, and leave it on for a few minutes.
- Do not leave the printer without ink cartridges; otherwise, the ink will dry out and the printer is not able to print properly. Even if you do not use the printer, leave all of the ink cartridges in the slots.
- Do not leave the paper in the printer for a long period of time; otherwise, the roller for securing the paper may leave a mark on the surface of the paper.

If you have not used your printer for more than six months

- ❑ When activating **AUTO NOZZLE CHECK** in the panel settings, the printer checks the print head nozzles for clogging, and performs print head cleaning automatically if needed.
- ❑ If you have not used your printer for a long time, print a nozzle check pattern to check for clogging. If the nozzle check pattern is not good, perform head cleaning before printing your data.
 - ☞ See “Nozzle check” on page 77
 - ☞ See “Head cleaning” on page 79
 - ☞ See “Power cleaning” on page 81
- ❑ You need to perform head cleaning a few times before the nozzle check pattern is correctly printed. If the nozzles are still clogged after performing head cleaning three times, perform power cleaning.
 - ☞ See “Head cleaning” on page 79
 - ☞ See “Power cleaning” on page 81
- ❑ After performing the head cleaning a few times, turn off the printer and leave it overnight or longer, so that the ink may dissolve.
- ❑ If the nozzles are still clogged after trying the instructions above, contact your Epson dealer.

Protecting the print head

This printer has a capping function that automatically puts a cap on the print head to keep it away from drying.

If the print head is left uncapped, the print quality may decline. When you are not using the printer, make sure the print head is located on the far right so that it is capped.

☞ See “Capping function” on page 82

Transporting the Printer

When transporting the printer, repack the printer using the original box and packing materials to protect from shock and vibration.



Caution:

- ❑ *Do not remove the ink cartridges; otherwise, the print head nozzles may dry up or ink may leak from the cartridge.*
- ❑ *Be careful not to touch the parts unless you needed to; otherwise, the printer may be damaged.*

Repacking the printer

- 1** Turn off the printer, and then unplug the cables such as the power cord.
- 2** Remove the roll paper and roll media adapter if they are set in the printer.
- 3** Remove the paper basket if it is installed.
- 4** Remove the optional Auto Take-up Reel Unit or SpectroProofer Mounter if they are installed.
- 5** Open the front cover to install the protective material for fixing the print head, and then close the cover.

☞ See the *Setup Guide*

Transporting the printer

When you transport the printer, be sure to repack the printer using the original box and packing materials.

**Caution:**

- ❑ *When moving or transporting the printer, keep it flat. Do not tilt it, stand it on end, or turn it upside down. Doing so may cause the ink to leak inside the printer. Also, proper operation of the printer after moving or transportation cannot be guaranteed.*
- ❑ *When transporting the printer, repack the printer using the original box and packing materials to protect it from shock and vibration.*
- ❑ *When moving or transporting this product equipped with the stand on an uneven surface, lift the printer and carry it.*
- ❑ *When moving or transporting this product equipped with the stand, check all the screws for proper tightness on the stand afterward.*

Setting up the printer after transporting

The steps you need to take to set up the printer after transporting it are almost identical to the steps carried out the first time you set up the printer. When you set up the printer again, refer to the *Setup Guide*.

1

Make sure that the place is proper.

 See "Choosing a place for the printer" in the *Setup Guide*

2

Plug in the power cable to the electrical outlet, and turn on the printer.

 See "Setting up" in the *Setup Guide*

3

Perform a nozzle check to see if there are any missing dots.

 See "Nozzle check" on page 77

4

Perform the print head alignment to ensure print quality.

 See "Print head alignment" on page 83

Problem Solver

Error Messages on the LCD Panel

Error messages

Messages are either status messages or error messages. Many common printer problems can be identified by the lights and messages on the LCD panel. See the following messages to solve problems.

Error messages related to paper

Error messages	Description	What to do
PAPER OUT LOAD PAPER	No paper is loaded in the printer.	Load paper correctly. ☞ See "Using Roll Paper" on page 32 ☞ See "Using Cut Sheet Media" on page 39
	The  button has been pressed without paper set in the printer.	Press the  button to release the paper presser, and then set the paper.
	The paper runs out while printing is in progress.	Press the  button to release the paper presser, and then remove the paper. Then, load a new paper.
PAPER RELEASED LOAD PAPER	The paper presser is released.	Set the paper, and then press the  button.
PAPER SKEW LOAD PAPER PROPERLY	The paper is not loaded straight.	<input type="checkbox"/> It may not be printed in the printable area properly. Check the print result. <input type="checkbox"/> Press the  button to release the paper presser, and then load the paper straight. ☞ See "Using Roll Paper" on page 32 ☞ See "Using Cut Sheet Media" on page 39
PAPER SETTING ERROR CHECK THE PAPER SOURCE IN THE DRIVER SETTINGS AND LOAD PAPER CORRECTLY	The paper source selected in the printer driver and the printer's control panel do not match.	Check the Source setting in the printer driver and printer's control panel, and load the paper correctly.
PAPER CUT ERROR REMOVE UNCUT PAPER	Paper is not cut correctly.	<input type="checkbox"/> Press the  button to release the paper presser, and open the front cover. Then remove the uncut paper. ☞ See "Feeding or ejecting troubles" on page 108 <input type="checkbox"/> Paper cutter may be dull. Replace the paper cutter. ☞ See "Replacing the Cutter" on page 73
CUTTER UNIT NEARING END OF SERVICE LIFE. RECOMMEND REPLACING THE CUTTER UNIT	Paper cutter may be dull.	Replace the paper cutter. ☞ See "Replacing the Cutter" on page 73

Problem Solver

Error messages	Description	What to do
PAPER ERROR LOAD PAPER CORRECTLY REFER TO THE MANUAL	The paper is not loaded correctly.	Press the  button to release the paper presser, and remove the paper. Then, set the paper correctly.  See "Using Roll Paper" on page 32  See "Using Cut Sheet Media" on page 39
PAPER SENSOR ERROR PRESS THE  BUTTON LOAD DIFFERENT PAPER	The barcode has not been read correctly.	Press the  button to clear the error, or press the  button to release the paper presser to set a different paper.  See "Using Roll Paper" on page 32  See "Using Cut Sheet Media" on page 39
PAPER LOW	The roll paper is close to running out.	Replace the roll paper with a new one.  See "Using Roll Paper" on page 32
BORDERLESS ERROR LOAD A SUPPORTED PAPER SIZE OR LOAD PAPER CORRECTLY	The paper installed is not supported for borderless printing.	Press the  button to cancel jobs, and then eject the paper. Then load a different size of paper.  See "Using Roll Paper" on page 32  See "Using Cut Sheet Media" on page 39  See "Paper Information" on page 160
	The size of the cut sheet media is not recognized properly.	If the paper is wavy or slack, the printer cannot recognize the paper size correctly. In this case, flatten the paper before loading it in the printer.  See "Using Cut Sheet Media" on page 39
	The paper is not set correctly.	Set the paper correctly in the printer.  See "Using Roll Paper" on page 32  See "Using Cut Sheet Media" on page 39
PAPER EJECT ERROR REMOVE PAPER FROM PRINTER	The roll paper is used with the Sheet mode.	Press the  button to release the paper presser, and then remove the paper.
PAPER SIZE ERROR LOAD CORRECT PAPER SIZE	The loaded paper size does not match the data size.	Match the loaded paper size to the data size.
PAPER JAM REMOVE PAPER	The paper is jammed.	Remove the jammed paper.  See "Feeding or ejecting troubles" on page 108

Problem Solver

Error messages related to the printer

Error messages	Description	What to do
FRONT COVER OPEN CLOSE FRONT COVER	The front cover is open.	Close the front cover.
INK COVER OPEN CLOSE RIGHT AND LEFT INK COVERS	The ink cover(s) is open.	Close the ink cover(s).
INK COVER OPEN CLOSE RIGHT INK COVER		
INK COVER OPEN CLOSE LEFT INK COVER		
CANNOT OPEN INK COVER IS ANYTHING OBSTRUCTING THE RIGHT INK COVER? PRESS INK COVER OPEN BUTTON	The ink cover(s) cannot be opened.	Remove any object if it is obstructing the ink cover(s). Then, press the  button again.
CANNOT OPEN INK COVER IS ANYTHING OBSTRUCTING THE LEFT INK COVER? PRESS INK COVER OPEN BUTTON		
F/W INSTALL ERROR UPDATE FAILED RESTART THE PRINTER	The printer fails to update the firmware.	Turn the printer off, and then restart the printer. Then, update the firmware using EPSON LFP Remote Panel 2 again.
PRINTER ERROR RESTART THE PRINTER	The printer needs to be restarted while recovering the error.	Turn the printer off, and after a while turn it on again.
COMMAND ERROR CHECK DRIVER SETTINGS	The printer receives data that is unsupported by the printer.	Stop printing, and press the  button to cancel the job and reset the printer.
	The printer receives data with a wrong command.	
	The installed printer driver is not correct for the printer.	Stop printing, and press the  button to cancel the job and reset the printer. Then make sure that the installed printer driver is correct for the printer.

Problem Solver

Error messages related to the maintenance

Error messages	Description	What to do
PAPER SENSOR ERROR PRESS THE  BUTTON LOAD THE CORRECT PAPER REFER TO THE MANUAL	The loaded paper is not proper for the Print Head Alignment.	Press the  button to clear the error. Press the  button to release the paper presser, and then load the paper that matches with the media type selected for the Print Head Alignment.  See "Print head alignment" on page 83
CLEANING ERROR AUTOMATIC HEAD CLEANING FAILED RETRY? YES NO	Nozzles are still clogged even though auto cleaning has been performed. (When printing starts and auto cleaning has already been performed three times (maximum).)	Press the  button to clear the error, and perform cleaning again.  See "Nozzle check" on page 77 If the cleaning does not start, stop the printing from the computer, and turn the printer off and on again.
CLEANING ERROR NOT ENOUGH INK OR SPACE IN MAINT TANK CONTINUE CLEANING? YES (RECOMMENDED) NO	There is not enough ink or space in the maintenance tank to perform cleaning.	By clicking YES, the message to replace the ink cartridge or maintenance tank appears. Replace the ink cartridge or maintenance tank with a new one to continue cleaning.  See "Replacing Ink Cartridges" on page 67  See "Replacing the Maintenance Tank" on page 72
INK TOO LOW TO CLEAN REPLACE INK CARTRIDGE	There is not enough ink to perform cleaning.	Replace the ink cartridge with a new one.  See "Replacing Ink Cartridges" on page 67
INK TOO LOW TO CLEAN THE CARTRIDGE BEING USED CAN BE INSTALLED AGAIN FOR PRINTING	There is not enough ink to perform cleaning.	Replace the ink cartridge with a new one.  See "Replacing Ink Cartridges" on page 67
NO CARTRIDGE INSTALL INK CARTRIDGE	No ink cartridge is installed or the ink cartridge may not fit.	Install an ink cartridge correctly. Do not reinstall the ink cartridge that caused an error.  See "Replacing Ink Cartridges" on page 67
INK CARTRIDGE INK LOW REPLACE INK CARTRIDGE	The ink cartridge is expended.	Replace the ink cartridge with a new one.  See "Replacing Ink Cartridges" on page 67
BLACK INK MISMATCH THE TYPE OF BLACK INK IS DIFFERENT TO CANCEL PRINTING CANCEL THE PRINT JOB TO CONTINUE PRINTING CHANGE THE BLACK INK	The setting of the black ink cartridge differs from the printer and printer driver.	To cancel printing, press the  button. To continue printing, press the  button to change the black ink.  See "Changing the Black Ink" on page 61
INK LOW	The ink cartridge is nearly expended.	Replacement of the ink cartridge is nearly needed.  See "About ink cartridges" on page 69

Problem Solver

Error messages	Description	What to do
INK CARTRIDGE ERROR REPLACE CARTRIDGE	The ink cartridge was found faulty. There may be a bad contact or dew condensation in the cartridge.	<ul style="list-style-type: none"> <input type="checkbox"/> Remove the ink cartridge and reinstall it. If this message appears after reinstalling the ink cartridge, replace it with a new one. (Do not reinstall the ink cartridge that caused an error.) <ul style="list-style-type: none">  See "About ink cartridges" on page 69  See "Replacing ink cartridges" on page 70 <input type="checkbox"/> Condensation may occur in the ink cartridge so leave it at room temperature for at least four hours before installing the ink cartridge. <ul style="list-style-type: none">  See "Notes for replacing the ink cartridges" on page 69
NO MAINTENANCE TANK INSTALL THE LEFT SIDE MAINTENANCE TANK	The maintenance tank is not set in the printer.	Install the maintenance tank.  See "Replacing the Maintenance Tank" on page 72
NO MAINTENANCE TANK INSTALL THE RIGHT SIDE MAINTENANCE TANK		
NOT ENOUGH EMPTY SPACE REPLACE THE RIGHT SIDE MAINTENANCE TANK	The maintenance tank has not enough empty space so the cleaning cannot be performed.	Replace the target maintenance tank with a new one.  See "Replacing the Maintenance Tank" on page 72
REPLACE MAINTENANCE TANK SOON	The maintenance tank is nearing the end of its service life.	Although you can continue printing, you need to replace the maintenance tank with a new one as soon as possible.  See "Replacing the Maintenance Tank" on page 72
MAINTENANCE TANK ERROR REPLACE THE LEFT SIDE MAINTENANCE TANK	The maintenance tank is not correctly set in the printer.	Set the maintenance tank properly. If the same error occurs, replace the maintenance tank with a new one.  See "Replacing the Maintenance Tank" on page 72
MAINTENANCE TANK ERROR REPLACE THE RIGHT SIDE MAINTENANCE TANK		
MAINTENANCE TANK REPLACE THE LEFT SIDE MAINTENANCE TANK	The maintenance tank is at the end of its service life.	Replace the maintenance tank with a new one.  See "Replacing the Maintenance Tank" on page 72
MAINTENANCE TANK REPLACE THE RIGHT SIDE MAINTENANCE TANK		
INK CARTRIDGE PLEASE USE GENUINE EPSON INK CARTRIDGES	Non-genuine ink cartridge is installed.	Replace the ink cartridge with a genuine Epson ink cartridge.  See "About ink cartridges" on page 69  See "Replacing ink cartridges" on page 70

Problem Solver

Error messages	Description	What to do
INK CARTRIDGE NON-GENUINE CARTRIDGE! QUALITY OF NON-GENUINE INK MAY VARY NON-GENUINE CARTRIDGE MAY NOT PERFORM AT OPTIMUM. CONTINUE? DECLINE ACCEPT	Non-genuine ink cartridge is installed.	Select DECLINE to replace the ink cartridge with a genuine Epson ink cartridge. Selecting ACCEPT may void EPSON's warranty. See "About ink cartridges" on page 69 See "Replacing ink cartridges" on page 70
INK CARTRIDGE ERROR PLEASE INSTALL THE CORRECT CARTRIDGE	An ink cartridge that cannot be used with this printer is installed.	Remove the ink cartridge, and install an ink cartridge that can be used with this printer. See "About ink cartridges" on page 69 See "Replacing ink cartridges" on page 70
NOZZLE CLOG DETECTED NOT ENOUGH INK CONTINUE CLEANING? YES (RECOMMENDED) NO	There is not enough ink to perform cleaning.	By clicking YES , the message to replace the ink cartridge appears. Replace the ink cartridge with a new one to continue cleaning. See "Replacing Ink Cartridges" on page 67
NOZZLE CLOG DETECTED NOT ENOUGH EMPTY SPACE IN MAINT TANK CONTINUE CLEANING? YES (RECOMMENDED) NO	There is not enough space in the maintenance tank to perform cleaning.	By clicking YES , the message to replace the maintenance tank appears. Replace the maintenance tank with a new one to continue cleaning. See "Replacing the Maintenance Tank" on page 72
CLOGGED NOZZLES DETECTED CLEANING RECOMMENDED	Print head nozzles are clogged.	Perform head cleaning to remove any clogs. This message continues to be displayed until the clogged nozzles have been cleared, but it is removed when a check pattern is printed. Printing is possible while the message is displayed. See "Head cleaning" on page 79

Error messages related to the options

Error messages	Description	What to do
TAKE-UP DISCONNECTED SET AUTO TAKE-UP REEL SYSTEM IN PRINTER AND RESTART THE PRINTER	Auto Take-up Reel Unit is not correctly installed in the printer.	Turn the printer off, and then install the Auto Take-up Reel Unit properly. See "Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)" on page 47
TAKE-UP DISCONNECTED AUTO TAKE-UP REEL UNIT IS DISCONNECTED DO YOU CONTINUE? NO YES	Auto Take-up Reel Unit is not correctly installed in the printer.	Select NO , and turn the printer off, and then install the Auto Take-up Reel Unit properly. If you select YES , the paper is ejected without using the Auto Take-up Reel Unit. See "Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)" on page 47
TAKE-UP ERROR CHECK THE STATUS OF AUTO TAKE-UP REEL UNIT AND RESTART THE PRINTER	The roll paper is not set to the Auto Take-up Reel Unit properly.	Press the button to release the paper presser, and then set the roll paper to the Auto Take-up Reel Unit properly. See "Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)" on page 47

Problem Solver

Error messages	Description	What to do
TAKE-UP ERROR IS ANYTHING OBSTRUCTING THE TAKE-UP REEL SENSOR SYSTEM? LOAD PAPER AGAIN	The Auto Take-up Reel Unit does not wind the paper.	<p>Make sure there is no obstruction in the sensor system. Press the  button to release the paper presser, and then set the paper correctly in the Auto Take-up Reel Unit.</p> <p> See "Using Auto Take-up Reel Unit (For Epson Stylus Pro 9890/9908 only)" on page 47</p>
SProofer DISCONNECTED CONNECT SpectroProofer TO THE PRINTER AND RESTART THE PRINTER	The SpectroProofer is not connected to the printer properly.	<p>Turn the printer off, and then connect the SpectroProofer to the printer properly.</p> <p> See the <i>SpectroProofer Mounter 24"/44" Setup Guide</i></p>
ILS20EP DISCONNECTED REFER TO THE MANUAL AND CONNECT ILS20EP TO SpectroProofer RESTART THE PRINTER	The color measurement device (ILS20EP) is not connected properly.	<p>Turn the printer off, and then connect the color measurement device (ILS20EP) to the SpectroProofer properly.</p> <p> See the <i>SpectroProofer Mounter 24"/44" Setup Guide</i></p>

Problem Solver

Error messages	Description	What to do
SpectroProofer ERROR REFER TO THE MANUAL TO FIND OUT HOW TO SOLVE THE PROBLEM NN *NN is the error number.	Error No. 01 The SpectroProofer is not connected to the printer properly.	Turn the printer off, and then remove the SpectroProofer from the printer. Connect the SpectroProofer to the printer properly, and then turn on the printer. ↗ See "Removing the Mounter" in the <i>SpectroProofer Mounter 24"/44" User's Guide</i> ↗ See the <i>SpectroProofer Mounter 24"/44" Setup Guide</i> If the same error occurs, contact your dealer.
	Error No. 13 The paper presser does not function properly due to one of the following factors: <ul style="list-style-type: none"> <input type="checkbox"/> The backing is not attached properly. <input type="checkbox"/> There are some foreign objects between the paper presser and backing. <input type="checkbox"/> The media type is not supported. <input type="checkbox"/> The product is used out of its operational environment. 	<ul style="list-style-type: none"> <input type="checkbox"/> Turn off the printer, and then remove the SpectroProofer. If there are objects such as packing materials around the backing, remove them. Then, attach the backing properly, and then turn on the printer. ↗ See the <i>SpectroProofer Mounter 24"/44" User's Guide</i> ↗ See the <i>SpectroProofer Mounter 24"/44" Setup Guide</i> <input type="checkbox"/> Check the media type and system requirements. ↗ See "Supported Media" and "System Requirements" in the <i>SpectroProofer Mounter 24"/44" User's Guide</i> If the same error occurs, contact your dealer.
	Error No. 15 The Color Measurement Device carriage does not function properly due to one of the following factors: <ul style="list-style-type: none"> <input type="checkbox"/> There is some foreign object in the moving range of the carriage. <input type="checkbox"/> The backing is not attached properly. <input type="checkbox"/> The white calibration tile holder is not installed properly. <input type="checkbox"/> The media type is not supported. <input type="checkbox"/> The product is used out of its operational environment. 	<ul style="list-style-type: none"> <input type="checkbox"/> Turn off the printer, and then remove the SpectroProofer. If there are objects such as packing materials around the backing, remove it. Then, attach the backing properly and turn on the printer. ↗ See the <i>SpectroProofer Mounter 24"/44" User's Guide</i> ↗ See the <i>SpectroProofer Mounter 24"/44" Setup Guide</i> <input type="checkbox"/> Check the media type and system requirements. ↗ See "Supported Media" and "System Requirements" in the <i>SpectroProofer Mounter 24"/44" User's Guide</i> If the same error occurs, contact your dealer.

Problem Solver

Error messages	Description	What to do
SpectroProofer ERROR REFER TO THE MANUAL TO FIND OUT HOW TO SOLVE THE PROBLEM NN *NN is the error number.	Error No. 80 Cannot perform color measurement.	Turn off the printer, and then remove the color measurement device and the white calibration tile from the SpectroProofer mounter. Check that the number on the label mentioned on the color measurement device and the white calibration tile are the same, otherwise, try again with a combination of the same number. If the lens in the color measurement device or the white calibration tile is soiled, clean it. Return the parts correctly and then turn on the printer.  See the <i>SpectroProofer Mounter 24"/44" User's Guide</i> If this message appears on the LCD panel again, contact your dealer or Epson Support.
	Error No. 12, 14, D5, D6, 65 The SpectroProofer has an error.	Note the code and contact your dealer.
SProofer DISCONNECTED SpectroProofer IS DISCONNECTED DO YOU CONTINUE? NO YES	The SpectroProofer is not connected to the printer properly.	Select NO , and then turn the printer off, and then connect the SpectroProofer to the printer properly. If you select YES , the printer continues printing.  See the <i>SpectroProofer Mounter 24"/44" Setup Guide</i>
DEVICE ALIGNMENT ADJUSTMENT NOT COMPLETE	The initial settings have not been made for the SpectroProofer.	Refer to the following guide to make initial settings to the SpectroProofer.  See the <i>SpectroProofer Mounter 24"/44" User's Guide</i>
ILS20EP DISCONNECTED ILS20EP IS DISCONNECTED DO YOU CONTINUE? NO YES	The color measurement device (ILS20EP) is not connected properly.	Select NO , and then turn the printer off, and then connect the color measurement device (ILS20EP) properly. If you select YES , the printer continues printing.  See the <i>SpectroProofer Mounter 24"/44" Setup Guide</i>

Call for service / Maintenance request

Error messages	Description	What to do
MAINTENANCE REQUEST CODE NNNN REFER TO THE MANUAL	A part used in the printer has nearly reached the end of its life.	Note the code and contact your dealer.  See "When the maintenance request occurs" on page 99
CALL FOR SERVICE CODE NNNN POWER OFF AND THEN ON. IF THIS DOESN'T WORK, NOTE THE CODE AND CALL FOR SERVICE	If 3000 appears, the power cord is not plugged into the electrical outlet or the AC inlet of the printer properly	Turn the printer off. Plug the power cord into the electrical outlet or the AC inlet of the printer properly. Then, turn the printer on and off a few times. If this message appears on the LCD panel again, contact your dealer.  See "When the call for service occurs" on page 99
	A fatal error has occurred.	Turn the printer off, leave it for a while, and turn the printer on again. If this message appears on the LCD panel again, note the code and contact your dealer.  See "When the call for service occurs" on page 99

Problem Solver

When the maintenance request occurs

A maintenance request warns you to replace the consumables with a new one very soon. If MAINTENANCE REQUEST NNNN is displayed on the LCD panel, contact your dealer and tell them the maintenance request code. If you continue to use the printer, the service call error occurs.

When the call for service occurs

A call for service occurs when:

- The power cord is not plugged properly into the electrical outlet or the power connector of the printer.
- An fatal error has occurred.

When a call for service has occurred, CALL FOR SERVICE NNNN appears and the printer stops printing. Turn off the printer, and then check that the power cord is plugged properly into the electrical outlet or the power connector of the printer. Plug the power cord properly and then turn on the printer. If the call for service is cleared, you can continue to use the printer. If the same call for service is displayed on the LCD panel, contact your dealer for assistance. Tell them the call for service code is "NNNN".

