EPSON®

Color Laser Printer

EPSON AcuLaser™ C1100 Series

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Where to Find Information

Setup Guide

Provides you with information on assembling the printer and installing the printer software.

Reference Guide (this manual)

Provides you with detailed information on the printer's functions, optional products, maintenance, troubleshooting, and technical specifications.

Network Guide

Provides network administrators with information on both the printer driver and network settings.You need to install this guide from the Network utility CD-ROM to your computer's hard disk before referring it.

Paper Jam Guide

Provides you with solutions for paper jam problems about your printer you may need to refer to on a regular basis. We recommend printing this guide and keeping it near the printer.

Online Help for printer software

Click Help for detailed information and instructions on the printer software that controls your printer. Online help is automatically installed when you install the printer software.

Contents

Safety Information 10
Warnings, Cautions, and Notes 10
Safety Precautions 10
Important Safety Instructions 13
Power On/Off Cautions 14

Chapter 1 ***Getting to Know Your Printer***

Printer Parts 15
Front view 15
Rear view 16
Inside the printer 16
Control panel 17
Options and Consumable Products 19
Options 19
Consumable products 19
Various Printing Options 20
Double-sided printing 20
Fit to page printing 21
Pages per sheet printing 21
Watermark printing 22

Chapter 2 ***Paper Handling***

Paper Sources 23
MP tray 23
Optional paper cassette unit 25
Selecting a paper source 25
Loading Paper 27
MP tray 27
Optional 500-Sheet Paper Cassette Unit 29
Output tray 31

Printing on Special Media 32
EPSON Color Laser Paper 32
EPSON Color Laser Transparencies 33
EPSON Color Laser Coated Paper 34
Envelopes 35
Labels 37
Thick paper and extra thick paper 38
Transparencies 38
Loading a custom paper size 39

Chapter 3 ***Using the Printer Software with Windows***

About the Printer Software 40
Accessing the printer driver 40
Making Changes to Printer Settings 41
Making the print quality setting 41
Resizing printouts 48
Modifying the print layout 50
Using a watermark 52
Duplex printing 56
Making Extended Settings 60
Making Optional Settings 62
Monitoring Your Printer Using EPSON Status Monitor 3 63
Installing EPSON Status Monitor 3 63
Accessing EPSON Status Monitor 3 66
Getting printer status details 67
Order Online 69
Setting Monitoring Preferences 71
Status Alert window 73
Job Management function 73
Stopping monitoring 77
Monitored Printers settings 77
Setting Up the USB Connection 78
Canceling Printing 80
Uninstalling the Printer Software 81
Uninstalling the printer driver 81
Uninstall the USB device driver 84

About the Printer Software 86
Accessing the printer driver 87
Making Changes to Printer Settings 88
Making the print quality settings 88
Resizing printouts 96
Modifying the print layout 97
Using a watermark 99
Duplex printing 104
Making Extended Settings 107
Monitoring Your Printer using EPSON Status Monitor 3 110
Accessing EPSON Status Monitor 3 110
Getting printer status details 112
Setting Monitoring Preferences 114
Status Alert window 116
Using the Job Management function 117
Setting Up the USB Connection 119
Canceling Printing 120
Uninstalling the Printer Software 121
For Mac OS X 121
For Mac OS 9 122

For Windows 123
Sharing the printer 123
Setting up your printer as a shared printer 124
Using an additional driver 126
Setting up clients 132
Installing the printer driver from the CD-ROM 140
For Macintosh 142
Sharing the printer 142
For Mac OS X users 142
For Mac OS 9 users 142

Optional Paper Cassette Unit 146
Handling precautions 146
Installing the optional paper cassette unit 147
Removing the optional paper cassette unit 149
Duplex Unit 150
Installing the Duplex Unit 150
Removing the Duplex Unit 154
Memory Module 155
Installing a memory module 155
Removing a memory module 158

Replacement Messages 159
Toner Cartridge 161
Handling precautions 161
Replacing a toner cartridge 162
Photoconductor Unit 165
Handling precautions 165
Replacing the photoconductor unit 166
Cleaning the Printer 169
Cleaning the pickup roller 170
Cleaning the print head 170
Transporting the Printer 172
For long distances 172
For short distances 173
Finding a place for the printer 174

Clearing Jammed Paper 176
Precautions for clearing jammed paper 176
Jam C (cover C) 177
Jam D (cover D) 179
Jam E (cover E) 182
Jam F (cover F) 183

Jam DM (cover DM) 186
Jam MP (MP tray) 187
Jam LC (paper cassette) 188
Jam G (cover G) 189
When transparencies are jammed at the MP tray 191
Printing a Status Sheet 193
Operational Problems 194
The Ready light does not turn on 194
The printer does not print (Ready light off) 194
The Ready light is on but nothing prints 195
The optional product is not available 196
Sharing Problems 196
Network printers cannot be monitored in a Windows 95 environment 196
Printout Problems 197
Printout is garbled 197
Color Printing Problems 198
Cannot print in color 198
The printout color differs when printed from different printers 198
The color looks different from what you see on the computer screen 199
Print Quality Problems 200
The background is dark or dirty 200
White dots appear in the printout 200
Print quality or tone is uneven 201
Half-tone images print unevenly 201
Toner smudges 202
Areas are missing in the printed image 203
Completely blank pages are output 203
The printed image is light or faint 204
The non-printed side of the page is dirty 204
Memory Problems 205
Print quality decreased 205
Insufficient memory for current task 205
Insufficient memory to print all copies 205
Paper Handling Problems 206
Paper does not feed properly 206
Problems Using Options 207
Paper does not feed from the optional paper cassette 207

Feed jam when using the optional paper cassette 208
An installed option cannot be used 208
Correcting USB Problems 209
USB connections 209
Windows operating system 209
Printer software installation 209
Status and Error Messages 216
Canceling Printing 228
Using the Cancel Job button 228
Using the Reset menu 228
Contacting Customer Support 229

Appendix A ***Technical Specifications***

Printer Features. 231
High-quality printing 231
Duplex printing 231
Pre-defined color settings in the printer driver 232
Toner save mode 232
Resolution Improvement Technology and Enhanced MicroGray technology 232
Paper. 233
Available paper types 233
Paper that should not be used 234
Printable area 235
Printer. 235
General 235
Environmental 236
Mechanical 237
Electrical 238
Standards and approvals 239
Interfaces 240
Parallel interface 240
USB interface 241
Ethernet interface 241
Options and Consumables 242
Optional 500-Sheet Paper Cassette Unit 242
Duplex Unit 243
Memory modules 243

Toner cartridge 244
Photoconductor unit 245

Appendix B ***Functions of the Control Panel***

Using the Control Panel Menus 247
When to make control panel settings 247
How to access the control panel menus 247
Control Panel Menus. 249
Information Menu 249
Status Menu. 251
Tray Menu 251
Setup Menu 252
Reset Menu 254
Parallel Menu 255
USB Menu 256
Network Menu 258
Printer Adjust Menu 258

Appendix C ***Working with Fonts***

EPSON BarCode Fonts (Windows Only). 261
System requirements 263
Installing EPSON BarCode Fonts. 263
Printing with EPSON BarCode Fonts 265
BarCode Font specifications 269

Notice for Windows XP Users

Glossary

Index

Safety Information

Warnings, Cautions, and Notes

Warnings
must be followed carefully to avoid bodily injury.

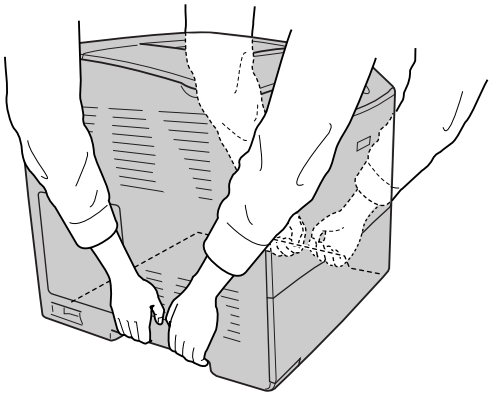
Cautions
must be observed to avoid damage to your equipment.

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

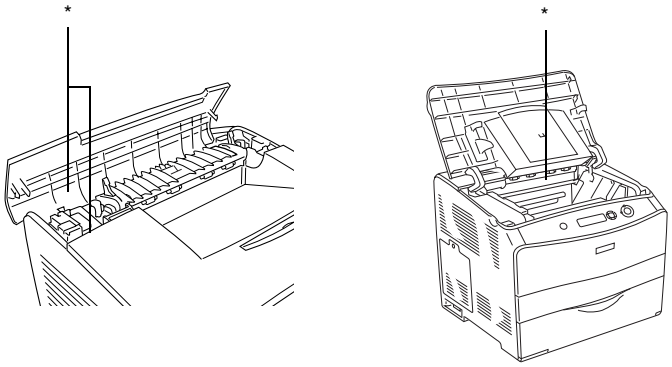
Safety Precautions

Be sure to follow the precautions carefully to ensure safe, efficient operation:

❏ Because the printer weighs approximately 28 kg (62 lb) with consumable products installed, one person should not lift or carry it. Two people should carry the printer, lifting it by the correct positions as shown below.



❏ Be careful not to touch the fuser, which is marked CAUTION HIGH TEMPERATURE, or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot.



* CAUTION HIGH TEMPERATURE

❏ Do not insert your hand deep into the fuser unit as some components are sharp and may cause injury.

❏ Avoid touching the components inside the printer unless instructed to do so in this guide.

❏ Never force the printer's components into place. Although the printer is designed to be sturdy, rough handling can damage it.

❏ When handling a toner cartridge, always place them on a clean, smooth surface.

❏ Do not attempt to modify a toner cartridge or take them apart. They cannot be refilled.

❏ Do not touch the toner. Keep the toner away from your eyes.

- ❏ Do not dispose of used toner cartridge, photoconductor units, or fuser units in fire, as they can explode and cause injury. Dispose of them according to local regulations.

- ❏ If toner is spilled, use a broom and dustpan or a damp cloth with soap and water to clean it up. Because the fine particles can cause a fire or explosion if they come into contact with a spark, do not use a vacuum cleaner.

- ❏ Wait at least one hour before using a toner cartridge after moving it from a cool to a warm environment to prevent damage from condensation.

- ❏ When removing the photoconductor unit, avoid exposing it to room light for more than five minutes. The unit contains a blue-colored light-sensitive drum. Exposure to light can damage the drum, causing dark or light areas to appear on the printed page and reducing the service life of the drum. If you need to keep the unit out of the printer for long periods, cover it with an opaque cloth.

- ❏ Be careful not to scratch the surface of the drum and belt. When you remove the photoconductor unit from the printer, always place the unit on a clean, smooth surface. Avoid touching the drum, since oil from your skin can permanently damage its surface and affect print quality.

- ❏ To get the best print quality, do not store the photoconductor unit in an area subject to direct sunlight, dust, salty air, or corrosive gases (such as ammonia). Avoid locations subject to extreme or rapid changes in temperature or humidity.

- ❏ Be sure to keep consumable components out of the reach of children.

- ❏ Do not leave jammed paper inside the printer. This can cause the printer to overheat.

- ❏ Avoid sharing outlets with other appliances.

- ❏ Use only an outlet that meets the power requirements of this printer.

Important Safety Instructions

- ❏ Connect your printer to an electrical outlet that meets the power requirements of this printer. Your printer's power requirements are indicated on a label attached to the printer. If you are not sure of the power supply specifications in your area, contact your local power company or consult your dealer.

- ❏ If you are unable to insert the AC plug into the electrical outlet, contact an electrician.

- ❏ Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage that requires repair by a qualified service representative.

ENERGY STAR® Compliance

As an International ENERGY STAR® Partner, Epson has determined that this product meets the International ENERGY STAR® Program guidelines for energy efficiency.

The International ENERGY STAR® Office Equipment Program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, copiers, scanners, and multifunction devices, and in an effort to reduce air pollution caused by power generation. Their standards and logos are uniform among participating nations.

Power On/Off Cautions

Do not turn off the printer:

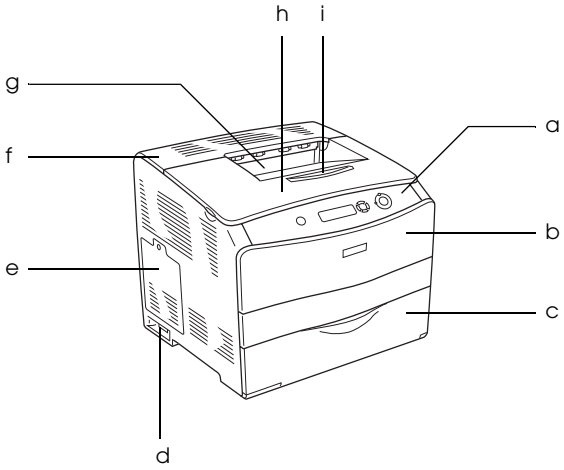
- ❏ After turning on the printer, wait until Ready appears on the LCD panel.
- ❏ While the Ready light is flashing.
- ❏ While the Data light is on or flashing.
- ❏ While printing.

Chapter 1

Getting to Know Your Printer

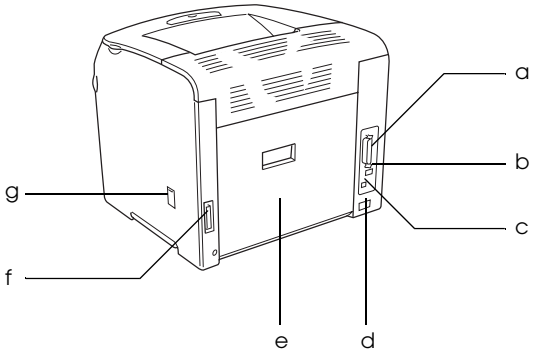
Printer Parts

Front view



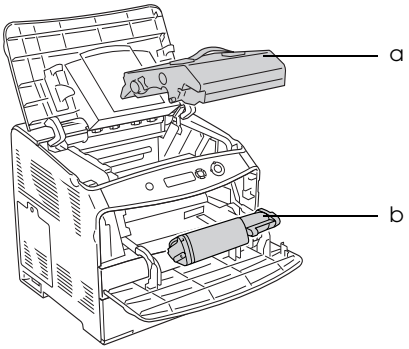
a. control panel
b. cover A
c. MP tray
d. power switch
e. option cover
f. cover C
g. face-down tray
h. cover B
i. stopper

Rear view



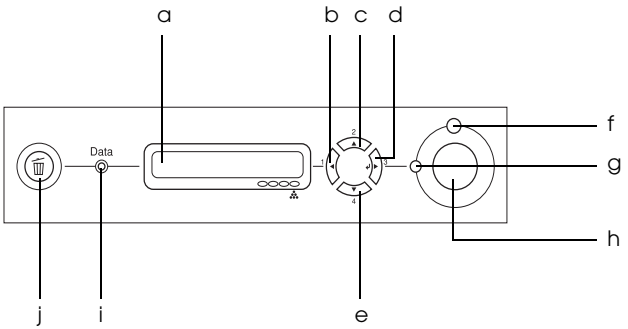
a. parallel interface connector
b. USB interface connector
c. network interface connector (for the network model only)
d. AC inlet
e. cover E
f. duplex unit connector
g. cleaner cover

Inside the printer



a. photoconductor unit
b. toner cartridge

Control panel



a. LCD panel	Displays printer status messages and control panel menu settings.
b. Back button c. Up button d. Enter button e. Down button	Use these buttons to access the control panel menus, where you can make printer settings and check the status of consumable products. For instructions on how to use these buttons, see "Using the Control Panel Menus" on page 247.
f. Error light (Red)	On or flashes when an error has occurred.
g. Ready light (Green)	On when the printer is ready, indicating that the printer is ready to receive and print data. Off when the printer is not ready.

h. Start/Stop button	When the printer is printing, pressing this button stops the printing. When the error light is flashing, pressing this button clears the error and switches the printer to ready status.
i. Data light (Yellow)	On when print data is stored in the print buffer (the section of printer memory reserved for receiving data) but not yet printed. Flashes when the printer is processing data. Off when no data remains in the print buffer.
j. Cancel Job button	Press once to cancel the current print job. Press and hold for more than two seconds to delete all jobs from the printer memory.

Options and Consumable Products

Options

You can add to your printer's capabilities by installing any of the following options.

- ❏ 500-Sheet Paper Cassette Unit (C12C802182)
  The 500-Sheet Paper Cassette Unit holds one paper cassette. It increases paper-feeding capacity up to 500 sheets of paper. For details, see "Optional Paper Cassette Unit" on page 146.

- ❏ Duplex Print Unit (C12C802192)
  The Duplex Print Unit provides for automatic printing on both sides of the paper. For details, see "Duplex Unit" on page 150.

Consumable products

The life of the following consumable products is monitored by the printer. The printer lets you know when replacements are needed.

Product name	Product code
High Capacity Toner Cartridge (Yellow)	0187
High Capacity Toner Cartridge (Magenta)	0188
High Capacity Toner Cartridge (Cyan)	0189
High Capacity Toner Cartridge (Black)	0190
Standard Capacity Toner Cartridge (Yellow)	0191
Standard Capacity Toner Cartridge (Magenta)	0192
Standard Capacity Toner Cartridge (Cyan)	0193
Photoconductor Unit	1104

Various Printing Options

This printer provides you with a variety of different printing options. You can print in various formats, or you can print using many different types of paper.

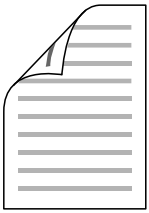
The following explains the procedure for each type of printing. Choose the procedure appropriate for your print job.

Double-sided printing

"Installing the Duplex Unit" on page 150

"Duplex printing" on page 56 (Windows)

"Duplex printing" on page 104 (Macintosh)



Lets you print on both sides of the paper.

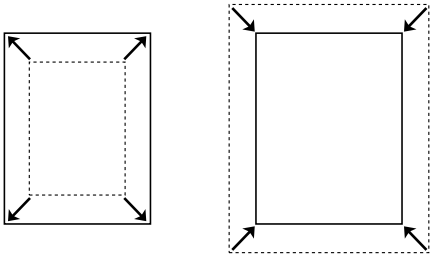
Note:
You need an optional Duplex Unit installed on your printer in order to automatically print on both sides of the paper.

Fit to page printing

"Resizing printouts" on page 48 (Windows)

"Resizing printouts" on page 96 (Macintosh)

Note:
This function is not available with Mac OS X.

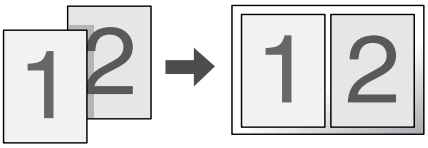


Lets you automatically enlarge or reduce the size of your document to fit the paper size you selected.

Pages per sheet printing

"Modifying the print layout" on page 50 (Windows)

"Modifying the print layout" on page 97 (Macintosh)



Lets you print two or four pages on a single sheet.

Watermark printing

"Using a watermark" on page 52 (Windows)

"Using a watermark" on page 99 (Macintosh)

Note:
This function is not available with Mac OS X.

Lets you print text or an image as a watermark on your printout. For example, you can put "Confidential" on an important document.

Chapter 2

Paper Handling

Paper Sources

This section describes the combinations of paper sources and paper types that you can use.

MP tray

Paper Type	Paper Size	Capacity
Plain paper Weight: 64 to 80 g/m²	A4, A5, B5, Letter (LT), Government Letter (GLT), Half Letter (HLT), Executive (EXE) Custom-size paper: 90 × 110 mm minimum 220 × 297 mm maximum	Up to 180 sheets (Total thick stack: up to 20 mm)
Semi-Thick paper Weight: 80 to 105 g/m²	A4, A5, B5, Letter (LT), Government Letter (GLT), Half Letter (HLT), Executive (EXE) Custom-size paper: 90 × 110 mm minimum 220 × 297 mm maximum	Up to 20 mm thick stack
Envelopes	C5, C6, C10, DL, Monarch, ISO-B5	Up to 20 sheets (Total thick stack: up to 20 mm)
Labels	A4, Letter (LT)	Up to 75 sheets

Paper Type	Paper Size	Capacity
Thick paper Weight: 106 to 163 g/m²	A4, A5, B5, Letter (LT), Government Letter (GLT), Half Letter (HLT), Executive (EXE) Custom-size paper: 90 × 110 mm minimum 220 × 297 mm maximum	Up to 20 mm thick stack
Extra thick paper Weight: 164 to 210 g/m²	90 × 110 mm minimum 220 × 297 mm maximum	Up to 20 mm thick stack
Coated paper Weight: 105 to 210 g/m²	A4, A5, B5, Letter (LT), Government Letter (GLT), Half Letter (HLT), Executive (EXE) Custom-size paper: 90 × 110 mm minimum 220 × 297 mm maximum	Up to 20 mm thick stack
EPSON Color Laser Paper	A4	Up to 180 sheets (Total thickness: up to 20 mm)
EPSON Color Laser Transparencies	A4, Letter (LT)	Up to 75 sheets
EPSON Color Coated paper	A4	Up to 20 mm thick stack

Optional paper cassette unit

Paper Type	Paper Size	Capacity
Plain paper	A4, Letter (LT)	Up to 500 sheets in each cassette (Total thickness: up to 56 mm)
EPSON Color Laser Paper	A4	Up to 56 mm thick stack

Selecting a paper source

You can specify a paper source manually, or set the printer to select the paper source automatically.

Manual selection

You can use the printer driver to select a paper source manually. To access the printer driver, for Windows, see "Accessing the printer driver" on page 40, or for Macintosh, see "Accessing the printer driver" on page 87.

- For Windows
  Access the printer driver, click the Basic Settings tab, and select the paper source that you want to use from the Paper Source list. Then click OK.

- For Macintosh
  Access the printer driver, select Printer Settings from the drop-down list and click the Basic Settings tab (for Mac OS X), or open the Basic Settings dialog box (for Mac OS 9). Then, select the paper source that you want to use from the Paper Source list and click OK.

Auto selection

You can use the printer driver to select a paper source containing the appropriate size of paper automatically.
To access the printer driver, for Windows, see "Accessing the printer driver" on page 40, or for Macintosh, see "Accessing the printer driver" on page 87.

- ❏ For Windows
  Access the printer driver, click the Basic Settings tab, and select Auto Selection as the paper source. Then click OK.

- ❏ For Macintosh
  Access the printer driver, select Printer Settings from the drop-down list and click the Basic Settings tab (for Mac OS X), or open the Basic Settings dialog box (for Mac OS 9). Then, select Auto Selection as the paper source and click OK.

The printer will search for a paper source containing the specified paper size in the following order.

Standard configuration:

MP tray

With optional 500-Sheet Paper Cassette Unit installed:

MP tray
Lower Cassette

Note:

- ❏ *Paper other than A4 or Letter size can be fed only from the MP tray.*

- ❏ *If you make paper size settings or paper source settings in your application, these settings may override the printer driver settings.*

- ❏ *If you select an envelope for the Paper Size setting, it can be fed only from the MP tray regardless of the Paper Source setting.*

- ❏ *You can change the priority of the MP tray by using the* MP Mode *setting in the control panel's Setup Menu. For details, see "Setup Menu" on page 252.*

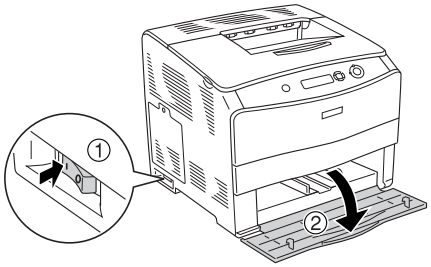
Loading Paper

This section describes how to load paper. If you use special media such as transparencies or envelopes, see also "Printing on Special Media" on page 32.

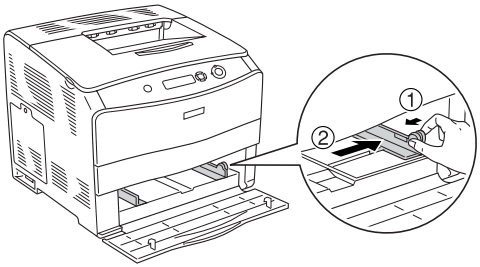
MP tray

Follow the steps below to load paper.

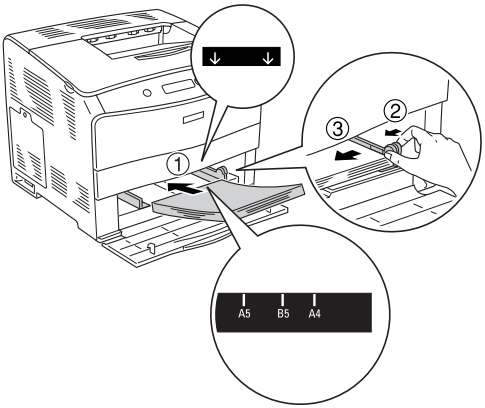
1. Turn the printer on and open the MP tray cover.



2. Slide the right paper guide outward while pinching the knob and the paper guide together.



3. Load a stack of the desired media on the center of the tray with the printable surface facing up. Then slide the side paper guide while pinching the knob and the paper guide together until it is against the right side of the stack to get a snug fit.

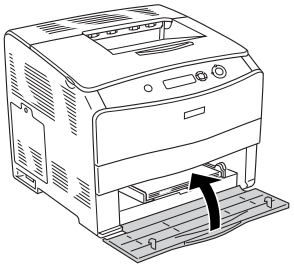


Note:

❏ *When loading the media, insert the short edge first.*

❏ *Do not load media that exceeds the maximum stack height.*

4. Close the MP tray cover.



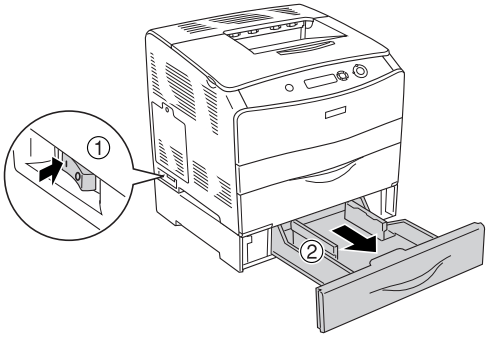
Note:

After loading paper, set the `MP Tray Size` *setting to match the loaded paper size on the control panel.*

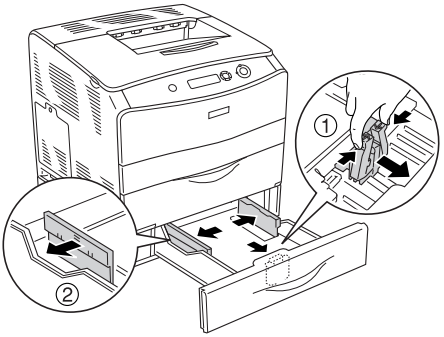
Optional 500-Sheet Paper Cassette Unit

Follow the steps below to load paper.

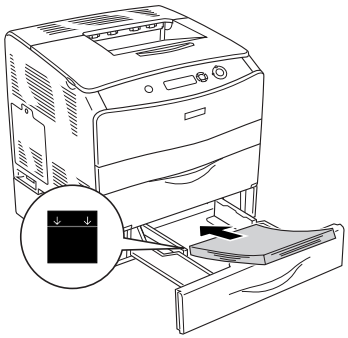
1. Turn the printer on and pull out the optional cassette.



2. Slide the paper guide while pinching the knob.



3. Load a stack of paper on the center of the cassette unit with the printable surface facing up.

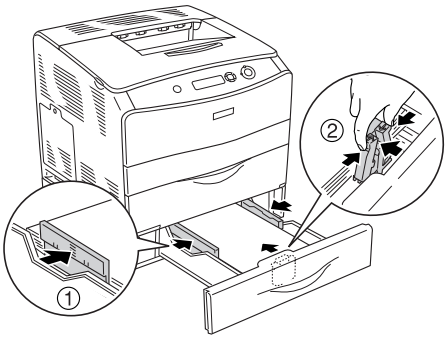


Note:

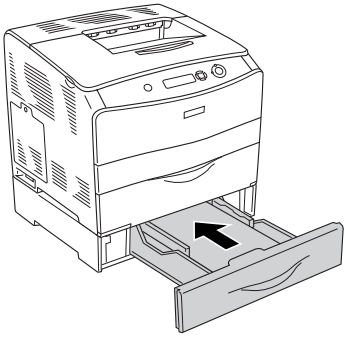
❏ *Load the paper after aligning the edges of the paper carefully.*

❏ *Do not load paper that exceeds the maximum stack height.*

4. Slide the paper guide while pinching the knob until it is against the sides of the stack to get a snug fit.



5. Reinsert the cassette into the unit.

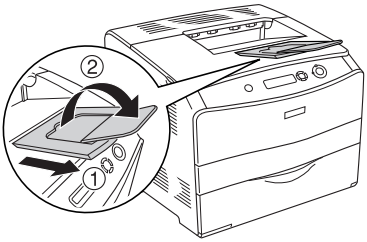


Note:
After loading paper, set the LC Size *setting to match the loaded paper size on the control panel.*

Output tray

The output tray is located on the top of the printer. Since printouts are output face-down, this tray is also referred to as the face-down tray. This tray can hold up to 250 sheets. Raise the stopper to prevent your printouts from slipping off the printer.

If the printouts do not stack well, open the extension on the stopper on the output tray.



Printing on Special Media

You can print on special media which include an assortment of Epson paper such as the following.

Note:
Since the quality of any particular brand or type of media may be changed by the manufacturer at any time, Epson cannot guarantee the quality of any type of media. Always test samples of media stock before purchasing large quantities or printing large jobs.

EPSON Color Laser Paper

When loading EPSON Color Laser Paper, you should make paper settings as shown below:

❏ Make settings on the Basic Settings in the printer driver.

Paper Size:	A4
Paper Source:	MP Tray (up to 180 sheets or up to 20 mm thick stack) Lower Cassette (up to 500 sheets or up to 56 mm thick stack)
Paper Type:	Semi-Thick

Note:
When printing on the back side of previously printed paper, select Semi-Thick (Back)*.*

❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

EPSON Color Laser Transparencies

Epson recommends the use of EPSON Color Laser Transparencies.

Note:
Duplex printing is not available for transparencies.

Transparencies can be loaded into the MP tray only. When using transparencies, you should make paper settings as shown below:

❏ Make settings on the Basic Settings in the printer driver.

Paper Size: A4 or LT

Paper Source: MP Tray (up to 75 sheets)

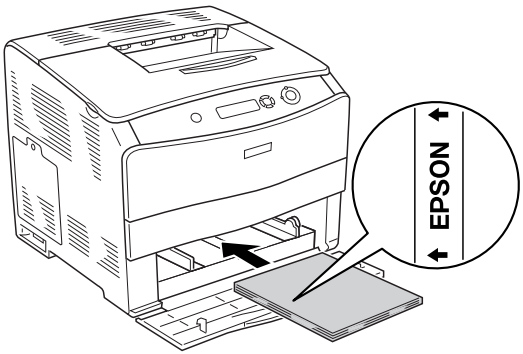
Paper Type: Transparency

❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

Please note the following when handling this media:

❏ Hold each sheet by its edges, as oil from your fingers may transfer to the surface and damage the printable surface of the sheet. The Epson logo appears on the printable side.

❏ When loading transparencies in the MP tray, insert the short edge first as shown below.



- ❏ If transparencies are loaded incorrectly, the message Check Transparency appears on the LCD panel. Remove the jammed transparencies from the printer. To clear the jam, see "When transparencies are jammed at the MP tray" on page 191.

- ❏ When using transparencies, load them in the MP tray and set the Paper Type setting to Transparency in the printer driver.

- ❏ When the Paper Type setting in the printer driver is set to Transparency, do not load any other type of paper except transparencies.

Caution:
Sheets that have just been printed on may be hot.

EPSON Color Laser Coated Paper

Printing on EPSON Color Laser Coated Paper produces glossier and higher quality printouts. When loading EPSON Color Laser Coated Paper, you should make paper settings as shown below:

- ❏ Make settings on the Basic Settings in the printer driver.

  Paper Size: A4

  Paper Source: MP Tray (up to 20 mm thick stack)

  Paper Type: Coated

  Note:
  When printing on the back side of previously printed paper, select Coated (Back).

- ❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

Envelopes

The print quality of envelopes may be irregular because different parts of an envelope have different thicknesses. Print one or two envelopes to check the print quality.

Caution:
Do not use window envelopes. The plastic on most window envelopes will melt when it comes into contact with the fuser.

Note:

- ❏ *Depending on the quality of envelopes, the printing environment, or the printing procedure, envelopes might be wrinkled. Make a trial print run before you print on a lot of envelopes.*

- ❏ *Duplex printing is not available for envelopes.*

When loading envelopes, you should make paper settings as shown below:

- ❏ Make settings on the Basic Settings menu in the printer driver.

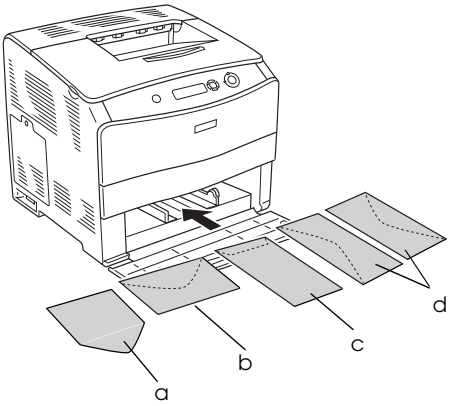
  Paper Size: IB5, C6, MON, C10, DL, or C5

  Paper Source: MP Tray (up to 20 sheets, or a stack up to 20 mm thick)

- ❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

Please note the following when handling this media.

❏ Load envelopes with the printable side up, as shown below.



a. MON
b. C6, DL
c. C5, IB5
d. C10

❏ Do not use an envelope that has glue or tape on it.

Labels

You can load up to 75 sheets of labels into the MP tray at one time. However, you may need to feed some labels one sheet at a time, or load them manually.

Note:

❏ *Duplex printing is not available for labels.*

❏ *Depending on the quality of labels, the printing environment, or the printing procedure, labels might be wrinkled. Make a trial print run before you print on a lot of labels.*

When loading labels, you should make paper settings as shown below:

❏ Make settings on the Basic Settings menu in the printer driver.

Paper Size:	A4 or LT
Paper Source:	MP Tray (up to 75 sheets)
Paper Type:	Labels

❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

Note:

❏ *You should only use labels designed for laser printers or plain-paper copiers.*

❏ *To prevent the label adhesive from coming into contact with printer parts, always use labels that completely cover the backing sheet, with no gaps between the individual labels.*

❏ *Press a sheet of paper on top of each sheet of labels. If the paper sticks, do not use those labels in your printer.*

Thick paper and extra thick paper

You can load thick paper (106 to 163 g/m²) or extra thick paper (164 to 210 g/m²) into the MP tray.

When loading thick or extra thick paper, you should make paper settings as shown below:

❏ Make settings on the Basic Settings menu in the printer driver.

Paper Size:	A4, A5, B5, LT, HLT, GLT, or EXE
Paper Source:	MP Tray (up to 20 mm thick stack)
Paper Type:	Thick or Extra Thick

❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

Note:
When using thick and extra thick paper, you cannot do duplex printing automatically. When you want to do duplex printing with thick paper, set the Paper Type setting on the printer driver to Thick (Back), Extra Thick (Back) *or* Thick, Extra Thick, *then do the duplex printing manually.*

Transparencies

When loading transparencies, you should make paper settings as shown below:

❏ Make settings on the Basic Settings menu in the printer driver.

Paper Size:	A4 or LT
Paper Source:	MP Tray (up to 75 sheets)
Paper Type:	Transparency

❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

Loading a custom paper size

You can load non-standard size paper (90 × 110 mm to 220 × 297 mm) into the MP tray as long as it meets the following size requirements:

When loading a custom paper size, you should make paper settings as shown below:

❏ Make settings on the Basic Settings menu in the printer driver.

Paper Size: User defined size

Paper Source: MP Tray (up to 20 mm thick stack)

Paper Type: Plain, Semi-Thick, Thick or Extra Thick

Note:

❏ *For Windows, access the printer driver, then select* User-Defined Size *from the Paper Size list on the Basic Settings menu. In the User Defined Paper Size dialog box, adjust the Paper Width, Paper Length, and Unit settings to match your custom paper. Then click* OK *and your custom paper size will be saved.*

❏ *For Macintosh, access the printer driver, click* Custom Size *in the Paper Setting dialog box. Then click* New*, adjust the Paper Width, Paper Length, and Margin settings to match your custom paper. Then enter the setting's name, and click* OK *to save your custom paper size.*

❏ You can also make these settings on the Tray Menu in the control panel. See "Tray Menu" on page 251.

Chapter 3

Using the Printer Software with Windows

About the Printer Software

The printer driver lets you choose from a wide variety of settings to get the best results from your printer. The printer driver also includes EPSON Status Monitor 3, which is accessed through the Utility menu. EPSON Status Monitor 3 lets you check the status of your printer.
See "Monitoring Your Printer Using EPSON Status Monitor 3" on page 63 for more information.

Accessing the printer driver

You can access the printer driver directly from any application program, from your Windows operating system.

The printer settings made from many Windows applications override the setting made when the printer driver is accessed from the operating system, so you should access the printer driver from your application to make sure that you get the result you want.

From the application

To access the printer driver, click the Print or Page Setup from the File menu. You also need to click Setup, Options, Properties, or a combination of these buttons.

Windows XP or Server 2003 users

To access the printer driver, click Start, click Printers and Faxes, then click Printers. Right-click your printer icon, then click Printing Preferences.

Windows Me, 98 or 95 users

To access the printer driver, click Start, point to Settings, then click Printers. Right-click your printer icon, then click Properties.

Windows 2000 users

To access the printer driver, click Start, point to Settings, then click Printers. Right-click your printer icon, then click Printing Preferences.

Windows NT 4.0 users

To access the printer driver, click Start, point to Settings, then click Printers. Right-click your printer icon, then click Document Defaults.

Note:
The printer driver's online help provides details on printer driver settings.

Making Changes to Printer Settings

Making the print quality setting

You can change the print quality of printouts through settings in the printer driver. With the printer driver, you can make the print settings by choosing from a list of predefined settings, or customizing the settings.

Choosing the print quality by using the Automatic setting

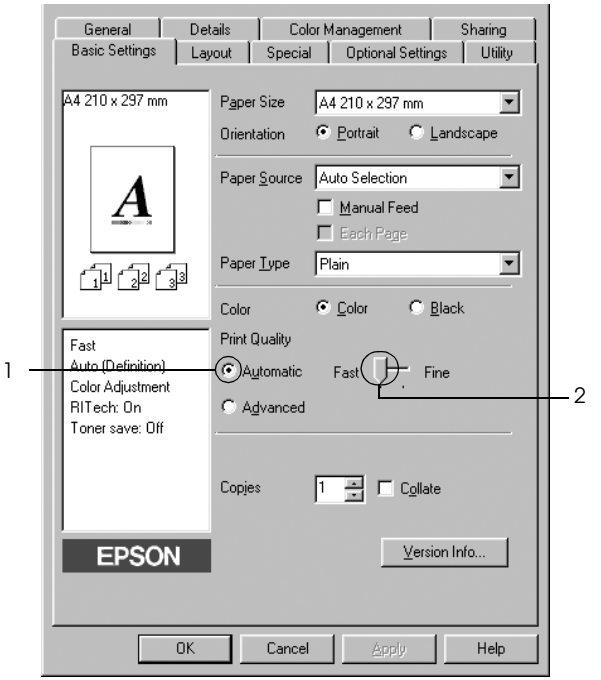
You can change the print quality of printouts to favor speed or detail. There are two levels of print output, 300 dpi and 600 dpi. 600 dpi provides high quality, precise printing, but requires more memory and slows the printing speed.

When Automatic is selected in the Basic Settings menu, the printer driver takes care of all detailed settings according to the color setting you select. Color and resolution are the only settings you have to make. You can change other settings such as paper size or orientation in most applications.

Note:
The printer driver's online help provides details on printer driver settings.

1. Click the Basic Settings tab.

2. Click Automatic. Then choose desired printing resolution from Fast (300 dpi) or Fine (600 dpi) with the slider bar.



3. Click OK to apply the settings.

   Note:
   If printing is unsuccessful or a memory-related error message appears, selecting a lower resolution may allow printing to proceed.

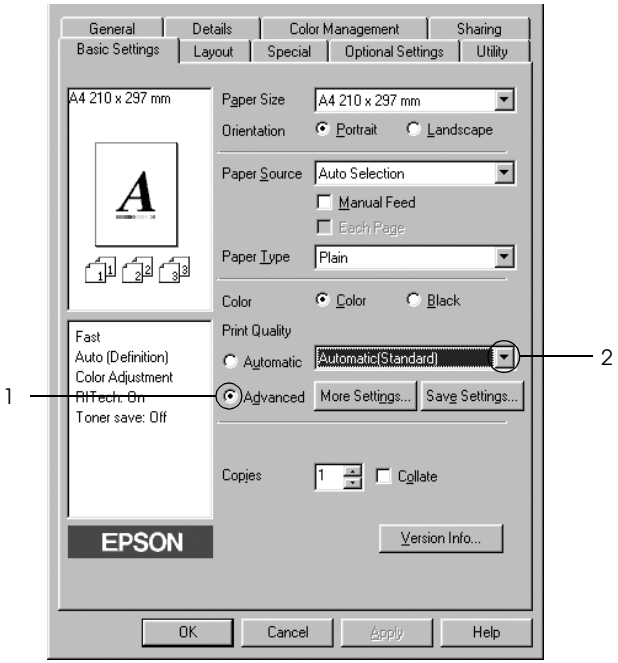
Using the predefined settings

The predefined settings are provided to help you optimize print settings for a particular kind of printout, such as presentation documents or images taken by a video or digital camera.

Follow the steps below to use the predefined settings.

1. Click the Basic Settings tab.

2. Select Advanced. You will find the predefined settings in the list on the right of Automatic.



Note:
This screen may vary depending on your operating system version.

3. Select the most appropriate setting from the list according to the type of document or image you want to print.

When you choose a predefined setting, other settings such as Printing Mode, Resolution, Screen, and Color Management are set automatically. Changes are shown in the current settings list on the left of the Basic Settings menu.

This printer driver provides the following predefined settings:

Automatic (Standard)

Suitable for regular printing, especially photos.

Text/Graph

Suitable for printing documents that include text and graphs, such as presentation documents.

Graphic/CAD

Suitable for printing graphics and charts.

Photo

Suitable for printing photos.

PhotoEnhance4

Suitable for printing video captures, images taken with a digital camera, or scanned images. EPSON PhotoEnhance4 automatically adjusts the contrast, saturation, and brightness of the original image data to produce sharper, more vivid color printouts. This setting does not affect your original image data.

ICM (Except for Windows NT 4.0)

ICM stands for Image Color Matching. This feature automatically adjusts printout colors to match colors on your screen.

sRGB

When using equipment which supports sRGB, the printer performs Image Color Matching with these pieces of equipment before printing. To confirm that your equipment supports sRGB, contact your equipment dealer.

Automatic (High Quality)

Suitable for printing high-quality documents.

Advanced Text/Graph

Suitable for printing high-quality presentation documents that include text and graphs.

Advanced Graphic/CAD

Suitable for printing high-quality graphs, charts, and photos.

Advanced Photo

Suitable for printing high-quality scanned photos and digitally-captured images.

Customizing print settings

If you need to change detailed settings, make the settings manually.

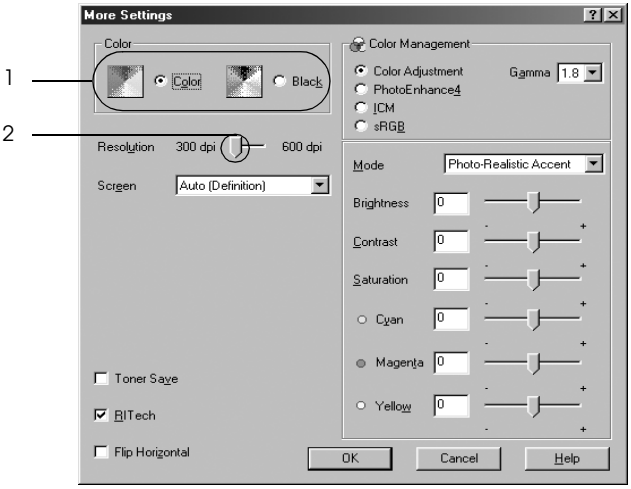
Follow the steps below to customize your print settings.

1. Click the Basic Settings tab.

2. Click Advanced, then click More Settings.

3. Choose Color or Black as the Color setting, then choose desired printing resolution from 300 dpi or 600 dpi with the Resolution slider bar.

   Note:
   When making the other settings, see online help for details on each setting.



   Note:
   This screen may vary depending on your operating system.

4. Click OK to apply the settings and return to the Basic Settings menu.

Saving your settings

To save your custom settings, click Advanced, then click Save Settings on the Basic Settings menu. The Custom Settings dialog box appears.

Type a name for your custom settings in the Name box, then click Save. Your settings will appear in the list to the right of Automatic in the Basic Settings menu.

Note:

- ❏ *You cannot use a predefined setting name for your custom settings.*
- ❏ *To delete a custom setting, click* Advanced, *click* Save Settings *in the Basic Settings menu, select the setting in the Custom Settings dialog box, then click* Delete.
- ❏ *You cannot delete predefined settings.*

If you change any setting in the More Settings dialog box when one of your custom settings is selected in the Advanced Settings list on the Basic Settings menu, the setting selected in the list changes to Custom Settings. The custom setting that was previously selected is not affected by this change. To return to your custom setting, simply reselect it from the current settings list.

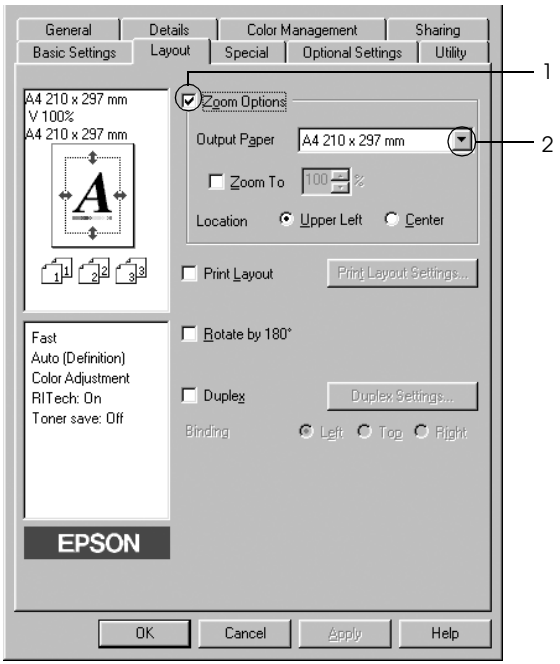
Resizing printouts

You can have your document enlarged or reduced during printing.

To automatically resize pages to fit the output paper

1. Click the Layout tab.

2. Select the Zoom Options check box, then select the desired paper size from the Output Paper drop-down list. The page will be printed to fit on the paper you have selected.



3. Select Upper Left (to print the reduced page image in the upper left corner of the paper) or Center (to print the reduced page image in the center of the paper) for Location setting.

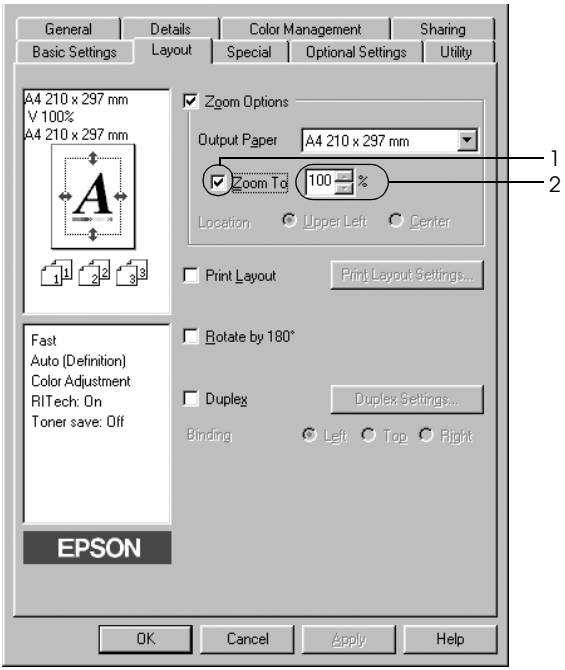
4. Click OK to apply the settings.

Resizing pages by a specified percentage

1. Click the Layout tab.

2. Select the Zoom Options check box.

3. Select the Zoom To check box, then specify the magnification percentage in the box.



Note:
The percentage can be set between 50% and 200% in 1% increments.

4. Click OK to apply the settings.

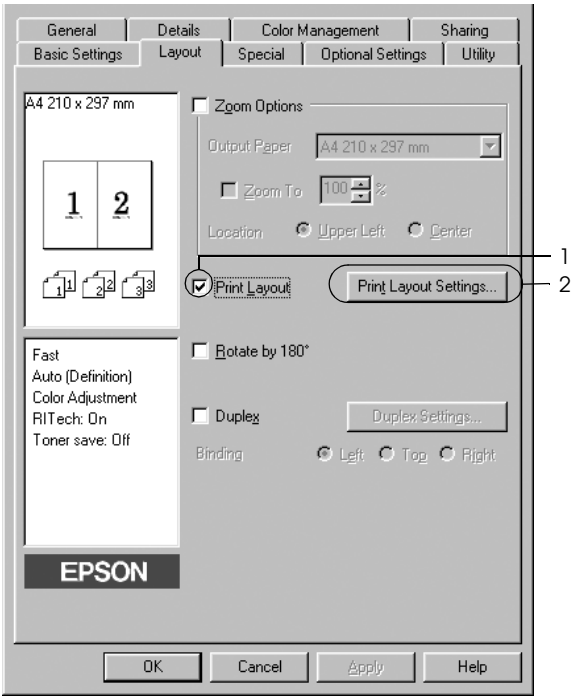
If necessary, select the paper size to be printed from the Output Paper drop-down list.

Modifying the print layout

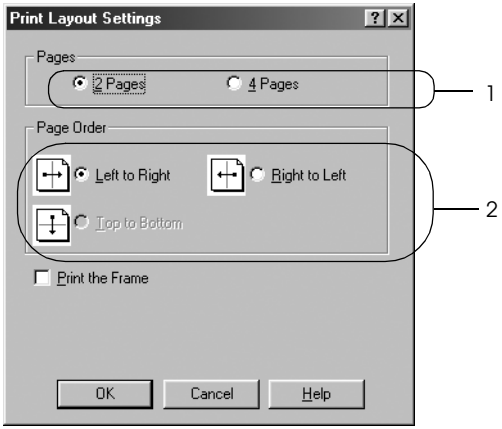
Your printer can print either two or four pages onto a single page and specifies the printing order, automatically resizing each page to fit the specified paper size. You can also choose to print documents surrounded by a frame.

1. Click the Layout tab.

2. Select the Print Layout check box, then click Print Layout Settings. The Print Layout Settings dialog box appears.



3. Select the number of pages you want to print on one sheet of paper. Then Select the Page Order in which the pages are printed on each sheet.



4. Select the Print the Frame check box when you want to print the pages surrounded by a frame.

   Note:
   The Page Order choices depend on the number of pages selected above, and the paper orientation (Portrait or Landscape) selected on the Basic Settings menu.

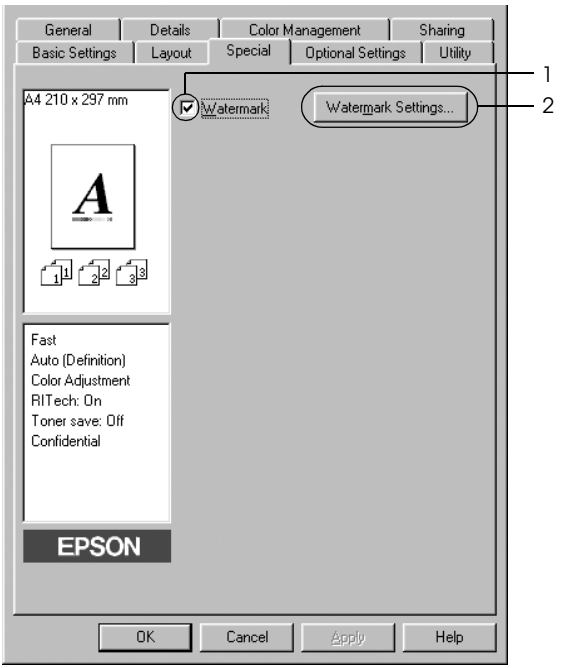
5. Click OK to apply the settings and return to the Layout menu.

Using a watermark

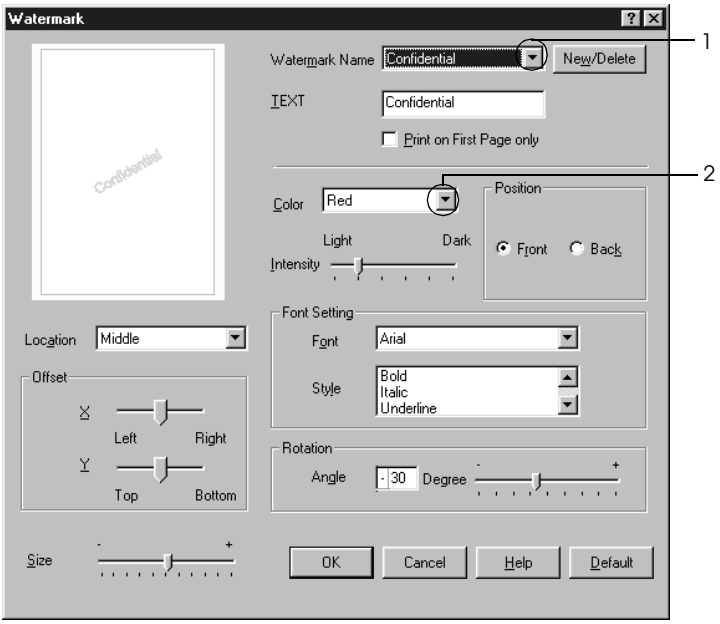
Follow the steps below to print a watermark on your document. In the Watermark dialog box, you can select from a list of predefined watermarks, or you can make an original watermark with text or a bitmap. The Watermark dialog box also allows you to make a variety of detailed watermark settings. For example, you can select the size, intensity, and position of your watermark.

1. Click the Special tab.

2. Select the Watermark check box, then click Watermark Settings. The Watermark dialog box appears.



3. Select a watermark from the Watermark Name drop-down list, then select the color from the Color drop-down list.



4. Adjust the image intensity of the watermark with the Intensity slider bar.

5. Select Front (to print the watermark in the foreground of the document) or Back (to print the watermark in the background of the document) for the Position setting.

6. Select the location on the page where you want to print the watermark from the Location drop-down list.

7. Adjust the horizontal or vertical Offset position.

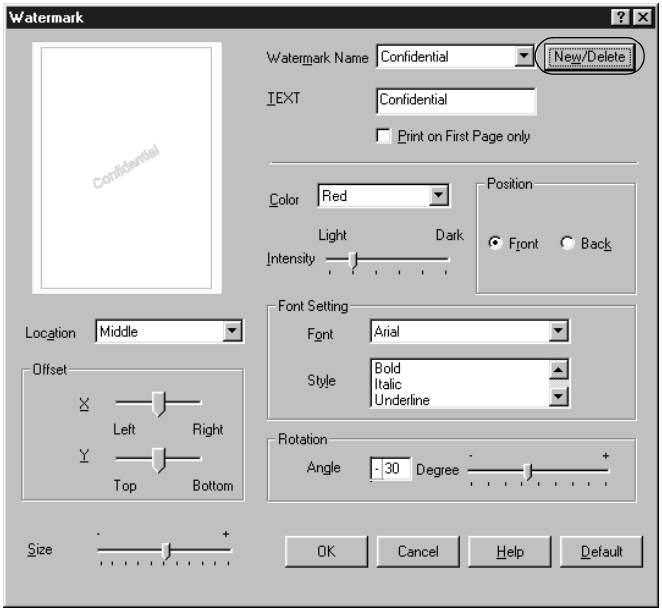
8. Adjust the size of the watermark with the Size slider bar.