Troubleshooting

You cannot print (because the printer does not work)

Cause	What to do
The printer does not turn on.	<p>Is the power cord plugged into the electrical outlet or the printer? Make sure the power cord is securely plugged into the printer.</p> <p>Is there any problem with the electrical outlet? Make sure your outlet works by trying to connect the power cord of another electric product.</p>
The printer driver is not installed properly (Windows).	<p>Is the printer icon in the Printers and Faxes or Printers folder?</p> <p><input type="checkbox"/> Yes The printer driver is installed. Check the port, as described in the next item.</p> <p><input type="checkbox"/> No The printer driver is not installed. Install the printer driver.  See the <i>Setup Guide</i></p>
	<p>Does the printer port setting match the printer connection port? Check the printer port.</p> <p>Click the Ports tab in the printer driver's Properties dialog box, and check the printer port.</p> <p><input type="checkbox"/> [USBxxx] (x stands for the port number) for the USB connection</p> <p><input type="checkbox"/> A correct IP address for the network connection</p> <p>If it is not indicated, the printer driver is not correctly installed. Uninstall the printer driver and reinstall it.  See "Uninstalling the printer driver" on page 117</p>
The printer driver is not installed properly (Mac OS X).	<p>Is the printer added to the printer list?</p> <p>For Mac OS X 10.4:</p> <ol style="list-style-type: none"> 1. Double-click the hard disk icon. 2. Double-click the Applications folder, and then double-click the Utility folder. 3. Double-click the Printer Setup Utility icon. <p>If the printer name is not displayed, see the following to add the printer.</p> <p>For Mac OS X 10.7, 10.6 and 10.5:</p> <ol style="list-style-type: none"> 1. Double-click the hard disk icon. 2. Double-click the Applications folder, and then double-click the System Preferences folder. 3. Double-click the Print & Fax (Print & Scan for Mac OS X v10.7) icon. <p>If the printer name is not displayed, see the following to add the printer.</p>

Problem Solver

Cause	What to do
The printer is not correctly connected to the computer.	<p>Is the cable plugged properly? Make sure the printer's interface cable is securely plugged into the correct terminal of the computer. Also, make sure the cable is not broken nor bent. If you have a spare cable, try with the spare cable.</p> <p>Does the interface cable specification match the specifications for the computer? Make sure the interface cable specifications match the specifications for the printer and computer. ☞ See "Interface" on page 181</p> <p>Is the interface cable directly connected to the computer? Make sure the interface cable is directly connected to the computer without passing through any device, such as a printer switching device, or extension cable.</p> <p>When using a USB hub, is it being used correctly? In the USB specification, daisy-chains of up to five USB hubs are possible. However, we recommend that you connect the printer to the first hub connected directly to the computer. Also, some hubs may cause unstable operation. If problems occur, connect the printer directly to the USB port of the computer.</p> <p>Is the USB hub recognized correctly? (Windows) Make sure the USB hub is recognized correctly in the computer. If the USB hub is recognized correctly, unplug all of the USB hubs from the computer's USB port, and then connect the printer's USB connector directly to the computer's USB port. Ask the USB hub manufacturer about USB hub operation.</p>
The printing is not available under the network environment.	<p>Are the network settings correct? Ask your network administrator for the network settings.</p> <p>Connect the printer directly to the computer using a USB cable, and then try to print. If you can print through USB, there are some problems on the network environment. Ask your system administrator, or refer to the manual for your network system. If you cannot print, see the appropriate section in this manual.</p>
The printer has an error.	<p>Confirm if errors have occurred in the printer by checking the lights and messages on the printer's control panel. ☞ See "Lights" on page 13 ☞ See "Error Messages on the LCD Panel" on page 90</p>

Problem Solver

Cause	What to do
The printer stops printing.	<p>Is the status of print queue "paused"? (Windows) If you stop printing or the printer stops printing because of some troubles, the status of print queue becomes "paused". You cannot print in this condition. Double-click the printer icon in the Printers folder, and select Pause Printing from the Printer menu to clear the check box.</p> <p>Is the status in the Print Center or Printer Setup Utility Pausing? (Mac OS X) For Mac OS X 10.4:</p> <p>If you click Stop Jobs in the Printer Setup Utility, the printer does not start printing until it is released.</p> <ol style="list-style-type: none"> 1. Double-click the Applications folder, and then double-click the Utility folder. Then, double-click the Printer Setup Utility icon. 2. Double-click the printer that is pausing. 3. Click the job that is paused, and then click Start Jobs. <p>If the Print Center or Printer Setup Utility is displayed in the Dock, you can follow the steps below.</p> <ol style="list-style-type: none"> 1. In the Dock, click the Print Center or Printer Setup Utility icon. 2. Double-click the printer that is pausing. 3. Click the job that is paused, and then click Start Jobs. <p>For Mac OS X 10.7, 10.6 and 10.5:</p> <p>If you click Stop Jobs in the Print & Fax (Print & Scan for Mac OS X v10.7), and then click Open Print Queue, the printer does not start printing until it is released.</p> <ol style="list-style-type: none"> 1. Double-click the Applications folder, and then double-click the System Preferences folder. Then, double-click the Print & Fax (Print & Scan for Mac OS X v10.7) icon. 2. Double-click the printer that is pausing. 3. Click the job that is paused, and then click Start Jobs.
Your trouble is not listed here.	<p>Decide whether the trouble is caused by the printer driver or the application software. Perform a test print from the printer driver so you can tell that the connection between the printer and computer is correct and the printer driver settings are correct.</p> <ol style="list-style-type: none"> 1. Make sure that the printer is in the READY state, and set a sheet of A4 or larger. 2. From the Start menu, open the Printers and Faxes or Printer folder. 3. Right-click the target printer icon, and select Properties. 4. In the General tab, click the Print Test Page button. <p>After a while the printer starts to print a test page.</p> <ul style="list-style-type: none"> <input type="checkbox"/> If the test page is printed correctly, the connection between the printer and computer is correct. Go to the next section. <input type="checkbox"/> If the test page is not printed correctly, check the items above again.  See "You cannot print (because the printer does not work)" on page 100 <p>* "Driver Version" shown on the test page is the version of the driver installed in Windows. It is not the Epson printer driver version that you installed.</p>

Problem Solver

The printer sounds like it is printing, but nothing prints

Cause	What to do
<p>The ink cartridges may have a problem.</p>	<p>If the print head moves, but nothing prints, confirm the printer operation. Print a nozzle check pattern. You can check the printer's operation and status without connecting the printer to the computer.  See "Nozzle check" on page 77</p> <p>If the nozzle check pattern has missing dots, perform a print head cleaning.  See "Head cleaning" on page 79</p> <p>If you replace the ink cartridges while the printer is turned off, the remaining amount of ink cannot be detected correctly so that the Ink Check light does not come on even when the ink cartridge needs to be replaced; otherwise you cannot print correctly. Be sure to follow the instructions in this manual to replace the ink cartridge.  See "Replacing Ink Cartridges" on page 67</p> <p>Has the printer not been used for a long time? If the printer has not been used for a long time, the nozzles are dried and may be clogged. See the following section.  "If you have not used your printer for more than six months" on page 88</p>
<p>The print head moves, but nothing prints.</p>	<p>Is the message Motor Self Adjustment displayed on the control panel's screen? The printer adjusts the internal motor. Wait for a while without turning off the printer.</p>

Problem Solver

The prints are not what you expected

Cause	What to do
<p>Print quality is poor, uneven, too light, or too dark.</p>	<p>Are the print head nozzles clogged? If the nozzles are clogged, the print quality is reduced. Print the nozzle check pattern.</p> <p>If you replace the ink cartridges while the printer is turned off, the remaining of the ink cannot be detected correctly so that the Ink Check light is not on even the ink cartridge is needed to be replaced or you cannot print correctly. Be sure to follow the instructions in this manual to replace the ink cartridge. ☞ See "Replacing Ink Cartridges" on page 67</p> <p>Is there any gap in the print head during bidirectional printing? With bidirectional printing, the print head prints while moving left and right. If the print head is misaligned, ruled lines may be printed misaligned with gaps. If vertical ruled lines are misaligned with bidirectional printing, adjust the gap. ☞ See "Print head alignment" on page 83</p> <p>Are you using a genuine Epson ink cartridge? If you use the non-Epson ink cartridge, the prints may smear, or the color of the printed image may be changed because the ink end is not correctly detected. Be sure to use the correct ink cartridge.</p> <p>Are you using an old ink cartridge? The print quality decreases when an old ink cartridge is used. Replace the old ink cartridge with a new one. Be sure to use the ink cartridge before the expiry date (within six months after installing to the printer).</p> <p>Is the media type setting correct? It affects the print quality if the paper you have selected in the Main menu (Windows) or Print Settings dialog (Mac OS X) does not match with the paper that is loaded in the printer. Be sure to match the media type setting with the paper that is loaded in the printer.</p> <p>Did you select Speed for Print Quality? The print quality may decrease when you select Speed rather than Quality. If you want to improve your print quality, select Quality for the Print Quality setting in the Main menu.</p> <p>Are you using PhotoEnhance? Photo Enhance provides a variety of image-correction settings for the image data of which contrast or brightness is not appropriate. Because of that, if Photo Enhance is enabled, the color of the prints may differ from the color you see on the display. ☞ See "Auto Correct Color and Print Photos (PhotoEnhance)" on page 122</p> <p>Have you made color adjustment settings? The color is produced differently because the output devices (such as display, printer) are different. In order to reduce the differences in color between each device, perform color adjustment. ☞ See "Color Management Printing" on page 153</p>

Problem Solver

Cause	What to do
<p>Print quality is poor, uneven, too light, or too dark.</p>	<p>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.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Televisions and monitors produce a range of colors by combining the 3 colors known as the 3 primary colors of light, red (R), green (G), and blue (B). When none of the lights are shining, the result is black, and when all 3 colors are shining, the result is white. <input type="checkbox"/> However, color gravure printing and color printers use a combination of the 3 primary colors of pigment, yellow (Y), magenta (M), and cyan (C). When no color is applied, the result is white, and when all 3 colors are mixed evenly, the result is black. <input type="checkbox"/> Printing a scanned image necessitates the changes from the original image (CMY) to the monitor (RGB) then to the print (CMY), making color matching even more difficult. In this case, color matching between the devices is handled by ICM (Windows) or ColorSync (Mac OS X). <p>When using a color management system such as ICM (Windows) or ColorSync (Mac OS X), have you set a monitor profile? For proper management, the input devices and applications used must support ICM (Windows) or ColorSync (Mac OS X). Also, it is necessary to set the profile for the monitor that you are using.</p> <p>Did you open the front cover during printing? If the front cover is opened during printing, the carriage stops suddenly causing unevenness in the color. Do not open the front cover during printing.</p> <p>Does INK LOW appear on the LCD panel? The print quality may decrease when the ink is nearly expended. Replace the ink cartridge with a new one. If the print quality is not good after replacing the ink cartridge, perform head cleaning a few times.</p>
<p>The color is not the same as another printer.</p>	<p>Colors vary depending on the printer type due to each printer's characteristics. Since each printer differs according to the model, such as the ink, printer driver, and printer profile, hence each printer's results slightly differ as well. You can achieve similar colors with the same color adjustment method (sRGB or Adobe RGB) or gamma setting by using the printer driver.</p> <p> See "Color Management Printing" on page 153</p> <p>To match the color precisely, use the color measurement device to perform color management.</p>

Problem Solver

Cause	What to do
The print is not positioned properly on the paper.	<p>Have you specified the print area? Check the print area in the settings of the application and printer.</p> <p>Is the paper size setting correct? If the Paper Size setting and the size of the actual paper do not match, the print may not be where you want it, or part of it may be cut off. In this case, check the print settings.</p> <p>Is the paper skewed? If PAPER SKEW CHECK in the panel settings is OFF, the paper is printed even if it is skewed. In this case, the print will not be in the print area. Set PAPER SKEW CHECK to ON in the Menu mode. ☞ See "PRINTER SETUP" on page 21</p> <p>Does the print data fit within the paper width? If the print image is bigger than the paper width, printing normally stops. However, if the PAPER SIZE CHECK is OFF, the paper is printed even if the paper width is exceeded. Set PAPER SIZE CHECK to ON in the Menu mode. ☞ See "PRINTER SETUP" on page 21</p> <p>Is the roll paper margin set to 15 mm or 35 mm? With auto rotation, or if you print to the full width of the paper (printing at A1 vertical size on 24-inch wide roll paper, or printing at A2 horizontal size), if the ROLL PAPER MARGIN is set to 15 mm or 35 mm, the data extending beyond the print area on the right side of the paper is not printed. Set ROLL PAPER MARGIN to 3 mm. ☞ See "PRINTER SETUP" on page 21</p>
Left/right ruled lines are bumpy.	<p>Is the print head misaligned (leaving gaps)? (during bidirectional printing) With bidirectional printing, the print head prints while moving left and right. If the print head is misaligned, ruled lines may be printed misaligned with gaps. If vertical ruled lines are misaligned with bidirectional printing, adjust the gap. ☞ See "Print head alignment" on page 83</p>
The printed surface is scuffed or soiled.	<p>Is the paper too thick or too thin? Check that the paper is a specification that can be used with this printer. For information about the media types and appropriate settings for printing on paper from other manufacturers or when using a raster image processor (RIP), please refer to the handling instructions for the paper, or contact the retailer of the paper or the manufacturer of the RIP.</p> <p>Is the print head scuffing the printed surface with thick paper? When using thick paper, the print head may scuff the printed surface. In this case, set PLATEN GAP to a point between WIDE and WIDEST. ☞ See "PRINTER SETUP" on page 21</p>
The paper is creased.	<p>Are you using the printer at normal room temperature? Epson's special paper 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, refer to the relevant handling instructions.</p> <p>When using paper other than Epson special media, have you set the paper characteristics? When using paper other than Epson special media, set the paper characteristics (custom paper) before printing. ☞ See "Printing on custom paper" on page 145</p>
The back of the printed paper is soiled.	<p>Set PAPER SIZE CHECK to ON in the Menu mode. If the print image is bigger than the paper width and the PAPER SIZE CHECK is OFF, the image is still printed extending beyond the print area, causing the inside of the printer to become soiled. In order to keep the inside of the printer clean, set PAPER SIZE CHECK to ON in the Menu mode. ☞ See "PRINTER SETUP" on page 21</p>

Problem Solver

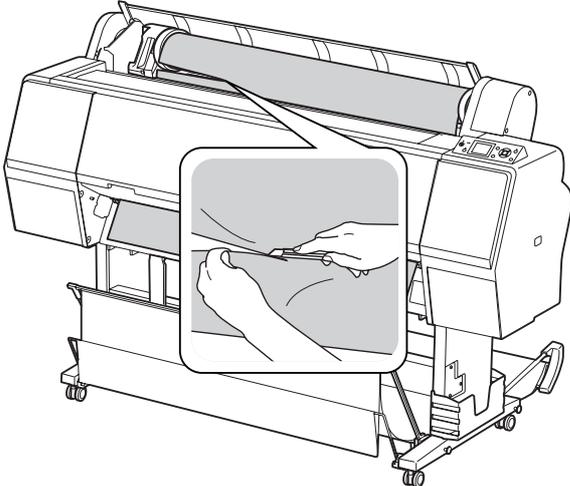
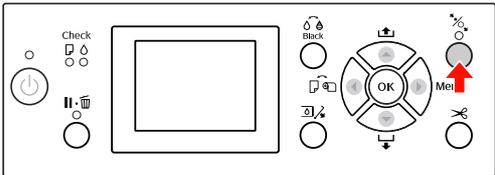
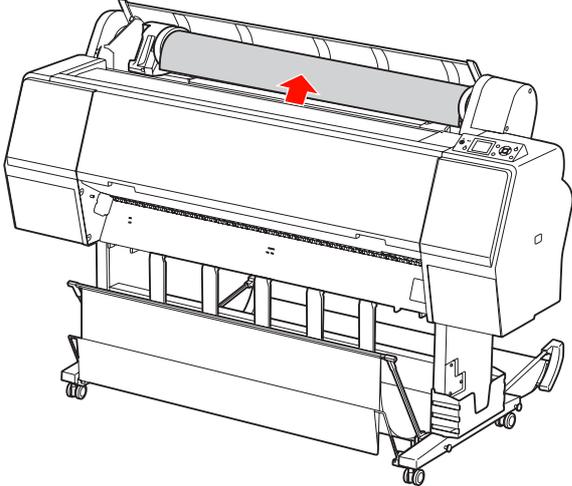
Cause	What to do
Too much ink is being released.	<p>Is the Media Type setting correct? Make sure that the paper settings of the printer match the paper that you are using. The discharge of ink is controlled in accordance with the media type. If you print on plain paper using the photo paper setting, too much ink will be discharged for the type of paper.</p> <p>Is the Color Density setting correct? Lower the density of the ink in Paper Configuration dialog box in the printer driver. The printer may be discharging too much ink for the paper. See the online help of the printer driver for detailed information on the Paper Configuration dialog box.</p>
Margins appear with borderless printing.	<p>Are the settings for the print data in the application correct? Ensure that the paper settings in the application are correct as well as in the printer driver. ☞ See "Borderless printing" on page 130</p> <p>Are the paper settings correct? Make sure that the paper settings of the printer match the paper that you are using. ☞ See "Paper Information" on page 160</p> <p>Have you changed the amount of enlargement? Adjust the amount of enlargement for borderless printing. Margins may appear if you set the amount of enlargement to Min. ☞ See "Borderless printing" on page 130</p> <p>Is the paper stored correctly? The paper may expand or contract if it is not stored correctly so that margins appear even when borderless is set. Refer to the handling instructions for the paper for correct storage.</p> <p>Are you using paper that supports borderless printing? Paper that is not intended for borderless printing may expand or contract during use so that margins appear even when borderless is set. We recommend that you use the recommended paper for borderless printing. ☞ See "Paper Information" on page 160</p> <p>Try to adjust the cutter. When there are margins on the top and bottom of the roll paper while performing borderless printing, try CUTTER ADJUSTMENT. It may reduce the margins. ☞ See "MAINTENANCE" on page 23</p>

Problem Solver

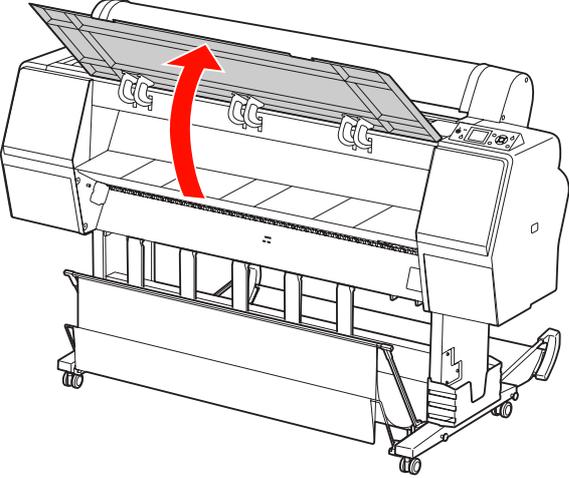
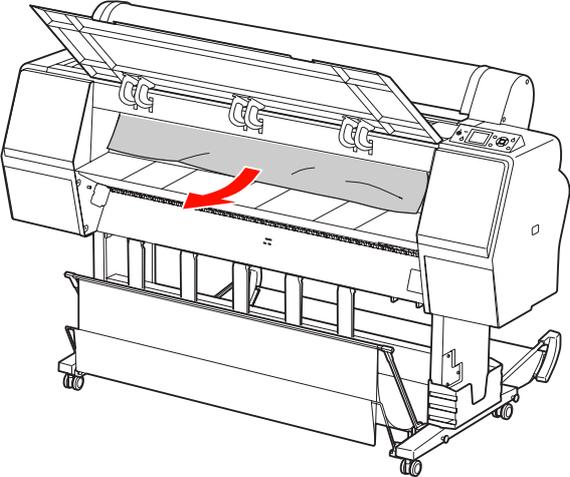
Feeding or ejecting troubles

Cause	What to do
Unable to feed or eject paper.	<p>Is the paper loaded in the right position? Refer to the following for the correct position to load the paper. ☞ See "Paper Handling" on page 31</p> <p>If the paper is loaded correctly, check the condition of the paper that you are using.</p> <p>Is the paper loaded vertically? Single sheets should always be loaded vertically. If they are loaded horizontally, the paper is not recognized and an error occurs. ☞ See "Supported Media" on page 31</p> <p>Is the paper creased or folded? Do not use old paper or paper with folds in it. Always use new paper.</p> <p>Is the paper damp? Do not use paper that is damp. Also, Epson special media should be left in the bag until you intend to use it. If it is left out for a long time the paper curls up and gets damp so that it does not feed properly.</p> <p>Is the paper wavy or slack? Single sheet paper becomes wavy or slack due to changes in temperature or humidity which may result in the printer being unable to recognize the paper size correctly. In this case, flatten the paper before loading it in the printer.</p> <p>Is the paper too thick or too thin? Check that the paper is a specification that can be used with this printer. For information about the paper types and appropriate settings for printing on paper from other manufacturers or when using a raster image processor (RIP), please refer to the handling instructions for the paper, or contact the retailer of the paper or the manufacturer of the RIP.</p> <p>Are you using the printer at normal room temperature? Epson special media should be used at normal room temperature (temperature: 15 to 25°C, humidity: 40 to 60%).</p> <p>Is the paper jammed in the printer? Open the front cover of the printer and check that there are no paper jams or foreign objects in the printer. If there is a paper jam, remove the paper while referring to the following. ☞ See "To remove jammed paper, follow the steps below:" on page 109</p>
Unable to rewind the roll paper.	<p>Is the status of the printer after the paper cut but in the READY state? Rewinds the roll paper automatically when pressing the  button in the waiting mode after cutting the paper. If you use the optional Auto Take-up Reel Unit, the printer does not rewind the paper.</p>

Problem Solver

Cause	What to do
<p>The paper is jammed.</p>	<p>To remove jammed paper, follow the steps below:</p> <ol style="list-style-type: none"> 1. If roll paper is jammed, open the roll paper cover and cut the paper at the paper insertion slot.  <ol style="list-style-type: none"> 2. Make sure that the Pause light is not flashing, and then press the  button to release the paper presser.  <ol style="list-style-type: none"> 3. Rewind the roll paper. 

Problem Solver

Cause	What to do
The paper is jammed	<p data-bbox="555 286 1200 315">4. Open the front cover if the paper is jammed inside the printer.</p>  <p data-bbox="555 875 1422 958">Caution: Be careful not to touch the cables around the print head; otherwise, the printer may be damaged.</p> <p data-bbox="555 981 944 1010">5. Carefully remove the jammed paper.</p> <p data-bbox="555 1025 1366 1055">Be careful not to touch the roller, ink absorption, and ink tubes inside the printer.</p>  <p data-bbox="555 1608 1214 1637">6. Close the front cover, and then turn the printer off and back on.</p> <p data-bbox="555 1653 999 1682">To load the paper, see the following section.</p> <ul data-bbox="555 1686 963 1738" style="list-style-type: none"><li data-bbox="555 1686 900 1715">☞ "Using Roll Paper" on page 32<li data-bbox="555 1715 963 1738">☞ "Using Cut Sheet Media" on page 39

Problem Solver

Other troubles

Cause	What to do
Color ink runs out quickly even when printing in the Advanced B&W Photo mode or when printing black data.	<p>Color ink is consumed in print head cleaning. When print head cleaning is performed, all nozzles are cleaned so that the ink for all colors is consumed. (Even when Advanced B&W Photo mode is selected, the ink for all colors is consumed during cleaning.) However, when you specify nozzles using CLEAN COLOR PAIRS in the MAINTENANCE menu, you can save the inks when you perform cleaning.</p> <p>☞ See "Head cleaning" on page 79</p>
The printer driver is not the latest version.	<p>Please obtain the latest printer driver. Normally the printer driver packaged with the printer can be used without any problems. However, when applications are upgraded, it may be necessary to upgrade the printer driver. In this case, access the Epson Web site to obtain the latest printer driver.</p>
The paper is not cut cleanly.	<p>Replace the cutter. If the paper is not cut cleanly or the cut edge is fuzzy, replace the cutter.</p> <p>☞ See "Replacing the Cutter" on page 73</p>
There are copies of the printer driver in Windows.	<p>Have you installed the same printer driver several times? If you install the driver for this printer when the driver for the printer is already installed in Windows, icons labeled as copies appear in the Printer or Printers and Faxes folder (e.g., [EPSON Stylus Pro 9890 (Copy 2)], [EPSON Stylus Pro 9890 (Copy 3)]) You may delete the copies and leave the icon of the original driver. If at least one icon remains for the printer in the printer folder, the printer driver itself is not deleted even if the other icons are deleted.</p>
The red light is on inside the printer.	<p>This is not a failure. The red light is a lamp inside the printer.</p>
The plastic part in the roll paper cover comes off.	<p>Reattach the part. Reattach the plastic part from the rear side of the printer, keeping the roll paper cover closed. Insert the part from its top edge into the roll paper cover.</p>

Using the Printer Driver (Windows)

Using the Printer Driver (Windows)

Displaying the Settings Screen

You can access the printer driver in the following ways:

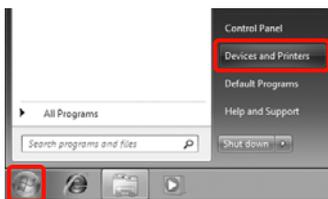
- ❑ From Windows applications
 - See “Print Settings” on page 55
- ❑ From the Printer icon

From the Printer icon

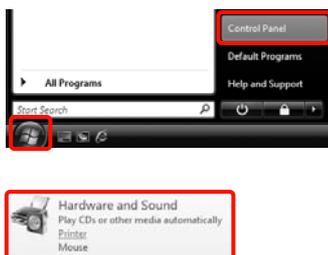
Follow the steps below when specifying common settings among applications or performing printer maintenance, such as Nozzle Check or Head Cleaning.

- 1 Open the **Printers** or **Printers and Faxes** folder.

For Windows 7
Click  and then **Devices and Printers**.



For Windows Vista
Click , **Control Panel**, **Hardware and Sound**, and then **Printer**.