9. Click OK to apply the settings and return to the Special menu.

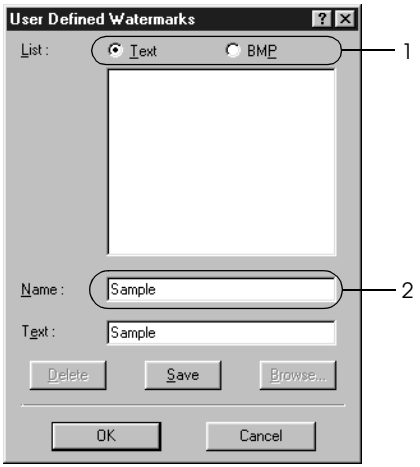
Making a new watermark

You can make a new watermark as follows.

1. Click the Special tab.
2. Select the Watermark check box.
3. Click Watermark Settings. The Watermark dialog box appears.
4. Click New/Delete. The User Defined Watermarks dialog box appears.



5. Select Text or BMP and type a name for the new watermark in the Name box.



Note:
This screen appears when you select Text.

6. If you select Text, type the watermark text in the Text box. If you select BMP, click Browse, select the BMP file you want to use, then click OK.

7. Click Save. Your watermark will appear in the List box.

8. Click OK to apply the new watermark settings.

Note:
You can register up to 10 watermarks.

Duplex printing

Duplex printing prints on both sides of the paper. You can do duplex printing automatically by installing the optional Duplex Unit. You can also do duplex printing manually without using the Duplex Unit. When printing for binding, the binding edge can be specified as required to produce the desired page order.

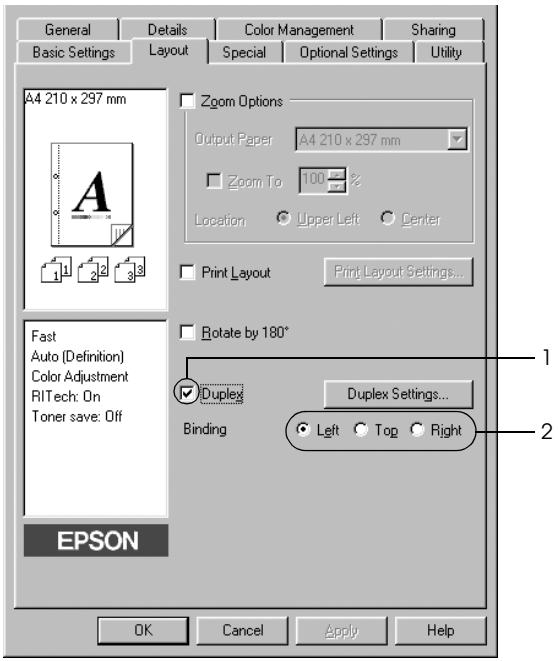
As an ENERGY STAR® partner, Epson recommends the use of the double-sided printing function. Refer to ENERGY STAR® Compliance for more information on the ENERGY STAR® program.

Printing with the Duplex Unit

Follow the steps below to print with the Duplex Unit.

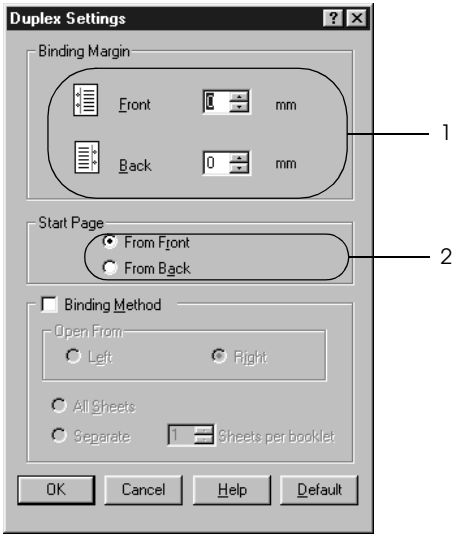
1. Click the Layout tab.

2. Select the Duplex check box, then select Left, Top, or Right as the Binding position.



3. Click Duplex Settings to open the Duplex Settings dialog box.

4. Specify the Binding Margin for the front and back sides of the paper, then select whether the front or back side of the paper is to be printed as the Start Page.



5. When printing for binding as a booklet, select the Binding Method check box and make appropriate settings. For details about each setting, see online help.

6. Click OK to apply the settings and return to the Layout menu.

Doing duplex printing manually

You can do duplex printing manually without the optional Duplex Unit.

1. Click the Basic Settings tab.

2. Make sure that the Manual Feed check box is off.

   Note:
   The manual feed function is not available when using the manual duplex function.

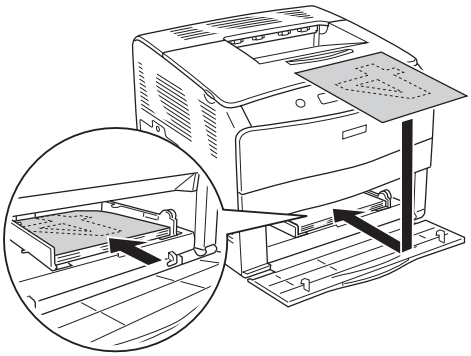
3. Click the Layout tab.

4. Select the Duplex (Manual) check box.

5. Click OK.

6. Execute the print job.

7. After printing on one side, reload the paper into the MP tray with the printed surface face down as shown below. Then, press the ○ Start/Stop button.



Note:

- ❏ *Manual duplex printing may not be completed normally when printing a document for which the paper size, orientation, or paper source setting is set to change in the document.*

- ❏ *When doing duplex printing manually with collate set on the printer driver, the printing may not be completed normally depending on the application you use.*

- ❏ *When loading the paper, straighten it well. If curled paper is loaded, it may not be fed correctly.*

Making Extended Settings

You can make various settings in the Extended Settings dialog box. To open the dialog box, click Extended Settings on the Optional Settings menu.

Offset:	Makes fine adjustments to the printing position on the front and the back of data on a page in 1 mm increments.
Uses the settings specified on the printer button:	Select this button to use the settings specified on the control panel.
Uses the settings specified on the driver button:	Select this button to use the settings specified in the printer driver.
Ignore the selected paper size check box:	When you select this check box, the printer prints on the loaded paper, regardless of size.
Auto Continue check box:	Select this check box to clear errors automatically and continue printing after a given time (about 5 seconds) when Paper Set, Print Overrun, or Mem Overflow occurs.
Data Compression Level:	Select the compression level for image data from the drop-down list. For example, selecting Low (Higher Quality) provides better print quality, but slows the printing speed.

Automatically change to monochrome mode check box:	Select this check box to have the printer driver analyze the printing data, and automatically switch to monochrome mode if the printing data is black and white.
Skip Blank Page check box:	When you select this check box, the printer skips blank pages.
High Speed Graphics Output check box:	Select this check box to optimize the printing speed of graphics composed of line drawings such as overlaid circles and squares. Clear this check box if graphics do not print correctly.
Uses the collate settings specified in the application check box:	Select this check box to enable the collate settings that are specified on the application.
Uses the spooling method provided by the operating system check box:	Select this check box to enable the Spool function for Windows XP, 2000, NT 4.0, or Server 2003.
Avoid Page Error check box:	Select this check box to avoid Print Overrun errors when printing data which requires a lot of memory to print, such as documents with a large number of complex fonts or graphics. Doing so may slow down printing somewhat.
Default button:	Click this button to return the driver settings to the initial settings.

Help button:	Click this button to open online help.
Cancel button:	Click this button to exit the dialog box or printer driver without saving the settings.
OK button:	Click this button to save the settings and to exit the dialog box or printer driver.

Making Optional Settings

You can update the installed option information manually if you have installed options to your printer.

1. Click the Optional Settings tab, then select the Update the Printer Option Info Manually button.

2. Click Settings. The Optional Settings dialog box appears.

3. Make settings for each installed option, then click OK.

Monitoring Your Printer Using EPSON Status Monitor 3

EPSON Status Monitor 3 is a utility program that monitors your printer and gives you information about its current status.

Note for Windows XP users:

- ❏ *Shared Windows XP LPR connections and shared Windows XP Standard TCP/IP connections with Windows clients do not support the Job Management function.*

- ❏ *EPSON Status Monitor 3 is not available when printing from a Remote Desktop connection.*

Note for Windows 95 users:
Network printers can not be monitored with EPSON Status Monitor 3.

Installing EPSON Status Monitor 3

Follow the steps below to install EPSON Status Monitor 3.

1. Make sure that the printer is off and that Windows is running on your computer.

2. Insert the printer software CD-ROM in the CD-ROM drive.

   Note:
   - ❏ *If the language selection window appears, select your country.*

   - ❏ *If the EPSON Installation Program screen does not appear automatically, double-click the* My Computer *icon, right-click the* CD-ROM *icon, click* OPEN *in the menu that appears, then double-click* Epsetup.exe.

3. Click Continue. When the software license agreement screen appears, read the statement, then click Agree.

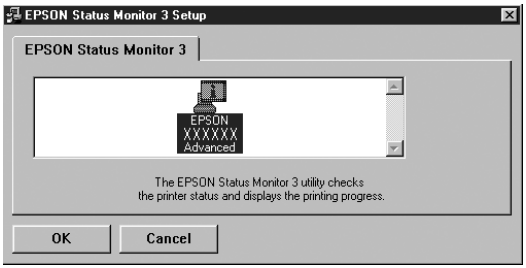
4. In the dialog box that appears, click Local.

Note:
See the Network Guide for information on installing EPSON Status Monitor 3 on a network.

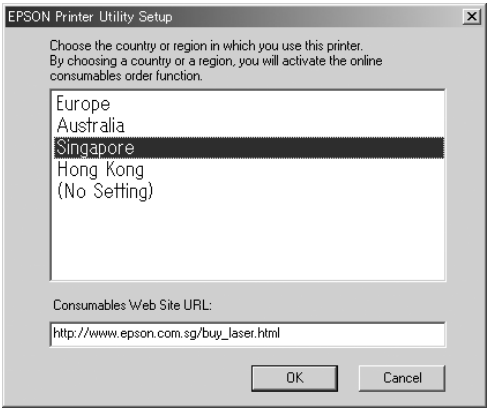
5. Click Custom.

6. Select the EPSON Status Monitor 3 check box, then click Install.

7. In the dialog box that appears, make sure that your printer icon is selected, and click OK. Then follow the on-screen instructions.



8. In the dialog box that appears, select your country or region, and the URL for Epson's Web site in that country or region appears. Then click OK.



Note:

- ❏ *In this dialog box, you can set the URL for the site where you can order consumables online. See "Order Online" on page 69 for details.*

- ❏ *Selecting your country or region allows you to change the settings of the URL.*

- ❏ *The URL for the site is not displayed when selecting* (No Setting). *Also, you cannot use the* Order Online *button on the EPSON Status Monitor 3 dialog box.*

- ❏ *When you click the* Cancel *button, the Web site's URL does not appear, but the EPSON Status Monitor 3 installation continues.*

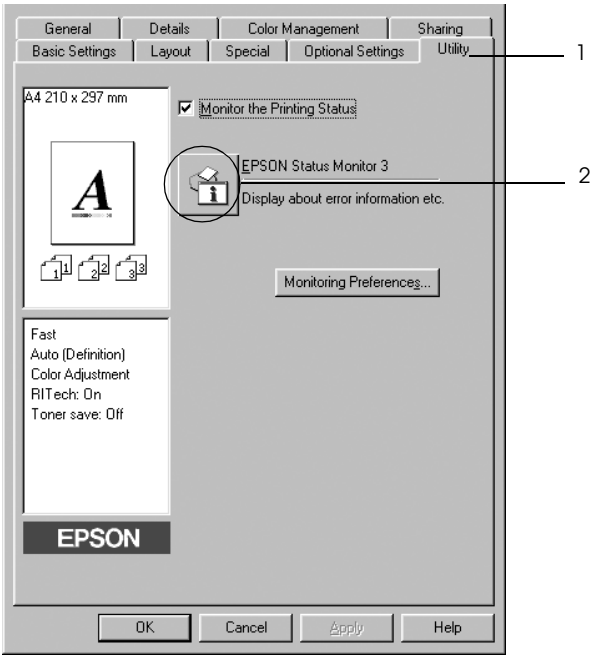
9. When the installation is complete, click OK.

Accessing EPSON Status Monitor 3

Follow the steps below to access EPSON Status Monitor 3.

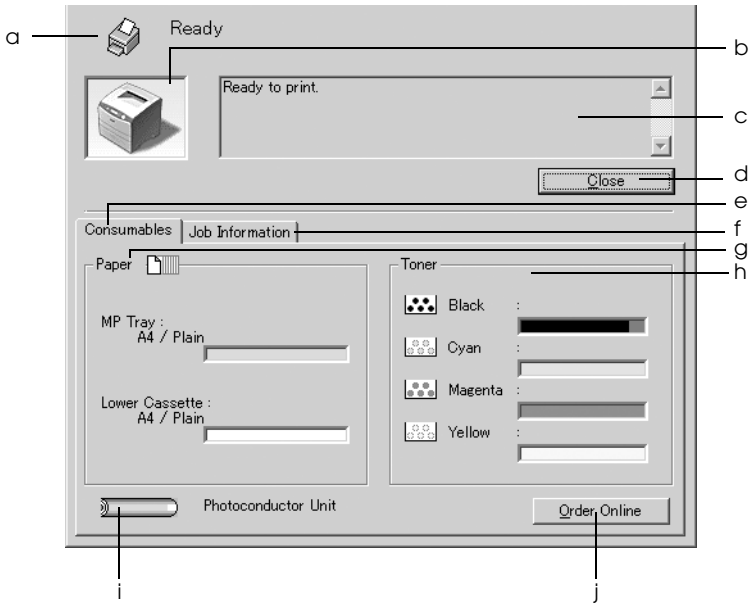
1. Access the printer driver, then click the Utility tab.

2. Click EPSON Status Monitor 3.



Getting printer status details

You can monitor printer status and obtain information on consumable products using the EPSON Status Monitor 3 dialog box.



Note:
This screen may vary depending on your operating system version.

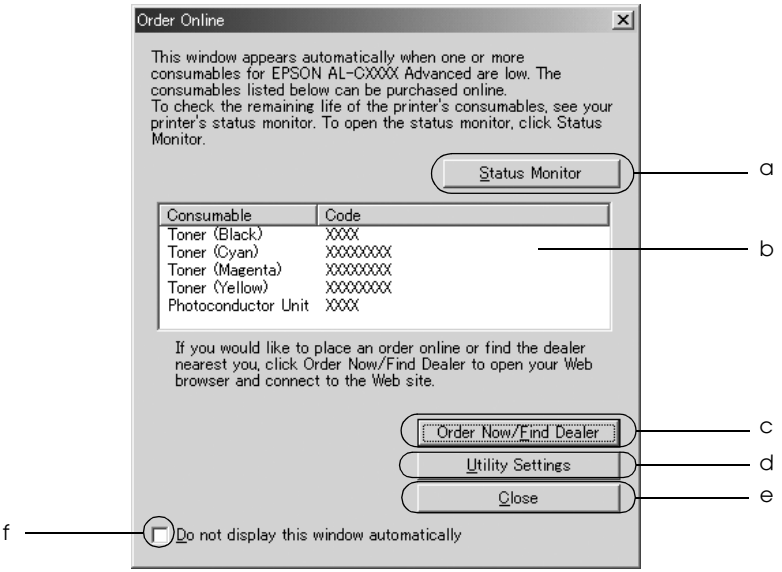
a. Icon/Message: The icon and message show the printer status.

b. Printer image: The image at the upper left shows the printer status graphically.

c.	Text box:	The text box next to the printer image displays the current status of the printer. When a problem occurs, the most probable solution is displayed.
d.	Close button:	Clicking this button closes the dialog box.
e.	Consumables:	Displays information for the paper trays and consumables.
f.	Job Information:	Displays information for the print jobs. The Job Information menu is displayed when the Show job information check box on the Monitoring Preferences dialog box is on. See "Using the Job Information menu" on page 75 for details.
g.	Paper:	Displays the paper size, the paper type and the approximate amount of paper remaining in the paper source. Information for the optional cassette is displayed only if this option is installed.
h.	Toner:	Indicates the amount of remaining toner. The toner icon flashes if the toner is low.
i.	Photoconductor Unit:	Indicates the remaining functional life of the photoconductor unit. The green level meter indicates the remaining life of the photoconductor unit that is set. The level meter color turns to red when the life is low.
j.	Order Online button:	Clicking this button displays the Order Online dialog box.

Order Online

To order consumables online, click the Order Online button on the EPSON Status Monitor 3 dialog box. The Order Online dialog box appears.



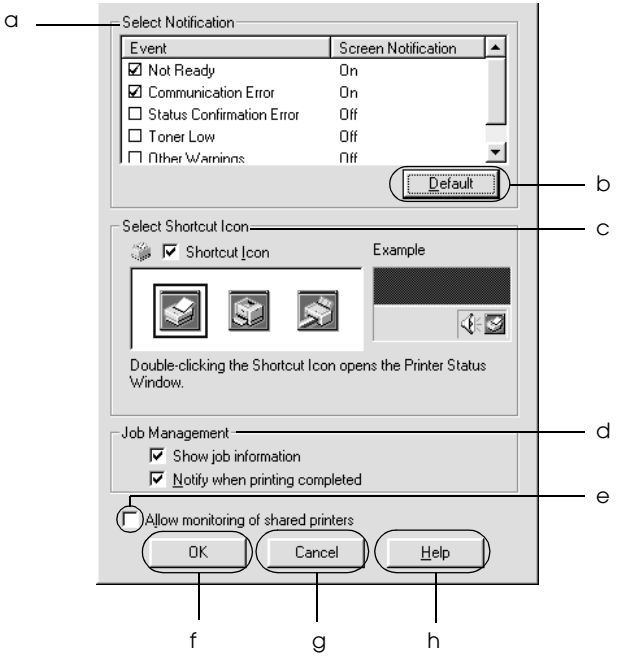
a. Status Monitor button: Opens the EPSON Status Monitor 3 dialog box.

b. Text box: Displays the consumables and codes.

c.	Order Now/Find Dealer button:	Connects to the URL where you can place an order and find the dealer nearest you. When you click this button, a confirmation window asking if you wish to connect to the Web site appears. If you do not want this window to appear, select the Do not display the confirming window check box in the confirmation window.
d.	Utility Settings button:	Opens the Utility Settings dialog box and allows you to change the settings of the registered URL. If you do not want the confirmation window to appear when you press the Order Now/Find Dealer button, select the Do not display the confirming window check box in the Utility Setting dialog box.
e.	Close button:	Closes the dialog box.
f.	Do not display this window automatically check box:	When this check box is selected, the Order Online dialog box does not appear automatically.

Setting Monitoring Preferences

To make specific monitoring settings, click Monitoring Preferences in the Utility tab of the printer driver. The Monitoring Preferences dialog box appears.



The following settings and buttons appear in the dialog box:

a. Select Notification: Use the check boxes in this area to select the types of error that you wish to be notified about.

b. Default button: Restores default settings.

c. Select Shortcut Icon: To use the shortcut icon, select the Shortcut Icon check box, then choose an icon. The icon you select appears on the right side of the task bar.
Once the shortcut icon is in the task bar, you can double-click it to open the EPSON Status Monitor 3 dialog box. Alternatively, you can right-click the shortcut icon, then select Monitoring Preferences from the menu to open the Monitoring Preferences dialog box, and your printer from the menu to open the EPSON Status Monitor 3 dialog box.

d. Job Management: Select the Show job information check box to display the Job Information menu in the EPSON Status Monitor 3 window. When this check box is selected, the Job management icon appears on the the task bar during printing.

To display the notification message when your print job is finished, select the Notify when printing completed check box.

Note:
This menu is enabled only under the conditions given in "Connections Supporting the Job Management function" on page 74.

e. Allow monitoring of shared printers check box: When this check box is selected, a shared printer can be monitored by other PCs.

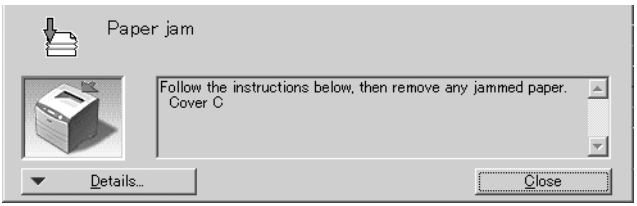
f. OK button: Saves new changes.

g. Cancel button: Cancels any changes.

h. Help button: Opens online help for the Monitoring Preferences dialog box.

Status Alert window

The Status Alert window indicates what type of error has occurred and offers you a possible solution. The window closes automatically once the problem is cleared.



This window will appear according to the selected notification in the Monitoring Preferences dialog box.

If you wish to see information about printer consumables, click Details. Once this button is clicked, the Status Alert window will not disappear even after a problem is cleared. Click Close to close the window.

Job Management function

Using the Job Management function, you can obtain information on print jobs on the Job Information menu in the EPSON Status Monitor 3 dialog box. You can also choose to have a notice appear on the screen when printing is completed.

Connections Supporting the Job Management function

The Job Management function is available when the following connections are used:

Server and client environments:

- ❏ When using the shared Windows 2000, Server 2003, or NT 4.0 LPR connection with Windows XP, Me, 98, 95, 2000, or NT 4.0 clients.
- ❏ When using the shared Windows 2000 or Server 2003 Standard TCP/IP connection with Windows XP, Me, 98, 95, 2000, or NT 4.0 clients.
- ❏ When using the shared Windows 2000, Server 2003, or NT 4.0 EpsonNet Print TCP/IP connection with Windows XP, Me, 98, 95, 2000, or NT 4.0 clients.

Client only environments:

- ❏ When using the LPR connection (in Windows XP, 2000, Server 2003, or NT 4.0).
- ❏ When using the Standard TCP/IP connection (in Windows XP, 2000, or Server 2003).
- ❏ When using the EpsonNet Print TCP/IP connection (in Windows XP, Me, 98, 95, 2000, Server 2003, or NT 4.0).

Note:
You cannot use this function in the following situations:

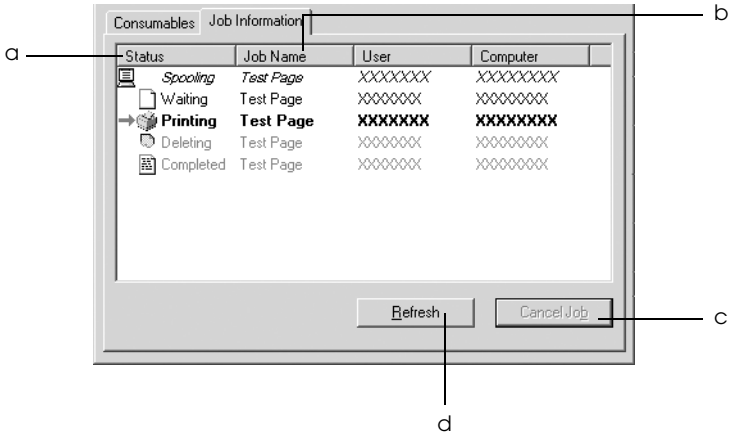
- ❏ *When using an optional Ethernet interface card that does not support the Job Management function.*
- ❏ *Note that if the user account used to log on to a client is different from the user account used to connect to the server, the Job Management function is not available.*
- ❏ *When using a computer running Windows XP as a print server.*

Note on deleting print jobs:
You cannot delete the print job spooling on client computers running Windows Me, 98, or 95 using EPSON Status Monitor 3 when the following connections are used:

- ❏ *When using the shared Windows 2000, Server 2003, or NT 4.0 LPR connection.*
- ❏ *When using the shared Windows 2000 or Server 2003 standard TCP/IP connection.*
- ❏ *When using the shared Windows 2000, Server 2003, or NT 4.0 EpsonNet Print TCP/IP connection.*

Using the Job Information menu

To display the Job Information menu, select the Show job information check box on the Monitoring Preferences dialog box (See "Setting Monitoring Preferences" on page 71 for details.), then click the Job Information tab on the EPSON Status Monitor 3 dialog box.



a. Status:

Waiting:	The print job which is waiting to be printed.
Spooling:	The print job which is being spooled on your computer.
Deleting:	The print job which is canceled during spooling on your computer by pressing the Cancel Job button, or being deleted.
Printing:	The print job which is printing currently.
Completed:	Displays only your jobs that have finished printing.
Canceled:	Displays only print jobs that have been canceled.

b. Job Name: Displays the user's print job file names. Other user's print jobs are displayed as --------.

c. Cancel Job button: Selecting a print job and clicking this button, cancels the selected print job.

d. Refresh button: Clicking this button refreshes the information on this menu.

Setting to notify when printing is completed

When the Notify when printing completed check box is selected, the Notify when printing completed function can be used.

When this function is enabled, the notify dialog box appears after your print job is completed.

Note:
When you cancel a target job, the Notify when printing completed dialog box does not appear.

Stopping monitoring

You can stop monitoring the printing status by clearing the Monitor the Printing Status check box in the printer driver's Utility menu if you don't need to monitor the printer at all.

Note:

- ❏ *The* Monitor the Printing Status *check box is displayed in the Utility menu of Document Defaults in Windows NT 4.0, or in the Utility menu of Printing Preference in Windows XP, 2000, or Server 2003.*

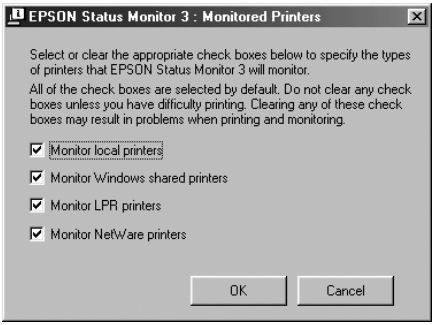
- ❏ *You can find out the current printer status by clicking the* EPSON Status Monitor 3 *icon in the printer driver's Utility menu.*

Monitored Printers settings

You can use the Monitored Printers utility to change the types of printers that EPSON Status Monitor 3 will monitor. When you install EPSON Status Monitor 3, this utility is also installed. Usually, it is not necessary to change the setup.

1. Click Start, point to Programs, point to EPSON Printers, then click Monitored printers.

2. Clear the check boxes of the type of printers you do not want to monitor.



3. Click OK to apply the settings.

Setting Up the USB Connection

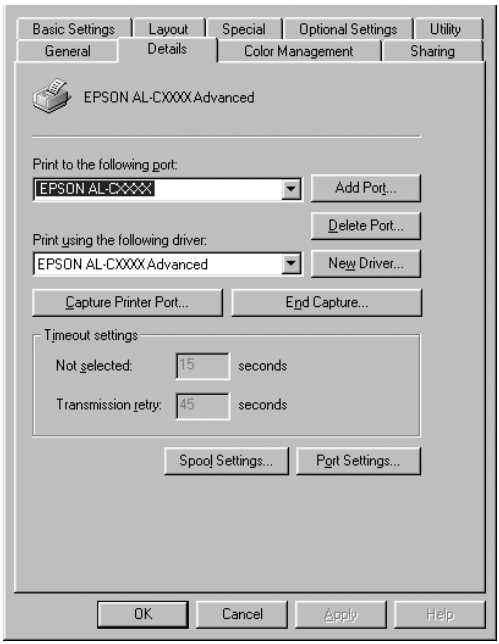
The USB interface that comes with your printer complies with Microsoft Plug and Play (PnP) USB specifications.

Note:
Only PC systems equipped with a USB connector and running Windows XP, 2000, Me, 98, and Server 2003 support the USB interface.

1. Access the printer driver.

2. For Windows Me or 98, click the Details tab.
   For Windows XP, 2000, or Server 2003, click the Ports tab.

3. For Windows Me or 98, select the EPUSB1: (your printer) USB port from the Print to the following port drop-down list. For Windows XP, 2000, or Server 2003, select the USB001 USB port in the list on the Ports menu.



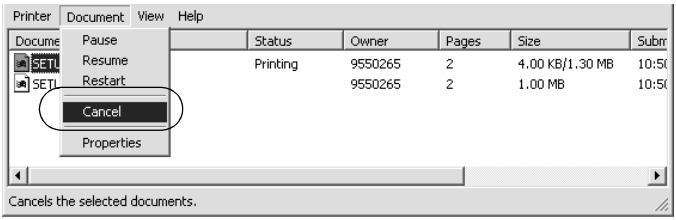
Note:
This screen may vary depending on your operating system.

4. Click OK to save this settings.

Canceling Printing

If the printouts are not what you expected and display incorrect or garbled characters or images, you may need to cancel printing. When the printer icon is displayed on the taskbar, follow the instructions below to cancel the printing.

Double-click your printer icon on the task bar. Select the task in the list, then click Cancel from the Document menu.



After the last page is output, the Ready (green) light on the printer turns on.

The current job is canceled.

Note:
You can also cancel the current print job that is sent from your computer, by pressing the 🗑 Cancel Job button on the printer's control panel. When canceling the print job, be careful not to cancel print jobs sent by other users.

Uninstalling the Printer Software

When you wish to reinstall or upgrade the printer driver, be sure to uninstall the current printer software beforehand.

Note:
When uninstalling EPSON Status Monitor 3 from a multi-user Windows XP, 2000, NT 4.0, and Server 2003 environment, remove the shortcut icon from all clients before uninstalling. You can remove the icon by clearing the Shortcut Icon check box in the Monitoring Preference dialog box.

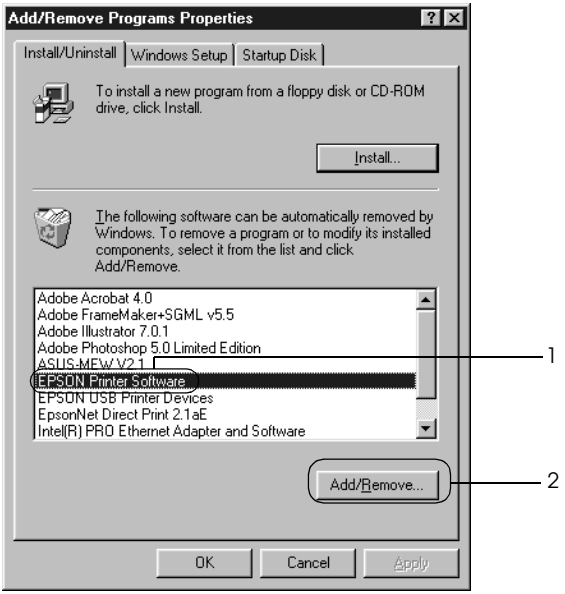
Uninstalling the printer driver

1. Quit all applications.

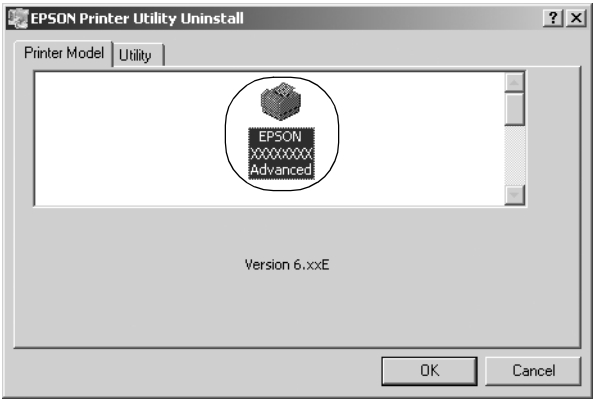
2. Click Start, point to Settings, then click Control Panel.
   For Windows XP or Server 2003, click Start, then click Control Panel.

3. Double-click the Add/Remove Programs icon.
   For Windows XP or Server 2003, click Add or Remove Programs.

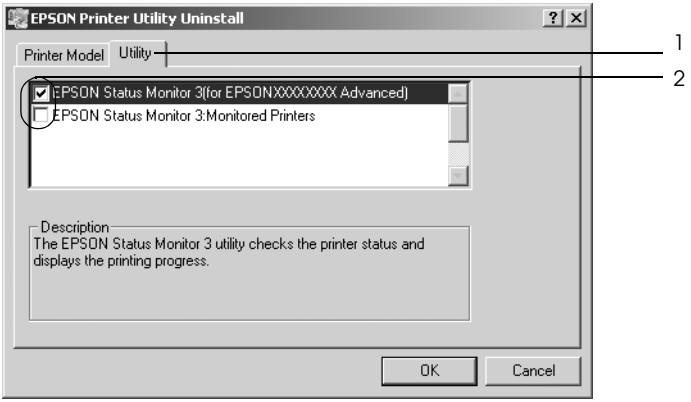
4. Select EPSON Printer Software, then click Add/Remove. For Windows XP or Server 2003, select EPSON Printer Software, then click Change/Remove.



5. Click the Printer Model tab, select your printer icon.

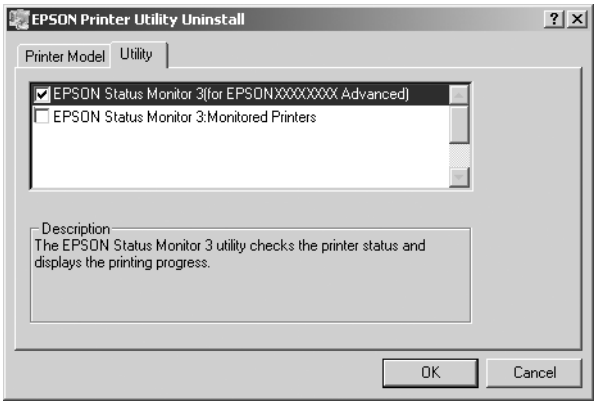


6. Click the Utility tab, and confirm that the check box for the printer software you want to uninstall is selected.



Note:
If you uninstall only EPSON Status Monitor 3, select the EPSON Status Monitor 3 *check box.*

7. To uninstall, click OK.



Note:
You can uninstall only the Monitored Printers utility of EPSON Status Monitor 3. When the utility is uninstalled, you cannot change the settings of Monitored Printers from EPSON Status Monitor 3 of other printers.

8. Follow the on-screen instructions.

Uninstall the USB device driver

When you connect the printer to your computer with a USB interface cable, the USB device driver is also installed. When you uninstall the printer driver, you also need to uninstall the USB device driver.

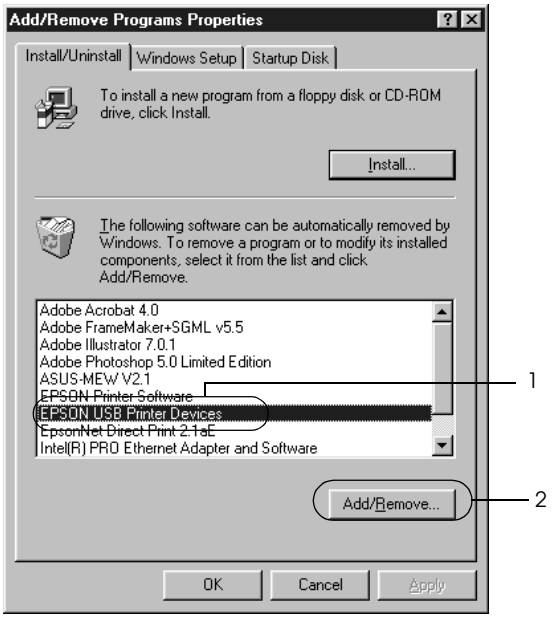
Follow the steps below to uninstall the USB device driver.

Note:
- ❏ *Uninstall the printer driver before uninstalling the USB device driver.*

- ❏ *Once you uninstall the USB device driver, you cannot access any other EPSON printers connected with a USB interface cable.*

1. Follow steps 1 through 3 of "Uninstalling the printer driver" on page 81.

2. Select EPSON USB Printer Devices, and click Add/Remove.



Note:

- ❏ EPSON USB Printer Devices *appears only when the printer is connected to Windows Me or 98 with a USB interface cable.*

- ❏ *If the USB device driver is not installed correctly,* EPSON USB Printer Devices *may not appear. Follow the steps below to run the "Epusbun.exe" file in the CD-ROM that comes with your printer.*

  1. Insert the CD-ROM in your computer's CD-ROM drive.
  2. Access the CD-ROM drive.
  3. Double-click the Win9x *folder.*
  4. Double-click the Epusbun.exe *icon.*

3. Follow the on-screen instructions.

Chapter 4

Using the Printer Software with Macintosh

About the Printer Software

The printer software contains a printer driver and EPSON Status Monitor 3. The printer driver lets you choose from a wide variety of settings to get the best results from your printer.
Use the following procedures to access the EPSON Status Monitor 3.

For Mac OS X users, open the Print dialog box and select Printer Settings from the drop-down list. Then click your printer's icon in the Utility menu.

For Mac OS 9 users, select the EPSON Status Monitor 3 alias from the Apple menu, then click your printer's icon.

EPSON Status Monitor 3 lets you check the status of your printer. See "Monitoring Your Printer using EPSON Status Monitor 3" on page 110 for more information.

Accessing the printer driver

To control your printer and change its settings, use the printer driver. The printer driver allows you to easily make all the print settings, including paper source, paper size, and orientation.

Mac OS X

To access the printer driver, register your printer in Printer Setup Utility (for Mac OS X 10.3) or Print Center (for Mac OS X 10.2 or below), click Print on the file menu of any application, then select your printer.

Mac OS 9

To access the printer driver, open the appropriate dialog box, select Chooser from the Apple menu, then click your printer icon.

Opening the dialog boxes from the application

- ❏ To open the Paper Setting dialog box, select Page Setup from the File menu on any application.

- ❏ To open the Basic Settings dialog box, select Print from the File menu on any application.

Note:
The printer driver's online help provides details on printer driver settings.

Making Changes to Printer Settings

Making the print quality settings

You can change the print quality of printouts through settings in the printer driver. With the printer driver, you can make the print settings by choosing from a list of predefined settings, or customizing the settings.

Choosing the print quality by using the Automatic setting

You can change the print quality of printouts to favor speed or detail. There are two levels of print output, 300 dpi and 600 dpi. 600 dpi provides high quality, precise printing, but requires more memory and slows the printing speed.

When Automatic is selected on the Basic Settings dialog box, the printer driver takes care of all detailed settings according to the color setting you select. Color and resolution are the only settings you need to make. You can change other settings such as paper size or orientation in most applications.

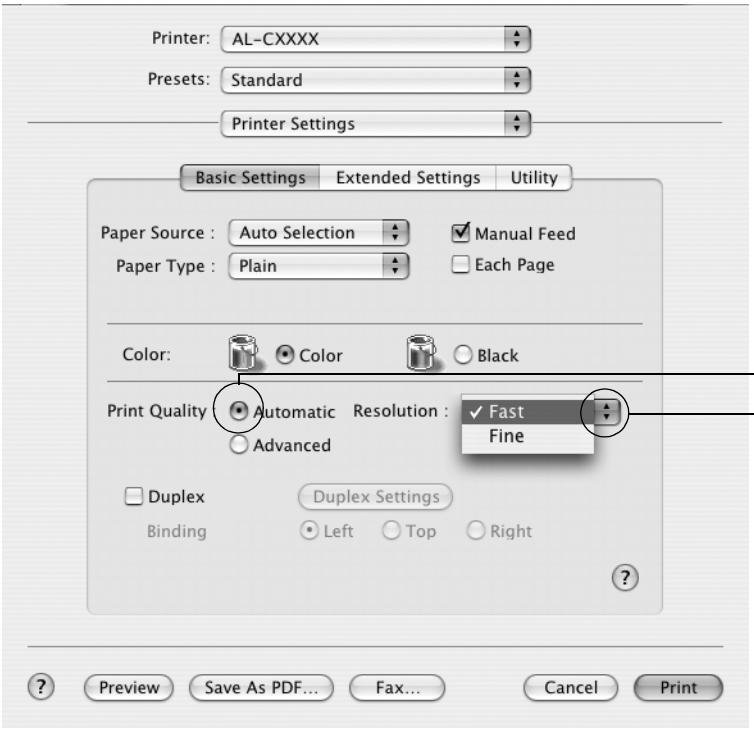
Note:
The printer driver's online help provides details on printer driver settings.

For Mac OS X users

1. Open the Print dialog box.

2. Select Printer Settings from the drop-down list, and select the Basic settings tab.

3. Click Automatic, then choose the resolution from the Resolution drop-down list.



For Mac OS 9 users

1. Open the Basic Settings dialog box.

2. Click Automatic on Print Quality, then choose desired printing resolution from Fast (300 dpi) or Fine (600 dpi) with the slider bar.

   Note:
   If printing is unsuccessful or a memory-related error message appears, selecting a lower resolution may allow printing to proceed.

Using the predefined settings

The predefined settings are provided to help you optimize print settings for a particular kind of printout, such as presentation documents or images taken by a video or digital camera.

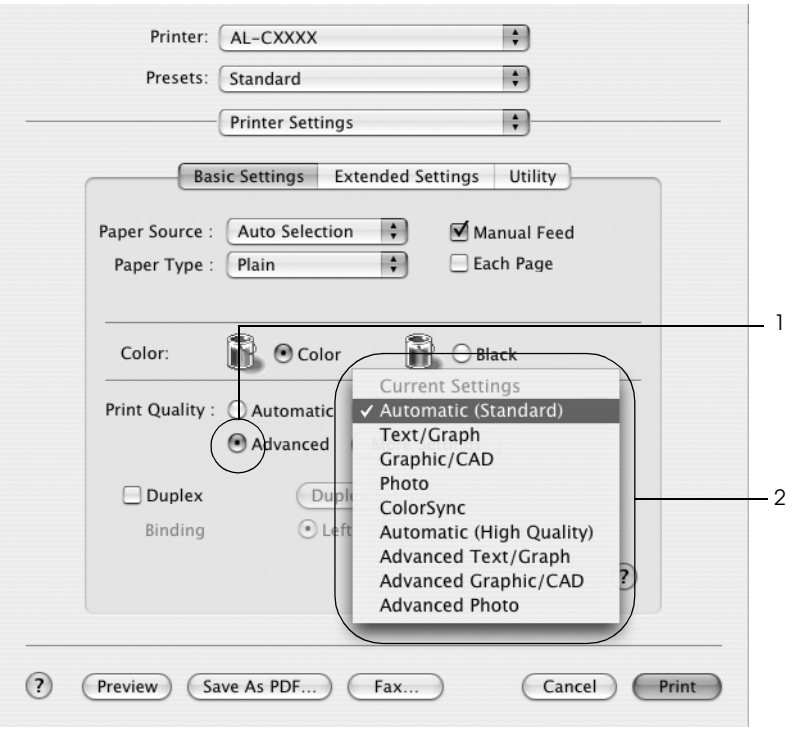
Follow the steps below to use the predefined settings.

For Mac OS X users

1. Open the Print dialog box.

2. Select Printer Settings from the drop-down list, and select the Basic settings tab.

3. Select Advanced. You will find the predefined settings in the list on the right of Automatic.



4. Select the most appropriate setting from the list according to the type of document or image you want to print.

For Mac OS 9 users

1. Open the Basic Settings dialog box.

2. Select Advanced. You will find the predefined settings in the list on the right of Automatic.

3. Select the most appropriate setting from the list according to the type of document or image you want to print.

When you choose a predefined setting, other settings such as Printing Mode, Resolution, Screen, and Color Management are set automatically. Changes are shown in the Summary drop-down list in the Print dialog box (Mac OS X), or in the current settings list on the left of the Basic Settings dialog box (Mac OS 9).

This printer driver provides the following predefined settings:

Automatic (Standard)

Suitable for regular printing, especially photos.

Text/Graph

Suitable for printing documents that include text and graphs, such as presentation documents.

Graphic/CAD

Suitable for printing graphs and charts.

Photo

Suitable for printing photos.

PhotoEnhance4

Suitable for printing images captured using the video input, a digital camera, or scanner. EPSON PhotoEnhance4 automatically adjusts the contrast, saturation, and brightness of the original image data to produce sharper, more vivid color printouts. This setting does not affect your original image data.

Note:
This function is not available with Mac OS X.

ColorSync

Automatically adjusts printout colors to match colors on your screen.

Automatic (High Quality)

Suitable for regular printing that gives priority to high-quality printing.

Advanced Text/Graph

Suitable for printing high-quality presentation documents that include text and graphs.

Advanced Graphic/CAD

Suitable for printing high-quality graphs, charts, and photos.

Advanced Photo

Suitable for printing high-quality scanned photos and digitally-captured images.

Customizing print settings

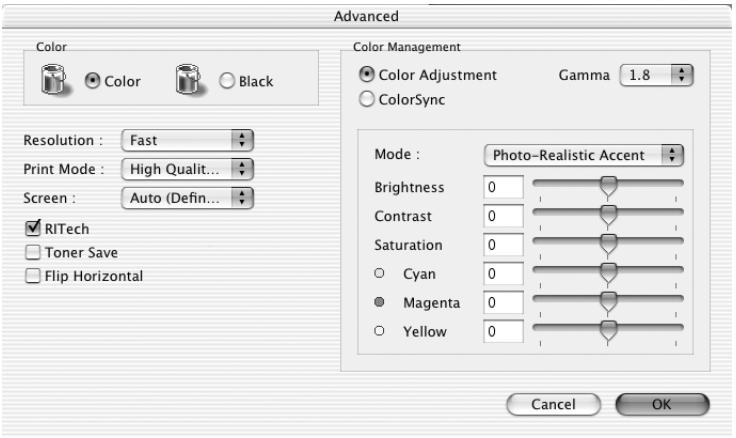
Your printer provides for customized print settings if you need more control over the printout, want to make the most detailed settings available, or just want to experiment.

Follow the steps below to customize your print settings.

For Mac OS X and 9 users

1. Open the Basic Settings dialog box.

2. Click Advanced, then click More Settings. The following dialog box appears.



3. Choose Color or Black as the Color setting.

4. Choose desired printing resolution from Fast (300 dpi) or Fine (600 dpi).

   Note:
   When making the other settings, click the ? button for details on each setting.

5. Click OK to apply the settings and return to the Basic Settings dialog box.

   Note:
   For details on each setting, see the online help.

Saving your settings

For Mac OS X users

Use the following procedures to save your custom settings.

For Mac OS 10.1.x users, save your custom settings in Save Custom Setting. Your settings will be saved as Custom in the Preset drop-down list. You can save only one set of custom settings.

For Mac OS X 10.2 or 10.3 users, save your custom settings by Save or Save As in the Preset on the Print dialog box. Type a name for your custom settings in the name box. Your settings will be saved with this name in the Preset drop-down list.

Note:
The Custom Setting *option is a standard feature of Mac OS X.*

For Mac OS 9 users

To save your custom settings, select Advanced, then click Save Settings on the Basic Settings dialog box. The Custom Settings dialog box appears.

Type a name for your custom settings in the Name box, click Save. Your settings will appear in the list on the right of Automatic in the Basic Settings dialog box.

Note:

- ❏ *You cannot use a predefined setting name for your custom settings.*
- ❏ *To delete a custom setting, select* Advanced, *click* Save Settings *on the Basic Settings dialog box, select the setting in the User Settings dialog box, then click* Delete.
- ❏ *You cannot delete predefined settings.*

If you change any setting in the Advanced Settings dialog box when one of your custom settings is selected in the Advanced Settings list on the Basic Settings dialog box, the setting selected in the list changes to User Settings. The custom setting that was previously selected is not affected by this change. To return to your custom setting, simply reselect it from the current settings list.

Resizing printouts

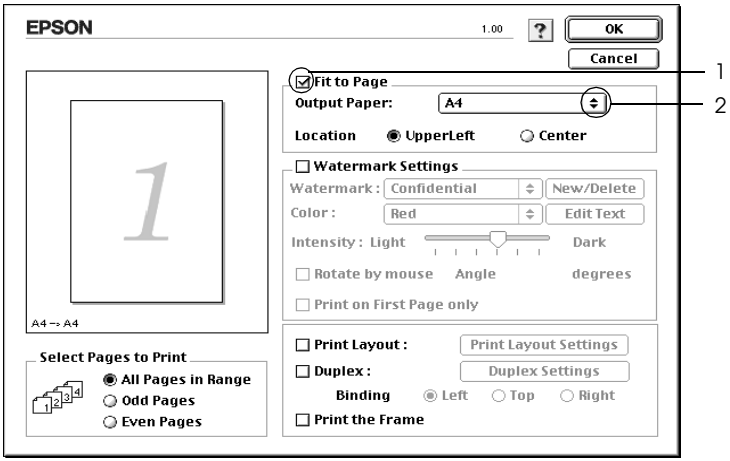
The Fit to Page function in the Layout dialog box allows you to have your documents enlarged or reduced during printing according to the specified paper size.

Note:

- ❏ *This function is not available with Mac OS X.*
- ❏ *The enlargement or reduction rate is automatically specified according to the paper size selected in the Paper Setting dialog box.*
- ❏ *The modification or reduction rate selected in the Paper Setting dialog box is not available.*

1. Click the Layout icon on the Basic Settings dialog box. The Layout dialog box appears.

2. Select the Fit to Page check box, then select the desired paper size from the Output Paper drop-down list. The page will be printed to fit on the paper you have selected.



3. Click OK to apply the settings.

Modifying the print layout

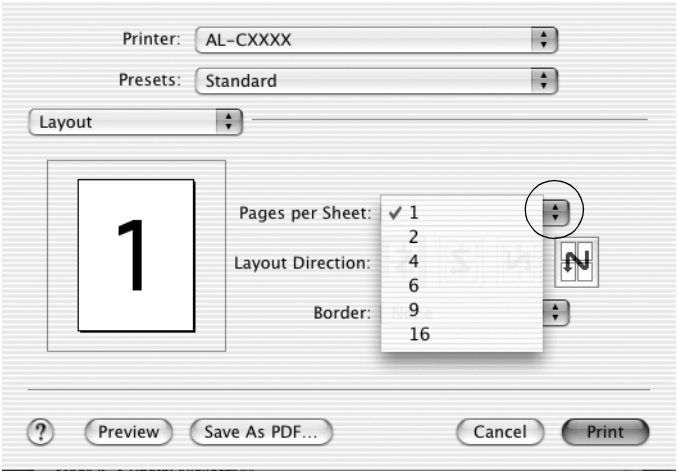
You can print either two or four pages onto a single page and to specify the printing order, automatically resizing each page to fit the specified paper size by using Layout printing. You can also choose to print documents surrounded by a frame.

For Mac OS X users

1. Open the Print dialog box.

2. Select Layout from the drop-down list.

3. Select the number of pages you want to print on one sheet of paper from the drop-down list.



4. Click Print to start printing.

   Note:
   The Layout *settings are a standard feature of Mac OS X.*

For Mac OS 9 users

1. Click the Layout icon on the Basic Settings dialog box. The Layout dialog box appears.

2. Select the Print Layout check box, then click Print Layout Settings. The Print Layout Setting dialog box appears.

3. Select the number of pages you want to print on one sheet of paper.

4. Select the page order in which the pages are printed on each sheet.

   Note:
   Page Order choices depend on Pages selected above, and Orientation.

5. Click OK to apply the settings and return to the Layout dialog box.

6. Select the Print the Frame check box on the Layout dialog box when you want to print the pages surrounded by a frame.

7. Click OK to apply the settings.

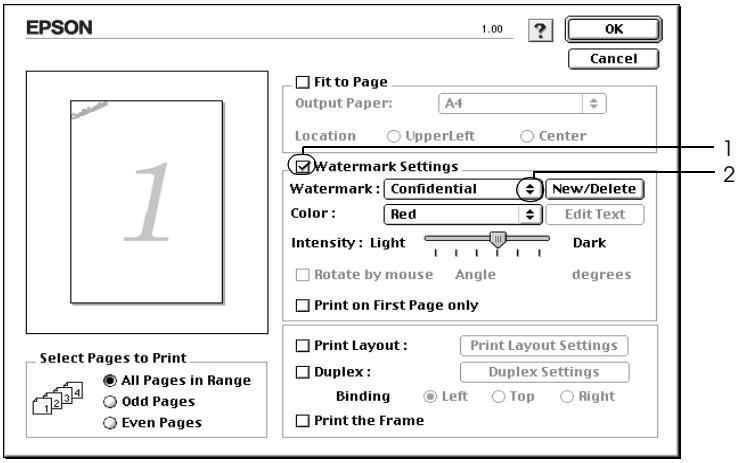
Using a watermark

Follow the steps below to print a watermark on your document. In the Layout dialog box, you can select from a list of predefined watermarks, or you can select a bitmap (PICT) file or text file as your own custom watermark. The Layout dialog box also allows you to make a variety of detailed watermark settings. For example, you can select the size, intensity, and position of your watermark.

Note:
This function is not available with Mac OS X.

1. Click the Layout icon on the Basic Settings dialog box. The Layout dialog box appears.

2. Select the Watermark Settings check box, then select a watermark from the Watermark drop-down list.



3. Select the location on the page where you want to print the watermark by dragging the watermark image on the preview window. Also, when you want to resize the watermark, drag its handle.

4. Adjust the image intensity of the watermark with the Intensity slider bar.

5. For your own custom text watermark, you can rotate it by inputting the degrees in the Angle box. Or select the Rotate by mouse check box, then rotate the text watermark with the pointer on the preview window.

6. Click OK to apply the settings.

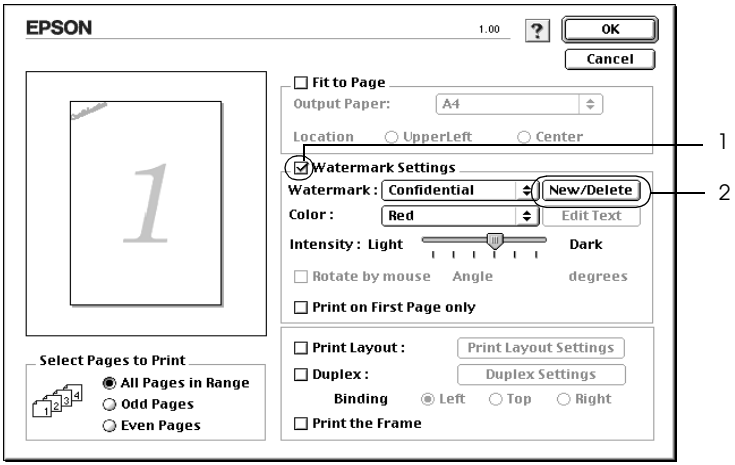
Making a new watermark

You can make a new text or bitmap watermark with the following procedures.

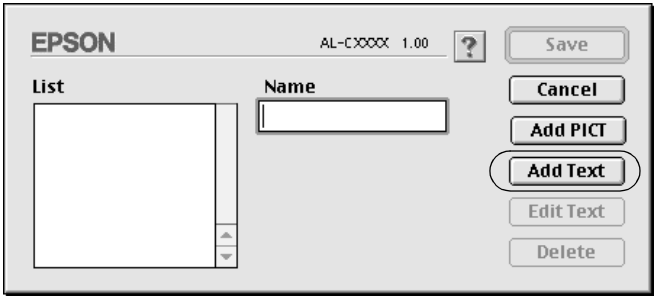
To make a text watermark

1. Click the Layout icon on the Basic Settings dialog box. The Layout dialog box appears.

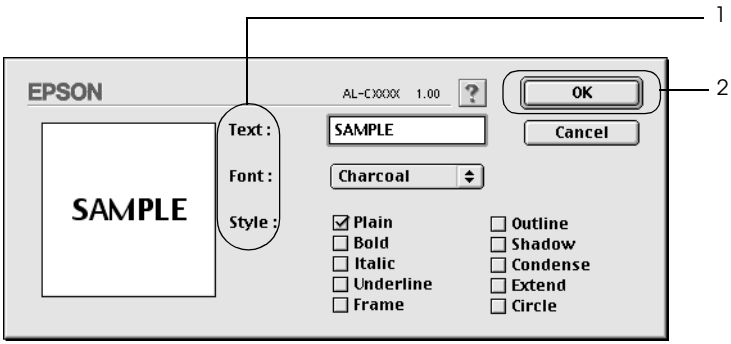
2. Select the Watermark Settings check box, then click New/Delete. The Custom Watermark dialog box appears.