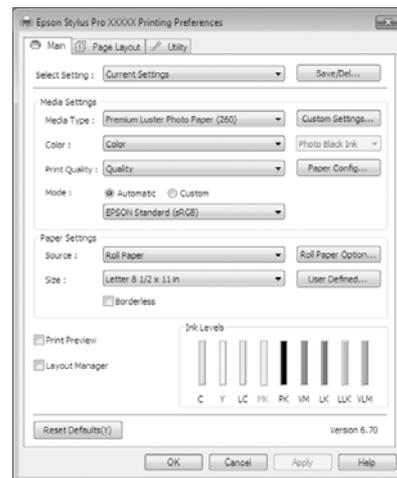
For Windows XP
Click **Start**, **Control Panel**, **Printers and Other Hardware**, and then **Printers and Faxes**.

Note:
If your Windows XP Control Panel is in **Classic View**, click **Start**, **Control Panel**, and then **Printers and Faxes**.

- 2 Right-click your printer icon, and click **Printing preferences**.



The printer driver setting screen is displayed.



Make the necessary settings. These settings become the default settings of the printer driver.

Using the Printer Driver (Windows)

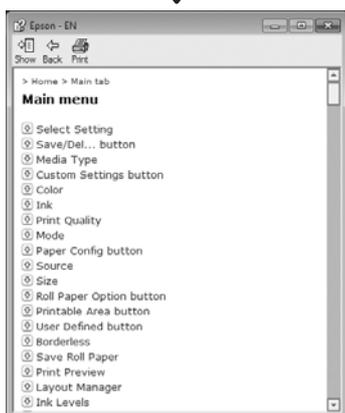
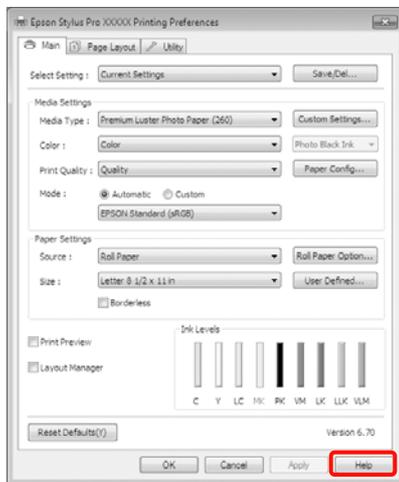
Displaying Help

You can access the printer driver help in the following ways:

- Click **Help**
- Right-click on the item you want to check

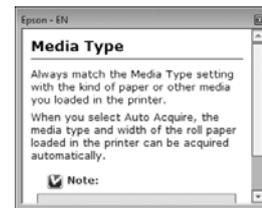
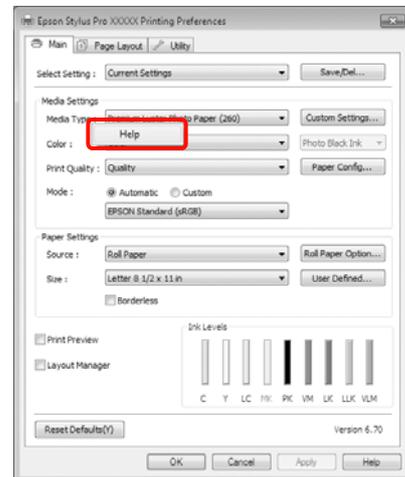
Click the Help Button to Display

By displaying help, you can use the contents page or keyword search to read the help.



Right-click on the item you want to check and display

Right-click the item, and then click **Help**.



Note:

In Windows XP, click **?** on the title bar, and then click the help item you want to view.

Using the Printer Driver (Windows)

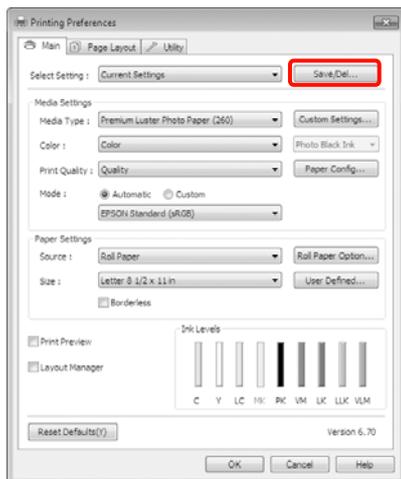
Customizing the Printer Driver

You can save the settings or change the display items as you prefer.

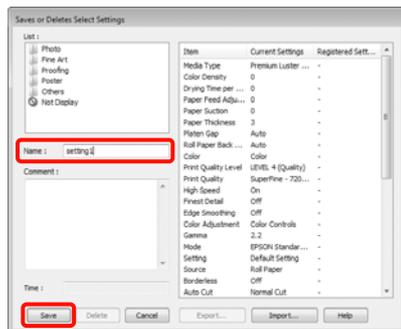
Saving various settings as your Select Settings

You can save all of the setting items in the printer driver.

- 1 Set each item for the **Main** screen and the **Page Layout** screen that you want to save as your Select Settings.
- 2 Click **Save/Del.** on the **Main** or **Page Layout** screen.



- 3 Enter any name in the **Name** box, and then click **Save**.



You can save up to 100 settings. You can choose a setting you have registered from the **Select Settings** list box.

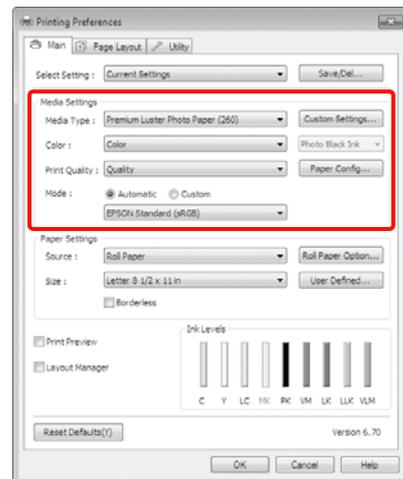
Note:

You can save the settings as a file by clicking **Export**. You can share the settings by clicking **Import** to import the saved file on another computer.

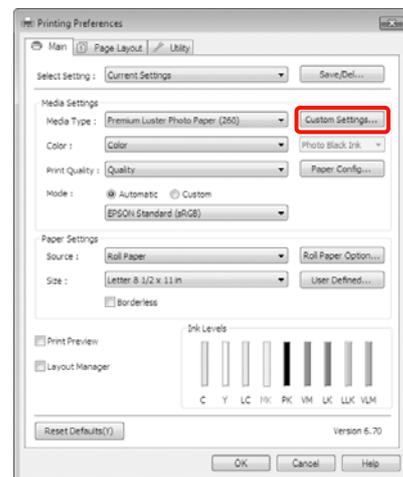
Saving media settings

You can save the items of the **Media Settings** on the **Main** screen.

- 1 Change the **Media Settings** items on the **Main** screen.

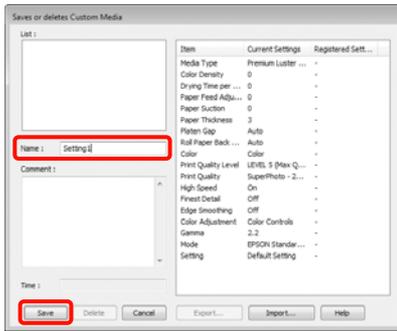


- 2 Click **Custom Settings**.



Using the Printer Driver (Windows)

- 3** Enter any name in the **Name** box, and then click **Save**.



You can save up to 100 settings. You can choose a setting you have registered from the **Media Type** list box.

Note:

You can save the settings as a file by clicking **Export**. You can share the settings by clicking **Import** to import the saved file on another computer.

Rearranging display items

To display frequently used items right away, you can arrange **Select Setting**, **Media Type**, and **Paper Size** as follows.

- Hide unnecessary items.
- Rearrange in an order of most frequent use.
- Arrange in groups (folders).

- 1** Go to the **Utility** tab and click **Menu Arrangement**.

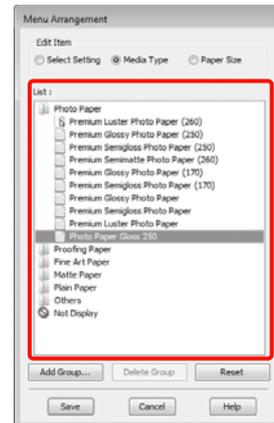


- 2** Select **Edit Item**.



- 3** Order or group items in the **List** box.

- You can move and order items by dragging and dropping.
- To add a new group (folder), click **Add Group**.
- To delete a group (folder), click **Delete Group**.
- Drag and drop unnecessary items to **Not Display**.



Note:

When **Delete Group** is performed, the group (folder) is deleted, however the items in the deleted group (folder) remain.

- 4** Click **Save**.

Using the Printer Driver (Windows)

Summary of the Utility Tab

You can perform the following maintenance functions from the printer driver's **Utility** tab.



Nozzle Check

This function prints a nozzle check pattern to check if the print head nozzles are clogged. If you see banding or gaps in the print outs, perform head cleaning to clear any clogged nozzles.

☞ See “Head cleaning” on page 79

Head cleaning

If you see banding or gaps in the print outs, perform head cleaning. It cleans the surface of the print head to improve the print quality.

☞ See “Head cleaning” on page 79

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 gaps.

☞ See “Print head alignment” on page 83

EPSON Status Monitor 3

You can check the printer's status, such as the remaining ink level and error messages, from the computer's screen.



Monitoring Preferences

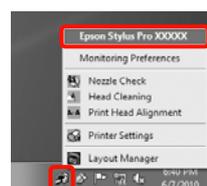
You can select the error notifications displayed on the EPSON Status Monitor 3 screen, or register a shortcut for the Utility icon to the Taskbar.

Note:

If you select the **Shortcut Icon** on the **Monitoring Preferences** screen, the **Utility** shortcut icon is displayed on the **Windows Taskbar**.

By right-clicking the icon, you can display the following menu and perform maintenance functions.

EPSON Status Monitor 3 starts when the printer name is clicked from the displayed menu.



Print Queue

You can display the list of all waiting jobs.

On the Print Queue screen, you can view information on the data waiting to be printed, delete and reprint these jobs.

Speed and Progress

You can set various functions for printer driver basic operations.

Using the Printer Driver (Windows)

Menu Arrangement

You can arrange display items, **Select Setting**, **Media Type**, and **Paper Size**, for example, you can reorder them by the frequency of your access. See "Rearranging display items" on page 115

Export or Import

You can export or import the printer driver settings. This function is useful when you want to make the same printer driver settings on multiple computers.

EPSON LFP Remote Panel 2

You can update the printer's firmware and make custom paper settings. See the EPSON LFP Remote Panel 2 help for details.

Note:

If **EPSON LFP Remote Panel 2** and **Printer Firmware Update** are grayed out, EPSON LFP Remote Panel 2 is not installed. Install using the Software List from the Software Disc.

Printer Firmware Update

You can update the printer's firmware to the latest version. See the EPSON LFP Remote Panel 2 help for details.

Printer Linearization

Installing the Printer Linearization utility supplied with this printer enables this function. You can then use the optional SpectroProofer to perform high-accuracy color calibration, or perform standard color calibration using the printer's built-in sensor. For more details, see the Printer Linearization help. You can also perform similar calibrations if the SpectroProofer Utilities (Ver. 2.11 or later) is installed.

Uninstalling the printer driver

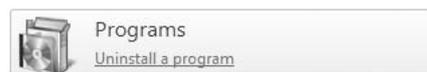
Follow the steps below to remove the printer driver and EPSON LFP Remote Panel 2.

Note:

- You must log in with an Administrator account.
- In Windows 7/Windows Vista, if an Administrator password or confirmation is requested, enter the password and then continue with the operation.

1 Turn off the printer, and unplug the interface cable.

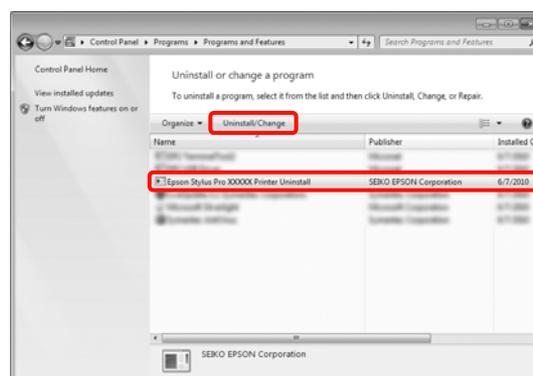
2 Go to the **Control Panel** and click **Uninstall a program** from the **Programs** category.



3 Select the software you want to remove and then click **Uninstall/Change** (or **Change/Remove/add or remove**).

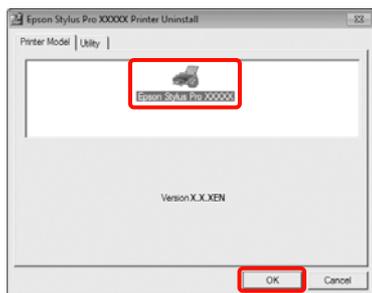
You can remove EPSON Status Monitor 3 and the printer driver by selecting **Epson Stylus Pro 9890/9908 (or 7890/7908) Printer Uninstall**.

Select **EPSON LFP Remote Panel 2** to remove EPSON LFP Remote Panel 2.



Using the Printer Driver (Windows)

- 4** Select the target printer icon, and then click **OK**.



Note:

You can also remove **Epson Network Utility** by clicking the **Utility** tab and selecting the **Epson Network Utility**. However, if you are using other Epson printer(s), their printer driver(s) may also be using the Epson Network Utility. If you are using other Epson printer(s), do not remove Epson Network Utility.

- 5** 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.

Using the Printer Driver (Mac OS X)

Displaying the Settings Screen

The display method of the printer driver setting screen may differ depending on the application or the OS version.

☞ See “Printing procedures (Mac OS X)” on page 56

Displaying Help

Click  in the printer driver setting screen to display Help.



Using Epson Printer Utility 4

You can perform maintenance tasks such as Nozzle Check or Head Cleaning by using Epson Printer Utility 4. This utility is installed automatically when you install the printer driver.

Starting Epson Printer Utility 4

Double-click the **Applications** folder, the **Epson Software** folder, and then the **Epson Printer Utility 4** icon.

Epson Printer Utility 4 Functions

You can perform the following maintenance functions from Epson Printer Utility 4.



Using the Printer Driver (Mac OS X)

EPSON Status Monitor

You can check the printer's status, such as the remaining ink level and error messages, from the computer's screen.



Nozzle Check

This function prints a nozzle check pattern to check if the print head nozzles are clogged. If you see banding or gaps in the print outs, perform head cleaning to clear any clogged nozzles.

➤ See "Head cleaning" on page 79

Head cleaning

If you see banding or gaps in the print outs, perform head cleaning. Cleans the surface of the print head to improve the print quality.

➤ See "Head cleaning" on page 79

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 gaps.

➤ See "Print head alignment" on page 83

EPSON LFP Remote Panel 2

You can update the printer's firmware and make custom paper settings. See the EPSON LFP Remote Panel 2 help for details.

Printer Firmware Update

You can update the printer's firmware to the latest version. See the EPSON LFP Remote Panel 2 help for details.

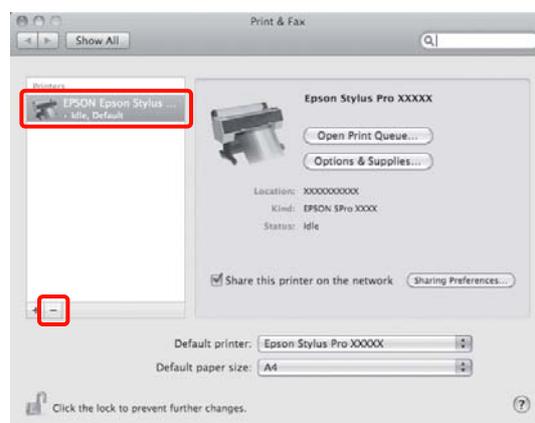
Uninstalling the printer driver

Follow the steps below to remove the printer driver and EPSON LFP Remote Panel 2.

Note:

You must log in with an Administrator account.

- 1 Turn off the printer, and unplug the interface cable.
- 2 Close all open applications.
- 3 Click the Apple Menu, the **System Preferences** folder, and then the **Print & Fax (Print & Scan for Mac OS X v10.7)** folder.
- 4 Select this printer, and then click -.



- 5 Click **Delete Printer** (or **OK**).
- 6 Insert the "Software Disc" supplied with this printer into your computer.

Using the Printer Driver (Mac OS X)

- 7** Double-click the **Printer** folder and then the **Driver** folder.

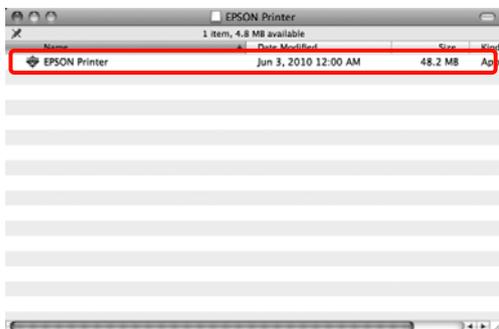


Note:

If the folder does not appear, double-click the EPSON icon on the desktop.



- 8** Double-click the icon.



- 9** If the following screen is displayed, enter the password for the user logged in to the Mac OS X, and then click **OK**.



- 10** If the license agreement screen is displayed, confirm the contents, click **Continue**, and then click **Agree**.

- 11** Select **Uninstall**, and then click **Uninstall**.



- 12** Follow the on-screen instructions to continue.

Removing EPSON LFP Remote Panel 2

Delete EPSON LFP Remote Panel 2 by deleting the EPSON LFP Remote Panel 2 folder. See the EPSON LFP Remote Panel 2 help for details.

Printing Varieties

Printing Varieties

Auto Correct Color and Print Photos (PhotoEnhance)

The printer driver for this printer comes with the Epson proprietary function PhotoEnhance that makes the most efficient use of the color reproduction area, corrects image data to improve colors before printing.

By using PhotoEnhance, you can correct photo colors to match the subject types such as people, scenery, or night view. You can print color data in sepia or black and white. Colors are automatically corrected simply by selecting the print mode.

Note:
It is recommended that you use images with a color space of sRGB.

This function is not available for Mac OS X.

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.

Depending on the type of the application, make the settings following the table below.

Adobe Photoshop CS3 or later
 Adobe Photoshop Elements 6.0 or later
 Adobe Photoshop Lightroom 1 or later

OS	Color Management Settings
Windows 7 Windows Vista	Printer Manages Colors
Windows XP (Service Pack 2 or later and .NET 3.0 or later)	

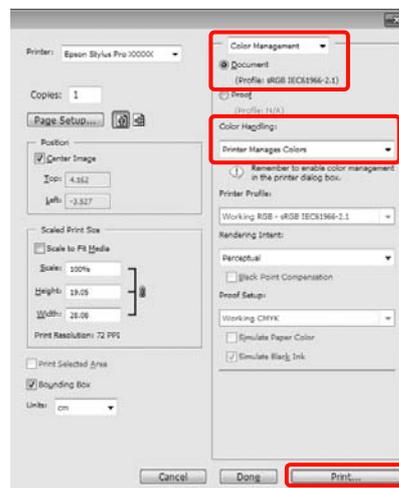
OS	Color Management Settings
Windows XP (other than the above)	No Color Management

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

Example of Adobe Photoshop CS4

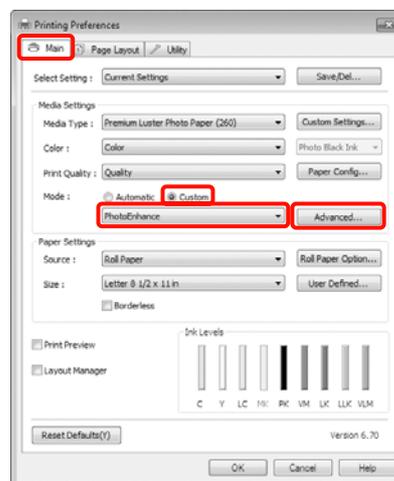
Open the **Print** screen.

Select **Color Management** and then **Document**. Select **Printer Manages Colors** as the **Color Handling** setting, and then click **Print**.



2 When the printer driver's **Main** screen is displayed, click **Custom**, **PhotoEnhance**, and then **Advanced**.

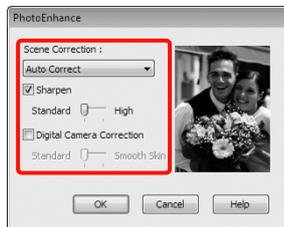
See "Print Settings" on page 55



Printing Varieties

- 3** On the **PhotoEnhance** screen, you can set effects to apply to the print data.

See the printer driver help for more details on each item.



- 4** Check other settings, and then start printing.

Correct color and print

The printer driver automatically and internally corrects colors to match the color space. You can select from the following color correction modes.

- Charts and Graphs

Performs color correction to sharpen your images based on the sRGB space.

- EPSON Standard (sRGB)

Optimizes the sRGB space and corrects the color.

- Adobe RGB

Optimizes the Adobe RGB space and corrects the color.

Furthermore, if you select Color Controls, you can fine-tune Gamma, Brightness, Contrast, Saturation, and Color Balance for each color correction mode.

Use this option when the application in use does not have a color correction function.

Making Settings in 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.

Depending on the type of the application, make the settings following the table below.

Adobe Photoshop CS3 or later
 Adobe Photoshop Elements 6.0 or later
 Adobe Photoshop Lightroom 1 or later

Printing Varieties

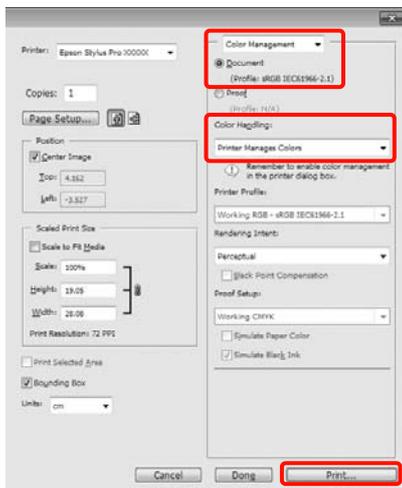
OS	Color Management Settings
Windows 7 Windows Vista	Printer Manages Colors
Windows XP (Service Pack 2 or later and .NET 3.0 or later)	Printer Manages Colors
Windows XP (other than the above)	No Color Management

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

Example of Adobe Photoshop CS4

Open the **Print** screen.

Select **Color Management** and then **Document**. Select **Printer Manages Colors** as the **Color Handling** setting, and then click **Print**.

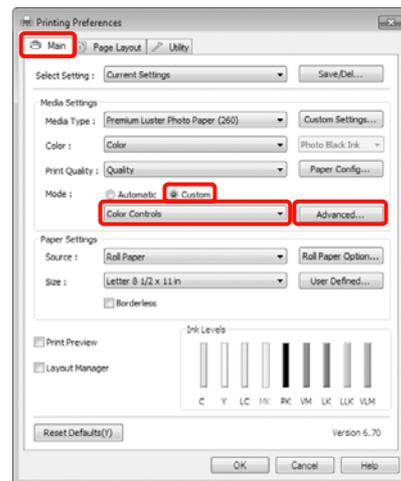


2 When the printer driver's **Main** screen is displayed, select the color correction mode.

See "Print Settings" on page 55

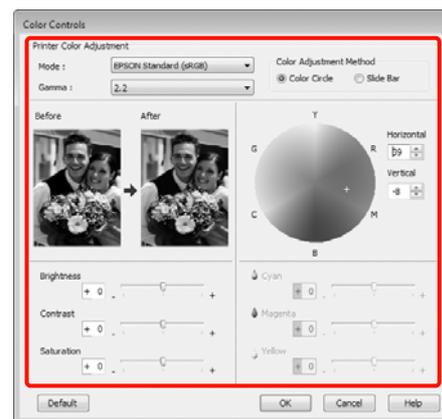
To perform automatic color correction, select **Automatic** and then select the color correction mode.

If you select **Custom** mode to make settings manually, select **Color Controls**, and then click **Advanced**.



3 Set each item when you select **Custom**.

See the printer driver help for more details on each item.



Note:

You can adjust the correction value by checking the sample image on the left side of the screen. You can also use the color circle to fine-tune the color balance.

Printing Varieties

4 Check other settings, and then start printing.

Making Settings for Mac OS X

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.

Depending on the type of the application, make the settings following the table below.

Adobe Photoshop CS3 or later
 Adobe Photoshop Elements 6 or later
 Adobe Photoshop Lightroom 1 or later

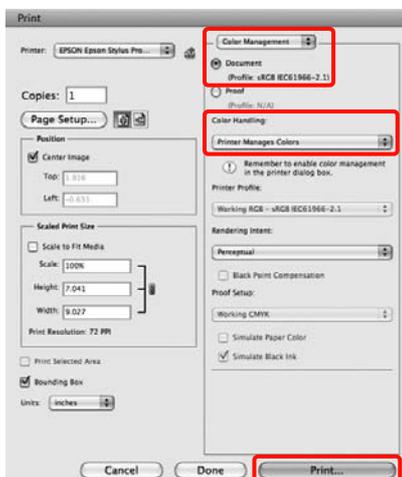
OS	Color Management Settings
Mac OS X v10.7, 10.6 and 10.5	Printer Manages Colors
Mac OS X 10.4	No Color Management

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

Example of Adobe Photoshop CS4

Open the **Print** screen.