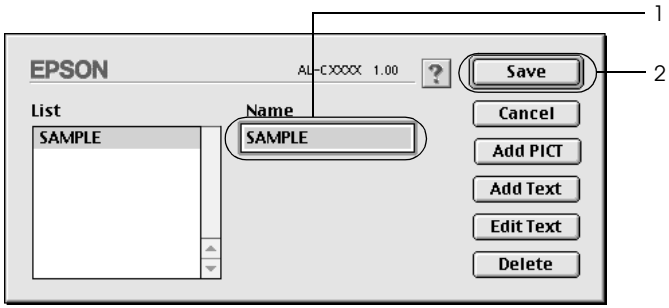
3. Click Add Text on the Custom Watermark dialog box.



4. Type the watermark text in the Text box, select the Font and Style, then click OK on the Text Watermark dialog box.



5. Type the file name in the Name box, then click Save.



Note:

- ❏ *To edit the saved text watermark, select it from the List box, then click* Edit Text. *After editing, be sure to click* OK *to close the dialog box.*

- ❏ *To remove the saved text watermark, select it from the List box, then click* Delete. *After removing it, be sure to click* Save *to close the dialog box.*

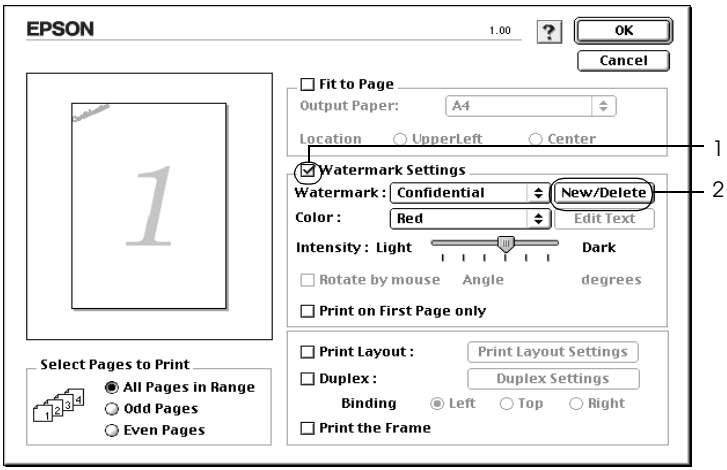
6. Select the saved custom watermark from the Watermark drop-down list on the Layout dialog box, then click OK.

To make a bitmap watermark

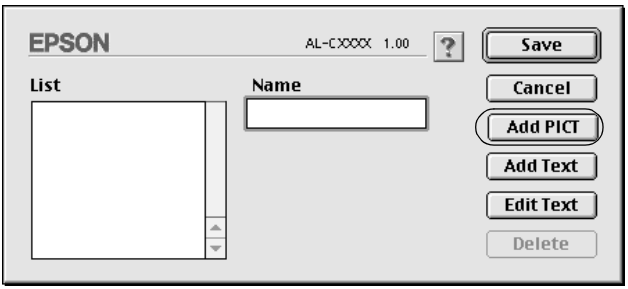
Before making a custom watermark, you should prepare a bitmap (PICT) file.

1. Click the Layout icon on the Basic Settings dialog box. The Layout dialog box appears.

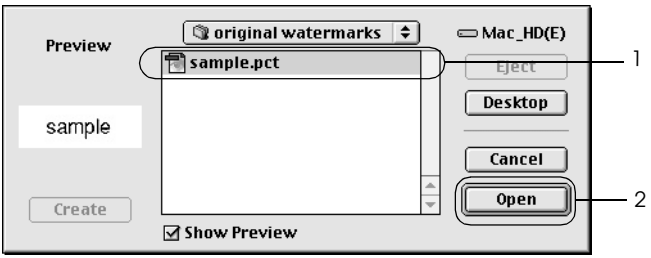
2. Select the Watermark Settings check box, then click New/Delete. The Custom Watermark dialog box appears.



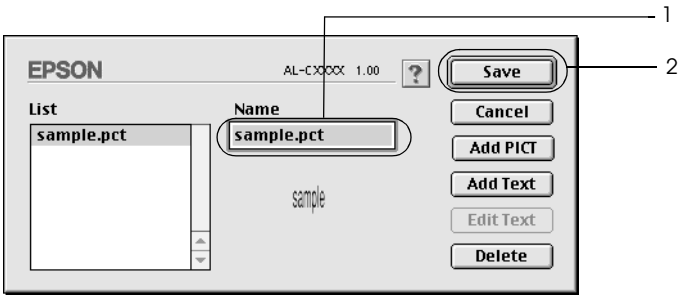
3. Click Add PICT on the Custom watermark dialog box.



4. Select the PICT file, then click Open.



5. Type the file name in the Name box, then click Save.



Note:
To remove the saved watermark, select it from the List box, then click Delete. *After removing it, be sure to click* Save *to close the dialog box.*

6. Select the saved custom watermark from the Watermark drop-down list on the Layout dialog box, then click OK.

Duplex printing

Duplex printing prints on both sides of the paper. You can do duplex printing automatically by installing the optional Duplex Unit. You can also do duplex printing manually without using the Duplex Unit. When printing for binding, the binding edge can be specified as required to produce the desired page order.

As an ENERGY STAR® partner, Epson recommends the use of the double-sided printing function. Refer to ENERGY STAR® Compliance for more information on the ENERGY STAR® program.

Printing with the Duplex Unit

Follow the steps below to print with the Duplex Unit.

For Mac OS X users

1. Open the Print dialog box.
2. Select Printer Settings from the drop-down list, and select the Basic settings tab.
3. Select the Duplex check box, then click the Duplex Settings button.
4. Select a Binding position from Left, Top, or Right.
5. Specify the Binding Margin for the front and back sides of the paper.

6. Select whether the front or back side of the paper is to be printed as the Start Page.

7. Click Print to start printing.

For Mac OS 9 users

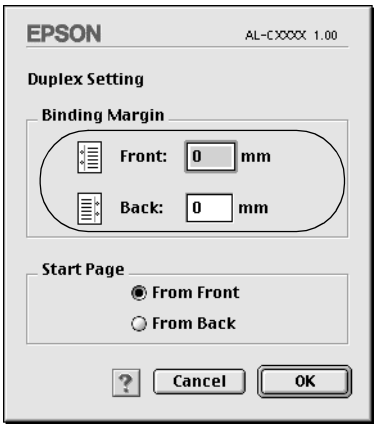
1. Click the Layout icon on the Basic Settings dialog box. The Layout dialog box appears.

2. Select the Duplex check box.

3. Select a Binding position from Left, Top, or Right.

4. Click Duplex Settings to open the Duplex Settings dialog box.

5. Specify the Binding Margin for the front and back sides of the paper.



6. Select whether the front or back side of the paper is to be printed as the Start Page.

7. Click OK to apply the settings and return to the Layout dialog box.

Doing duplex printing manually

You can do duplex printing manually without the optional Duplex Unit.

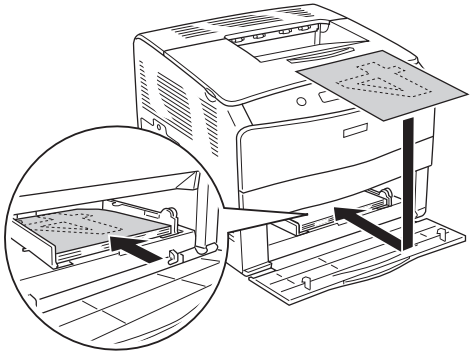
1. Open the Print dialog box.

2. Select Printer Settings from the drop-down list.

3. Select the Duplex (Manual) check box.

4. Click Print to start printing.

5. After printing on one side, reload the paper into the MP tray with the printed surface face down as shown below. Then press the ○ Start/Stop button.



Note:
When loading the paper, straighten it well. If curled paper is loaded, it may not be fed correctly.

Making Extended Settings

You can make various settings in the Extended Settings dialog box, for example Page Protect.

For Mac OS X users, open the Print dialog box and select Printer Settings from the drop-down list, then select Extended Settings.

For Mac OS 9 users, click the Extended Settings icon on the Basic Settings dialog box.

Offset:	Makes fine adjustments to the printing position on the front and the back of data on a page in 0.5 mm increments.
Ignore the selected paper size check box:	When you select this check box, the printer prints on the loaded paper, regardless of size.
Skip Blank Page check box:	When you select this check box, the printer skips blank pages. ***Note:*** *This function is not available with Mac OS X.*
Automatically change to monochrome mode check box:	Select this check box to have the printer driver analyze the printing data, and automatically switch to monochrome mode if the printing data is black and white. ***Note:*** *This function is not available with Mac OS X.*

Adjust line thickness check box:	Adjusts the width of the lines printed. ***Note:*** *This function is not available with Mac OS X.*
Auto Continue check box:	When you select this check box, the printer continues to print ignoring the page size errors and memory shortage.
Avoid Page Error check box:	Select this check box to avoid Print Overrun errors when printing data which requires a lot of memory to print, such as documents with a large number of complex fonts or graphics. Doing so may slow down printing somewhat. ***Note:*** *This function is available with Mac OS X only.*
Default button:	For Mac OS X users, click this button to return the driver settings to the initial settings. For Mac OS 9 users, click this button to return the settings in the Temporary Spool Folder to the initial settings.
Select button:	Selects spool file saving folder. ***Note:*** *This function is not available with Mac OS X.*

Cancel button:	Click this button to exit the dialog box or printer driver without saving the settings.
OK button:	Click this button to save the settings and to exit the dialog box or printer driver. The settings are effective until you make new settings, then click OK again. ***Note:*** *This function is not available with Mac OS X.*

Monitoring Your Printer using EPSON Status Monitor 3

EPSON Status Monitor 3 monitors your printer and gives you information about its current status.

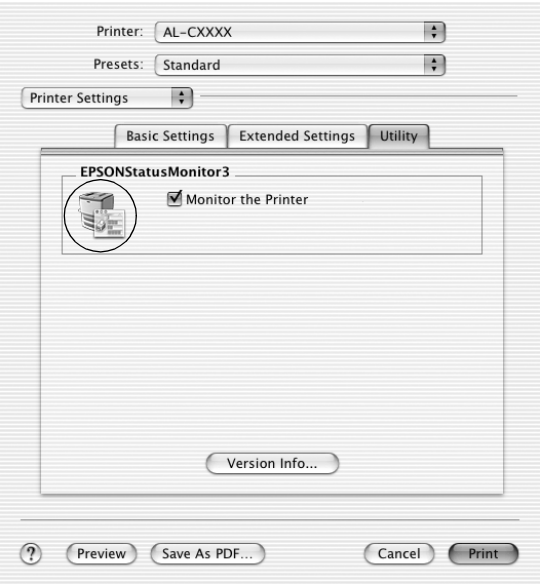
Accessing EPSON Status Monitor 3

For Mac OS X users

1. Click Print in the File menu of any application. The Print dialog box appears.

2. Select Printer Settings from the drop-down list and select Utilities.

3. Click your printer's icon.



For Mac OS 9 users

You can access EPSON Status Monitor 3 by selecting the EPSON Status Monitor 3 alias from the Apple menu.

Note:

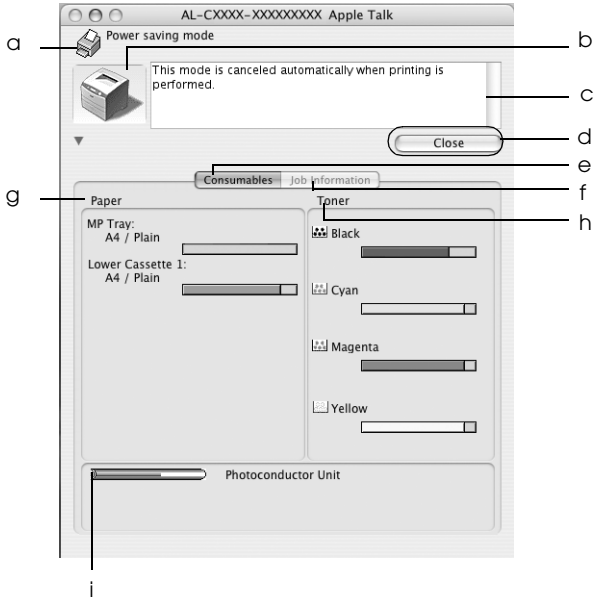
- ❏ *The appropriate printer port must already be selected in the Chooser so that necessary information can be received from the selected printer driver when the EPSON Status Monitor 3 starts. If the printer port is not correct, an error will occur.*

- ❏ *If you change the printer driver in the Chooser while the spool file is printing in the background, output to the printer may be disrupted.*

- ❏ *Printer and consumable products status information appears in the status window only if the Chooser is acquiring status normally.*

Getting printer status details

You can monitor printer status and get information on consumable products using the EPSON Status Monitor 3 dialog box.



Note:
This screen may vary depending on your operating system version.

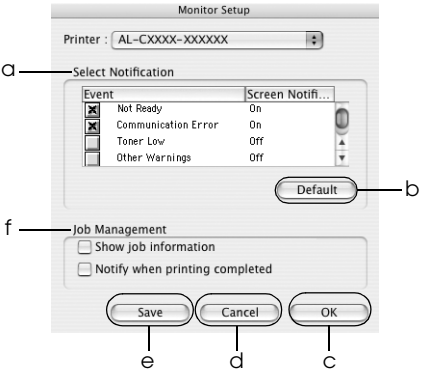
a. Icon/Message: The icon and message shows the printer status.

b. Printer image: The image at the upper left shows the printer status graphically.

c. Text box:	The text box next to the printer image displays the current status of the printer. When a problem occurs, the most probable solution is displayed.
d. Close button:	Clicking this button closes the dialog box.
e. Consumables:	Displays information for the paper trays and consumables.
f. Job Information:	Displays information for the print jobs. The Job Information menu is displayed when the Show job information check box on the Monitoring Preferences dialog box is on. See "Using the Job Management function" on page 117 for details.
g. Paper:	Displays the paper size, the paper type and the approximate amount of paper remaining in the paper source. Information for the optional cassettes are displayed only if this option is installed.
h. Toner:	Indicates the amount of remaining toner. The toner icon flashes if toner is low.
i. Photoconductor Unit:	Indicates the remaining functional life of the photoconductor unit.

Setting Monitoring Preferences

To make specific monitoring settings, select Monitor Setup from the File menu. The Monitor Setup dialog box appears.



The following settings and buttons appear in the dialog box:

a. Select Notification: Use the check boxes in this area to select the types of error that you wish to be notified about.
To select the notification item to be displayed, select the corresponding check box in Event. The current status of the notification item is displayed as On or Off in Screen Notification.

b. Default button: Restores default settings.

c. OK button: Saves new changes.

d. Cancel button: Cancels any changes.

e. Save button: Saves new changes and closes the dialog box.

Note:
This function is only available with Mac OS X.

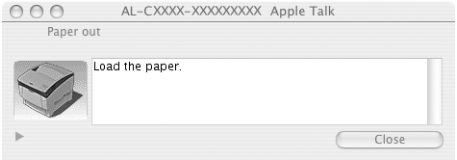
f. Job Management: Select the Show job information check box to display the Job Information menu in the EPSON Status Monitor 3 window. When this check box is selected, the Job management icon appears on the the task bar during printing.

To display the notification message when your print job is finished, select the Notify when printing completed check box.

Note:
This menu is enabled only under the conditions given in "Using the Job Management function" on page 117.

Status Alert window

The Status Alert window indicates what type of error has occurred and offers you a possible solution. The window closes automatically once the problem is cleared.



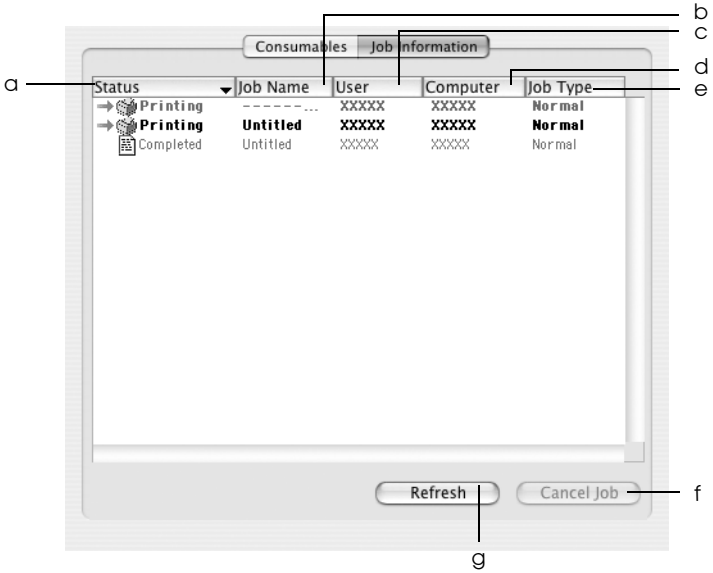
This window will also appear according to the selected notification in the Monitoring Preferences dialog box.

If you wish to see information about printer consumables, click the button (for Mac OS X) or Details (for Mac OS 9). If you click this button, the Status Alert Window will not disappear even after the problem is cleared. To close the window you need to click Close.

Using the Job Management function

You can obtain information on the print jobs on the Job Information menu on the EPSON Status Monitor 3 dialog box.

To display the Job Information menu, select the Show job information check box on the Monitoring Preferences dialog box, then click the Job Information menu on the EPSON Status Monitor 3 dialog box.



a. Status: Waiting: The print job which is waiting to be printed.

Spooling: The print job which is being spooled on your computer.

Deleting: The print job which is canceled during spooling in your computer by pressing the 🗑 Cancel Job button, or being deleted.

Printing: The print job which is printing currently.

Completed: Displays only your jobs that have finished printing.

Canceled: Displays only your jobs that have been canceled.

b. Job Name: Displays the user's print job file names. Other users print jobs are displayed as --------.

c. User: Displays the user name.

d. Computer: Displays the name of the computer connected to the printer.

e. Job Type: Displays the job type.

Note:
This function is available with Mac OS X only.

f. Cancel Job button: Selecting a print job and clicking this button, cancels the selected print job.

g. Refresh button: Clicking this button refreshes the information on this menu.

Note:
The job spooling on the shared printer cannot be displayed on the Job Information menu.

Setting Up the USB Connection

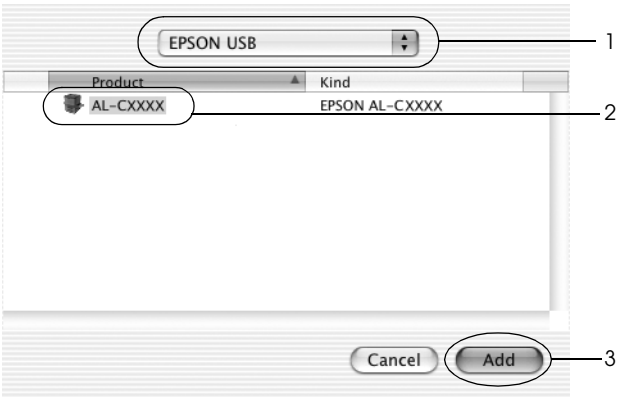
Note:
If you are connecting a USB cable to your Macintosh through a USB hub, be sure to connect using the first hub in the chain. The USB interface may be unstable depending on the hub used. If you experience problems with this type of setup, connect the USB cable directly to your computer's USB connector.

For Mac OS X users

1. Open the Applications folder on your hard drive, then open the Utilities folder and double-click the Printer Setup Utility (for Mac OS X 10.3) or Print Center (for Mac OS X 10.2 or below) icon.

2. Click Add Printer in the Printer List dialog box.

3. Select EPSON USB from the pop-up menu. Select AL-C1100 in the Product list, then click Add.



4. Close the Printer Setup Utility (for Mac OS X 10.3) or Print Center (for Mac OS X 10.2 or below).

For Mac OS 9 users

1. Select Chooser from the Apple menu. Click your printer icon, then click the USB port your printer is connected to.

2. Select Background Printing to turn background printing on or off.

   Note:
   - ❏ *Background printing must be turned on for the EPSON Status Monitor 3 to manage print jobs.*

   - ❏ *When background printing is on, you can use your Macintosh while it is preparing a document for printing.*

3. Close Chooser.

Canceling Printing

If the printouts are not what you expected and display incorrect or garbled characters or images, you may need to cancel printing. When a print job continues on the PC, follow the instruction below to cancel printing:

- ❏ Press the Period (.) key while pressing the Command key to cancel printing. Depending on applications, the message shows the procedure to cancel printing. If this appears, follow instructions in the message.

- ❏ During background printing, open EPSON Status Monitor 3 from the Application menu. Then stop printing from EPSON Status Monitor 3, or delete the file that is in sleep mode.

After the last page is output, the Ready (green) light on the printer turns on.

Note:
You can also cancel the current print job that is sent from your computer, by pressing the 🗑 Cancel Job button on the printer's control panel. When canceling the print job, be careful not to cancel print jobs sent by other users.

Uninstalling the Printer Software

When you wish to reinstall or upgrade the printer driver, be sure to uninstall the current printer software beforehand.

For Mac OS X

1. Quit all applications, and restart your Macintosh.
2. Insert the EPSON printer software CD-ROM in your Macintosh.
3. Double-click the EPSON icon on the desktop.
4. Double-click the Mac OS X folder, then double-click the Printer Driver folder.
5. Double-click your printer icon.

   Note:
   If the Authorization dialog box appears, enter the Password or phrase, *then click* OK.
6. When the software license agreement screen appears, read the statement, then click Accept.
7. Select Uninstall from the menu at the upper left, then click Uninstall.

8. Follow the on-screen instructions.

Note:
If the printer name remains in the Print Center after uninstalling the printer software, delete your printer name from the Print Center. Open the Print Center, select the printer name from the Printer List, then click Delete.

For Mac OS 9

1. Quit all applications, and restart your Macintosh.

2. Insert the EPSON printer software CD-ROM in your Macintosh.

3. Double-click the Language folder, then double-click the Disk 1 folder inside the Printer Driver folder.

4. Double-click the Installer icon.

5. Click Continue. When the software license agreement screen appears, read the statement, then click Accept.

6. Select Uninstall from the menu at the upper left, then click Uninstall.

7. Follow the on-screen instructions.

Chapter 5

Setting Up Your Printer on a Network

For Windows

Sharing the printer

This section describes how to share the printer on a standard Windows network.

The computers on a network can share a printer that is directly connected to one of them. The computer that is directly connected to the printer is the print server, and the other computers are the clients which need permission to share the printer with the print server. The clients share the printer via the print server.

According to the versions of Windows OS and your access rights on the network, make the appropriate settings for the print server and clients.

Setting the print server

- ❏ For Windows Me, 98, or 95, see "Setting up your printer as a shared printer" on page 124.
- ❏ For Windows XP, 2000, NT 4.0, or Server 2003, see "Using an additional driver" on page 126.

Setting the clients

- ❏ For Windows Me, 98, or 95, see "With Windows Me, 98, or 95" on page 133.
- ❏ For Windows XP or 2000, see "With Windows XP or 2000" on page 134.

❏ For Windows NT 4.0, see "With Windows NT 4.0" on page 138.

Note:

❏ *When sharing the printer, be sure to set EPSON Status Monitor 3 so that the shared printer can be monitored on the print server. See "Setting Monitoring Preferences" on page 71.*

❏ *When you are using a shared printer in a Windows Me, 98, or 95 environment, on the server, double-click the* Network *icon in Control panel and make sure that the "File and printer sharing for Microsoft Networks" component is installed. Then, on the server and clients, make sure that the "IPX/SPX-compatible Protocol" or the "TCP/IP Protocol" is installed.*

❏ *The print server and clients should be set on the same network system, and they should be under the same network management beforehand.*

❏ *The screen may vary depending on your operating system version.*

Setting up your printer as a shared printer

When the print server's OS is Windows Me, 98, or 95, follow the steps below to set the print server.

1. Click Start, point to Settings, then click Control Panel.
2. Double-click the Network icon.
3. Click File and Print Sharing on the Configuration menu.
4. Select the I want to be able to allow others to print to my printer(s). check box, then click OK.
5. Click OK to apply the settings.

Note:

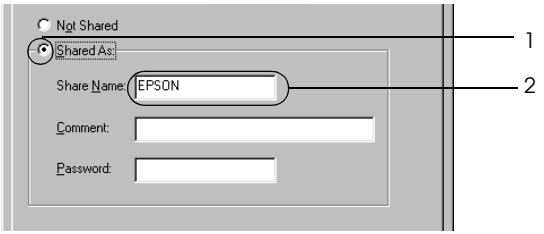
❏ *When "Insert the Disk" appears, insert the Windows Me, 98, or 95 CD-ROM in the computer. Click OK, then follow the on-screen instructions.*

❏ *When the prompt to restart the computer appears, restart the computer, then continue with the settings.*

6. Double-click the Printers icon on the control panel.

7. Right-click your printer icon, then click Sharing in the menu that appears.

8. Select Shared As, type the name in the Share Name box, then click OK. Type a Comment and Password if needed.



Note:

❏ *Do not use spaces or hyphens for the share name, or an error may occur.*

❏ *When sharing the printer, be sure to set EPSON Status Monitor 3 so that the shared printer can be monitored on the print server. See "Setting Monitoring Preferences" on page 71.*

You need to set the client computers so that they can use the printer on a network. See the following pages for details.

❏ "With Windows Me, 98, or 95" on page 133

❏ "With Windows XP or 2000" on page 134

❏ "With Windows NT 4.0" on page 138

Using an additional driver

When the print server's OS is Windows XP, 2000, NT 4.0, or Server 2003, you can install the additional drivers on the server. The additional drivers are for client computers that have a different OS from the server.

Follow the steps below to set a Windows XP, 2000, NT 4.0 (OS), or Server 2003 as a print server, and install the additional drivers.

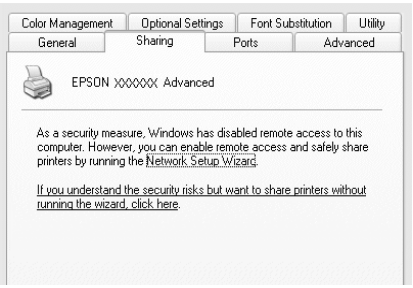
Note:

- ❏ *You must access Windows XP, 2000, NT 4.0, or Server 2003 as the Administrator of the local machine.*
- ❏ *If the print server's OS is Windows NT 4.0, the additional driver can be used only on Service Pack 4 or later.*

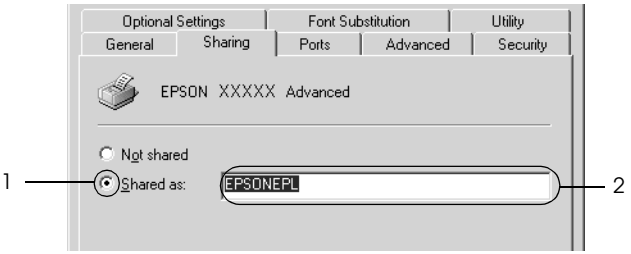
1. For a Windows 2000 or NT 4.0 print server, click Start, point to Settings, and click Printers.
   For a Windows XP or Server 2003 print server, click Start, point to Printers and Faxes.

2. Right-click your printer icon, then click Sharing in the menu that appears.

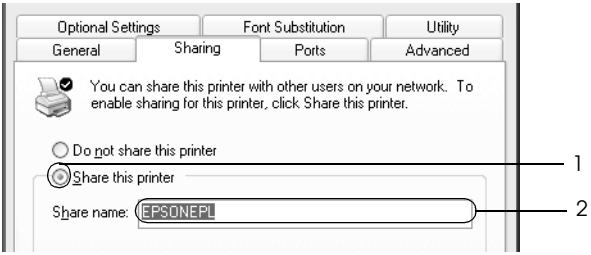
   For Windows XP or Server 2003, if the following menu appears, click either Network Setup Wizard or If you understand the security risks but want to share printers without running the wizard, click here.
   In either case, follow the on-screen instructions.



3. For a Windows 2000 or NT 4.0 print server, select Shared as, then type the name in the Share name box.



For a Windows XP or Server 2003 print server, select Share this printer, then type the name in the Share name box.