Select **Color Management** and then **Document**.
 Select **Printer Manages Colors** as the **Color Handling** setting, and then click **Print**.



2 Display the Print screen.

See “Printing procedures (Mac OS X)” on page 56

3 For Mac OS X 10.7, 10.6 and 10.5, select **Color Matching** from the list, and then click **EPSON Color Controls**.

For Mac OS X 10.4, go to step 4.



Note:

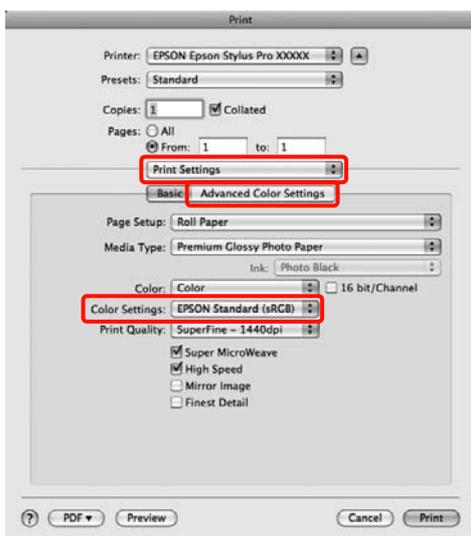
When using the following applications with Mac OS X 10.7, 10.6 and 10.5, make sure you perform step 1, otherwise you cannot select **EPSON Color Controls**.

- Adobe Photoshop CS3 or later
- Adobe Photoshop Lightroom 1 or later
- Adobe Photoshop Elements 6 or later

Printing Varieties

- 4** Display the **Advanced Color Settings** screen for color correction.

Select **Print Settings** from the list, and select **EPSON Standard (sRGB)** or **Charts and Graphs**, from **Color Controls** in **Color Settings**. When adjusting the parameters manually, click **Advanced Color Settings**.



Note:

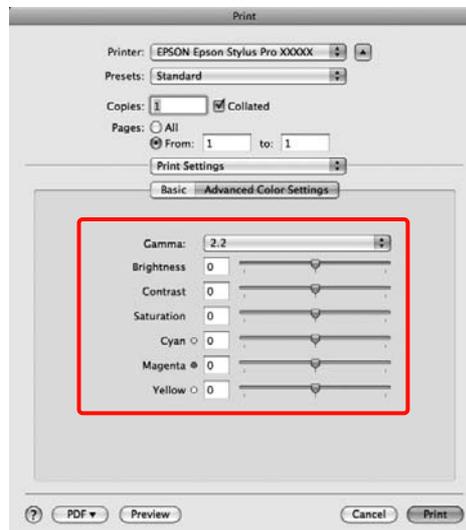
When using the following applications with Mac OS X 10.5, clear the **Use Generic RGB** checkbox.

- Adobe Photoshop CS3 or later
- Adobe Photoshop Lightroom 1 or later
- Adobe Photoshop Elements 6 or later

Select the check box when using a different application from those listed above.

- 5** Make the necessary settings.

See the printer driver help for more details on each item.



- 6** Check other settings, and then start printing.

Printing Varieties

Printing Black and White Photos

You can print black and white photos with rich gradation by adjusting the image data color by the printer driver.

The original data is not affected.

You can correct image data when printing without processing the data from applications.

Note:
It is recommended that you use images with a color space of sRGB.

Making Settings in 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.

Depending on the type of the application, make the settings following the table below.

Adobe Photoshop CS3 or later
 Adobe Photoshop Elements 6 or later
 Adobe Photoshop Lightroom 1 or later

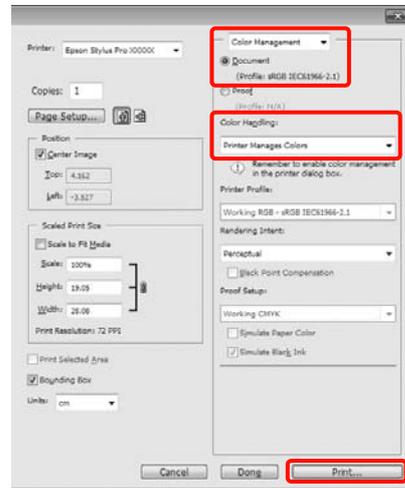
OS	Color Management Settings
Windows 7 Windows Vista	Printer Manages Colors
Windows XP (Service Pack 2 or later and .NET 3.0 or later)	
Windows XP (other than the above)	No Color Management

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

Example of Adobe Photoshop CS4

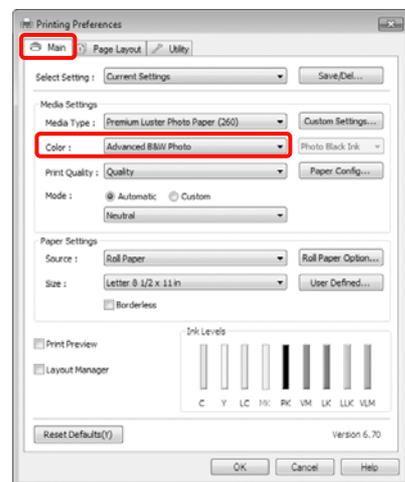
Open the **Print** screen.

Select **Color Management** and then **Document**. Select **Printer Manages Colors** or **No Color Management** as the **Color Handling** setting, and then click **Print**.



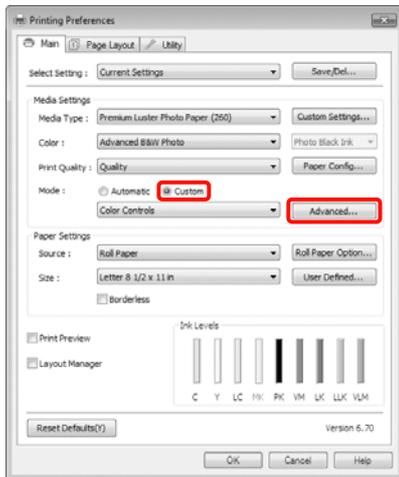
- 2 When the printer driver's **Main** screen is displayed, select **Advanced B&W Photo** as the **Color**.

➔ See "Print Settings" on page 55



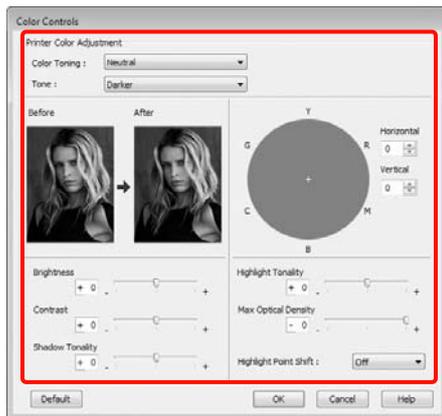
Printing Varieties

- 3 Select **Custom** as the **Mode** setting, and then click **Advanced**.



- 4 Make the necessary settings.

See the printer driver help for more details on each item.



- 5 Check other settings, and then start printing.

Making Settings for Mac OS X

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

Depending on the type of the application, make the settings following the table below.

Adobe Photoshop CS3 or later
 Adobe Photoshop Elements 6 or later
 Adobe Photoshop Lightroom 1 or later

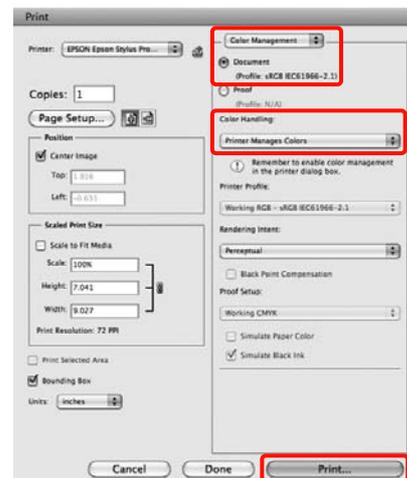
OS	Color Management Settings
Mac OS X 10.7, 10.6 and 10.5	Printer Manages Colors
Mac OS X 10.4	No Color Management

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

Example of Adobe Photoshop CS4

Open the **Print** screen.

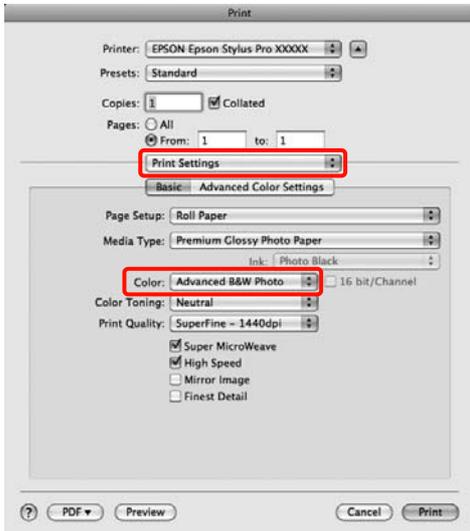
Select **Color Management** and then **Document**. Select **Printer Manages Colors** as the **Color Handling** setting, and then click **Print**.



Printing Varieties

- 2** Display the Print screen, select **Print Settings** from the list, and then select **Advanced B&W Photo** as the **Color**.

See “Printing procedures (Mac OS X)” on page 56



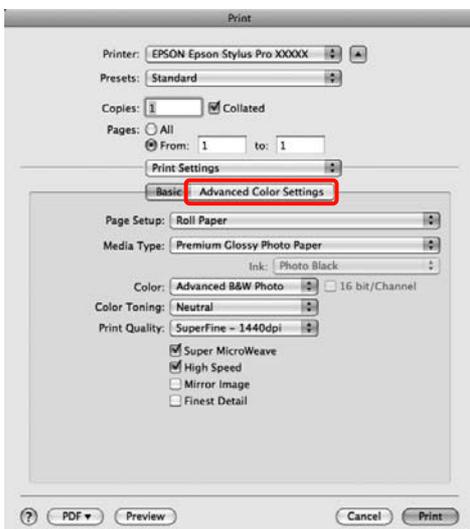
Note:

When using the following applications with Mac OS X 10.5, clear the **Use Generic RGB** checkbox.

- Adobe Photoshop CS3 or later
- Adobe Photoshop Lightroom 1 or later
- Adobe Photoshop Elements 6 or later

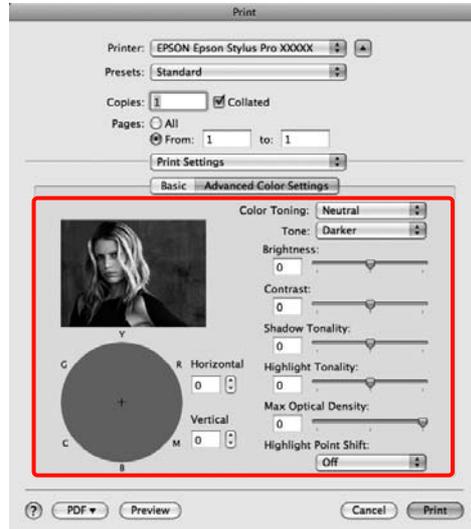
Select the check box when using a different application from those listed above.

- 3** Click **Advanced Color Settings**.



- 4** Make the necessary settings.

See the printer driver help for more details on each item.



- 5** Check other settings, and then start printing.

Printing Varieties

Borderless printing

You can print your data without margins on the paper.

The types of borderless printing you can choose vary as shown below depending on the media type.

Roll Paper: No margins for all edges*, no margins for the left and right

Cut Sheets: No margins for the left and right only

* When the optional SpectroProofer is installed borderless printing for all edges cannot be performed.

When printing borderless for all edges you can also configure the cutting operation.  See "About Roll Paper Cutting" on page 132

When performing left and right borderless printing, margins appear on the top and bottom of the paper.

Top and bottom margin values  See "Printable area" on page 53

Types of Borderless Printing Methods

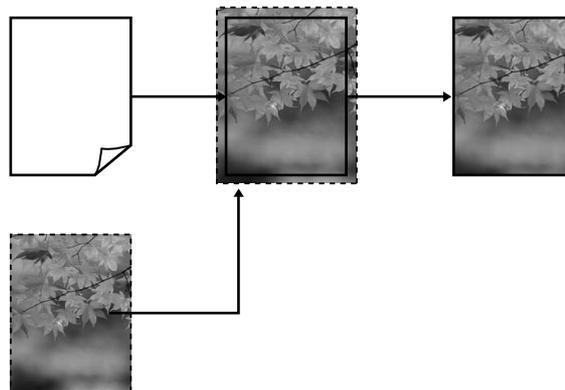
You can perform borderless printing using the following two methods.

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.

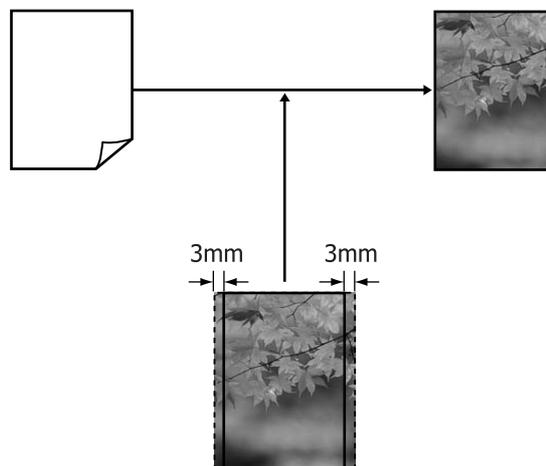


Retain Size

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.

- Create print data larger than its actual print size by 3 mm on the left and right (6 mm in total).
- If the application has margin settings, set the margins to 0 mm.
- Make the image data as large as the paper size.

Select this setting if you want to avoid image enlargement by the printer driver.



Supported Media Sizes for Borderless Printing

The following media sizes are supported for borderless printing.

Paper widths
254 mm/10 inch
300 mm
329 mm/13 inch/Super A3
406 mm/16 inch
432 mm/17 inch
515 mm/B2
594 mm/A1
610 mm/24 inch/Super A1
728 mm/B1*
914 mm/36 inch/Super A0*
1118 mm/44 inch/Super B0*

* Epson Stylus Pro 7890/7908 does not support these size.

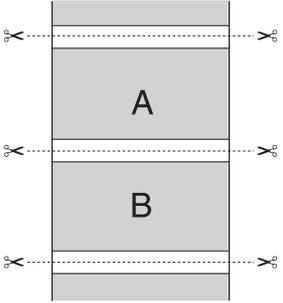
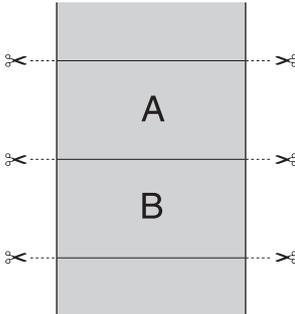
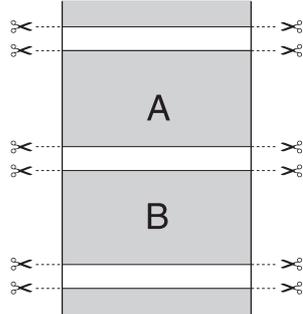
Depending on the media type, the print quality may decline or the borderless printing is not supported. See the following section for detailed information.

 See "Paper Information" on page 160

Printing Varieties

About Roll Paper Cutting

When performing borderless printing on roll paper, you can specify whether it is left and right borderless printing or all edges borderless printing, and how to cut the paper in the printer driver's **Roll Paper Option**. The cutting operation for each value is shown in the following chart.

Printer driver settings	Normal Cut	Single Cut	Double Cut
Cutting Operation			
Explanation	<p>The default printer driver setting is Normal Cut.</p>	<ul style="list-style-type: none"> <input type="checkbox"/> The top area may become slightly uneven depending on the image since the print operation stops while cutting the top edge of the roll paper. <input type="checkbox"/> If the cut position is misaligned slightly, small parts of the image may be shown on the top or bottom of the adjacent pages. If this occurs, perform Cutter Adjustment.  See "MAINTENANCE" on page 23 <input type="checkbox"/> When printing only one page the operation performed is the same as that for Double Cut. When continuously printing multiple sheets, the printer cuts 1 mm inside on the top edge of the first page and the bottom edge of the subsequent pages to avoid showing margins. 	<ul style="list-style-type: none"> <input type="checkbox"/> The top area may become slightly uneven depending on the image since the print operation stops while cutting the top edge of the roll paper. <input type="checkbox"/> The printed paper is approximately 2 mm shorter than the specified size since the printer cuts the paper inside the image to avoid showing top and bottom margins. <input type="checkbox"/> After cutting the bottom edge of the previous page, the printer feeds the paper, and then cuts the top edge of the following page. Although this produces 80 to 127 mm cut-off pieces, the cut is more accurate.

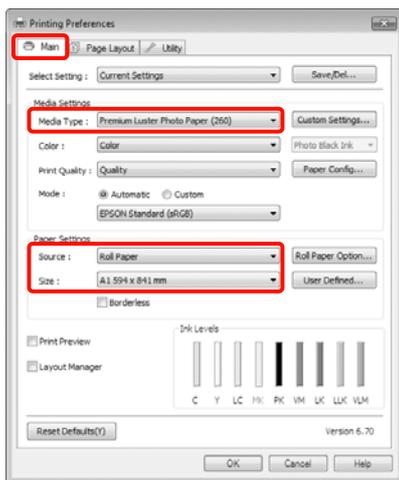
Printing Varieties

Setting Procedures for Printing

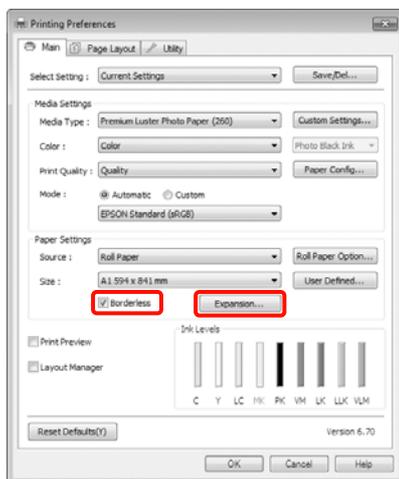
Making Settings in Windows

1 When the printer driver's **Main** screen is displayed, you can configure various settings required for printing such as **Media Type**, **Source**, **Page Size**.

☞ See “Print Settings” on page 55



2 Select **Borderless**, and then click **Expansion**.



3 Select **Auto Expand** or **Retain Size** as the **Method of Enlargement**. If you select **Auto Expand**, set how much of the image goes beyond the edge of the paper as shown below.

- Max : 3 mm for left and 5 mm for right (the image shifts 1 mm to the right)
- Standard : 3 mm for left and right
- Min : 1.5 mm for left and right



Note:
Moving the slider towards **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 When printing on roll paper, click **Roll Paper Option**, and select the **Auto Cut** setting.

☞ See “About Roll Paper Cutting” on page 132

5 Check other settings, and then start printing.

Making Settings for Mac OS X

1 Open the Print screen and select the paper size from the **Paper Size** option, and then select a borderless printing method.

☞ See “Printing procedures (Mac OS X)” on page 56

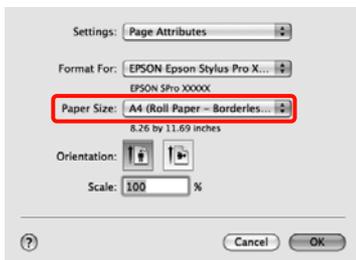
The selections for borderless printing methods are displayed as shown below.

Printing Varieties

XXXX (Roll Paper - Borderless (Auto Expand))
 XXXX (Roll Paper - Borderless (Retain Size))
 XXXX (Sheet - Borderless (Auto Expand))
 XXXX (Sheet - Borderless (Retain Size))

Where XXXX is the actual paper size, such as A4.

When using Mac OS X 10.4, or if items on the Page Setup screen are not displayed on the Print screen due to the application being used in Mac OS X 10.7, 10.6, or 10.5, display the Page Setup screen and make settings.



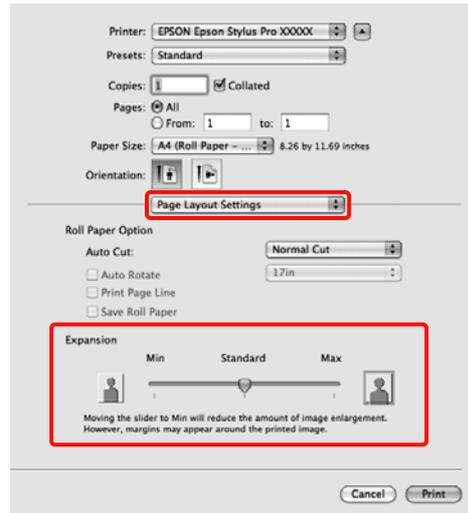
2 If **Auto Expand** is selected, set how much of the image goes beyond the edge of the paper in the **Expansion** screen.

Select **Page Layout Settings** from the list. The following shows how much the image will be larger than the paper edges.

Max : 3 mm for left and 5 mm for right
 (the image shifts 1 mm to the right)

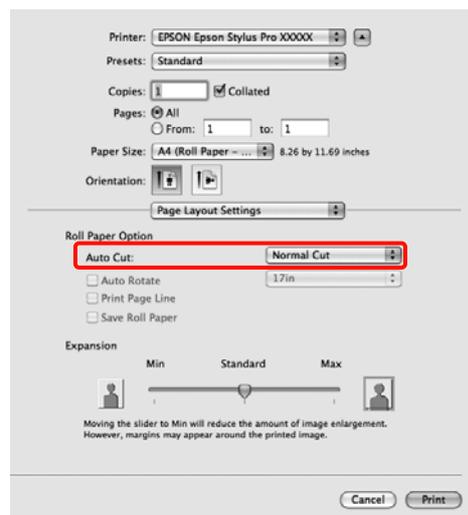
Standard : 3 mm for left and right

Min : 1.5 mm for left and right



Note:
 Moving the slider towards **Min** decreases the image enlargement ratio. Therefore, some margins may appear at the edges of the paper depending on the paper and printing environment.

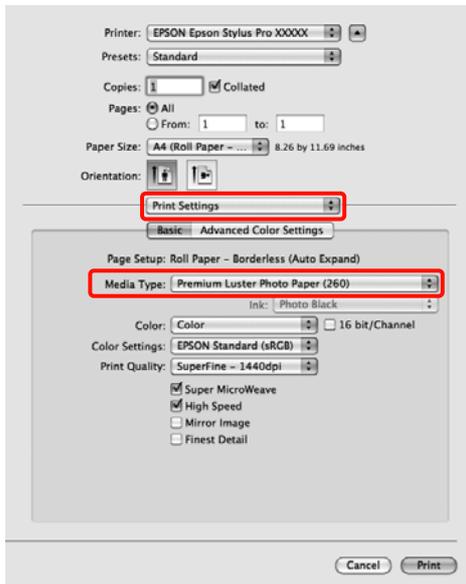
3 When printing on roll paper, select **Auto Cut**.



➤ See “About Roll Paper Cutting” on page 132

Printing Varieties

- 4 Select **Print Settings** from the list, and then set the **Media Type**.



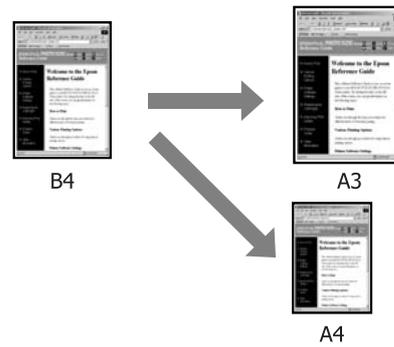
- 5 Check other settings, and then start printing.

Enlarged/Reduced Printing

You can enlarge or reduce the size of your data. There are three setting methods.

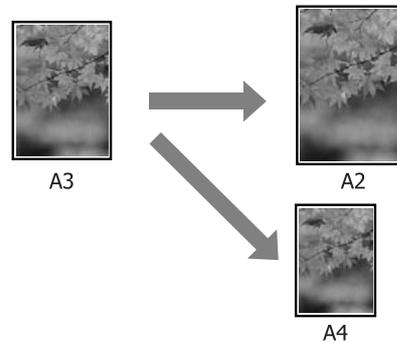
- Fit to Page printing

Automatically enlarges or reduces the image size to fit the paper size.



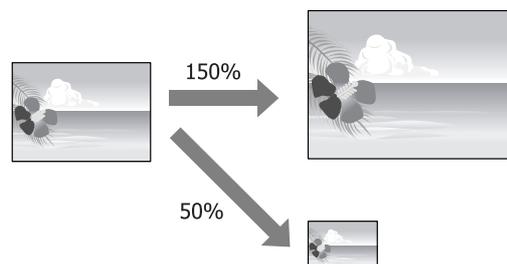
- Fit to Roll Paper Width (Windows only)

Automatically enlarges or reduces the image size to fit the roll paper width.



- Custom

You can specify the enlargement or reduction ratio. Use this method for a non-standard paper size.