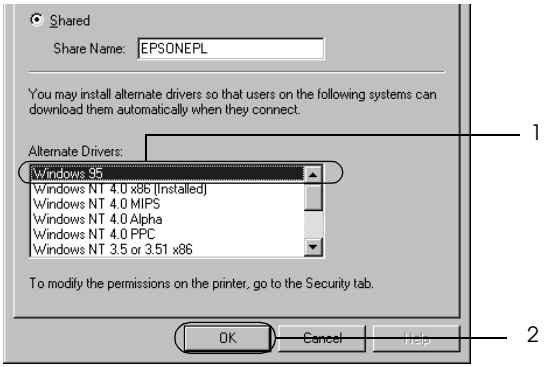
Note:
Do not use spaces or hyphens for the Share name, or an error may occur.

4. Select the additional drivers.

Note:
If the computers of the server and clients use the same OS, you do not have to install the additional drivers. Just click OK after step 3.

On the Windows NT 4.0 print server

Select Windows being used for clients. For example, select Windows 95 to install the additional driver for the Windows Me, 98, or 95 clients, then click OK.

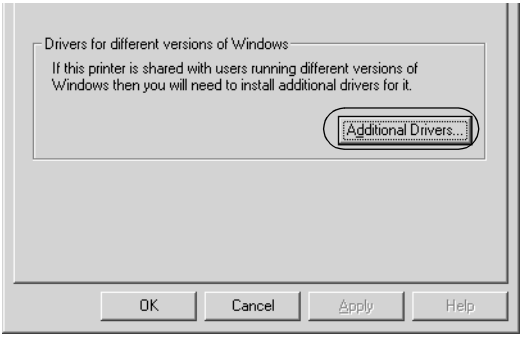


Note:

- ❏ *You do not have to select* Windows NT 4.0x86*, because that driver has been installed already.*
- ❏ *Do not select additional drivers other than* Windows 95*. The other additional drivers are not available.*
- ❏ *You cannot install a printer driver in Windows XP, 2000, or Server 2003 as an additional driver.*

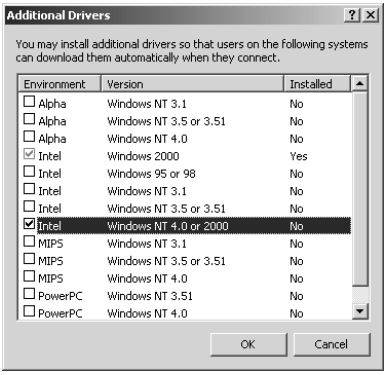
On the Windows XP, 2000, or Server 2003 print server

Click Additional Drivers.



Select Windows being used for clients, then click OK.

For Windows Me, 98, or 95 clients	Select Intel Windows 95 or 98 (Windows 2000), Select Intel Windows 95, 98 and Me (Windows XP), Select x86 Windows 95, Windows 98 and Windows Millennium Edition (Windows Server 2003)
For Windows NT 4.0 clients	Select Intel Windows NT 4.0 or 2000 (Windows 2000), Select Intel Windows NT4.0 or 2000 (Windows XP), Select x86 Windows NT4.0 (Windows Server 2003)
For Windows XP or 2000 clients	Intel Windows 2000 (Windows 2000), Intel Windows 2000 or XP (Windows XP), x86 Windows 2000, Windows XP and Windows Server 2003 (Windows Server 2003)



Note:

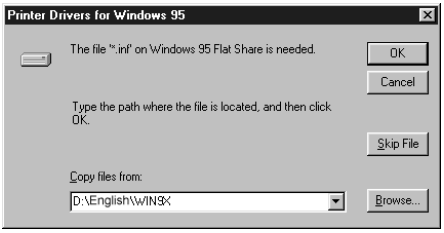
- ❏ *The screen in Windows Server 2003 is different from the screens shown above.*

- ❏ *You do not have to install the additional drivers noted below, because these drivers are preinstalled.*
  Intel Windows 2000 *(for Windows 2000)*
  Intel Windows 2000 or XP *(for Windows XP)*
  x86 Windows 2000, Windows XP and Windows Server 2003 *(for Windows Server 2003)*

- ❏ *Do not select additional drivers other than the drivers listed in the above table. The other additional drivers are not available.*

5. When a prompt appears, insert the CD-ROM that comes with your printer in your CD-ROM drive, then click OK.

6. According to the message, type the appropriate drive and folder names in which the printer driver for clients is located, then click OK.
   Depending on the client's OS, the displayed message may differ.



   The folder name differs depending on the OS being used.

Client's OS	Folder Name
Windows Me, 98, or 95	\<Language>\WIN9X
Windows NT 4.0	\<Language>\WINNT40

   When installing drivers in Windows XP, 2000, or Server 2003, "Digital Signature is not found." may appear. Click Yes (for Windows 2000) or Continue Anyway (for Windows XP or Server 2003) and continue installing.

7. When installing in Windows XP, 2000, or Server 2003, click Close. When installing in Windows NT 4.0, the property window closes automatically.

   Note:
   Confirm the following items when sharing the printer:

   ❏ *Be sure to set EPSON Status Monitor 3 so that the shared printer can be monitored on the print server. See "Setting Monitoring Preferences" on page 71.*

❏ *Set the security for the shared printer (access right for clients). Clients cannot use the shared printer without the access right. For details, see Windows help.*

You need to set the client computers so that they can use the printer on a network. See the following pages for details:

❏ "With Windows Me, 98, or 95" on page 133

❏ "With Windows XP or 2000" on page 134

❏ "With Windows NT 4.0" on page 138

Setting up clients

This section describes how to install the printer driver by accessing the shared printer on a network.

Note:

❏ *To share the printer on a Windows network, you need to set the print server. For details, see "Setting up your printer as a shared printer" on page 124 (Windows Me, 98, or 95) or "Using an additional driver" on page 126 (Windows XP, 2000, NT 4.0, or Server 2003).*

❏ *This section describes how to access the shared printer on a standard network system using the server (Microsoft workgroup). If you cannot access the shared printer due to the network system, ask the administrator of the network for assistance.*

❏ *This section describes how to install the printer driver by accessing the shared printer from the* Printers *folder. You can also access the shared printer from Network Neighborhood or My Network on the Windows desktop.*

❏ *You cannot use the additional driver on the server system OS.*

❏ *When you want to use EPSON Status Monitor 3 from a client, you have to install both of the printer driver and EPSON Status Monitor 3 in each client from the CD-ROM.*

With Windows Me, 98, or 95

Follow the procedure below to set Windows Me, 98, or 95 clients.

1. Click Start, point to Settings, then click Printers.

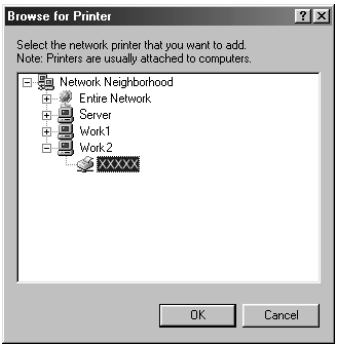
2. Double-click the Add Printer icon, then click Next.

3. Select Network printer, then click Next.

4. Click Browse, and the Browse for Printer dialog box appears.

   Note:
   You can also type "\\(the name of the computer that is locally connected to the shared printer)\(the shared printer's name)*" in the network path or queue name.*

5. Click the computer or server that is connected to the shared printer, and the name of the shared printer, then click OK.



Note:
The name of the shared printer may be changed by the computer or server that is connected to the shared printer. To make sure of the name of the shared printer, ask the administrator of the network.

6. Click Next.

   Note:
   - ❏ *If the printer driver is installed in the client beforehand, you need to select the new printer driver or the current printer driver. When the prompt to select the printer driver appears, select the printer driver according to the message.*

   - ❏ *If the print server's OS is Windows Me, 98, or 95 or the additional driver for Windows Me, 98, or 95 is installed in the Windows XP, 2000, NT 4.0, or Server 2003 print server, go to the next step.*

   - ❏ *If the additional driver for Windows Me, 98, or 95 is not installed in the Windows XP, 2000, NT 4.0, or Server 2003 print server, go to "Installing the printer driver from the CD-ROM" on page 140.*

7. Make sure of the name of the shared printer, then select whether to use the printer as the default printer or not. Click Next, then follow the on-screen instructions.

   Note:
   You can change the shared printer's name so that it appears only on the client computer.

With Windows XP or 2000

Follow the steps below to set Windows XP or 2000 clients.

You can install the printer driver for the shared printer, if you have Power Users or more powerful access rights even if you are not the Administrator.

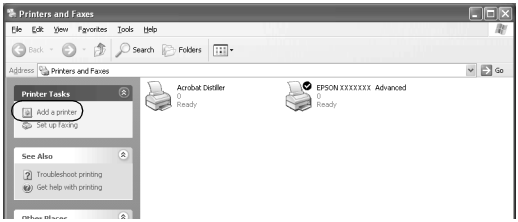
If the print server's OS is Windows NT 4.0, confirm the following items:

❏ In a Windows NT 4.0 print server, the additional driver for Windows XP or 2000 clients is the “Windows NT 4.0 x86” driver which is installed beforehand as the printer driver for Windows NT 4.0. When installing the printer driver in the Windows XP or 2000 clients from Windows NT 4.0 print server, the driver for Windows NT 4.0 is installed.

❏ You can not install the printer driver for Windows XP or 2000 as the additional driver in a Windows NT 4.0 print server. To install the printer driver for Windows XP or 2000 in Windows XP or 2000 clients, the administrator installs the local printer driver in the clients from the CD-ROM that comes with the printer, then performs the following procedure.

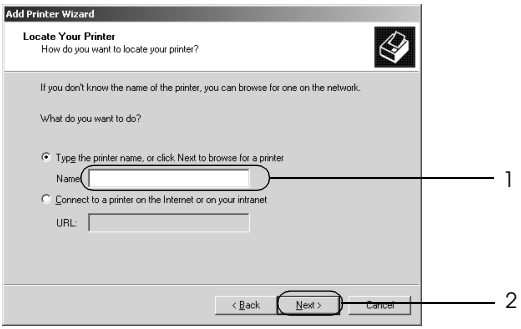
1. For Windows 2000 clients, click Start, point to Settings, and click Printers.
   For Windows XP clients, click Start, point to Printers and Faxes.

2. For Windows 2000, double-click the Add Printer icon, then click Next.
   For Windows XP, click Add a printer in the Printer Tasks menu.



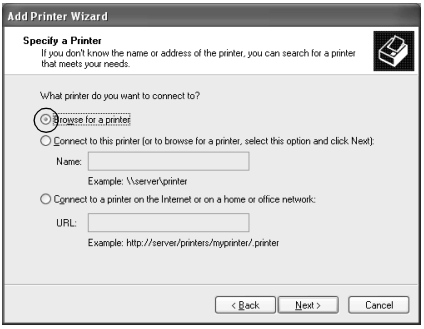
3. For Windows 2000, select Network printer, then click Next.
   For Windows XP, select A network printer, or a printer attached to another computer, then click Next.

4. For Windows 2000, type the name of the shared printer, then click Next.

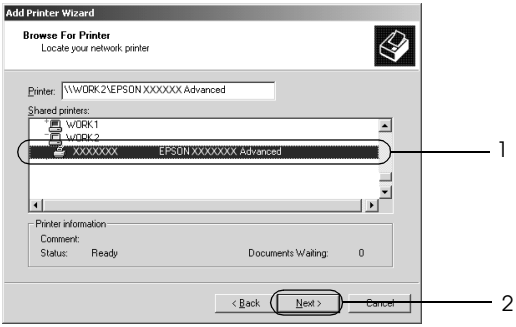


Note:
You can also type "\\(the name of the computer that is locally connected to the shared printer)\(the shared printer's name)*" in network path or queue name, otherwise click* Next *to browse for a printer.*

For Windows XP, select Browse for a printer.



5. Click the icon of the computer or server that is connected to the shared printer, and the name of the shared printer, then click Next.



Note:

- ❏ *The name of the shared printer may be changed by the computer or server that is connected to the shared printer. To make sure of the name of the shared printer, ask the administrator of the network.*

- ❏ *If the printer driver is installed in the client beforehand, you need to select either the new printer driver or the current printer driver. When the prompt to select the printer driver appears, select the printer driver according to the message. If the local printer driver for Windows XP or 2000 is installed beforehand, you can select the printer driver for Windows XP or 2000 as the current printer driver instead of the alternative driver in the Windows NT 4.0 server.*

- ❏ *If the additional driver for Windows XP or 2000 (NT 4.0) is installed in the Windows XP, 2000, NT 4.0, or Server 2003 print server, go to the next step.*

- ❏ *If the additional driver is not installed in the Windows NT 4.0 print server or the print server's OS is Windows Me, 98, or 95, go to "Installing the printer driver from the CD-ROM" on page 140.*

6. For Windows 2000, select whether to use the printer as the default printer or not, then click Next.

7. Make sure of the settings, then click Finish.

With Windows NT 4.0

Follow the steps below to set Windows NT 4.0 clients.

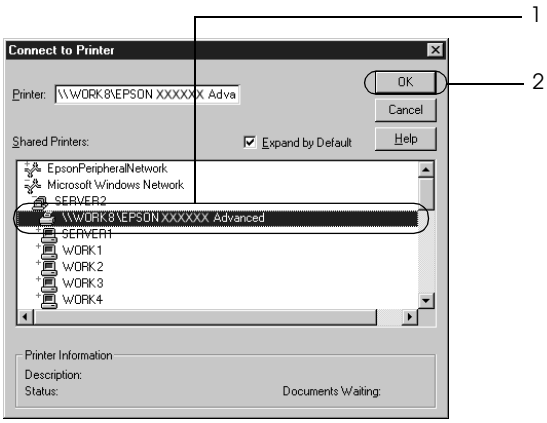
You can install the printer driver for the shared printer, if you have Power Users or more powerful access rights even if you are not the Administrator.

1. Click Start, point to Settings, then click Printers.

2. Double-click the Add Printer icon.

3. Select Network printer server, then click Next.

4. Click the icon of the computer or server that is connected to the shared printer, and the name of the shared printer, then click OK.



Note:

- ❏ *You can also type "*\\(the name of the computer that is locally connected to the shared printer)\(the shared printer's name)*" in network path or queue name.*

- ❏ *The name of the shared printer may be changed by the computer or server that is connected to the shared printer. To make sure of the name of the shared printer, ask the administrator of the network.*

- ❏ *If the printer driver is installed in the client beforehand, you need to select the new printer driver or the current printer driver. When the prompt to select the printer driver appears, select the printer driver according to the message.*

- ❏ *If the additional driver for Windows NT 4.0 is installed in the Windows XP, 2000, NT4.0, or Server 2003 print server, go to the next step.*

❏ *If the additional driver for Windows NT 4.0 is not installed in the Windows XP, 2000, or Server 2003 print server or the print server's OS is Windows Me, 98, or 95, go to "Installing the printer driver from the CD-ROM" on page 140.*

5. Select whether to use the printer as the default printer or not, then click Next.

6. Click Finish.

Installing the printer driver from the CD-ROM

This section describes how to install the printer driver in the clients when setting the network system as follows:

❏ The additional drivers are not installed in the Windows XP, 2000, NT 4.0, or Server 2003 print server.

❏ The print server's OS is Windows Me, 98, or 95 and the client's OS is Windows XP, 2000, or NT 4.0.

The on-screen displays on the following pages may differ depending on the version of Windows OS.

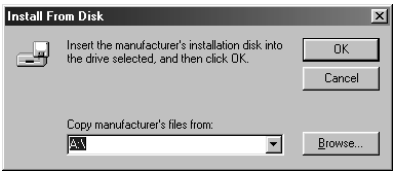
Note:

❏ *When installing in Windows XP, 2000, or NT 4.0 clients, you must access Windows XP, 2000, or NT 4.0 with the Administrator.*

❏ *If the additional drivers are installed or the computers of the server and clients use the same OS, you do not have to install the printer drivers from the CD-ROM.*

1. Access the shared printer and a prompt may appear. Click OK, then follow the on-screen instructions to install the printer driver from the CD-ROM.

2. Insert the CD-ROM, type the appropriate drive and folder names in which the printer driver for clients is located, then click OK.



When installing drivers in Windows XP, 2000, or Server 2003, "Digital Signature is not found." may appear. Click Yes (for Windows 2000) or Continue Anyway (for Windows XP or Server 2003) and continue installing.

The folder name differs depending on the OS being used.

Client's OS	Folder Name
Windows Me, 98, or 95	\<Language>\WIN9X
Windows 2000 or XP	\<Language>\WINXP_2K
Windows NT 4.0	\<Language>\WINNT40

3. Select the name of the printer, click OK, then follow the on-screen instructions.

For Macintosh

Sharing the printer

This section describes how to share the printer on an AppleTalk network.

The computers on the network can share the printer that is directly connected to one of them. The computer that is directly connected to the printer is the print server, and the other computers are the clients which need permission to share the printer with the print server. The clients share the printer via the print server.

For Mac OS X users

Use the Printer Sharing setting, which is a standard feature of Mac OS X 10.2 or later.
This feature is not available with Mac OS X 10.1.

See your operating system's documentation for details.

For Mac OS 9 users

Setting up your printer as a shared printer

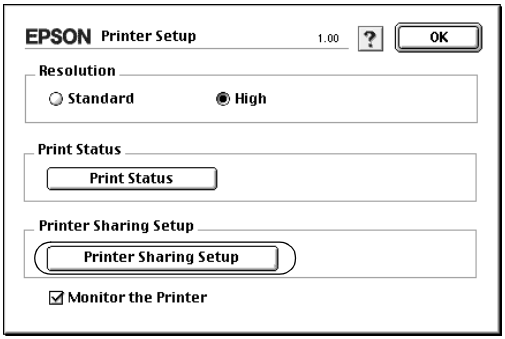
Follow the steps below to share a printer connected directly to your computer with other computers on an AppleTalk network.

1. Turn on the printer.

2. Select Chooser from the Apple menu, then click your printer icon. Select USB port in the "Select a printer port" box on the right, then click Setup. The Printer Setup dialog box appears.

Note:
Make sure On *is selected under Background Printing.*

3. Under Printer Sharing Set Up, click Printer Sharing Setup.



4. The Printer Sharing dialog box appears. Select the Share this Printer check box, then type the printer name and password information as needed.

5. Click OK to apply the settings.

6. Close Chooser.

Accessing the shared printer

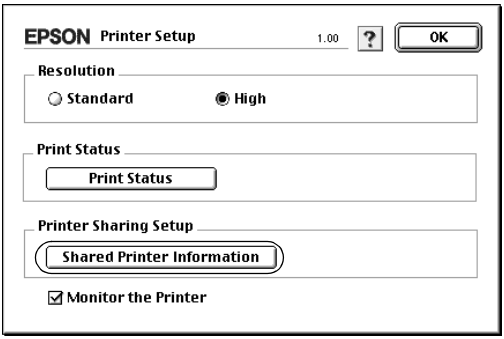
Follow the steps below to access your printer from another computer on the network.

1. Turn on your printer.

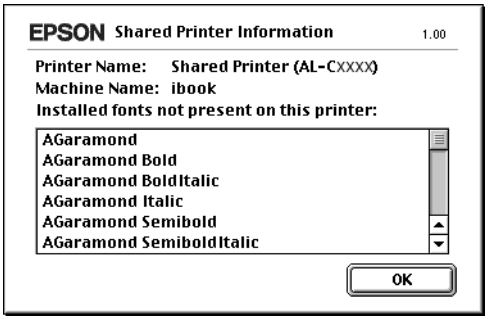
2. On each computer from which you want to access the printer, select Chooser from the Apple menu. Click your printer icon, then select the name of the shared printer in the "Select a printer port" box on the right. You can only select from the printers connected to your current AppleTalk zone.

   Note:
   Make sure On *is selected under Background Printing.*

3. Click Setup, enter the password for the printer, then click OK. The Printer Setup dialog box appears. Under Printer Sharing Set Up, click Shared Printer Information.



4. The following type of message appears if the client has fonts that are unavailable on the print server.



5. Click OK to close the message.

6. Close Chooser.

Chapter 6

Installing Options

Optional Paper Cassette Unit

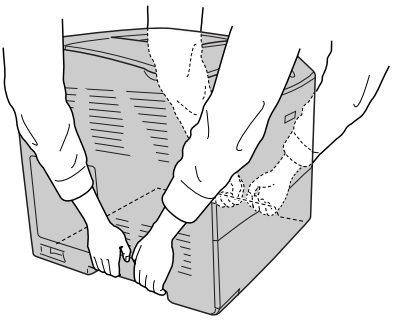
For details about the paper types and sizes that you can use with the optional paper cassette unit, see “Optional paper cassette unit” on page 25. For specifications, see “Optional 500-Sheet Paper Cassette Unit” on page 242.

Note:
Load paper with the printable surface facing up.

Handling precautions

Always pay attention to the following handling precautions before installing options:

The printer weighs about 28 kg (62 lb). One person should never attempt to lift or carry it alone. Two people should carry the printer, lifting it from the positions shown below.



Warning:
If you lift the printer incorrectly, you could drop it and cause injury.

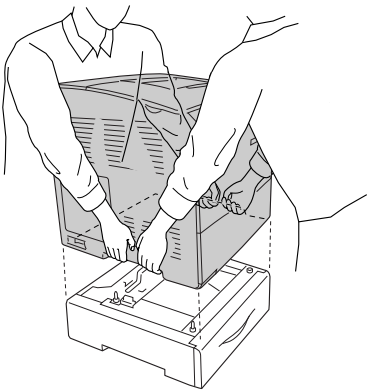
Installing the optional paper cassette unit

Follow the steps below to install the optional paper cassette unit.

1. Turn the printer off and unplug the power cord and interface cable.

2. Take the optional paper cassette unit out of the cardboard box, then remove the protective materials in the cassette.

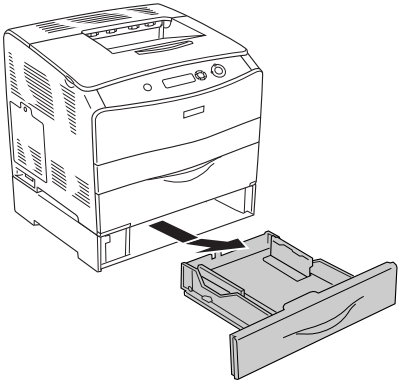
3. Place the optional paper cassette unit where you intend to set up the printer. Then, put the printer onto the optional paper cassette unit. Align each of the printer's corners with those of the unit, then lower the printer until it rests securely on the unit.



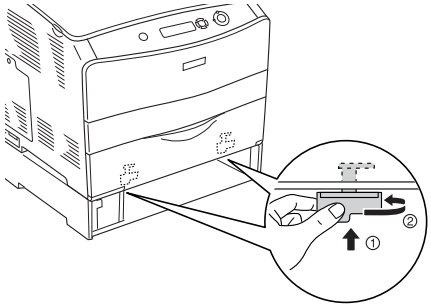
Warning:
Two people should lift the printer by the correct positions.

Note:
The printer and optional paper cassette unit are heavy so it is necessary to carry them separately when you transfer them.

4. Remove the paper cassette from the optional paper cassette unit.



5. Push up the fixing tabs inside the optional paper cassette unit, then turn them in a clockwise direction to fix the unit and the printer together.



6. Reinsert the paper cassette into the optional paper cassette unit.

7. Reconnect the interface cable and power cord, then turn the printer on.

8. To confirm that the option is installed correctly, print a Status Sheet. See "Printing a Status Sheet" on page 193.

Note for Windows users:
If EPSON Status Monitor 3 is not installed, you have to make settings manually in the printer driver. See "Making Optional Settings" on page 62.

Note for Macintosh users:
When you have attached or removed printer options, you need to delete the printer using Print Setup Utility *(for Mac OS X 10.3),* Print Center *(for Mac OS X 10.2 or below), or* Chooser *(for Mac OS 9), and then re-register the printer.*

Removing the optional paper cassette unit

Perform the installation procedure in reverse.

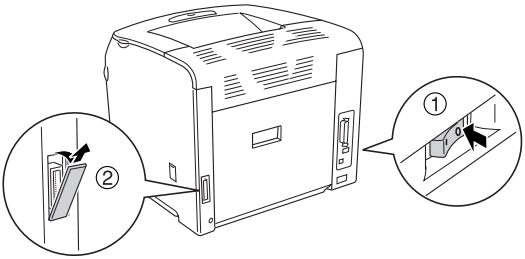
Duplex Unit

For specifications or details about the paper types and sizes that you can use with the Duplex Unit, see "Duplex Unit" on page 243.

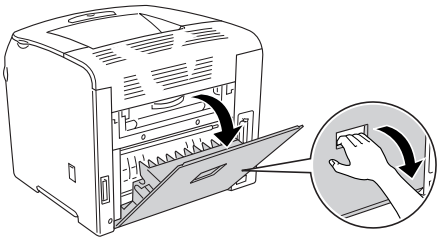
Installing the Duplex Unit

Follow the steps below to install the optional Duplex Unit.

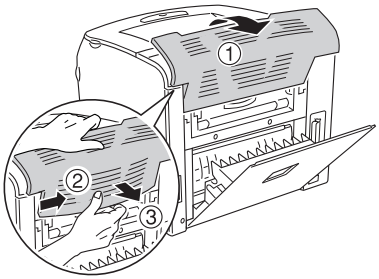
1. Turn the printer off and unplug the power cord and interface cable. Then, remove the connector cover.



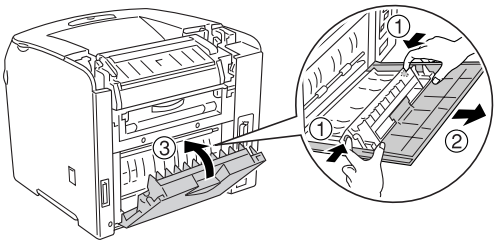
2. Open cover E.



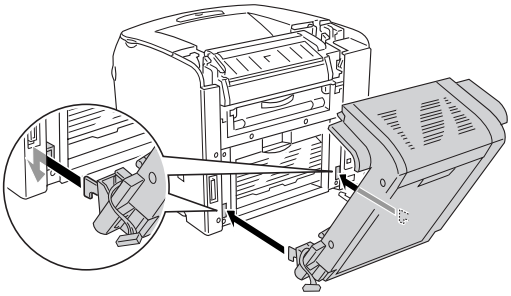
3. Open cover C slightly, and then remove it slowly by bowing the center of the cover out.



4. Pull cover E upward to remove it while pushing the notches on both sides of the cover. Then, close cover E.

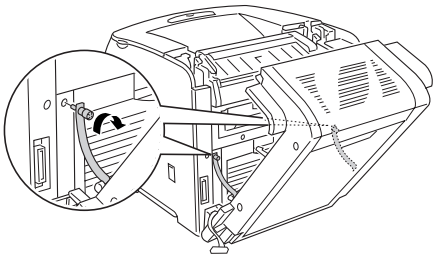


5. Align the two hooks on the bottom of the Duplex Unit with the holes on the printer, then insert the Duplex Unit firmly.

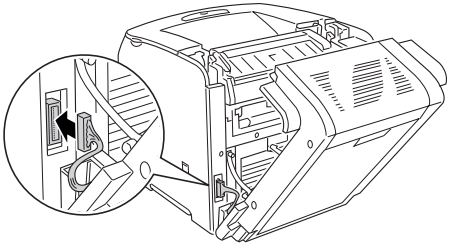


Note:
Make sure that the hooks fit into the holes securely. Otherwise, the cover cannot be closed securely.

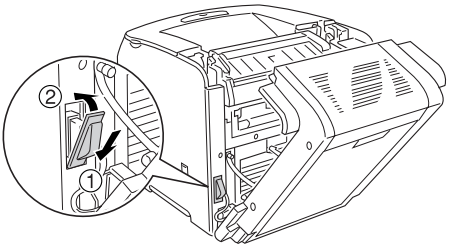
6. Bind the two straps on both sides of the Duplex Unit to the printer with the screws.



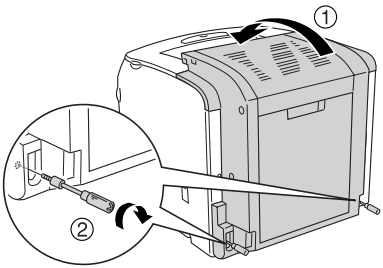
7. Insert the connector into the printer.



8. Attach the connector cover that comes with the duplex unit. Then, put the connector harness through the hole on the connector cover.



9. Close cover D, and then tighten the two screws of both sides of the unit.



10. To confirm that the option is installed correctly, print a Status Sheet. See "Printing a Status Sheet" on page 193.

Note for Windows users:
If EPSON Status Monitor 3 is not installed, you have to make settings manually in the printer driver. See "Making Optional Settings" on page 62.

Note for Macintosh users:
When you have attached or removed printer options, you need to delete the printer using Print Setup Utility *(for Mac OS X 10.3),* Print Center *(for Mac OS X 10.2 or below), or* Chooser *(for Mac OS 9), and then re-register the printer.*

Removing the Duplex Unit

Follow the steps below to remove the optional Duplex Unit.

1. Turn the printer off and unplug the power cord and interface cable.

2. Remove the two screws from both sides of the unit, and then open cover D.

3. Remove the connector cover.

4. Remove the connector from the printer.

5. Loosen the screws and remove the two straps on both sides of the Duplex Unit from the printer.

6. Pull the Duplex Unit forward and remove it.

7. Replace cover E.

8. Replace cover C.

9. Close cover E.

10. Reconnect the interface cable and power cord, then turn the printer on.

Memory Module

By installing a Dual In-line Memory Module (DIMM), you can increase printer memory up to 256 MB. You may want to add additional memory if you are having difficulty printing complex graphics.

This printer has one memory slot.

Note:

- ❏ *The maximum expandable memory is 256 MB.*
- ❏ *Even if the 256 MB memory is added to the 32 MB memory, you cannot use more than 256 MB memory.*

Installing a memory module

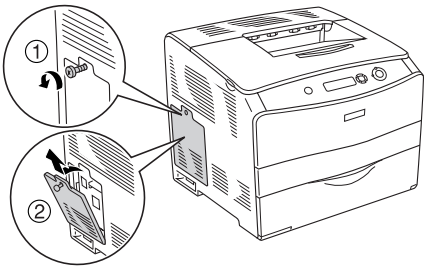
Follow the steps below to install an optional memory module.

Warning:
Be careful when working inside the printer as some components are sharp and may cause injury.

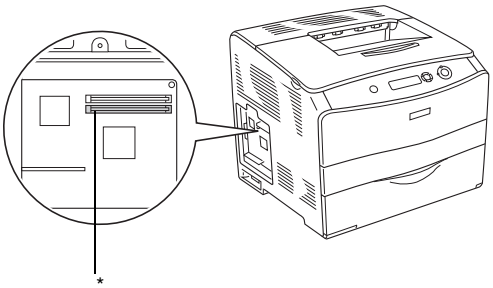
Caution:
Before you install a memory module, be sure to discharge any static electricity by touching a grounded piece of metal. Otherwise, you may damage static-sensitive components.

1. Turn the printer off and unplug the power cord and interface cable.

2. Remove the option cover on the printer's left side by removing the screw from the cover.

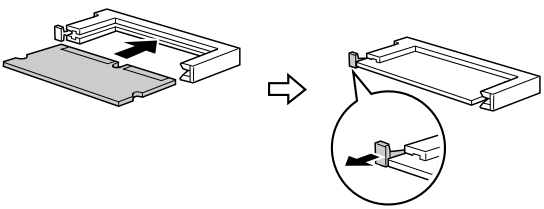


3. Identify the RAM slot.



* RAM slot (gray)

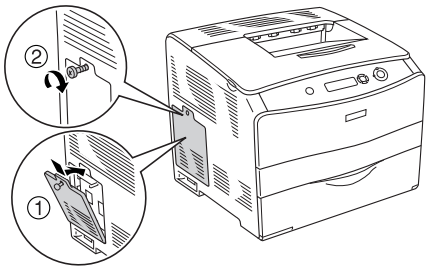
4. Insert the memory module into slot until the clip locks onto the memory module. Make sure that the upper slot (white) has a module at all times.



Caution:

- ❏ *Do not force the memory module into the slot.*
- ❏ *Be sure to insert the memory module facing the correct way.*
- ❏ *You should not remove any modules from the circuit board. Otherwise, the printer will not work.*

5. Reattach the option cover with the screw as shown below.



6. Reconnect the interface cable and power cord and turn the printer on.

7. To confirm that the option is installed correctly, print a status sheet. See "Printing a Status Sheet" on page 193.

Note for Windows users:
If EPSON Status Monitor 3 is not installed, you have to make settings manually in the printer driver. See "Making Optional Settings" on page 62.

Note for Macintosh users:
When you have attached or removed printer options, you need to delete the printer using Print Setup Utility *(for Mac OS X 10.3),* Print Center *(for Mac OS X 10.2 or below), or* Chooser *(for Mac OS 9), and then re-register the printer.*

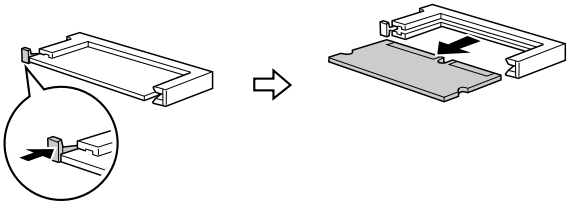
Removing a memory module

Caution:
Before you remove a memory module, be sure to discharge any static electricity by touching a grounded piece of metal. Otherwise, you may damage static-sensitive components.

Warning:
Be careful when working inside the printer as some components are sharp and may cause injury.

Perform the installation procedure in reverse.

When removing a memory module from its slot, press the clip and pull out the memory module as shown below.



Chapter 7

Maintenance and Transportation

Replacement Messages

When you see the following messages on the LCD panel or the window of EPSON Status Monitor 3, replace the appropriate consumable products. You can continue to print for a short time after a message appears, but Epson recommends early replacement to maintain print quality and extend the life of your printer.

LCD Panel Message	Description
Worn Photoconductor	The photoconductor unit is near the end of its service life.
Worn Fuser	The fuser unit has reached the end of its service life. Contact your dealer.
Worn uuuu Dev Unit	The developer unit has reached the end of its service life. Contact your dealer.

Note:
To clear the warning, select `Clear All Warning` *from the control panel's Reset Menu.*

If a consumable product reaches the end of its service life, the printer stops printing and displays the following messages on the LCD panel or the window of EPSON Status Monitor 3. When this happens, the printer cannot resume printing until you replace the depleted consumable products.

LCD Panel Message	Description
Replace Toner uuuu*	The indicated toner cartridge is empty.
Replace Photocondctr	Printing has stopped to avoid damage to the engine.

* The letters C, M, Y, and K appear in this position, indicating the color of the toner to be replaced. For example, the message `Y Toner Low` means that the amount of toner remaining in the yellow toner cartridge is low.

Note:
Messages appear for one consumable product at a time. After replacing a consumable product, check the LCD panel for replacement messages for other consumable products.

Even if `Replace Photocondctr` is displayed on the LCD panel, you can continue to print for a short time by pressing the ○ Start/Stop button on the control panel. The message on the LCD panel changes from `Replace Photocondctr` to `Worn Photoconductor`.

Note:
- ❏ *Print quality cannot be guaranteed when printing with a worn consumable product. If print quality is not what you expected, replace the consumable product.*

- ❏ *The printer stops printing if printing with a worn consumable product might damage the printer. If the printer stops printing, replace the consumable product.*

Toner Cartridge

Handling precautions

Always observe the following handling precautions when replacing the consumable products:

- ❏ Installing a genuine toner cartridge is recommended. Using a non-genuine toner cartridge may affect print quality. Epson shall not be liable for any damages or problems arising from the use of consumable products not manufactured or approved by Epson.

- ❏ When handling toner cartridge, always place them on a clean smooth surface.

- ❏ If you have moved a toner cartridge from a cool to a warm environment, wait for at least one hour before installing it to prevent damage from condensation.

Warning:

- ❏ *Do not touch the toner. Keep the toner away from your eyes. If toner gets on your skin or clothes, wash it off with soap and water immediately.*

- ❏ *Keep consumable products out of the reach of children.*

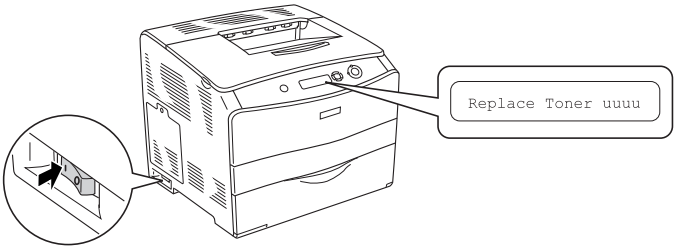
- ❏ *Do not dispose of used consumable products in fire, as they may explode and cause injury. Dispose of them according to local regulations.*

- ❏ *If toner is spilled, use a broom and dustpan or a damp cloth with soap and water to clean it up. Because the fine particles can cause a fire or explosion if they come into contact with a spark, do not use a vacuum cleaner.*

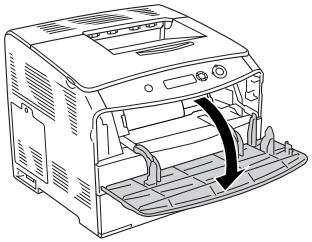
Replacing a toner cartridge

Follow the steps below to replace a toner cartridge.

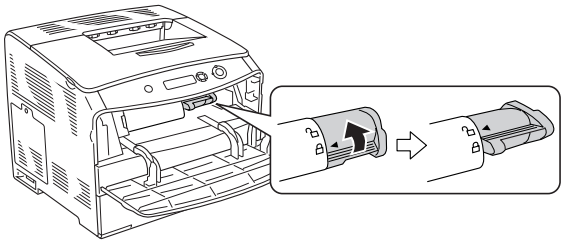
1. Turn the printer on.



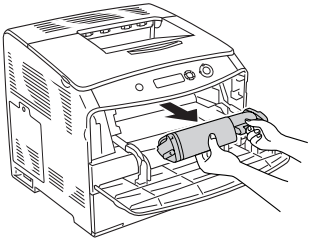
2. Open cover A.



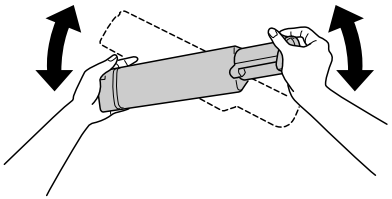
3. Push up the right lever to unlock the toner cartridge.



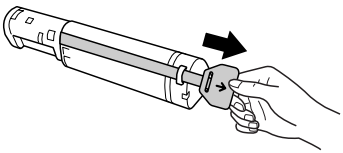
4. Remove the toner cartridge from the printer.



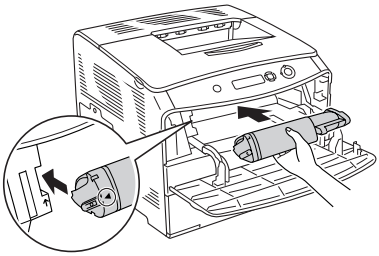
5. Take the new toner cartridge out of its package and gently shake the toner cartridge as shown below.



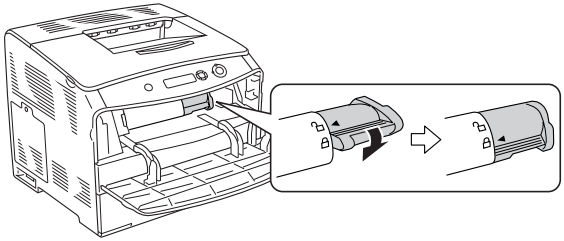
6. Hold the tag and gently pull the toner seal upward and remove it.



7. Insert the cartridge all the way until it stops securely with the arrow mark on the top of the toner cartridge facing toward cover A.

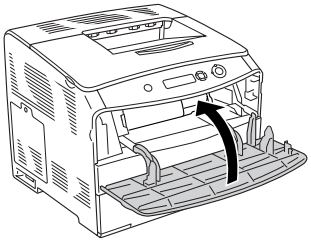


8. Push down the right lever to lock the toner cartridge.



Note:
The toner cartridge is installed securely when the right lever cannot be turned any further. Make sure that the toner cartridge is installed securely.

9. Close cover A.



10. Confirm the error message on the LCD panel. When an other toner cartridge needs to be replaced, an error message is displayed. Repeat steps 3 to 8 and replace the cartridge.

Photoconductor Unit

Handling precautions

Always observe the following handling precautions when replacing the consumable products:

- ❏ The photoconductor unit weighs 3.0 kg (6.6 lb). Be sure to hold it firmly by the handle when carrying it.
- ❏ When replacing the photoconductor unit, avoid exposing it to light any longer than necessary.
- ❏ Be careful not to scratch the surface of the drum and belt. Also, avoid touching the drum, since oil from your skin may permanently damage its surface and affect print quality.
- ❏ To get the best print quality, do not store the photoconductor unit in an area subject to direct sunlight, dust, salty air, or corrosive gases (such as ammonia). Avoid locations subject to extreme or rapid changes in temperature or humidity.
- ❏ Do not tilt the photoconductor unit.

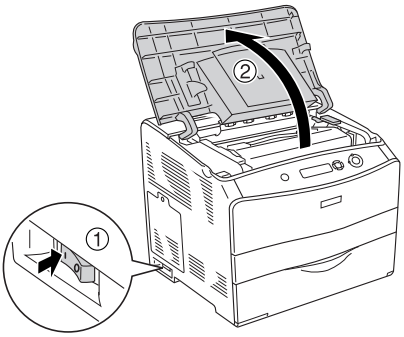
Warning:

- ❏ *Do not dispose of the used consumable products in fire, as they may explode and cause injury. Dispose of them according to local regulations.*
- ❏ *Keep consumable products out of the reach of children.*

Replacing the photoconductor unit

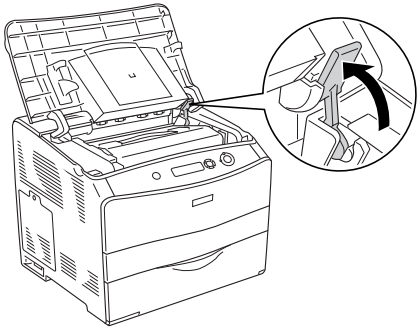
Follow the steps below to replace the photoconductor unit.

1. Turn the printer on, and open cover B.

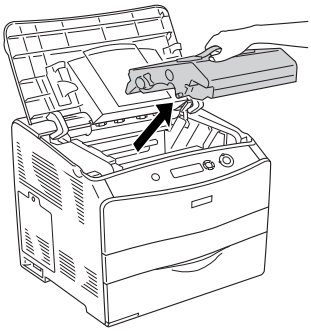


Note:
When installing the optional Duplex Unit, open cover D first, then cover B.

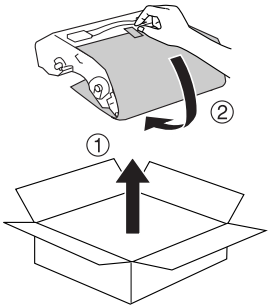
2. Raise the yellow lever inside cover B.



3. Remove the photoconductor unit.

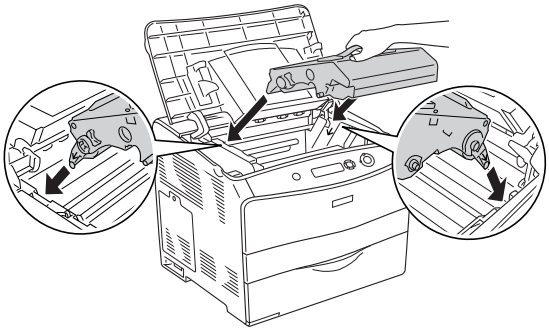


4. Take the new photoconductor unit out of its package and remove the protective sheet.



Caution:
Do not touch the belt on the top of the unit or the blue photo conductor area. Otherwise, the print quality may decrease.

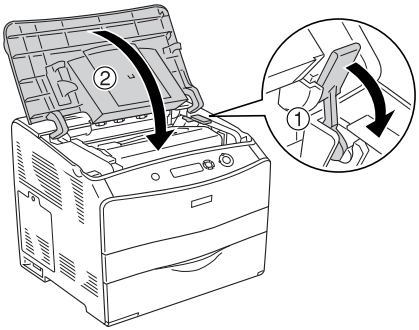
5. Hold the photoconductor unit by its handle, and insert the unit until it clicks shut with aligning the arrow marks on the printer.



Warning:
Be careful not to touch the fuser, which is marked CAUTION HIGH TEMPERATURE. *If the printer has been in use, the fuser may be very hot.*

Caution:
Do not touch the parts inside the printer.

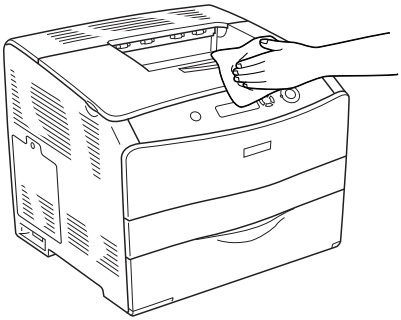
6. Push the yellow lever down, and then close cover B.



Note:
When installing the optional Duplex Unit, close cover D.

Cleaning the Printer

The printer needs only minimal cleaning. If the printer's outer case is dirty or dusty, turn off the printer and clean it with a soft, clean cloth moistened with a mild detergent.



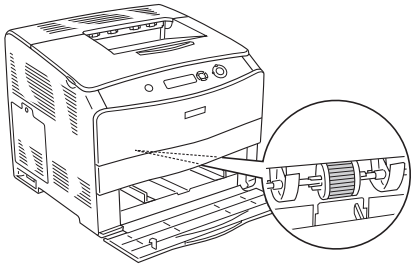
Caution:
Never use alcohol or paint thinner to clean the printer cover. These chemicals can damage the components and the case. Be careful not to get water onto the printer mechanism or any electrical components.

Cleaning the pickup roller

Follow the steps below to clean the pickup roller.

1. Open the MP tray, then remove the loaded paper.

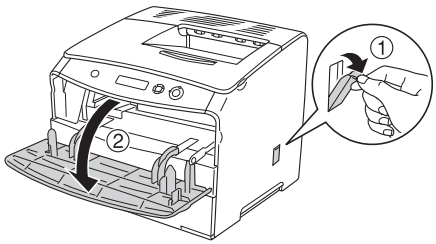
2. Gently wipe the rubber parts of the pickup roller inside the MP tray with a wet, well-wrung cloth.



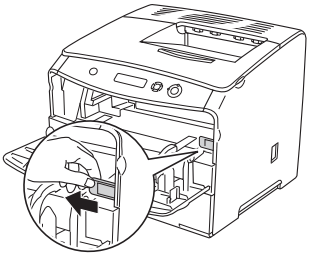
Cleaning the print head

Follow the steps below to clean the printer head.

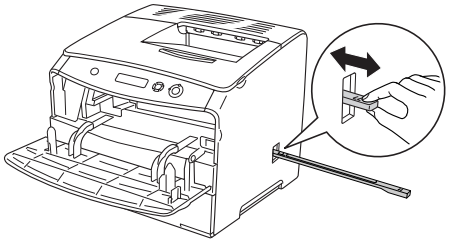
1. Open the cleaner cover on the right side of the printer. Then, open cover A.



2. Pull the blue lever on the right inside of the printer.

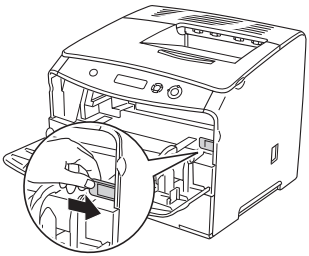


3. Move the blue cleaner slowly in and out once.

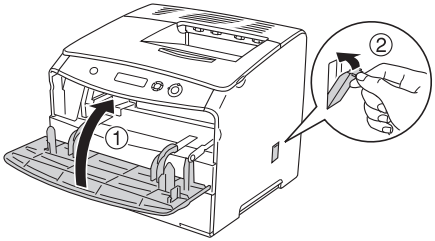


Note:
Move the cleaner completely in and out. Otherwise, the printer may not be cleaned effectively.

4. Push back the blue lever on the right inside of the printer.



5. Close cover A, then the cleaner cover.



Transporting the Printer

For long distances

If you need to transport your printer for long distances, carefully repack it using the original box and packing materials.

Follow the steps below to repack your printer.

1. Turn off the printer and remove the following items:

   - ❏ Power cord
   - ❏ Interface cable
   - ❏ Loaded paper
   - ❏ Photoconductor unit
   - ❏ Installed options

2. Attach the protective materials onto the printer, then repack the printer in its original box.

For short distances

Always pay attention to the following handling precautions when you need to move the printer for short distances.

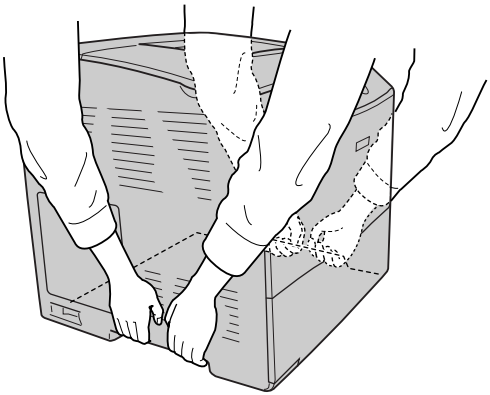
If you are moving the printer on its own, two people should lift and carry the printer.

Follow the steps below to move the printer for short distances.

1. Turn off the printer and remove the following items:

   - ❏ Power cord
   - ❏ Interface cable
   - ❏ Loaded Paper
   - ❏ Photoconductor unit
   - ❏ Installed options

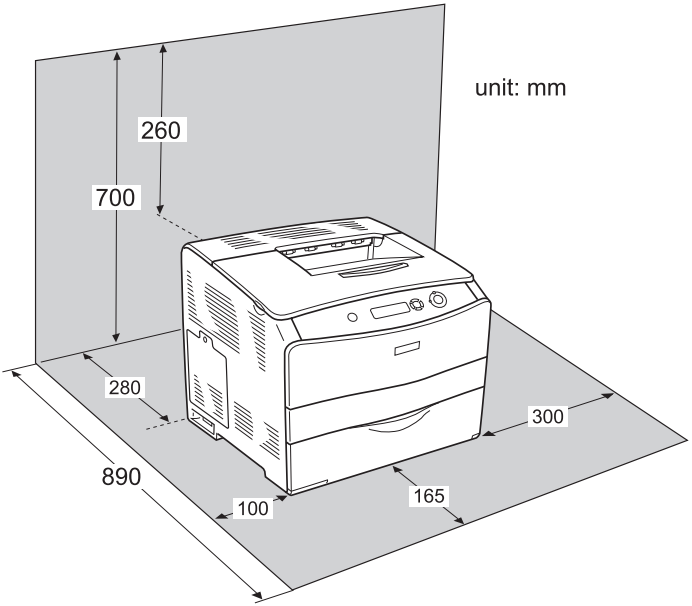
2. Be sure to lift the printer by the correct positions as shown below.



3. When moving the printer, always keep it horizontal.

Finding a place for the printer

When relocating the printer, always choose a location that has adequate space for easy operation and maintenance. Use the following illustration as a guide for the amount of space required around the printer to ensure smooth operation. Dimensions shown in the illustration below are in millimeters.



To install and use any of the following options, you will need the indicated amount of additional space.

The 500-Sheet Paper Cassette Unit adds 130 mm (5.1 in.) to the bottom and 250 mm (9.8 in.) to the front of the printer.

The Duplex Unit adds 120 mm (4.7 in.) to the back of the printer.

In addition to space considerations, always heed the following precautions when finding a place to locate the printer:

- ❏ Place the printer where you can easily unplug the power cord.
- ❏ Keep the entire computer and printer system away from potential sources of interference, such as loudspeakers or the base units of cordless telephones.
- ❏ Avoid using an electrical outlet that is controlled by wall switches or automatic timers. Accidental disruption of power can erase valuable information in your computer's and printer's memory.

Caution:

- ❏ *Leave adequate room around the printer to allow for sufficient ventilation.*
- ❏ *Avoid locations that are subject to direct sunlight, excessive heat, moisture, or dust.*
- ❏ *Avoid using outlets that other appliances are plugged into.*
- ❏ *Use a grounded outlet that matches the printer's power plug. Do not use an adapter plug.*
- ❏ *Only use an outlet that meets the power requirements for this printer.*

Chapter 8

Troubleshooting

Clearing Jammed Paper

If paper becomes jammed in the printer, the printer's LCD panel and EPSON Status Monitor 3 provide alert messages.

Clear the paper jam by following the order of the indicated cover names displayed on the control panel or EPSON Status Monitor 3.

Precautions for clearing jammed paper

Be sure to observe the following points when you clear jammed paper.

- ❏ Do not remove jammed paper by force. Torn paper can be difficult to remove and might cause other paper jams. Pull it gently in order to avoid tearing.
- ❏ Always try to remove jammed paper with both hands to avoid tearing it.
- ❏ If jammed paper is torn and remains in the printer, or if paper is jammed in a place not mentioned in this chapter, contact your dealer.
- ❏ Make sure that the paper type that is loaded is the same as the Paper Type setting in the printer driver.

Warning:

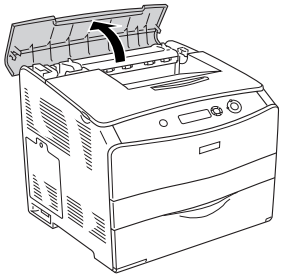
- ❏ *Be careful not to touch the fuser, which is marked* CAUTION HIGH TEMPERATURE, *or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot.*

- ❏ *Do not insert your hand deep into the fuser unit as some components are sharp and may cause injury.*

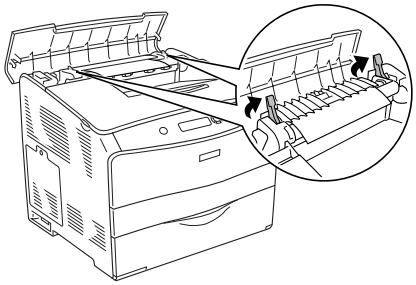
Jam C (cover C)

Follow the steps below to clear paper jams at cover C.

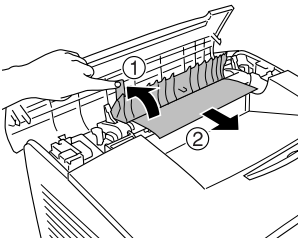
1. Open cover C.



2. Raise the two green levers of the fuser unit to unlock it.

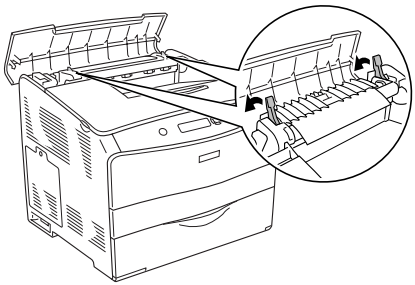


3. Hold the guide up by holding the green tab, and gently pull out any sheets of paper. Be careful not to tear the jammed paper.

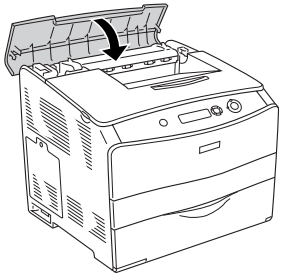


Warning:
Be careful not to touch the fuser, which is marked CAUTION HIGH TEMPERATURE*, or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot.*

4. Push down the two green levers of the fuser unit.



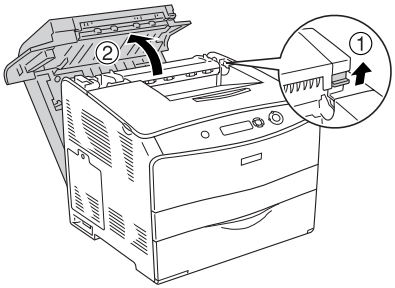
5. Close cover C.