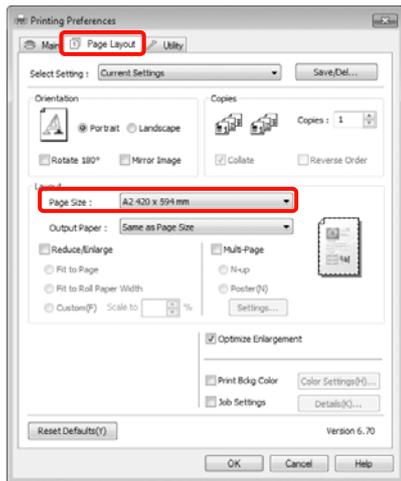
Printing Varieties

Fit to Page/Scale to fit paper size

Making Settings in Windows

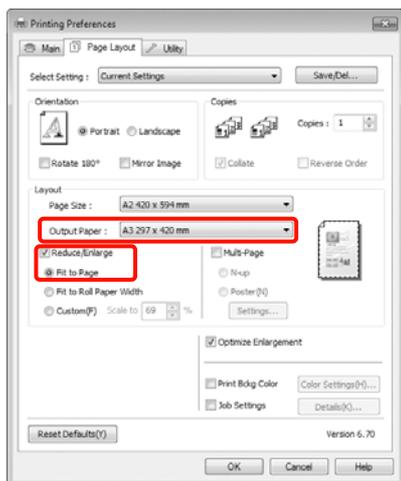
1 When the printer driver's **Page Layout** screen is displayed, set the same paper size as the data's paper size in **Page Size** or **Paper Size**.

See "Print Settings" on page 55



2 Select the size of the paper loaded in the printer from the **Output Paper** list.

Fit to Page is selected as **Reduce/Enlarge**.



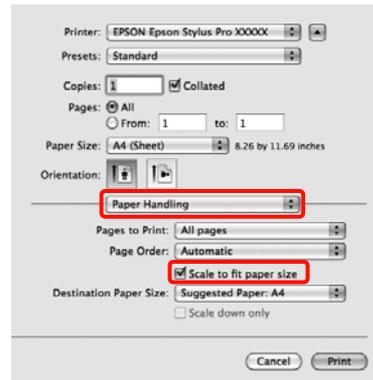
3 Check other settings, and then start printing.

Making Settings for Mac OS X

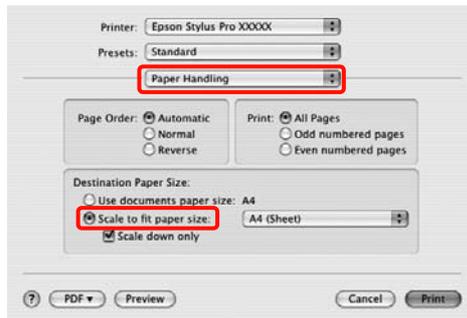
1 Open the Print screen, select **Paper Handling** from the list, and then check **Scale to fit paper size**.

See "Printing procedures (Mac OS X)" on page 56

For Mac OS X 10.7, 10.6, or 10.5



For Mac OS X 10.4



2 Select the size of the paper loaded in the printer as the **Destination Paper Size**.

Note:
When performing enlarged printing, clear the **Scale down only** check box.

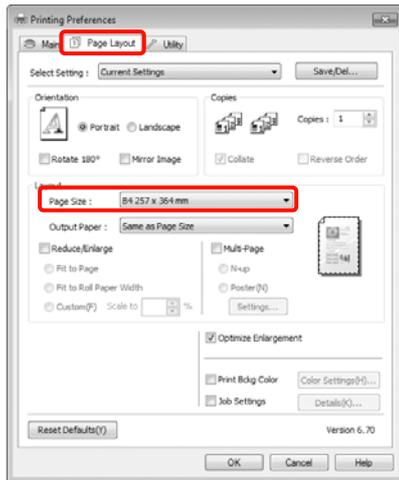
3 Check other settings, and then start printing.

Printing Varieties

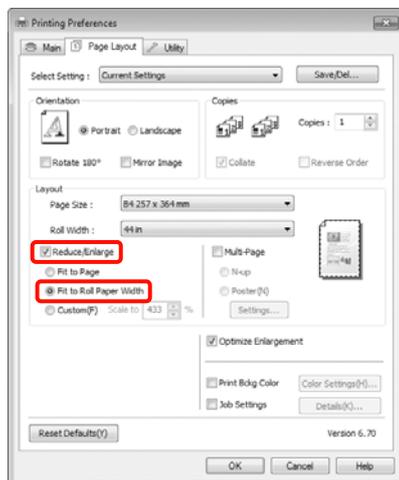
Fit to Roll Paper Width (Windows only)

- 1 When the printer driver's **Page Layout** screen is displayed, set the same paper size as the data's paper size in **Page Size** or **Paper Size**.

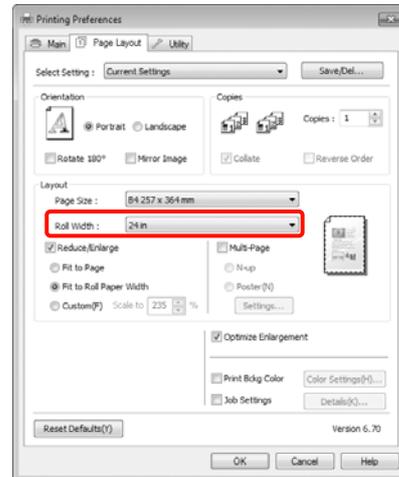
☞ See "Print Settings" on page 55



- 2 Select **Reduce/Enlarge**, and then click **Fit to Roll Paper Width**.



- 3 Select the width of the roll paper loaded in the printer from the **Roll Width** list.



- 4 Check other settings, and then start printing.

Custom Scale Setting

Making Settings in Windows

- 1 When the printer driver's **Page Layout** screen is displayed, set the same paper size as the data's paper size in **Page Size** or **Paper Size**.

☞ See "Print Settings" on page 55

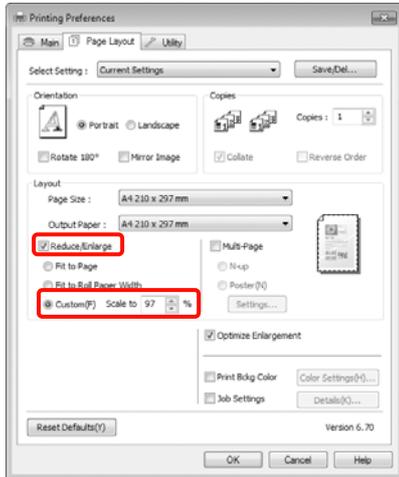
- 2 Select the size of the paper loaded in the printer from the **Output Paper** or **Roll Width** list.

Printing Varieties

- 3** Select **Reduce/Enlarge**, click **Custom**, and then set the **Scale to** value.

Enter a value directly or click the arrows to the right of the scale box to set the value.

Select the scale within a range of 10 to 650 %.



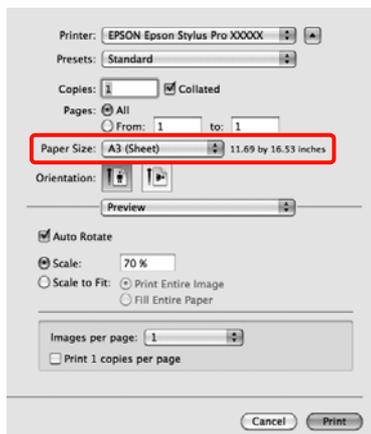
- 4** Check other settings, and then start printing.

Making Settings for Mac OS X

- 1** When the Print screen is displayed, select the size of the paper loaded in the printer from the **Paper Size** list.

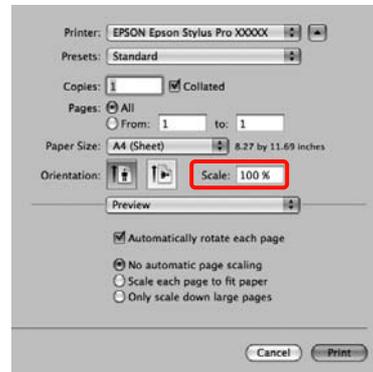
When using Mac OS X 10.4, or if items on the Page Setup screen are not displayed on the Print screen due to the application being used in Mac OS X 10.7, 10.6, or 10.5, display the Page Setup screen and make settings.

☞ See “Printing procedures (Mac OS X)” on page 56



- 2** Set the scale in **Scale**.

If **Scale** is not displayed on the Print screen, open the Page Setup screen, and then make the settings.



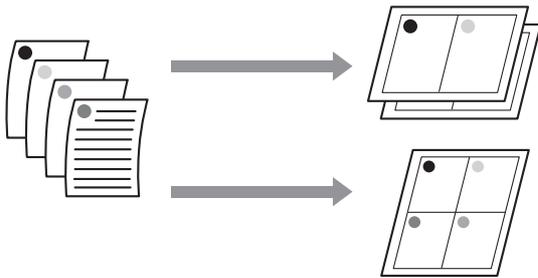
You can now print as normal.

Printing Varieties

Multi-Page Printing

You can print multiple pages of your document on one sheet of paper.

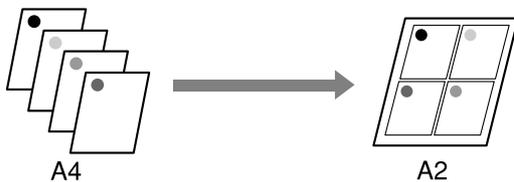
If you print continuous data prepared at A4 size, it is printed as shown below.



Note:

- In Windows, you cannot use the Multi-Page printing function when performing borderless printing.
- In Windows, you can use the reduce/enlarge function (Fit to Page) to print the data on different sizes of paper.

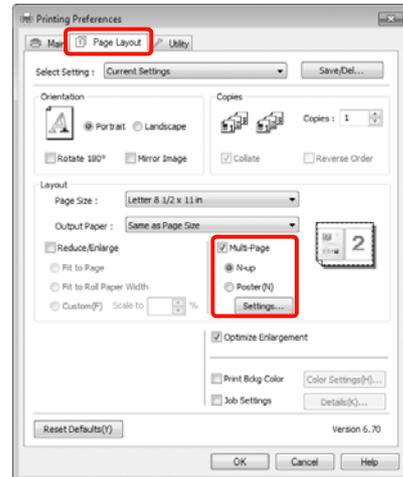
See “Enlarged/Reduced Printing” on page 135



Making Settings in Windows

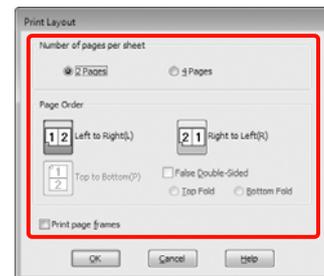
- 1 When the printer driver's **Page Layout** screen is displayed, select the **Multi-Page** check box, select **N-up**, and then click **Settings**.

See “Print Settings” on page 55



- 2 In the **Print Layout** screen, specify the number of pages per sheet and the page order.

If the **Print page frames** check box is selected, page frames are printed on each page.



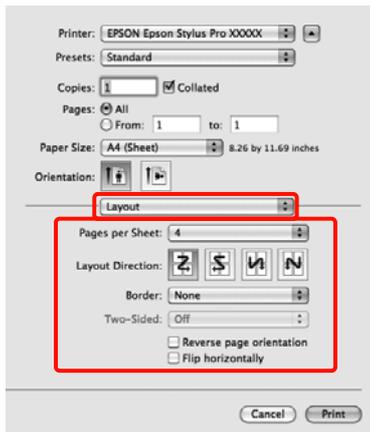
- 3 Check other settings, and then start printing.

Printing Varieties

Making Settings for Mac OS X

- 1 When the Print screen is displayed, select **Layout** from the list, and then specify the number of pages per sheet and so on.

See “Printing procedures (Mac OS X)” on page 56



Note:

You can print frames around arranged pages using the **Border** function.

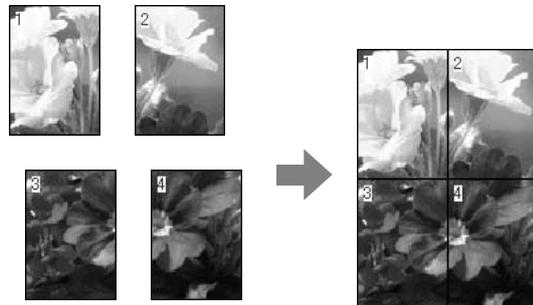
- 2 Check other settings, and then start printing.

Poster Printing (Enlarge to cover several sheets and print - Windows only)

The poster printing function automatically enlarges and divides the print data. You can join the printed sheets to create a large poster or calendar. Poster printing is available up to 16-fold (four sheets by four sheets) of normal printing size. There are two ways to print posters.

- Borderless poster printing (Roll paper only)

This automatically enlarges and divides the print data and prints without margins. You can make a poster just by joining the output paper together. To perform borderless printing, the data is expanded so that it extends slightly over the paper size. Enlarged areas that exceed the paper are not printed. Therefore, the image may misalign at the joins. To join the pages precisely, perform the following poster printing with margins.

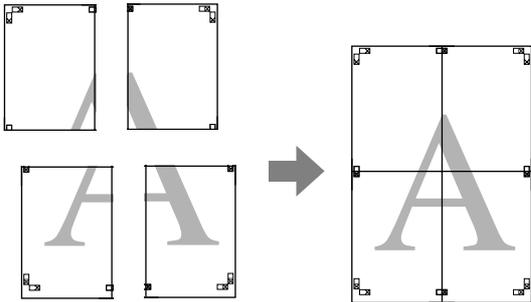


- Poster printing with margins

This automatically enlarges and divides the print data and prints with margins. You need to cut the margins and then join the output paper together to make a poster. Although the final size is slightly smaller since you have to cut off the margins, the

Printing Varieties

image joins fit precisely.



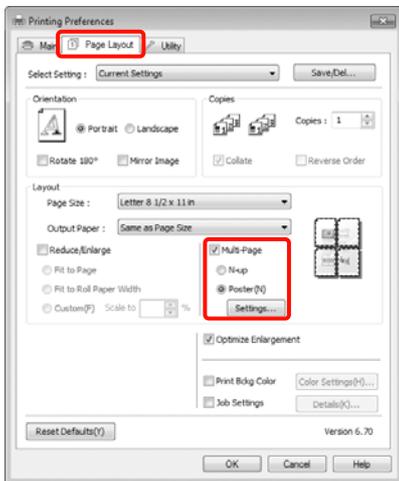
Setting Procedures for Printing

- 1 Prepare the print data using applications.

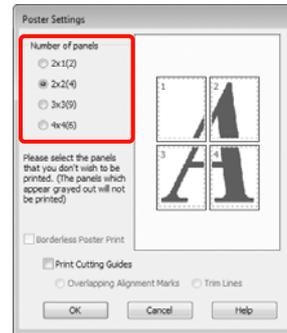
The printer driver automatically enlarges the image data when printing.

- 2 When the printer driver's **Page Layout** screen is displayed, select the **Multi-Page** check box, select **Poster**, and then click **Settings**.

☞ See "Print Settings" on page 55

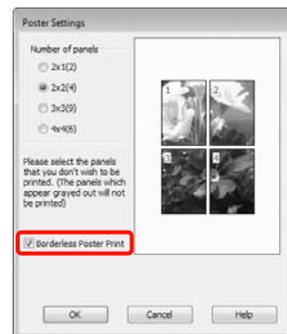


- 3 In the **Poster Settings** screen, select the number of pages you want in the poster.



- 4 Select borderless poster printing or poster printing with margins, and then select any pages that you do not want to print.

When borderless is selected:
Select **Borderless Poster Print**.



Note:

- ❑ If **Borderless Poster Print** is grayed out, the selected paper or the size does not support borderless printing.

☞ See "Supported Media Sizes for Borderless Printing" on page 131

☞ See "Paper Information" on page 160

- ❑ If **Single Cut** or **Double Cut** is selected as the **Auto Cut** setting, the length of the paper is shortened by 1 or 2 mm and the joins do not fit together perfectly.

Select **Off** or **Normal Cut**. ☞ See "Borderless printing" on page 130

Printing Varieties

When with margins is selected:
Clear **Borderless Poster Print**.



Note:
Regarding the size after joining together:
When **Borderless Poster Print** is cleared and printing with margins is selected, the **Print Cutting Guides** items are displayed.
The finished size is the same whether or not **Trim Lines** is selected. However, if **Overlapping Alignment Marks** is selected, the finished size is smaller with an overlap.

5 Check other settings, and then start printing.

Joining the output paper together

The steps for joining the output paper together differ between borderless poster printing and poster printing with margins.

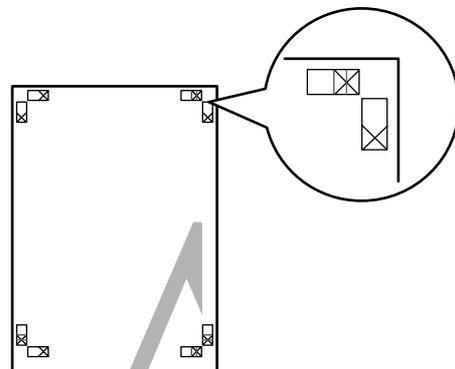
Borderless poster printing

This section describes how to join four printed pages together. Check and match the printed pages, and join them in the order indicated below using an adhesive tape on the back of the sheets.



Poster printing with margins

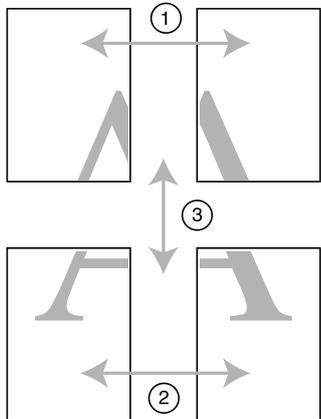
When you select **Overlapping Alignment Marks**, the following marks are printed on the paper. See the procedures below to join the four printed pages together using the alignment marks.



Printing Varieties

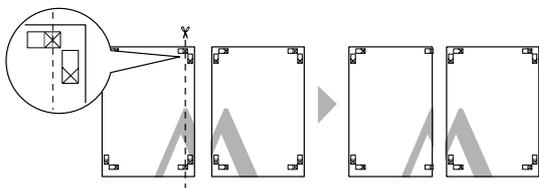
Note:

The alignment marks are black for black-and-white printing.

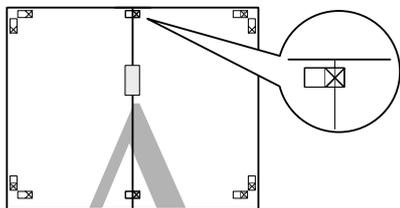


The following describes how to join four printed pages together.

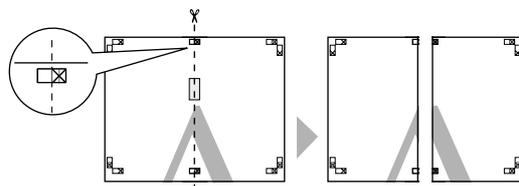
- 1 Cut the upper left sheet along the alignment mark (vertical blue line).



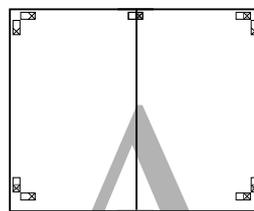
- 2 Lay the upper left sheet on top of upper right sheet. Lineup the X marks as shown in the illustration below, and temporarily fasten them using an adhesive tape on the back.



- 3 While two pages are overlapping, cut them along the alignment mark (vertical red line).

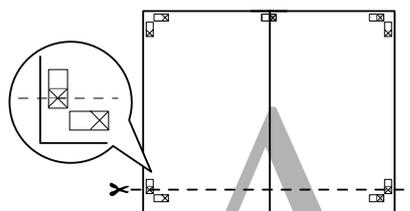


- 4 Join the left and right sheets together. Use an adhesive tape to stick the backs of the sheets together.



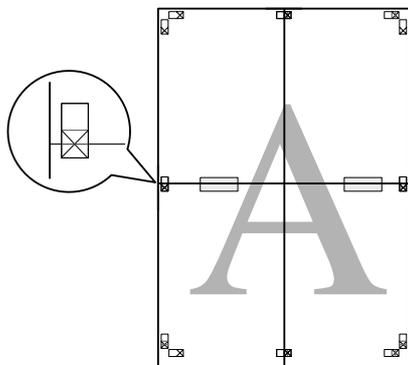
- 5 Repeat steps 1 to 4 for the lower sheets.

- 6 Cut the bottom of the upper sheets along the alignment marks (horizontal blue line).

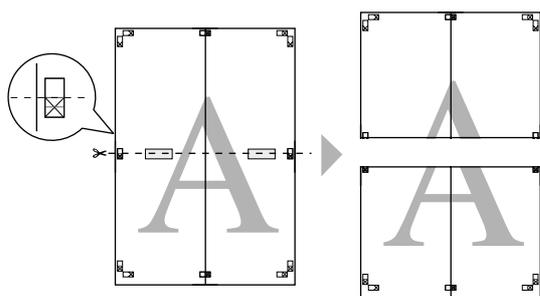


Printing Varieties

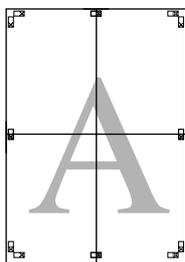
- 7** Lay the upper sheet on top of the lower sheet. Lineup the X marks as shown in the illustration below, and temporarily fasten them using an adhesive tape on the back.



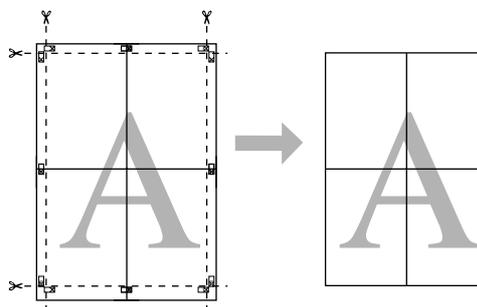
- 8** While two pages are overlapping, cut them along the alignment marks (horizontal red line).



- 9** Join the upper and lower sheets together.
Use an adhesive tape to stick the backs of the sheets together.



- 10** After joining all of the sheets together, cut the margins along the outer guide lines.



Printing Varieties

Printing on custom paper

You can also print on paper sizes that are not already available in the printer driver. If you create and save a user-defined paper size using the steps below, you can select the saved paper size from **Page Setup** in the application. If your application supports creating user defined sizes, follow the steps below to select the same size that was created in the application, and then print.



You can register the following sizes.

The minimum paper size supported by this printer is 210 (width) x 297 (length) mm. If you create a user-defined paper size smaller than this minimum size, you can print on paper that is larger than 210 (width) x 297 (length) mm, and then trim the margins to the size you require.

Width	Epson Stylus Pro 9890/9908: 89 to 1118 mm Epson Stylus Pro 7890/7908: 89 to 610 mm
Length*	Windows: 127 to 15000 mm Mac OS X: 127 to 15240 mm

* The paper length can be longer if using applications that support banner printing. However, the actual print size depends on the application, the paper size loaded in the printer, and the computer environment.

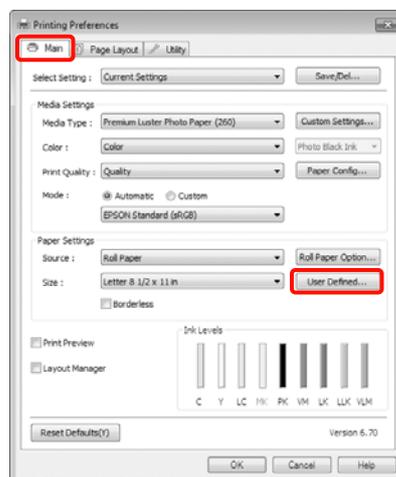
Note:

- For Mac OS X Custom Paper Sizes, although you can specify a large paper size which cannot be loaded on this printer, it will not be printed properly.
- The available output size is limited depending on the application.

Making Settings in Windows

- 1 When the printer driver's **Main** screen is displayed, click **User Defined**.

➤ See "Print Settings" on page 55

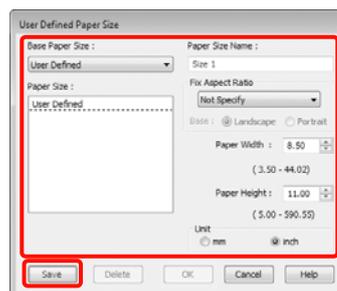


Note:

You cannot select **User Defined** if **Sheet** is selected as the **Source** and **Borderless** is selected as **Paper Settings**.

- 2 In the **User Defined Paper Size** screen, set the paper size you want to use, and then click **Save**.

- You can enter up to 24 single-byte characters for the **Paper Size Name**.
- You can easily change the size by selecting a defined paper size close to the size you want to set from **Base Paper Size**.
- If the length and width ratio is the same as a defined paper size, select the defined paper size from **Fix Aspect Ratio** and select either **Landscape** or **Portrait** for the **Base**. In this case, you can only adjust either the paper width or paper height.



Printing Varieties

Note:

- To change the paper size you saved, select the paper size name from the list on the left.
- To delete the user-defined size you saved, select the paper size name from the list on the left, and then click **Delete**.
- You can save up to 100 paper sizes.

3 Click **OK**.

You can select the paper size you saved from **Size** on the **Paper Settings** screen.

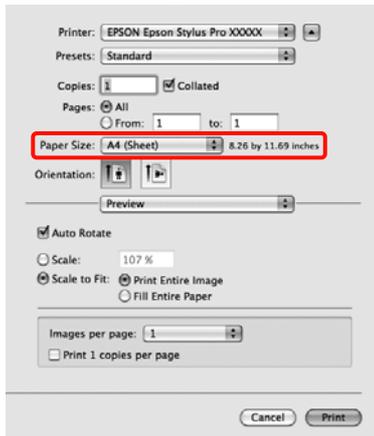
You can now print as normal.

Making Settings for Mac OS X

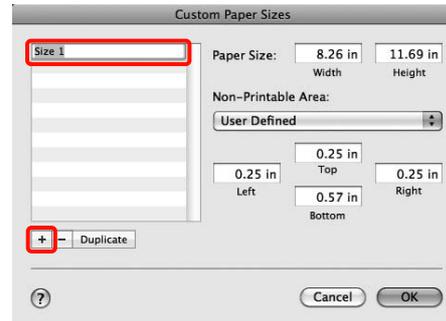
1 When the Print screen is displayed, select **Manage Custom Sizes** from the **Paper Size** list.

When using Mac OS X 10.4, or if items on the Page Setup screen are not displayed on the Print screen due to the application being used in Mac OS X 10.7, 10.6, or 10.5, display the Page Setup screen and make settings.

See “Printing procedures (Mac OS X)” on page 56



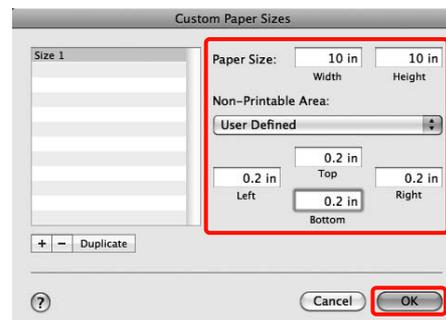
2 Click **+**, and then enter the paper size name.



3 Enter the **Width, Height** for the **Paper Size**, and enter the margins, and then click **OK**.

You can set the page size and printer margins depending on the printing method.

Page Settings	Page Size	Printer Margins
Sheet	Supported media sizes	3 mm for top, left, and right 14.2 mm for bottom
Roll Paper	Supported media sizes	3 mm for top, bottom, left, and right
Roll Paper - Banner	Supported media sizes	0 mm for top and bottom 3 mm for left and right
Roll Paper - Borderless (Auto Expand)	Supported borderless printing paper widths	0 mm for top, bottom, left, and right
Roll Paper - Borderless (Retain Size) Roll Paper - Borderless Banner	Supported borderless printing paper widths + 6 mm	0 mm for top, bottom, left, and right



Note:

- To change the contents that you saved, select the paper size name from the list on the left of the **Custom Paper Sizes** screen.
- To duplicate the user-defined size you saved, select the paper size name from the list on the left of the **Custom Paper Sizes** screen, and then click **Duplicate**.
- To delete the user-defined size you saved, select the paper size name from the list on the left of the **Custom Paper Sizes** screen, and then click **-**.
- The custom paper size setting differs depending on the operating system version. See your operating system's documentation for details.

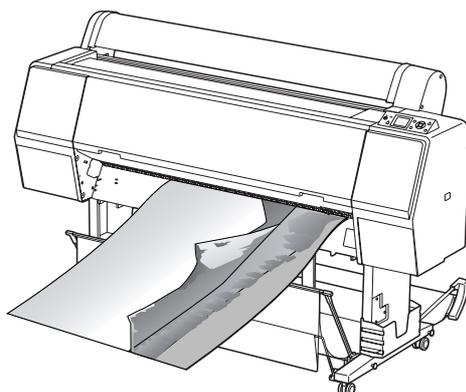
4Click **OK**.

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

You can now print as normal.

Banner printing (on roll paper)

You can print banners and panoramic pictures if you create and set print data for banner printing in your application.



There are two ways to print a banner.

Printer Driver Source	Supported Applications
Roll paper	Document preparation software, image editing software, and so on*
Roll paper (Banner)	Applications that support banner printing

* Create print data at a size supported by the given application while maintaining the printing length and width ratio.

The following printing sizes are available.

The minimum paper size supported by this printer is 210 (width) x 297 (length) mm. If you create a user-defined paper size smaller than this minimum size, you can print on paper that is larger than 210 (width) x 297 (length) mm, and then trim the margins to the size you require.

Printing Varieties

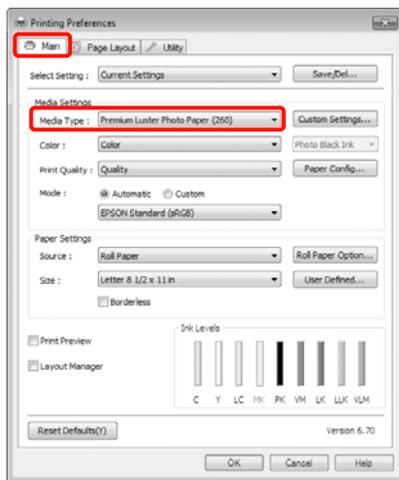
Available Media Sizes	
Width	Epson Stylus Pro 9890/9908: 89 to 1118 mm Epson Stylus Pro 7890/7908: 89 to 610 mm
Length*	Windows: Max. 15000 mm Mac OS X: Max. 15240 mm

* The paper length can be longer if using applications that support banner printing. However, the actual print size depends on the application, the paper size loaded in the printer, and the computer environment.

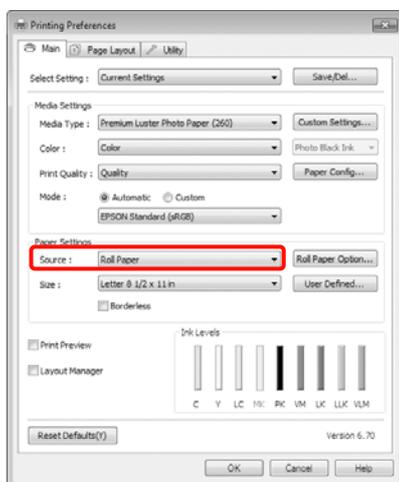
Making Settings in Windows

1 In the printer driver's **Main** screen, select **Media Type**.

See "Print Settings" on page 55



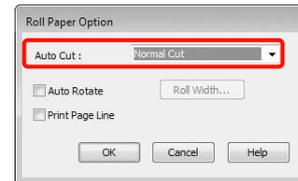
2 Select **Roll Paper** or **Roll Paper (Banner)** from the **Source** list.



Note:

- You can only use **Roll Paper (Banner)** for applications that support banner printing.
- Selecting **Roll Paper (Banner)** sets the top and bottom margins of the paper to 0 mm.

3 Click **Roll Paper Option**, and then select **Normal Cut** or **Off** from the **Auto Cut** list.

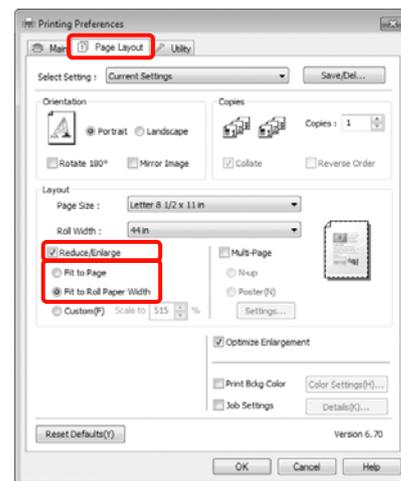


4 Click **User Defined** and match the paper size to the size of the data if necessary.

Note:

If you are using applications that support banner printing, you do not need to set **User Defined Paper Size** if you select **Roll Paper (Banner)** as the **Source**.

5 Click the **Page Layout** tab, and select **Reduce/Enlarge**, and then select **Fit to Page** or **Fit to Roll Paper Width**.

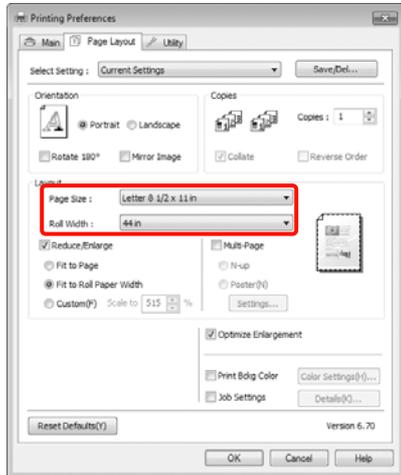


Note:

If you are using applications that support banner printing, you do not need to set **Reduce/Enlarge** if you select **Roll Paper (Banner)** as the **Source**.

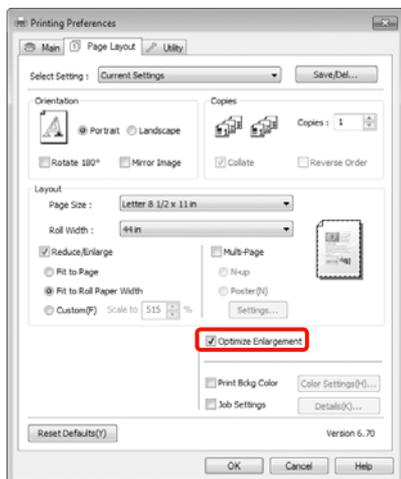
Printing Varieties

- 6** Select the size of the data created by the application from the **Page Size** list, and select the roll paper width loaded in the printer for the **Roll Width** or **Output Paper**.



Note:
Settings in applications that support banner printing are ignored.

- 7** Make sure the **Optimize Enlargement** check box is selected.



- 8** Check other settings, and then start printing.

Making Settings for Mac OS X

- 1** When the Print screen is displayed, select the size of the data created with the application in **Paper Size**.

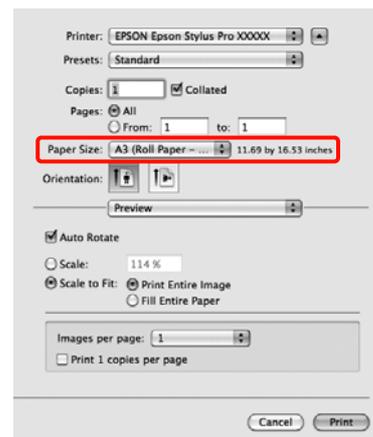
When using Mac OS X 10.4, or if items on the Page Setup screen are not displayed on the Print screen due to the application being used in Mac OS X 10.7, 10.6, or 10.5, display the Page Setup screen and make settings.

See “Printing procedures (Mac OS X)” on page 56

You can also perform borderless banner printing by selecting the **Paper Size** as shown below. Where XXXX is the actual paper size, such as A4.

XXXX (Roll Paper - Banner): Prints a 0 mm margin at the top and bottom, and a 3 mm margin on the left and right.

XXXX (Roll Paper - Borderless Banner): The printer driver expands the print area by approximately 3 mm to the left and right in regards to the paper width so that there is no 3 mm margin on the left and right. Therefore, you need to create data that is 3 mm wider than the paper size on the left and right in advance. The top and bottom margins are 0 mm.

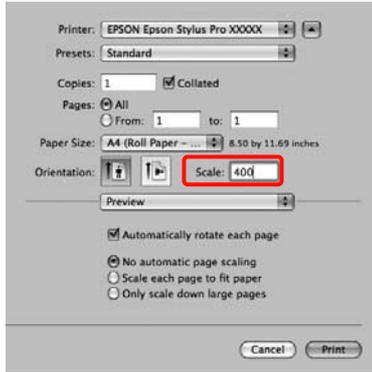


Select **Manage Custom Sizes** from the **Paper Size** list, and then set the paper size.

Printing Varieties

2 Make settings in **Scale** to enlarge the size of the document you created in your application to the size of the paper you want to print on.

If **Scale** is not displayed on the Print screen, open the Page Setup screen, and then make the settings.

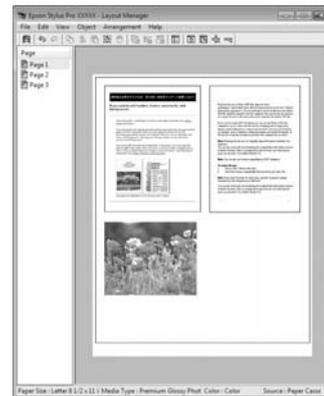
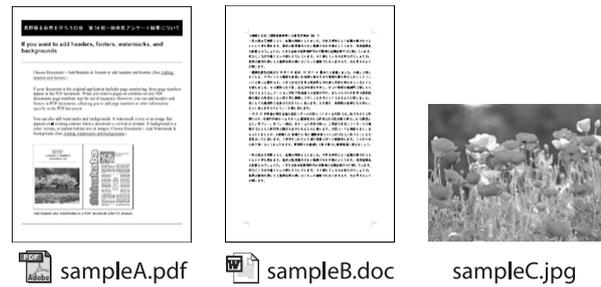


You can now print as normal.

Layout Manager (Windows only)

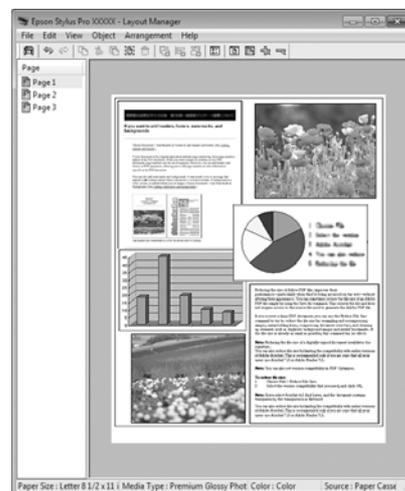
The Layout Manager function allows you to place multiple pieces of print data created in different applications on the paper freely and print them at once.

You can create a poster or display material by placing multiple pieces of print data where you like. Also, Layout Manager allows you to use paper effectively.



The following is a layout example.

Placing multiple data items

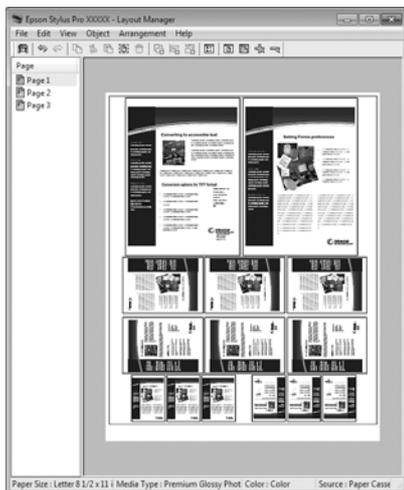


Printing Varieties

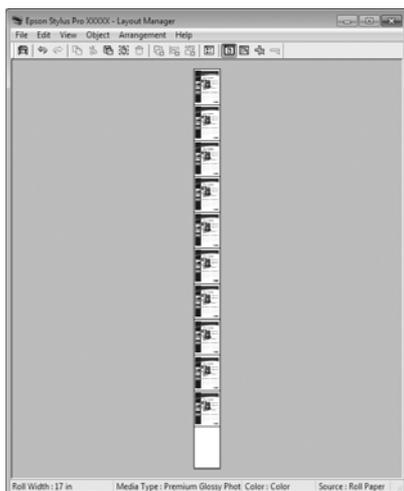
Placing the same data



Placing data freely



Placing data on roll paper



Setting Procedures for Printing

- 1 Check that the printer is connected and ready to print.
- 2 Open the file you want to print in your application.
- 3 In the printer driver's **Main** screen, select **Layout Manager**, and select the size of the document made in the application as the **Size**.

See "Print Settings" on page 55



Note:
The **Size** set here is used on the **Layout Manager** screen. The actual printing paper size is set in the screen in step 7.

- 4 Click **OK**. When printing with an application, the **Layout Manager** screen opens.

The print data is not printed, but one page is placed on the paper of the **Layout Manager** screen as one object.

- 5 Leave the **Layout Manager** screen open and repeat steps 2 to 4 to arrange the next pieces of data.

The objects are added to the **Layout Manager** screen.

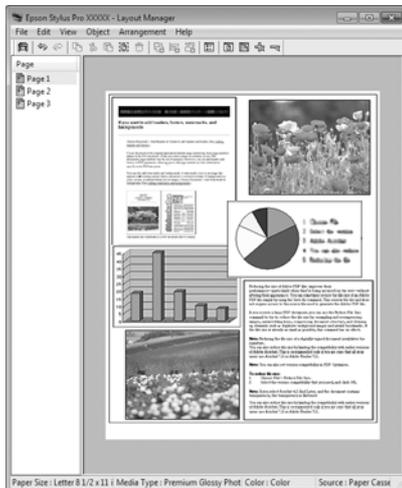
Printing Varieties

6 Arrange the objects on the **Layout Manager** screen.

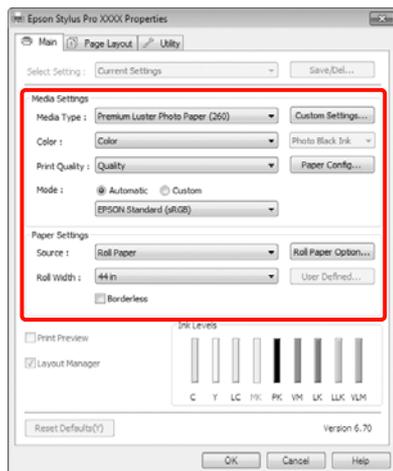
You can drag objects to move and resize them, use tool buttons and the **Objects** menu to align and rotate objects on the **Layout Manager** screen.

You can resize and replace whole objects in the Preference or Arrangement Settings screens.

See the **Layout Manager** screen help for more details on each function.



7 Click **File - Properties**, and make print settings on the printer driver screen.



Set **Media Type**, **Source**, **Size**, and so on.

8 Click the **File** menu on the **Layout Manager** screen, and then click **Print**.

Printing starts.

Saving and Calling Layout Manager Settings

You can save the **Layout Manager** screen arrangement and setting contents to a file. If you need to close your application in the middle of a job, you can save it to a file and then open it later to continue your work.

Saving

- 1 On the **Layout Manager** screen, click **File** menu and then **Save as**.
- 2 Enter the file name, select the location, and then click **Save**.
- 3 Close the **Layout Manager** screen.

Opening saved files

- 1 Right-click the Utility shortcut icon on the Windows Taskbar (), and then click **Layout Manager** on the menu displayed.

The **Layout Manager** screen is displayed.

If the Utility shortcut icon is not displayed on the Windows Taskbar  See "Summary of the Utility Tab" on page 116

- 2 On the **Layout Manager** screen, click **File** menu and then **Open**.
- 3 Select the location and open the required file.

Color Management Printing

About Color Management

Even when using the same image data, the original image and the displayed image may look different, and the printed results may look different to the image you see on the display. This occurs due to the difference in characteristics when input devices such as scanners and digital cameras capture colors as electronic data, and when output devices such as display screens and printers reproduce colors from the color data. The color management system is a means to adjust differences in color conversion characteristics among input and output devices. As well as applications for image processing, each operating system is equipped with a color management system, such as ICM for Windows and ColorSync for Mac OS X.

In a color management system, a color definition file called a "Profile" is used to perform color matching between devices. (This file is also called an ICC profile.) The profile of an input device is called an input profile (or source profile), and of an output device, such as a printer, is called a printer profile (or output profile). A profile is prepared for each media type in this printer's driver.

The color conversion areas by the input device and the color reproduction area by the output device differ. As a result, there are color areas that do not match even when performing color matching using a profile. In addition to specifying profiles, the color management system also specifies conversion conditions for areas where color matching failed as "intent". The name and type of intent vary depending on the color management system you are using.

You cannot match the colors on the printed results and display by color management between the input device and the printer. To match both colors, you need to perform color management between the input device and the display as well.

Color Management Print Settings

You can perform color management printing using this printer's printer driver in the following two ways.

Choose the best method according to the application you are using, the operating system environment, the aim of the print out and so on.

Setting color management with applications

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 useful when you want to obtain the same color management print results using a common application among different operating system environments.

☞ See "Setting color management with the application" on page 154

Setting color management with the printer driver

The printer driver uses the operating system's color management system and carries out all color management processes. You can make color management settings in the printer driver using the following two methods.

Host ICM (Windows)/ColorSync (Mac OS X)

Set when printing from applications that support color management. This is effective in producing similar print results from different applications under the same operating systems.

☞ See "Color management printing by Host ICM (Windows)" on page 155

☞ See "Color management printing by ColorSync (Mac OS X)" on page 156

Driver ICM (Windows only)

This allows you to perform color management printing from applications that do not support color management.

☞ See "Color management printing by Driver ICM (Windows only)" on page 158

Color Management Printing

Setting profiles

Settings for the input profile, printer profile, and intent (matching method) vary between three types of color management printing since their color management engines are used differently. This is because color management usage differs between the engines. Make settings in the printer driver or application as described in the following table.

	Input profile settings	Printer profile settings	Intent settings
Driver ICM (Windows)	Printer Driver	Printer Driver	Printer Driver
Host ICM (Windows)	Application	Printer Driver	Printer Driver
ColorSync (Mac OS X)	Application	Printer Driver	Application
Application	Application	Application	Application

Printer profiles for each paper type that is needed when performing color management are installed with the printer's printer driver. You can select the profile from the printer driver's settings screen.

See the following for detailed information.

☞ See “Color management printing by Driver ICM (Windows only)” on page 158

☞ See “Color management printing by Host ICM (Windows)” on page 155

☞ See “Color management printing by ColorSync (Mac OS X)” on page 156

☞ See “Setting color management with the application” on page 154

Setting color management with the application

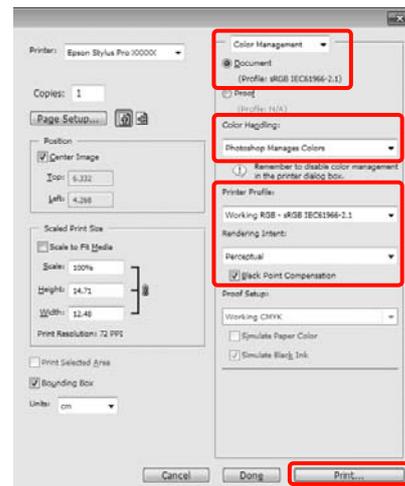
Print using applications with a color management function. Make the color management settings in the application and disable the printer driver's color adjustment function.

- 1 Make color management settings in the applications.

Example of Adobe Photoshop CS4

Open the **Print** screen.

Select **Color Management** and then **Document**. Select **Photoshop Manages Colors** as the **Color Handling** setting, select the **Printer Profile** and the **Rendering Intent**, and then click **Print**.



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

Make printer driver settings.

For Windows

☞ See “Print Settings” on page 55

For Mac OS X

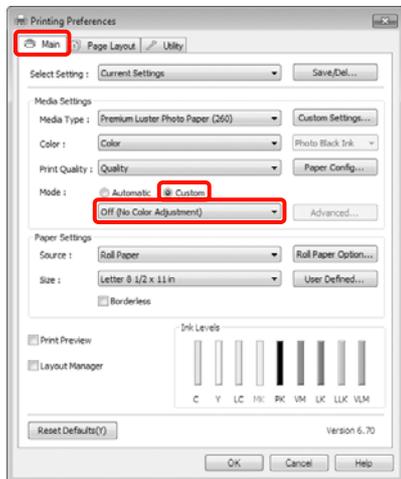
☞ See “Printing procedures (Mac OS X)” on page 56

Color Management Printing

3 Set color management to off.

For Windows

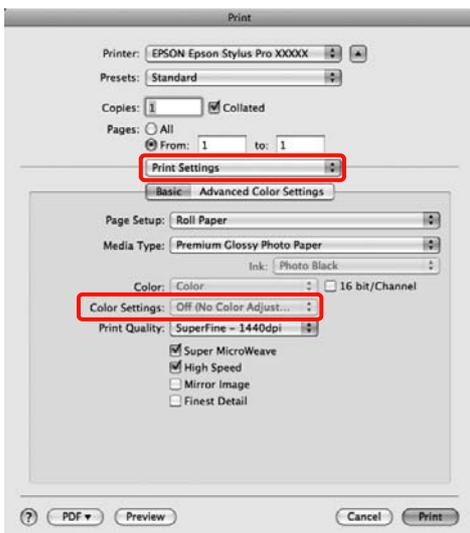
In the **Main** screen, select **Custom** as the **Mode** setting, and select **Off (No Color Adjustment)**.



Note:
When using Windows 7/Windows Vista/Windows XP (Service Pack 2 or later and .NET 3.0), **Off (No Color Adjustment)** is automatically selected.

For Mac OS X

Select **Print Settings** from the list, and then select **Off (No Color Adjustment)** as the **Color Settings** setting.



4 Check other settings, and then start printing.

Setting color management with the printer driver

Color management printing by Host ICM (Windows)

Use image data in which an input profile has been embedded. Also, the application must support ICM.

1 Make the settings for color adjustment using the application.

Depending on the type of the application, make the settings following the table below.

- Adobe Photoshop CS3 or later
- Adobe Photoshop Elements 6.0 or later
- Adobe Photoshop Lightroom 1 or later

OS	Color Management Settings
Windows 7 Windows Vista	Printer Manages Colors
Windows XP (Service Pack 2 or later and .NET 3.0 or later)	
Windows XP (other than the above)	No Color Management

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

Example of Adobe Photoshop CS4

Open the **Print** screen.

Color Management Printing

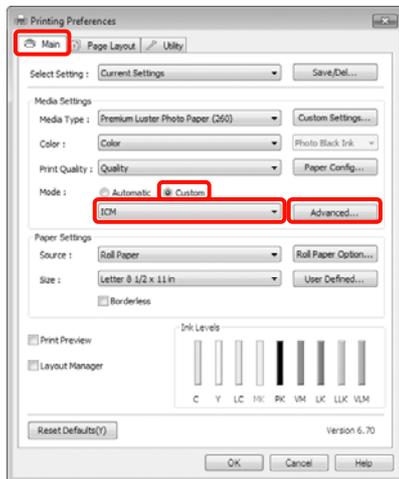
Select **Color Management** and then **Document**. Select **Printer Manages Colors** as the **Color Handling** setting, and then click **Print**.



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

- 2 In the printer driver's **Main** screen, select **Custom** as the **Mode**, select **ICM**, and then click **Advanced**.

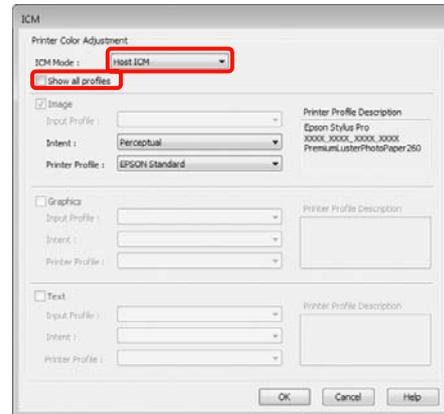
See "Print Settings" on page 55



- 3 Select **Host ICM**.

When Epson special media is selected from **Media Type** in the **Main** screen, the printer profile corresponding to the media type is automatically selected and displayed in the **Printer Profile Description** box.

To change the profile, select **Show all profiles** at the bottom.



- 4 Check other settings, and then start printing.

Color management printing by ColorSync (Mac OS X)

Use image data in which an input profile has been embedded. Also, the application must support ColorSync.

For Mac OS X 10.7, 10.6, or 10.5

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

- 1 Disable the color management functions in the application.

- 2 Display the Print screen.

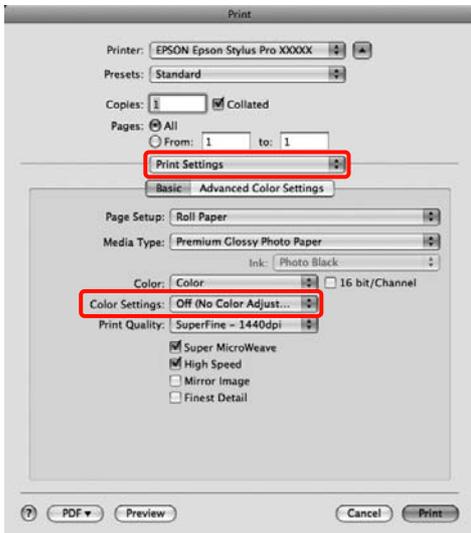
See "Printing procedures (Mac OS X)" on page 56

- 3 Select **Color Matching** from the list, and then click **ColorSync**.



Color Management Printing

4 Furthermore, in Mac OS X 10.5 select **Print Settings** from the list, and then select **Off (No Color Adjustment)** from **Color Settings**.



For Mac OS X 10.4

1 Disable the color management functions in the application.

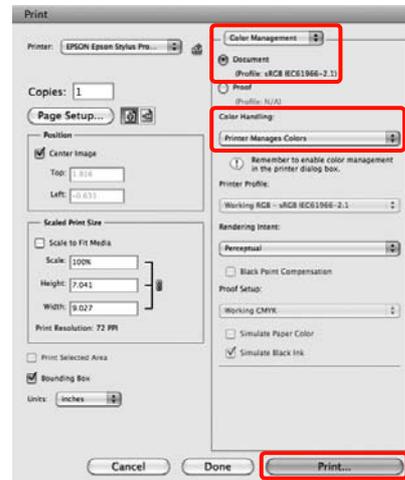
Depending on the type of the application, make the settings following the table below.

Applications	Color Management Settings
Adobe Photoshop CS3 or later	Printer Manages Colors
Adobe Photoshop Lightroom 1 or later	
Adobe Photoshop Elements 6 or later	
Other applications	No Color Management

Example of Adobe Photoshop CS4

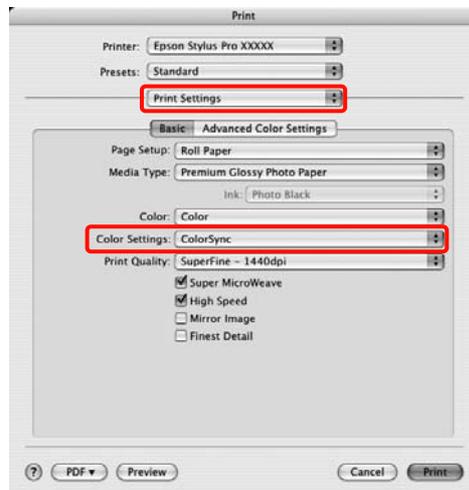
Open the **Print** screen.

Select **Color Management** and then **Document**. Select **Printer Manages Colors** as the **Color Handling** setting, and then click **Print**.



2 Display the Print screen, select **Print Settings** from the list, and then select **ColorSync** as the **Color Settings**.

See “Printing procedures (Mac OS X)” on page 56



3 Check other settings, and then start printing.

Color Management Printing

Color management printing by Driver ICM (Windows only)

The printer driver uses its own printer profiles to perform color management. You can use the following two color correction methods.

Driver ICM (Basic)

Specify one type of profile and intent for processing the entire image data.

Driver ICM (Advanced)

The printer driver distinguishes the image data into the **Image**, **Graphics**, and **Text** areas. Specify three types of profiles and intents for processing each area.

When using applications featuring a color management function

Make the settings for color processing using the application before making printer driver settings.

Depending on the type of the application, make the settings following the table below.

- Adobe Photoshop CS3 or later
- Adobe Photoshop Elements 6.0 or later
- Adobe Photoshop Lightroom 1 or later

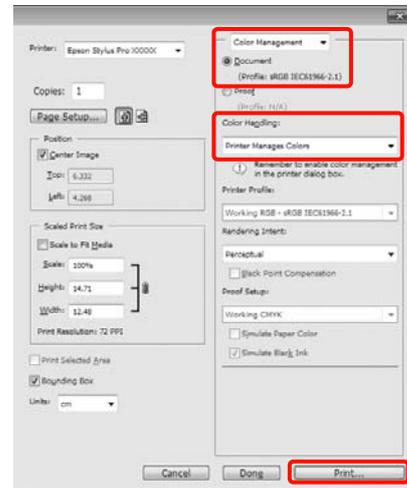
OS	Color Management Settings
Windows 7 Windows Vista	Printer Manages Colors
Windows XP (Service Pack 2 or later and .NET 3.0 or later)	
Windows XP (other than the above)	No Color Management

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

Example of Adobe Photoshop CS4

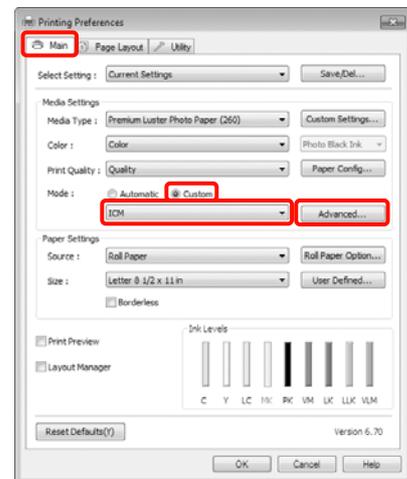
Open the **Print** screen.

Select **Color Management** and then **Document**. Select **Printer Manages Colors** as the **Color Handling** setting, and then click **Print**.



1 From **Mode** in the printer driver's **Main** screen, select **Custom** as the mode, select **ICM**, and then click **Advanced**.

See “Print Settings” on page 55

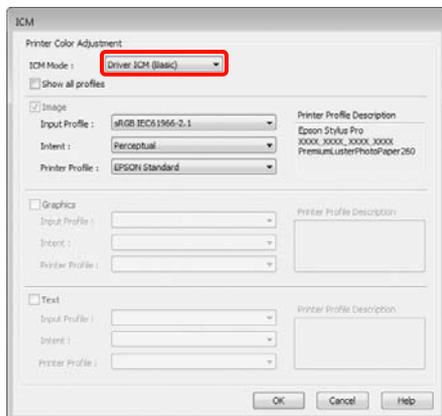


2 From **ICM Mode** in the **ICM** screen, select **Driver ICM (Basic)** or **Driver ICM (Advanced)**.

If you select **Driver ICM (Advanced)**, you can specify the profiles and intent for each image such as photos, graphics, and text data.

Color Management Printing

Intent	Explanation
Saturation	Keeps the current saturation unchanged and converts the data.
Perceptual	Converts the data so that a more visually natural image is produced. This feature is used when a wider gamut of color is used for image data.
Relative Colorimetric	Converts the data so that a set of color gamut and white point (or color temperature) coordinates in the original data match their corresponding print coordinates. This feature is used for many types of color matching.
Absolute Colorimetric	Assigns absolute color gamut coordinates to the original and print data and converts the data. Therefore, color tone adjustment is not performed on any white point (or color temperature) for the original or print data. This feature is used for special purposes such as logo color printing.



3

Check other settings, and then start printing.

Paper Information

Paper Information

Paper Information

Epson offers specially designed media for ink jet printers to meet most high-quality printing needs.

Item	Explanation
Media name	Describes the media name.
Size	Describes the paper size for cut sheet media and the width for roll paper.
Borderless	<p>Describes whether borderless printing is available.</p> <p>Recommended: The recommended paper for borderless printing. Possible: Borderless printing is possible.* Impossible: Borderless printing is not supported.</p> <p>* You can print without margins on paper; however, it may deteriorate print quality, or may produce unwanted margins due to paper expansion or shrinkage. Also, some ordinary paper products cannot be used for borderless printing.</p>
Thickness	Describes the thickness of each media.
Core diameter	Describes the core diameter of the roll paper.
ICC profile	Describes the ICC profile of the media type. It is shown as the profile name in the printer driver or the application. The file name of the profile is used as the profile name in the printer driver or the application. Each profile is provided for the paper products for which both Photo Black ink and Matte Black ink can be used.
Media type of the printer driver	Describes the Media Type of the printer driver. Be sure to match the media type you set in the printer driver and the paper loaded in the printer; otherwise, the print quality may decline.
Auto Cut	<p>Describes whether Auto Cut is supported.</p> <p>Y: Auto Cut is supported. N: Auto Cut is not supported. Use a cutter sold at a store to cut the paper.</p>

Paper Information

Roll paper

Premium Glossy Photo Paper (250)				
Size		Borderless	Thickness	Core diameter
406 mm	16"	Recommended	0.27 mm	3"
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Photo Paper	Premium Glossy Photo Paper (250)	Y
Pro9890_9908_7890_7908 PremiumGlossyPhoto Paper250.icc	—			

Premium Semigloss Photo Paper (250)				
Size		Borderless	Thickness	Core diameter
406 mm	16"	Recommended	0.27 mm	3"
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Photo Paper	Premium Semigloss Photo Paper (250)	Y
Pro9890_9908_7890_7908 PremiumSemigloss PhotoPaper250.icc	—			

Paper Information

Premium Luster Photo Paper (260)				
Size		Borderless	Thickness	Core diameter
254 mm	10"	Recommended	0.27 mm	3"
300 mm	12"			
406 mm	16"			
508 mm	20"	Impossible		
610 mm	24"	Recommended		
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Photo Paper	Premium Luster Photo Paper (260)	Y
Pro9890_9908_7890_7908 PremiumLusterPhoto Paper260.icc	—			

Premium Semimatte Photo Paper (260)				
Size		Borderless	Thickness	Core diameter
406 mm	16"	Recommended	0.27 mm	3"
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Photo Paper	Premium Semimatte Photo Paper (260)	Y
Pro9890_9908_7890_7908 PremiumSemimatte PhotoPaper260.icc	—			

Photo Paper Gloss 250				
Size		Borderless	Thickness	Core diameter
432 mm	17"	Recommended	0.25 mm	3"
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Photo Paper	Photo Paper Gloss 250	Y
Pro9890_9908_7890_7908 PhotoPaperGloss250.icc	—			

Paper Information

Premium Glossy Photo Paper (170)				
Size		Borderless	Thickness	Core diameter
420 mm (A2)		Impossible	0.18 mm	2"
610 mm	24"	Recommended		
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Photo Paper	Premium Glossy Photo Paper (170)	Y
Pro9890_9908_7890_7908 PremiumGlossyPhoto Paper170.icc	—			

Premium Semigloss Photo Paper (170)				
Size		Borderless	Thickness	Core diameter
420 mm (A2)		Impossible	0.18 mm	2"
610 mm	24"	Recommended		
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Photo Paper	Premium Semigloss Photo Paper (170)	Y
Pro9890_9908_7890_7908 PremiumSemigloss PhotoPaper170.icc	—			

Epson Proofing Paper White Semimatte				
Size		Borderless	Thickness	Core diameter
330 mm	13"	Possible	0.25 mm	3"
432 mm	17"			
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Proofing Paper	Epson Proofing Paper White Semimatte	Y
Pro9890_9908_7890_7908 EpsonProofingPaper WhiteSemimatte.icc	—			

Paper Information

Epson Proofing Paper Publication				
Size		Borderless	Thickness	Core diameter
330 mm	13"	Possible	0.20 mm	3"
432 mm	17"			
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Proofing Paper	Epson Proofing Paper Publication	Y
Pro9890_9908_7890_7908 EpsonProofingPaper Publication.icc	—			

Epson Proofing Paper Commercial				
Size		Borderless	Thickness	Core diameter
330 mm	13"	Possible	0.20 mm	3"
432 mm	17"			
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Proofing Paper	Epson Proofing Paper Commercial	Y
Pro9890_9908_7890_7908 EpsonProofingPaper Commercial.icc	—			

Enhanced Synthetic Paper				
Size		Borderless	Thickness	Core diameter
610 mm	24"	Possible	0.12 mm	2"
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Others	Enhanced Synthetic Paper	Y
—	Pro9890_9908_7890_7908 EnhancedSyntheticPaper.icc			

Paper Information

Enhanced Adhesive Synthetic Paper				
Size		Borderless	Thickness	Core diameter
610 mm	24"	Possible	0.17 mm	2"
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Others	Enhanced Adhesive Synthetic Paper	Y
—	Pro9890_9908_7890_7908 EnhancedAdhesive SyntheticPaper.icc			

Doubleweight Matte Paper				
Size		Borderless	Thickness	Core diameter
610 mm	24"	Recommended	0.21 mm	2"
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Matte Paper	Doubleweight Matte Paper	Y
—	Pro9890_9908_7890_7908 DoubleweightMatte Paper.icc			

Enhanced Matte Paper				
Size		Borderless	Thickness	Core diameter
432 mm	17"	Possible	0.25 mm	3"
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Matte Paper	Enhanced Matte Paper	Y
Pro9890_9908_7890_7908 EnhancedMattePaper_PK.icc	Pro9890_9908_7890_7908 EnhancedMattePaper_MK.icc			

Paper Information

Singleweight Matte Paper				
Size		Borderless	Thickness	Core diameter
432 mm	17"	Recommended	0.14 mm	2"
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver	Auto Cut	
Photo Black	Matte Black	Matte Paper	Singleweight Matte Paper	Y
—	Pro9890_9908_7890_7908 SingleweightMatte Paper.icc			

Watercolor Paper - Radiant White				
Size		Borderless	Thickness	Core diameter
610 mm	24"	Possible	0.29 mm	3"
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver	Auto Cut	
Photo Black	Matte Black	Fine Art Paper	Watercolor Paper - Radiant White	Y
Pro9890_9908_7890_7908 WatercolorPaper- RadiantWhite_PK.icc	Pro9890_9908_7890_7908 WatercolorPaper- RadiantWhite_MK.icc			

UltraSmooth Fine Art Paper				
Size		Borderless	Thickness	Core diameter
432 mm	17"	Possible	0.32 mm	3"
610 mm	24"			
1118 mm *	44" *			
ICC profile		Media type of the printer driver	Auto Cut	
Photo Black	Matte Black	Fine Art Paper	UltraSmooth Fine Art Paper	Y
Pro9890_9908_7890_7908 UltraSmoothFineArt Paper_PK.icc	Pro9890_9908_7890_7908 UltraSmoothFineArt Paper_MK.icc			

Paper Information

Textured Fine Art Paper				
Size		Borderless	Thickness	Core diameter
432 mm	17"	Possible	0.37 mm	3"
610 mm	24"			
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Fine Art Paper	Textured Fine Art Paper	Y
Pro9890_9908_7890_7908 TexturedFineArtPaper_PK.ic c	Pro9890_9908_7890_7908 TexturedFineArtPaper_MK.ic c			

Canvas				
Size		Borderless	Thickness	Core diameter
610 mm	24"	Possible	0.46 mm	2"
914 mm *	36" *			
1118 mm *	44" *			
ICC profile		Media type of the printer driver		Auto Cut
Photo Black	Matte Black	Fine Art Paper	Canvas	Y
Pro9890_9908_7890_7908 Canvas_PK.icc	Pro9890_9908_7890_7908 Canvas_MK.icc			

* Epson Stylus Pro 7890/7908 does not support these size.

Paper Information

Cut sheet

Premium Glossy Photo Paper			
Size		Borderless	Thickness
Super A3/B		Possible	0.27 mm
A2		Impossible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Photo Paper	Premium Glossy Photo Paper
Pro9890_9908_7890_7908 PremiumGlossyPhoto Paper.icc	—		

Premium Semigloss Photo Paper			
Size		Borderless	Thickness
Super A3/B		Possible	0.27 mm
A2		Impossible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Photo Paper	Premium Semigloss Photo Paper
Pro9890_9908_7890_7908 PremiumSemiglossPhoto Paper.icc	—		

Premium Luster Photo Paper			
Size		Borderless	Thickness
Super A3/B		Possible	0.27 mm
A2		Impossible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Photo Paper	Premium Luster Photo Paper
Pro9890_9908_7890_7908 PremiumLusterPhotoPaper.icc	—		

Paper Information

Archival Matte Paper/Enhanced Matte Paper			
Size		Borderless	Thickness
Super A3/B		Possible	0.26 mm
A2		Impossible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Matte Paper	Archival Matte Paper Enhanced Matte Paper
Pro9890_9908_7890_7908 ArchivalMattePaper_PK.icc	Pro9890_9908_7890_7908 ArchivalMattePaper_MK.icc		

Photo Quality Inkjet Paper			
Size		Borderless	Thickness
Super A3/B		Possible	0.12 mm
A2		Impossible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Matte Paper	Photo Quality Ink Jet Paper
—	Pro9890_9908_7890_7908 PhotoQualityInkJetPaper.icc		

Epson Proofing Paper White Semimatte			
Size		Borderless	Thickness
Super A3/B		Possible	0.25 mm
SuperW A3		Possible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Proofing Paper	Epson Proofing Paper White Semimatte
Pro9890_9908_7890_7908 EpsonProofingPaperWhiteSe mimatte.icc	—		

Watercolor Paper - Radiant White			
Size		Borderless	Thickness
Super A3/B		Possible	0.29 mm
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Fine Art Paper	Watercolor Paper - Radiant White
Pro9890_9908_7890_7908 WatercolorPaper-RadiantWhit e_PK.icc	Pro9890_9908_7890_7908 WatercolorPaper-RadiantWhit e_MK.icc		

Paper Information

UltraSmooth Fine Art Paper			
Size		Borderless	Thickness
Super A3		Possible	0.46 mm
A2		Impossible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Fine Art Paper	UltraSmooth Fine Art Paper
Pro9890_9908_7890_7908 UltraSmoothFineArtPaper_PK. icc	Pro9890_9908_7890_7908 UltraSmoothFineArtPaper_M K.icc		

Velvet Fine Art Paper			
Size		Borderless	Thickness
Super A3/B		Possible	0.48 mm
A2		Impossible	
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Fine Art Paper	Velvet Fine Art Paper
Pro9890_9908_7890_7908 VelvetFineArtPaper_PK.icc	Pro9890_9908_7890_7908 VelvetFineArtPaper_MK.icc		

Textured Fine Art Paper			
Size		Borderless	Thickness
24" × 30"		Possible	0.67 mm
36" × 44"			
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Fine Art Paper	Textured Fine Art Paper
Pro9890_9908_7890_7908 TexturedFineArtPaper_PK. icc	Pro9890_9908_7890_7908 TexturedFineArtPaper_MK. icc		

Enhanced Matte Posterboard			
Size		Borderless	Thickness
24" × 30"		Possible	1.30 mm
30" × 40"			
ICC profile		Media type of the printer driver	
Photo Black	Matte Black	Others	Enhanced Matte Poster Board
Pro9890_9908_7890_7908 EnhancedMattePoster Board_PK.icc	Pro9890_9908_7890_7908 EnhancedMattePoster Board_MK.icc		

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 have a Web browser and can connect to the Internet, access the site at:

<http://support.epson.net/>

If you need the latest drivers, FAQs, manuals, or other downloadables, access the site at:

<http://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 the technical support services listed below.

Internet Support

Visit Epson's support website at <http://epson.com/support> and select your product for solutions to common problems. You can download drivers and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Speak to a Support Representative

Dial: (562) 276-1300 (U.S.), or (905) 709-9475 (Canada), 6 am to 6 pm, Pacific Time, Monday through Friday. Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

Before you call Epson for support, please have the following information ready:

- Product name
- Product serial number
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

Note:

For help using any other software on your system, see the documentation for that software for technical support information.

Purchase Supplies and Accessories

You can purchase genuine Epson ink cartridges, ribbon cartridges, paper, and accessories from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766). Or you can purchase online at <http://www.epsonstore.com> (U.S. sales) or <http://www.epson.ca> (Canadian sales).

Help for Users in Europe

Check your **Pan-European Warranty Document** for information on how to contact Epson support.

Help for Users in Taiwan

Contacts for information, support, and services are:

World Wide Web

(<http://www.epson.com.tw>)

Information on product specifications, drivers for download, and products enquiry are available.

Epson HelpDesk (Phone: +0800212873)

Our HelpDesk team can help you with the following over the phone:

- Sales enquiries and product information
- Product usage questions or problems
- Enquiries on repair service and warranty

Repair service center:

Telephone number	Fax number	Address
02-23416969	02-23417070	No.20, Beiping E. Rd., Zhongzheng Dist., Taipei City 100, Taiwan
02-27491234	02-27495955	1F., No.16, Sec. 5, Nanjing E. Rd., Songsshan Dist., Taipei City 105, Taiwan
02-32340688	02-32345299	No.1, Ln. 359, Sec. 2, Zhongshan Rd., Zhonghe City, Taipei County 235, Taiwan
039-605007	039-600969	No.342-1, Guangrong Rd., Luodong Township, Yilan County 265, Taiwan
038-312966	038-312977	No.87, Guolian 2nd Rd., Hualien City, Hualien County 970, Taiwan

Where To Get Help

Telephone number	Fax number	Address
03-2810606	03-2810707	No.413, Huannan Rd., Pingzhen City, Taoyuan County 324, Taiwan
03-5325077	03-5320092	1F., No.9, Ln. 379, Sec. 1, Jingguo Rd., North Dist., Hsinchu City 300, Taiwan
04-23291388	04-23291338	3F., No.510, Yingcai Rd., West Dist., Taichung City 403, Taiwan
04-23805000	04-23806000	No.530, Sec. 4, Henan Rd., Nantun Dist., Taichung City 408, Taiwan
05-2784222	05-2784555	No.463, Zhongxiao Rd., East Dist., Chiayi City 600, Taiwan
06-2221666	06-2112555	No.141, Gongyuan N. Rd., North Dist., Tainan City 704, Taiwan
07-5520918	07-5540926	1F., No.337, Minghua Rd., Gushan Dist., Kaohsiung City 804, Taiwan
07-3222445	07-3218085	No.51, Shandong St., Sanmin Dist., Kaohsiung City 807, Taiwan
08-7344771	08-7344802	1F., No.113, Shengli Rd., Pingtung City, Pingtung County 900, Taiwan

Help for Users in Australia

Epson Australia wishes to provide you with a high level of customer service. In addition to your product documentation, we provide the following sources for obtaining information:

Your Dealer

Don't forget that your dealer can often help identify and resolve problems. The dealer should always be the first call for advice on problems; they can often solve problems quickly and easily as well as give advice on the next step to take.

Internet URL

<http://www.epson.com.au>

Access the Epson Australia World Wide Web pages. Worth taking your modem here for the occasional surf! The site provides a download area for drivers, Epson contact points, new product information and technical support (e-mail).

Epson Helpdesk

Epson Helpdesk is provided as a final backup to make sure our clients have access to advice. Operators on the Helpdesk can aid you in installing, configuring and operating your Epson product. Our Pre-sales Helpdesk staff can provide literature on new Epson products and advise where the nearest dealer or service agent is located. Many types of queries are answered here.

The Helpdesk numbers are:

Phone: 1300 361 054

Fax: (02) 8899 3789

We encourage you to have all the relevant information on hand when you ring. The more information you prepare, the faster we can help solve the problem. This information includes your Epson product documentation, type of computer, operating system, application programs, and any information you feel is required.

Help for Users in Singapore

Sources of information, support, and services available from Epson Singapore are:

World Wide Web

<http://www.epson.com.sg>

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), Sales Enquiries, and Technical Support via e-mail are available.

Epson HelpDesk

(Phone: (65) 6586 3111)

Our HelpDesk team can help you with the following over the phone:

Where To Get Help

- Sales enquiries and product information
- Product usage questions or problems
- Enquiries on repair service and warranty

Help for Users in Thailand

Contacts for information, support, and services are:

World Wide Web

(<http://www.epson.co.th>)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), and e-mail are available.

Epson Hotline

(Phone: (66)2685-9899)

Our Hotline team can help you with the following over the phone:

- Sales enquiries and product information
- Product usage questions or problems
- Enquiries on repair service and warranty

Help for Users in Vietnam

Contacts for information, support, and services are:

Epson Hotline (Phone): 84-8-823-9239

Service Center: 80 Truong Dinh Street,
District 1, Hochiminh City
Vietnam

Help for Users in Indonesia

Contacts for information, support, and services are:

World Wide Web

(<http://www.epson.co.id>)

- Information on product specifications, drivers for download

- Frequently Asked Questions (FAQ), Sales Enquiries, questions through e-mail

Epson Hotline

- Sales enquiries and product information
- Technical support

Phone (62) 21-572 4350

Fax (62) 21-572 4357

Epson Service Center

Jakarta Mangga Dua Mall 3rd floor No 3A/B
Jl. Arteri Mangga Dua,
Jakarta

Phone/Fax: (62) 21-62301104

Bandung Lippo Center 8th floor
Jl. Gatot Subroto No.2
Bandung

Phone/Fax: (62) 22-7303766

Surabaya Hitech Mall It IIB No. 12
Jl. Kusuma Bangsa 116 – 118
Surabaya

Phone: (62) 31-5355035

Fax: (62)31-5477837

Yogyakarta Hotel Natour Garuda
Jl. Malioboro No. 60
Yogyakarta

Phone: (62) 274-565478

Medan Wisma HSBC 4th floor
Jl. Diponegoro No. 11
Medan

Phone/Fax: (62) 61-4516173

Makassar MTC Karebosi Lt. III Kav. P7-8
Jl. Ahmad Yani No.49
Makassar

Phone: (62)411-350147/411-350148

Help for Users in Hong Kong

To obtain technical support as well as other after-sales services, users are welcome to contact Epson Hong Kong Limited.

Where To Get Help

Internet Home Page

Epson Hong Kong has established a local home page in both Chinese and English on the Internet to provide users with the following information:

- Product information
- Answers to Frequently Asked Questions (FAQs)
- Latest versions of Epson product drivers

Users can access our World Wide Web home page at:

<http://www.epson.com.hk>

Technical Support Hotline

You can also contact our technical staff at the following telephone and fax numbers:

Phone: (852) 2827-8911

Fax: (852) 2827-4383

Help for Users in Malaysia

Contacts for information, support, and services are:

World Wide Web

<http://www.epson.com.my>

- Information on product specifications, drivers for download
- Frequently Asked Questions (FAQ), Sales Enquiries, questions through e-mail

Epson Trading (M) Sdn. Bhd.

Head Office.

Phone: 603-56288288

Fax: 603-56288388/399

Epson Helpdesk

- Sales enquiries and product information (Infoline)

Phone: 603-56288222

- Enquiries on repair services & warranty, product usage and technical support (Techline)

Phone: 603-56288333

Help for Users in India

Contacts for information, support, and services are:

World Wide Web

<http://www.epson.co.in>

Information on product specifications, drivers for download, and products enquiry are available.

Epson India Head Office - Bangalore

Phone: 080-30515000

Fax: 30515005

Epson India Regional Offices:

Location	Telephone number	Fax number
Mumbai	022-28261515 /16/17	022-28257287
Delhi	011-30615000	011-30615005
Chennai	044-30277500	044-30277575
Kolkata	033-22831589 / 90	033-22831591
Hyderabad	040-66331738/ 39	040-66328633
Cochin	0484-2357950	0484-2357950
Coimbatore	0422-2380002	NA
Pune	020-30286000 /30286001 /30286002	020-30286000
Ahmedabad	079-26407176 / 77	079-26407347

Helpline

For Service, Product info or to order a cartridge - 18004250011 (9AM - 9PM) - This is a Toll-free number.

For Service (CDMA & Mobile Users) - 3900 1600 (9AM - 6PM) Prefix local STD code

Help for Users in the Philippines

To obtain technical support as well as other after sales services, users are welcome to contact the Epson Philippines Corporation at the telephone and fax numbers and e-mail address below:

Trunk Line:	(63-2) 706 2609
Fax:	(63-2) 706 2665
Helpdesk Direct Line:	(63-2) 706 2625
E-mail:	epchelpdesk@epc.epson.com.ph

World Wide Web

(<http://www.epson.com.ph>)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), and E-mail Enquiries are available.

Toll-Free No. 1800-1069-EPSON(37766)

Our Hotline team can help you with the following over the phone:

- Sales enquiries and product information
- Product usage questions or problems
- Enquiries on repair service and warranty

Product Information

System Requirements for the Printer Driver

Your computer should meet the following system requirements to use the printer driver:

System requirements

Windows

Operating system	Windows 7, Windows Vista x64, Windows Vista, Windows XP x64, Windows XP
CPU	Pentium 4 2GHz or higher processor
Memory	1 GB RAM or more
Hard disk space	32 GB or more free hard disk space
Display	SVGA (800 x 600) or higher resolution

Note:

You must log in as a user with an Administrator account. You cannot install the printer driver with a limited account. When you install the printer software in Windows Vista, the password may be required. If you are asked for the password, enter it and continue the operation.

Mac OS X

Operating system	PowerPC-based Macintosh computers running Mac OS X 10.4.11 to 10.7 Intel-based Macintosh computers with Rosetta
CPU	PowerPC G5 2GHz or higher processor
Memory	1 GB or more available memory
Hard disk space	32 GB or more free disk space

Printer Specifications

Printing

Printing method	On-demand ink jet
Nozzle configuration	Black: 360 nozzles × 3 (Photo Black / Matte Black, Light Black, Light Light Black)
	Color: 360 nozzles × 5 (Cyan, Vivid Magenta, Light Cyan, Vivid Light Magenta, Yellow)

Character mode	Character Pitch	Printing Column
	10 cpi*	437 (Epson Stylus Pro 9890/9908) 237 (Epson Stylus Pro 7890/7908)

* characters per inch

Raster graphic mode (Epson Stylus Pro 9890/9908)	Horizontal resolution	Printable width	Available dots
	360 dpi*	1125.6 mm (44.31")	15,953
	720 dpi	1125.6 mm (44.31")	31,906
	1440 dpi	1125.6 mm (44.31")	63,813
	2880 dpi	1125.6 mm (44.31")	127,627
Raster graphic mode (Epson Stylus Pro 7890/7908)	360 dpi*	617.6 mm (24.31")	8,753
	720 dpi	617.6 mm (24.31")	17,506
	1440 dpi	617.6 mm (24.31")	35,013
	2880 dpi	617.6 mm (24.31")	70,027

* dots per inch

Product Information

Resolution	Maximum 2880 × 1440 dpi
Print direction	Bidirectional
Control code	ESC/P2, ESC/P3
RAM	256 MB for Main 65 MB for Network
Character tables	PC 437 (US, Standard Europe)
Character sets	EPSON Courier 10 cpi

Paper feed method	Friction
Paper path	Roll paper Cut sheet (manual insertion)
Dimensions	Epson Stylus Pro 9890/9908: Width: 1864 mm Depth: 667 mm Height: 1218 mm Epson Stylus Pro 7890/7908: Width: 1356 mm Depth: 667 mm Height: 1218 mm
Weight (Total of printer, stand, and paper basket)	Epson Stylus Pro 9890/9908: Approx. 135 kg without the ink cartridges Epson Stylus Pro 7890/7908: Approx. 101 kg without the ink cartridges

Electrical

Rated voltage	AC 100-240 V
Input voltage range	AC 90 to 264 V
Rated frequency range	50 to 60 Hz
Input frequency range	49.5 to 60.5 Hz
Rated current	Epson Stylus Pro 9890/9908: 1.0 to 0.5 A Epson Stylus Pro 7890/7908: 1.0 to 0.5 A
Power consumption	Epson Stylus Pro 9890/9908: Approx. 80 W Approx. 16 W or below in Sleep mode Approx. 1 W or below in Power off mode Epson Stylus Pro 7890/7908: Approx. 70 W Approx. 16 W or below in Sleep mode Approx. 1 W or below in Power off mode

Product Information

Ink cartridges

Colors	Photo Black	
	Matte Black	
	Light Black	
	Light Light Black	
	Cyan	
	Vivid Magenta	
	Yellow	
	Light Cyan	
	Vivid Light Magenta	
Cartridge life	See the date printed on the package if unopened.	
	Within 6 months of installation for best results.	
Temperature	Storage (uninstalled)	-20 to 40°C (-4 to 104°F)
		1 month at 40°C (104°F)
	Storage (installed)	-20 to 40°C (-4 to 104°F)
		1 month at 40°C (104°F)
Capacity	700 ml/350 ml/150 ml	
Dimensions	700 ml: (W) 40 mm × (D) 320 mm × (H) 107 mm	
	350 ml/150 ml: (W) 40 mm × (D) 240 mm × (H) 107 mm	

Note:

- ❑ *The ink cartridges packaged with your printer are partly used during initial setup. In order to produce high-quality prints, the print head in your printer will be fully charged with ink. This one-off process consumes a quantity of ink and therefore these cartridges may print fewer pages compared to subsequent ink cartridges.*
- ❑ *Actual ink consumption may vary depending on the images that you are printing, the paper type that you are using, the frequency of your printings and environmental conditions such as temperature.*
- ❑ *Ink is consumed during the following operations: print head cleaning and ink charging when an ink cartridge is installed.*
- ❑ *To maintain print quality, we recommend printing a few pages on a regular basis.*

Product Information

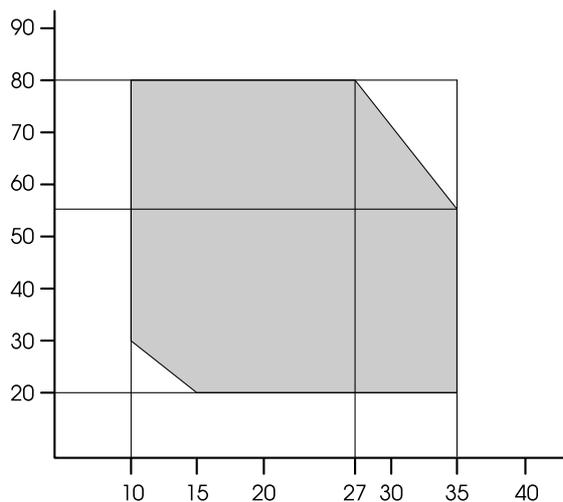
Environmental

Temperature	Operation	10 to 35°C (50 to 95°F)
	Print Quality Guarantee	15 to 25°C (59 to 77°F)
	Storage	-20 to 40°C (-4 to 104°F)
Humidity	Operation	20 to 80% RH*
	Print Quality Guarantee	40 to 60% RH*
	Storage	5 to 85% RH**

* Without condensation

** Stored in shipping container

Operational conditions (temperature and humidity):



Standards and Approvals

Safety	UL 60950-1	
	CAN/CSA C22.2 No.60950-1	
	Low Voltage Directive 2006/95/EC	EN 60950-1
EMC	FCC part 15 subpart B Class B	
	CAN/CSA-CEI/IEC CISPR 22 Class B	
	AS/NZS CISPR 22 Class B	
	EMC Directive 2004/108/EC	EN 55022 Class A
		EN 55024
EN 61000-3-2		
	EN 61000-3-3	

For Users in Europe



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.

Product Information

Interface

Your printer is equipped with a USB interface and an Ethernet interface.

USB interface

Hi-Speed USB - Compatible with the USB 2.0 Specification.

Ethernet interface

The printer has a built-in Ethernet interface. Use a 10BASE-T, 100BASE-TX STP (shielded twisted-pair) cable via the RJ-45 connector to connect to a network.

Software License Terms

Open Source Software Licenses

Bonjour

This printer product includes the open source software programs which apply the Apple Public Source License Version 1.2 or its latest version ("Bonjour Programs").

We provide the source code of the Bonjour Programs pursuant to the Apple Public Source License Version 1.2 or its latest version until five (5) years after the discontinuation of same model of this printer product. If you desire to receive the source code of the Bonjour 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.

You can redistribute Bonjour Programs and/or modify it under the terms of the Apple Public Source License Version 1.2 or its latest version.

These Bonjour Programs are WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The Apple Public Source License Version 1.2 is as follows. You also can see the Apple Public Source License Version 1.2 at <http://www.opensource.apple.com/apsl/>.

APPLE PUBLIC SOURCE LICENSE
Version 2.0 - August 6, 2003

1. General; Definitions. This License applies to any program or other work which Apple Computer, Inc. ("Apple") makes publicly available and which contains a notice placed by Apple identifying such program or work as "Original Code" and stating that it is subject to the terms of this Apple Public Source License version 2.0 ("License"). As used in this License:

1.1 "Applicable Patent Rights" mean: (a) in the case where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only to the extent necessary to use, reproduce and/or distribute the Original Code without infringement; and (b) in the case where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to You and (ii) that cover subject matter in Your Modifications, taken alone or in combination with Original Code.

1.2 "Contributor" means any person or entity that creates or contributes to the creation of Modifications.

1.3 "Covered Code" means the Original Code, Modifications, the combination of Original Code and any Modifications, and/or any respective portions thereof.

Software License Terms

1.4 "Externally Deploy" means: (a) to sublicense, distribute or otherwise make Covered Code available, directly or indirectly, to anyone other than You; and/or (b) to use Covered Code, alone or as part of a Larger Work, in any way to provide a service, including but not limited to delivery of content, through electronic communication with a client other than You.

1.5 "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.6 "Modifications" mean any addition to, deletion from, and/or change to, the substance and/or structure of the Original Code, any previous Modifications, the combination of Original Code and any previous Modifications, and/or any respective portions thereof. When code is released as a series of files, a Modification is: (a) any addition to or deletion from the contents of a file containing Covered Code; and/or (b) any new file or other representation of computer program statements that contains any part of Covered Code.

1.7 "Original Code" means (a) the Source Code of a program or other work as originally made available by Apple under this License, including the Source Code of any updates or upgrades to such programs or works made available by Apple under this License, and that has been expressly identified by Apple as such in the header file(s) of such work; and (b) the object code compiled from such Source Code and originally made available by Apple under this License

1.8 "Source Code" means the human readable form of a program or other work that is suitable for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an executable (object code).

1.9 "You" or "Your" means an individual or a legal entity exercising rights under this License. For legal entities, "You" or "Your" includes any entity which controls, is controlled by, or is under common control with, You, where "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Permitted Uses; Conditions & Restrictions. Subject to the terms and conditions of this License, Apple hereby grants You, effective on the date You accept this License and download the Original Code, a world-wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights and copyrights covering the Original Code, to do the following:

2.1 Unmodified Code. You may use, reproduce, display, perform, internally distribute within Your organization, and Externally Deploy verbatim, unmodified copies of the Original Code, for commercial or non-commercial purposes, provided that in each instance:

(a) You must retain and reproduce in all copies of Original Code the copyright and other proprietary notices and disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the Original Code that refer to this License; and

(b) You must include a copy of this License with every copy of Source Code of Covered Code and documentation You distribute or Externally Deploy, and You may not offer or impose any terms on such Source Code that alter or restrict this License or the recipients' rights hereunder, except as permitted under Section 6.

Software License Terms

2.2 Modified Code. You may modify Covered Code and use, reproduce, display, perform, internally distribute within Your organization, and Externally Deploy Your Modifications and Covered Code, for commercial or non-commercial purposes, provided that in each instance You also meet all of these conditions:

(a) You must satisfy all the conditions of Section 2.1 with respect to the Source Code of the Covered Code;

(b) You must duplicate, to the extent it does not already exist, the notice in Exhibit A in each file of the Source Code of all Your Modifications, and cause the modified files to carry prominent notices stating that You changed the files and the date of any change; and

(c) If You Externally Deploy Your Modifications, You must make Source Code of all Your Externally Deployed Modifications either available to those to whom You have Externally Deployed Your Modifications, or publicly available. Source Code of Your Externally Deployed Modifications must be released under the terms set forth in this License, including the license grants set forth in Section 3 below, for as long as you Externally Deploy the Covered Code or twelve (12) months from the date of initial External Deployment, whichever is longer. You should preferably distribute the Source Code of Your Externally Deployed Modifications electronically (e.g. download from a web site).

2.3 Distribution of Executable Versions. In addition, if You Externally Deploy Covered Code (Original Code and/or Modifications) in object code, executable form only, You must include a prominent notice, in the code itself as well as in related documentation, stating that Source Code of the Covered Code is available under the terms of this License with information on how and where to obtain such Source Code.

2.4 Third Party Rights. You expressly acknowledge and agree that although Apple and each Contributor grants the licenses to their respective portions of the Covered Code set forth herein, no assurances are provided by Apple or any Contributor that the Covered Code does not infringe the patent or other intellectual property rights of any other entity. Apple and each Contributor disclaim any liability to You for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, You hereby assume sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow You to distribute the Covered Code, it is Your responsibility to acquire that license before distributing the Covered Code.

3. Your Grants. In consideration of, and as a condition to, the licenses granted to You under this License, You hereby grant to any person or entity receiving or distributing Covered Code under this License a non-exclusive, royalty-free, perpetual, irrevocable license, under Your Applicable Patent Rights and other intellectual property rights (other than patent) owned or controlled by You, to use, reproduce, display, perform, modify, sublicense, distribute and Externally Deploy Your Modifications of the same scope and extent as Apple's licenses under Sections 2.1 and 2.2 above.

4. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In each such instance, You must make sure the requirements of this License are fulfilled for the Covered Code or any portion thereof.

5. Limitations on Patent License. Except as expressly stated in Section 2, no other patent rights, express or implied, are granted by Apple herein. Modifications and/or Larger Works may require additional patent licenses from Apple which Apple may grant in its sole discretion.

Software License Terms

6. **Additional Terms.** You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations and/or other rights consistent with the scope of the license granted herein ("Additional Terms") to one or more recipients of Covered Code. However, You may do so only on Your own behalf and as Your sole responsibility, and not on behalf of Apple or any Contributor. You must obtain the recipient's agreement that any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend and hold Apple and every Contributor harmless for any liability incurred by or claims asserted against Apple or such Contributor by reason of any such Additional Terms.

7. **Versions of the License.** Apple may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Once Original Code has been published under a particular version of this License, You may continue to use it under the terms of that version. You may also choose to use such Original Code under the terms of any subsequent version of this License published by Apple. No one other than Apple has the right to modify the terms applicable to Covered Code created under this License.

8. **NO WARRANTY OR SUPPORT.** The Covered Code may contain in whole or in part pre-release, untested, or not fully tested works. The Covered Code may contain errors that could cause failures or loss of data, and may be incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Covered Code, or any portion thereof, is at Your sole and entire risk. THE COVERED CODE IS PROVIDED "AS IS" AND WITHOUT WARRANTY, UPGRADES OR SUPPORT OF ANY KIND AND APPLE AND APPLE'S LICENSOR(S) (COLLECTIVELY REFERRED TO AS "APPLE" FOR THE PURPOSES OF SECTIONS 8 AND 9) AND ALL CONTRIBUTORS EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF FITNESS FOR A PARTICULAR PURPOSE, OF ACCURACY, OF QUIET ENJOYMENT, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE AND EACH CONTRIBUTOR DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE COVERED CODE, THAT THE FUNCTIONS CONTAINED IN THE COVERED CODE WILL MEET YOUR REQUIREMENTS, THAT THE OPERATION OF THE COVERED CODE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE COVERED CODE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY APPLE, AN APPLE AUTHORIZED REPRESENTATIVE OR ANY CONTRIBUTOR SHALL CREATE A WARRANTY. You acknowledge that the Covered Code is not intended for use in the operation of nuclear facilities, aircraft navigation, communication systems, or air traffic control machines in which case the failure of the Covered Code could lead to death, personal injury, or severe physical or environmental damage.

9. **LIMITATION OF LIABILITY.** TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT SHALL APPLE OR ANY CONTRIBUTOR BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE COVERED CODE, OR ANY PORTION THEREOF, WHETHER UNDER A THEORY OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCTS LIABILITY OR OTHERWISE, EVEN IF APPLE OR SUCH CONTRIBUTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU. In no event shall Apple's total liability to You for all damages (other than as may be required by applicable law) under this License exceed the amount of fifty dollars (\$50.00).

Software License Terms

10. Trademarks. This License does not grant any rights to use the trademarks or trade names "Apple", "Apple Computer", "Mac", "Mac OS", "QuickTime", "QuickTime Streaming Server" or any other trademarks, service marks, logos or trade names belonging to Apple (collectively "Apple Marks") or to any trademark, service mark, logo or trade name belonging to any Contributor. You agree not to use any Apple Marks in or as part of the name of products derived from the Original Code or to endorse or promote products derived from the Original Code other than as expressly permitted by and in strict compliance at all times with Apple's third party trademark usage guidelines which are posted at <http://www.apple.com/legal/guidelinesfor3rdparties.html>.

11. Ownership. Subject to the licenses granted under this License, each Contributor retains all rights, title and interest in and to any Modifications made by such Contributor. Apple retains all rights, title and interest in and to the Original Code and any Modifications made by or on behalf of Apple ("Apple Modifications"), and such Apple Modifications will not be automatically subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifications under this License, or on different terms from those contained in this License or may choose not to license them at all.

12. Termination.

12.1 Termination. This License and the rights granted hereunder will terminate:

(a) automatically without notice from Apple if You fail to comply with any term(s) of this License and fail to cure such breach within 30 days of becoming aware of such breach;

(b) immediately in the event of the circumstances described in Section 13.5(b); or

(c) automatically without notice from Apple if You, at any time during the term of this License, commence an action for patent infringement against Apple; provided that Apple did not first commence an action for patent infringement against You in that instance.

12.2 Effect of Termination. Upon termination, You agree to immediately stop any further use, reproduction, modification, sublicensing and distribution of the Covered Code. All sublicenses to the Covered Code which have been properly granted prior to termination shall survive any termination of this License. Provisions which, by their nature, should remain in effect beyond the termination of this License shall survive, including but not limited to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. No party will be liable to any other for compensation, indemnity or damages of any sort solely as a result of terminating this License in accordance with its terms, and termination of this License will be without prejudice to any other right or remedy of any party.

13. Miscellaneous.

13.1 Government End Users. The Covered Code is a "commercial item" as defined in FAR 2.101. Government software and technical data rights in the Covered Code include only those rights customarily provided to the public as defined in this License. This customary commercial license in technical data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data -- Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

Software License Terms

13.2 Relationship of Parties. This License will not be construed as creating an agency, partnership, joint venture or any other form of legal association between or among You, Apple or any Contributor, and You will not represent to the contrary, whether expressly, by implication, appearance or otherwise.

13.3 Independent Development. Nothing in this License will impair Apple's right to acquire, license, develop, have others develop for it, market and/or distribute technology or products that perform the same or similar functions as, or otherwise compete with, Modifications, Larger Works, technology or products that You may develop, produce, market or distribute.

13.4 Waiver; Construction. Failure by Apple or any Contributor to enforce any provision of this License will not be deemed a waiver of future enforcement of that or any other provision. Any law or regulation which provides that the language of a contract shall be construed against the drafter will not apply to this License.

13.5 Severability. (a) If for any reason a court of competent jurisdiction finds any provision of this License, or portion thereof, to be unenforceable, that provision of the License will be enforced to the maximum extent permissible so as to effect the economic benefits and intent of the parties, and the remainder of this License will continue in full force and effect. (b) Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or specifically complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections, this License will immediately terminate and You must immediately discontinue any use of the Covered Code and destroy all copies of it that are in your possession or control.

13.6 Dispute Resolution. Any litigation or other dispute resolution between You and Apple relating to this License shall take place in the Northern District of California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, the state and federal courts within that District with respect to this License. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded.

13.7 Entire Agreement; Governing Law. This License constitutes the entire agreement between the parties with respect to the subject matter hereof. This License shall be governed by the laws of the United States and the State of California, except that body of California law concerning conflicts of law.

Where You are located in the province of Quebec, Canada, the following clause applies: The parties hereby confirm that they have requested that this License and all related documents be drafted in English. Les parties ont exigé que le présent contrat et tous les documents connexes soient rédigés en anglais.

EXHIBIT A.

"Portions Copyright (c) 1999-2003 Apple Computer, Inc. All Rights Reserved.

This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 2.0 (the 'License'). You may not use this file except in compliance with the License. Please obtain a copy of the License at <http://www.opensource.apple.com/apsl/> and read it before using this file.

Software License Terms

The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License."

Other Software Licenses

Info-ZIP copyright and license

This is version 2007-Mar-4 of the Info-ZIP license. The definitive version of this document should be available at <ftp://ftp.info-zip.org/pub/infozip/license.html> indefinitely and a copy at <http://www.info-zip.org/pub/infozip/license.html>.

Copyright © 1990-2007 Info-ZIP. All rights reserved.

For the purposes of this copyright and license, "Info-ZIP" is defined as the following set of individuals:

Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois, Jean-loup Gailly, Hunter Goatley, Ed Gordon, Ian Gorman, Chris Herborth, Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz, David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain the above copyright notice, definition, disclaimer, and this list of conditions.
2. Redistributions in binary form (compiled executables and libraries) must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.
3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP--must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.

Software License Terms

4. Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "UnZipSFX," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.