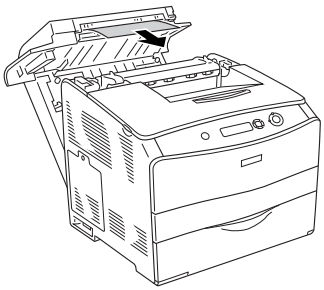
Jam D (cover D)

Follow the steps below to clear paper jams at cover D.

1. Raise the lever and open cover D.

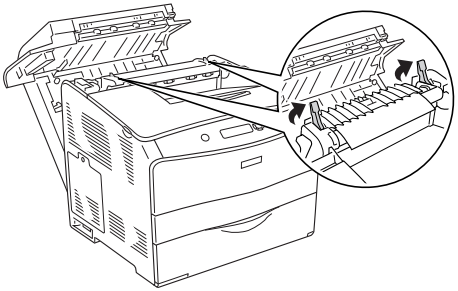


2. Gently pull out any sheets of paper that have fed part way into the printer.

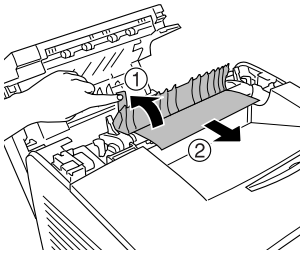


Note:
When jammed paper cannot be found, proceed to the next step.

3. Raise the two green levers of the fuser unit to unlock it.

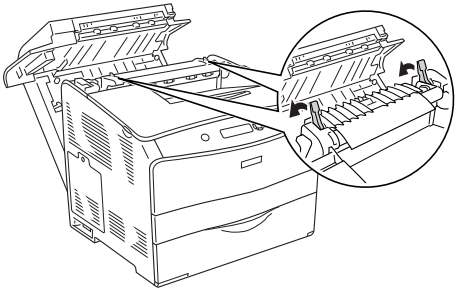


4. Hold the guide up by holding the green tab, and gently pull out any sheets of paper. Be careful not to tear the jammed paper.

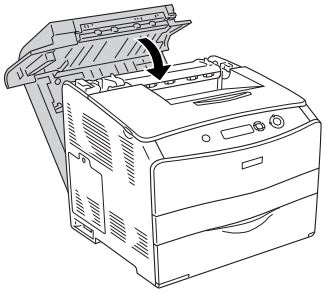


Warning:
Be careful not to touch the fuser, which is marked CAUTION HIGH TEMPERATURE, *or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot.*

5. Pull down the two green levers of the fuser unit.



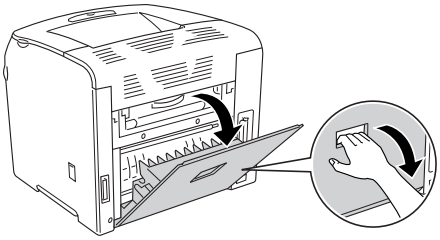
6. Close cover D.



Jam E (cover E)

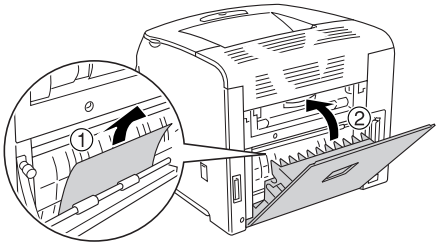
Follow the steps below to clear paper jams at cover E.

1. Open cover E.



Note:
When the optional Duplex Unit is installed, open cover D first.

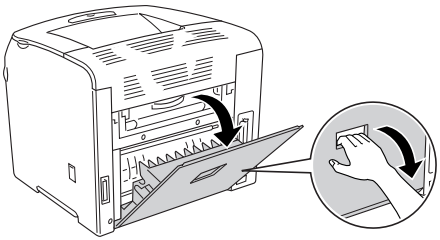
2. Gently pull out any sheets of paper with both hands. Be careful not to tear the jammed paper. Then close cover E.



Jam F (cover F)

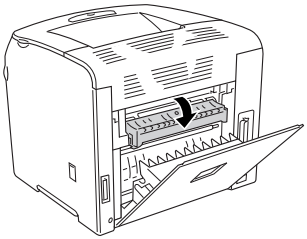
Follow the steps below to clear paper jams at cover F.

1. Open cover E.

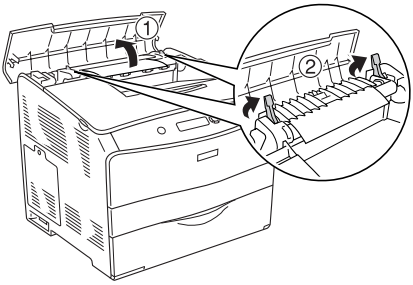


Note:
When the optional Duplex Unit is installed, open cover D first.

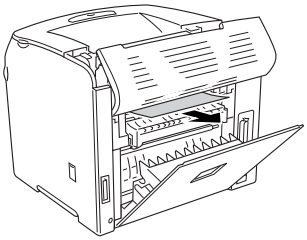
2. Open cover F.



3. Open cover C, then raise the two green levers on the fuser unit to unlock it.

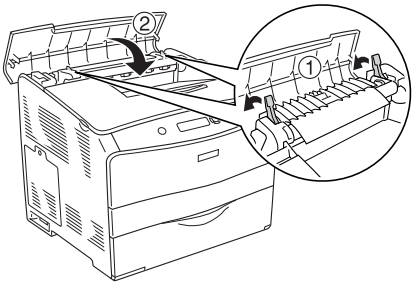


4. Gently pull out any sheets of paper with both hands. Be careful not to tear the jammed paper.

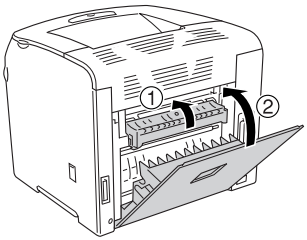


Note:
When hard to see the jammed paper, the jam occurs inside of the printer. In such case, gently pull the paper until the position illustrated as above, then slowly pull out the paper.

5. Pull down the two green levers on the fuser unit, then close cover C.



6. Close cover F, and close cover E.

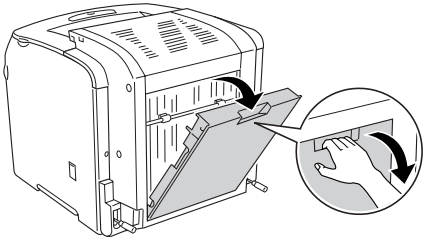


Note:
When the optional Duplex Unit is installed, close cover D last.

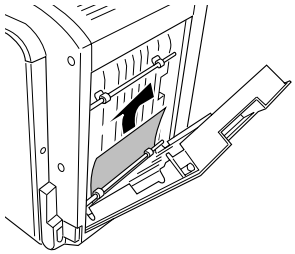
Jam DM (cover DM)

Follow the steps below to clear paper jams at the cover DM.

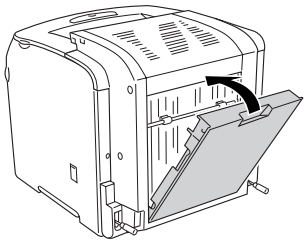
1. Open cover DM.



2. Gently pull out any sheets of paper that have fed part way into the printer.



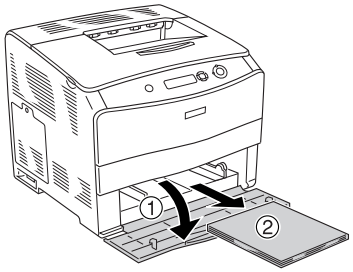
3. Close cover DM.



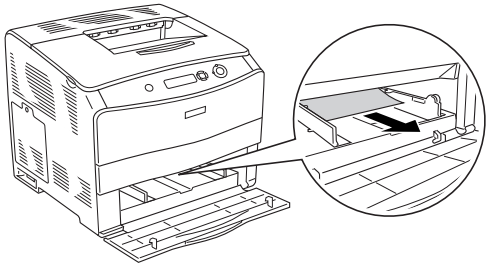
Jam MP (MP tray)

Follow the steps below to clear paper jams at the MP tray.

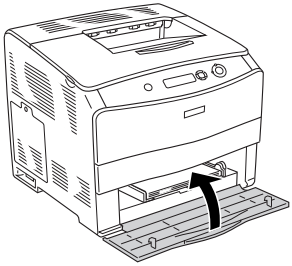
1. Open the MP tray cover and remove all paper that is loaded.



2. Gently pull out any sheets of paper that have fed part way into the printer.



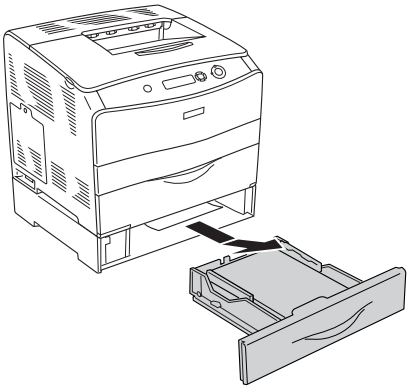
3. Reload the paper and close the MP tray cover.



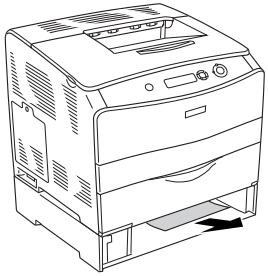
Jam LC (paper cassette)

Follow the steps below to clear paper jams at the optional paper cassette unit. This message is displayed when the optional paper cassette unit is installed.

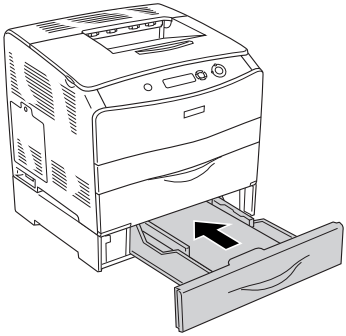
1. Pull out the paper cassette from the optional paper cassette unit.



2. Gently pull out any sheets of paper that have fed part way into the printer.



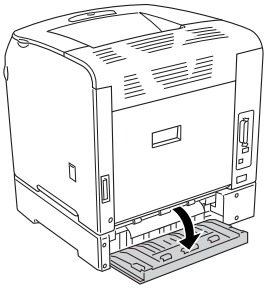
3. Reinsert the paper cassette.



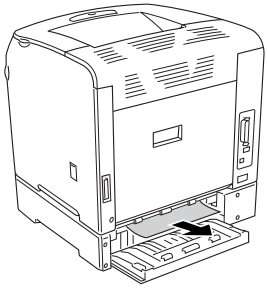
Jam G (cover G)

Follow the steps below to clear paper jams at cover G. This message is displayed when the optional paper cassette unit is installed.

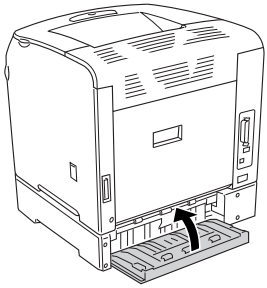
1. Open cover G.



2. Gently pull out any sheets of paper with both hands. Be careful not to tear the jammed paper.



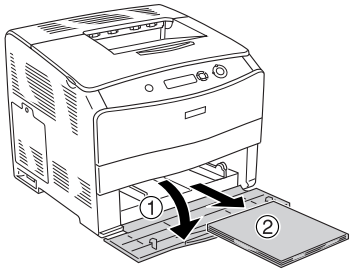
3. Close cover G.



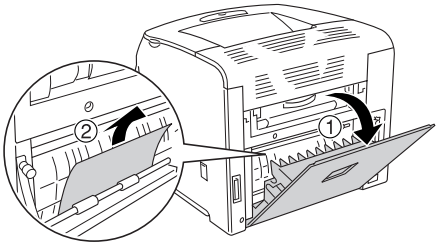
When transparencies are jammed at the MP tray

When transparencies are jammed, follow the steps to clear the jam.

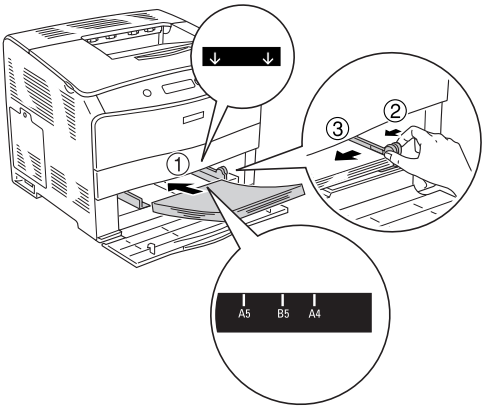
1. Open the MP tray cover and remove all paper that is loaded.



2. Open cover E. Then, gently pull out any sheets of paper with both hands. Be careful not to tear the jammed paper.



3. Reload the transparencies into the MP tray.



4. Close cover E.

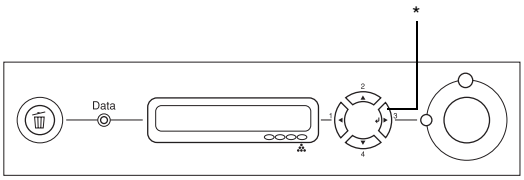
Printing a Status Sheet

To confirm the current status of the printer, and that the options are installed correctly, print a status sheet using the printer's control panel.

Follow the steps below to print a status sheet.

1. Turn on the printer. The LCD panel shows `Ready`.

2. Press the ↵ Enter button three times. The printer prints a status sheet.



* Enter button

3. Confirm that the information about the installed options is correct. If the options are installed correctly, they appear under Hardware Configurations. If the options are not listed, try reinstalling them.

Note:

- ❏ *If the status sheet does not list your installed options correctly, make sure that they are securely connected to the printer.*

- ❏ *If you are unable to get the printer to print a correct status sheet, contact your dealer.*

- ❏ *For the Windows printer driver, you can update the installed option information manually. See "Making Optional Settings" on page 62.*

Operational Problems

The Ready light does not turn on

Cause	What to do
The power cord may not be properly plugged into the electrical outlet.	Turn off the printer, check the power cord connections between the printer and the electrical outlet, then turn the printer back on.
The electrical outlet may be controlled by an outside switch or an automatic timer.	Make sure that the switch is turned on or plug another electrical device into the outlet to check whether the outlet is operating properly.

The printer does not print (Ready light off)

Cause	What to do
The printer is offline.	Press the ○ Start/Stop button once to switch the printer to ready status.

The Ready light is on but nothing prints

Cause	What to do
Your computer may not be properly connected to the printer.	Perform the procedure described in "Connecting the Printer to a Computer" in the *Setup Guide*.
The interface cable may not be plugged in securely.	Check both ends of the interface cable between the printer and the computer. If you are using the parallel interface, be sure to secure the connector using the wire retaining clips.
You may not be using the correct interface cable.	If you are using the parallel interface, make sure that the cable is a double-shielded, twisted-pair interface cable no more than six feet in length. If you are using the USB interface, use a Revision 2.0 cable.
Your application software is not properly set up for your printer.	Make sure that the printer is selected in your application software.
Your computer system's memory is too small to handle the volume of data in your document.	Try reducing the image resolution of your document in the application software, or install more memory in your computer if you can.

The optional product is not available

Cause	What to do
If you are using Windows, and EPSON Status Monitor 3 is not installed.	For Windows users: You have to make settings manually in the printer driver. See "Making Optional Settings" on page 62. For Macintosh users: When you have attached or removed printer options, you need to delete the printer using Print Setup Utility (for Mac OS X 10.3), Print Center (for Mac OS X 10.2 or below), or Chooser (for Mac OS 9), and then re-register the printer.

Sharing Problems

Network printers cannot be monitored in a Windows 95 environment

Cause	What to do
Your printer is in the sleep mode.	Close the printer driver and EPSON Status Monitor 3, then restart EPSON Status Monitor 3.

Printout Problems

Printout is garbled

Cause	What to do
The interface cable may not be plugged in securely.	Make sure that both ends of the interface cable are plugged in securely.
You may not be using the correct interface cable.	If you are using the parallel interface, make sure that the cable is a double-shielded, twisted-pair interface cable no more than six feet in length. If you are using the USB interface, use a Revision 2.0 cable.

Note:
If a status sheet does not print correctly, your printer may be damaged. Contact your dealer or a qualified service representative.

Color Printing Problems

Cannot print in color

Cause	What to do
Black is selected as the Color setting in the printer driver.	Change this setting to Color.
The color setting in the application you are using is not appropriate for color printing.	Make sure that the settings in your application are appropriate for color printing.

The printout color differs when printed from different printers

Cause	What to do
Printer driver default settings and color tables vary by printer model.	Set the gamma setting to 1.8 in the More Settings dialog box in the printer driver, then print again. If you still do not get the printouts you expect, adjust the color using the slide bar for each color. For details about the More Settings dialog box, see "Customizing print settings" on page 45 for Windows, or see "Customizing print settings" on page 93 for Macintosh.

The color looks different from what you see on the computer screen

Cause	What to do
Printed colors do not exactly match the colors on your monitor, since printers and monitors use different color systems: monitors use RGB (red, green, and blue), while printers typically use CMYK (cyan, magenta, yellow, and black).	Although it is difficult to match colors perfectly, selecting the printer driver's ICM setting (for Windows XP, Me, 98, 95, 2000, or Server 2003) or ColorSync setting (for Macintosh) can improve color matching between different devices. For details, see "Using the predefined settings" on page 43 for Windows, and "Using the predefined settings" on page 90 for Macintosh.
For Macintosh, the System Profile setting is not in use.	To apply ColorSync properly, your input device and the application must support ColorSync, and a System Profile must be used for your monitor.
PhotoEnhance4 may be selected in the printer driver.	The PhotoEnhance 4 feature corrects the contrast and brightness of the original image data, and so may not be suitable for printing vivid images.

Print Quality Problems

The background is dark or dirty

Cause	What to do
You may not be using the correct type of paper for your printer.	If the surface of your paper is too rough, printed characters may appear distorted or broken. EPSON special paper, or smooth, high-quality copier paper is recommended for best results. See "Available paper types" on page 233 for information on choosing paper.
The paper path inside the printer may be dusty.	Clean internal printer components by printing three pages with only one character per page.

White dots appear in the printout

Cause	What to do
The paper path inside the printer may be dusty.	Turn off the printer. Clean internal printer components by printing three pages with only one character per page.

Print quality or tone is uneven

Cause	What to do
Your paper may be moist or damp.	Do not store paper in a humid or damp environment.
The print head is dirty.	See "Cleaning the print head" on page 170 and clean the print head.
There may be no toner left in the toner cartridge.	If the message on the LCD panel or in EPSON Status Monitor 3 indicates that the amount of toner left is low, replace the toner cartridge. See "Toner Cartridge" on page 161.
There may be a problem with the photoconductor unit.	Replace the photoconductor unit. See "Photoconductor Unit" on page 165.

Half-tone images print unevenly

Cause	What to do
Your paper may be moist or damp.	Do not store paper in a humid or damp environment. Be sure to use paper that is newly unwrapped.
The gradation setting is too small when printing graphics.	On the Basic Setting menu in the printer driver, click More Settings, adjust the gradation setting by sliding the Contrast slider bar.
There may be no toner left in the toner cartridge.	If the message on the LCD panel or in EPSON Status Monitor 3 indicates that the amount of toner is low, replace the toner cartridge. See "Toner Cartridge" on page 161.

Cause	What to do
There may be a problem with the photoconductor unit.	Replace the photoconductor unit. See "Photoconductor Unit" on page 165.
The print head is dirty.	See "Cleaning the print head" on page 170 and clean the print head.

Toner smudges

Cause	What to do
Your paper may be moist or damp.	Do not store your paper in a humid or damp environment.
You may not be using the correct type of paper for your printer.	Epson special paper or smooth, high-quality copier paper is recommended for best results. See "Available paper types" on page 233 for information on choosing paper.
The paper path inside the printer may be dusty.	Clean internal printer components by printing three pages with only one character per page.
There may be a problem with the photoconductor unit.	Replace the photoconductor unit. See "Photoconductor Unit" on page 165.

Areas are missing in the printed image

Cause	What to do
Your paper may be moist or damp.	This printer is sensitive to moisture absorbed by the paper. The higher the moisture content in the paper, the lighter the printout. Do not store paper in a humid or damp environment.
You may not be using the correct type of paper for your printer.	If the surface of your paper is too rough, printed characters may appear distorted or broken. Epson special paper or smooth, high-quality copier paper is recommended for best results. See "Available paper types" on page 233 for information on choosing paper.

Completely blank pages are output

Cause	What to do
The printer may have loaded more than one sheet at a time.	Remove the paper stack and fan it. Tap it on a flat surface to even the edges, then reload the paper.
There may be no toner left in the toner cartridge.	If the message on the LCD panel or in the Epson Status Monitor 3 indicates that the amount of toner is low, replace the toner cartridge. See "Toner Cartridge" on page 161.
The problem may be with your application, interface cable, or printer.	Confirm the application setting and interface connection, and print out a status sheet. See "Printing a Status Sheet" on page 193. If a blank page is ejected, the problem may be with the printer. Turn off the printer and contact your dealer.

Cause	What to do
The Paper Size setting may be incorrect.	Make sure the correct paper size is set in the Tray Menu on the control panel.
There may be a problem with the photoconductor unit.	Replace the photoconductor unit. See "Photoconductor Unit" on page 165.

The printed image is light or faint

Cause	What to do
Your paper may be moist or damp.	Do not store your paper in a humid or damp environment.
The Toner Save mode may be on.	Turn off the Toner Save mode using the printer driver.
There may be no toner left in the toner cartridge.	If the message on the LCD panel or in EPSON Status Monitor 3 indicates that the amount of toner left is low, replace the toner cartridge. See "Toner Cartridge" on page 161.
There may be a problem with the photoconductor unit.	Replace the photoconductor unit. See "Photoconductor Unit" on page 165.
The print head is dirty.	See "Cleaning the print head" on page 170 and clean the print head.

The non-printed side of the page is dirty

Cause	What to do
Toner may have spilled onto the paper feed path.	Clean internal printer components by printing three pages with only one character per page.

Memory Problems

Print quality decreased

Cause	What to do
The printer cannot print at the required quality level because of insufficient memory, and the printer lowers the quality automatically so that the printer can continue printing.	Check to see if the printout is acceptable. If not, add more memory for a permanent solution or lower print quality temporarily in the printer driver.

Insufficient memory for current task

Cause	What to do
The printer has insufficient memory for current task.	Add more memory for a permanent solution or lower print quality temporarily in the printer driver.

Insufficient memory to print all copies

Cause	What to do
The printer does not have sufficient memory to collate print jobs.	Only one set of copies will be printed. Reduce the contents of print jobs, or add more memory. For information on installing more memory, see "Memory Module" on page 155.

Paper Handling Problems

Paper does not feed properly

Cause	What to do
The paper guides are not set correctly.	Make sure that the paper guides in all the paper cassettes are set in the correct paper size positions.
The paper source setting may not be correct.	Make sure that you have selected the correct paper source in your application.
There may be no paper in the cassettes.	Load paper into the selected paper source.
The size of loaded paper differs from the control panel setting.	Make sure that the correct paper size is set in the control panel's `Paper Source` and `MP Tray Size` settings.
Too many sheets may be loaded in the MP tray or paper cassettes.	Make sure that you have not tried to load too many sheets of paper. For the maximum paper capacity for each paper source, see "MP tray" on page 23.
The paper that is loaded is curled.	Straighten the paper.
If paper does not feed from the optional paper cassette unit, the unit may not be installed properly.	For instructions on installing the unit, see "Optional Paper Cassette Unit" on page 146.

Problems Using Options

To confirm your options are installed correctly, print a status sheet. See "Printing a Status Sheet" on page 193 for details.

Paper does not feed from the optional paper cassette

Cause	What to do
The optional paper cassette may not be installed properly.	See "Optional Paper Cassette Unit" on page 146 for instructions on installing an optional paper cassette unit.
The paper source setting may not be correct.	Make sure you have selected the proper paper source in your application.
There may be no paper in the paper cassette.	Load paper into the selected paper source.
Too many sheets may be loaded in the paper cassette.	Make sure that you have not tried to load too many sheets of paper into the cassette. The cassette can hold a maximum of 500 sheets of 64 to 105 g/m² paper.
The paper size is not set correctly.	Make sure that the correct paper size is selected in the Tray Menu on the control panel.

Feed jam when using the optional paper cassette

Cause	What to do
The paper is jammed at the optional paper cassette.	See "Clearing Jammed Paper" on page 176 to clear jammed paper.

An installed option cannot be used

Cause	What to do
The installed option is not defined in the printer driver.	For Windows users: See "Making Optional Settings" on page 62 to make settings in the printer driver. For Macintosh users: When you have attached or removed printer options, you need to delete the printer using Print Setup Utility (for Mac OS X 10.3), Print Center (for Mac OS X 10.2 or below), or Chooser (for Mac OS 9), and then re-register the printer.

Correcting USB Problems

If you are having difficulty using the printer with a USB connection, see if your problem is listed below, and take any recommended actions.

USB connections

USB cables or connections can sometimes be the source of USB problems. Try one or both of these solution.

- ❏ For best results, you should connect the printer directly to the computer's USB port. If you must use multiple USB hubs, we recommend that you connect the printer to the first-tier hub.

Windows operating system

Your computer must be a model pre-installed with Windows XP, Me, 98, 2000, or Server 2003, a model that was pre-installed with Windows 98 and upgraded to Windows Me, or a model that was pre-installed with Windows Me, 98, 2000, or Server 2003, and upgraded to Windows XP. You may not be able to install or run the USB printer driver on a computer that does not meet these specifications or that is not equipped with a built-in USB port.

For details about your computer, contact your dealer.

Printer software installation

Incorrect or incomplete software installation can lead to USB problems. Take note of the following and perform the recommended checks to ensure proper installation.

Checking printer software installation for Windows 2000, XP, or Server 2003

When using Windows XP, 2000, or Server 2003, you must follow the steps in the *Setup Guide* packed with the printer to install the printer software. Otherwise, Microsoft's Universal driver may be installed instead. To check if the Universal driver has been installed follow the steps below.

1. Open the Printers folder, then right-click the icon of your printer.

2. Click Printing Preferences on the shortcut menu that appears, then right-click anywhere in the driver.

   If About is displayed in the shortcut menu that appears, click it. If a message box with the words "Unidrv Printer Driver" appears, you must reinstall the printer software as described in the *Setup Guide*. If About is not displayed, the printer software has been installed correctly.

Note:
For Windows 2000, if the Digital Signature Not Found dialog box appears during the installation process, click Yes. *If you click* No, *you will have to install the printer software again.*
For Windows XP or Server 2003, if the Software Installation dialog box appears during the installation process, click Continue Anyway. *If you click* STOP Installation, *you will have to install the printer software again.*

Checking printer software in Windows Me and 98

If you canceled the plug-and-play driver installation in Windows Me or 98 before the procedure was complete, the USB printer device driver or the printer software may be incorrectly installed. Follow the directions below to ensure that the driver and printer software are installed correctly.

Note:
The screen shots shown in this section are taken from Windows 98. Windows Me screens may differ slightly.

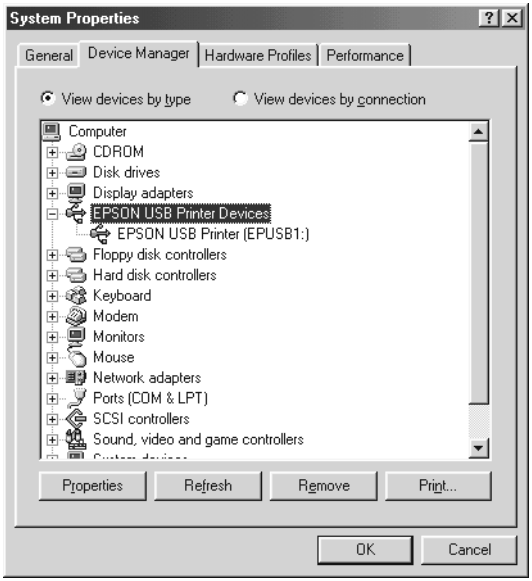
1. Access the printer driver, see "Accessing the printer driver" on page 40, then click the Details tab.

If EPUSBX: (EPSON AcuLaser C1100) is displayed in the "Print to the following port" list, then the USB printer device driver and printer software are installed correctly. If the correct port is not displayed, proceed to the next step.

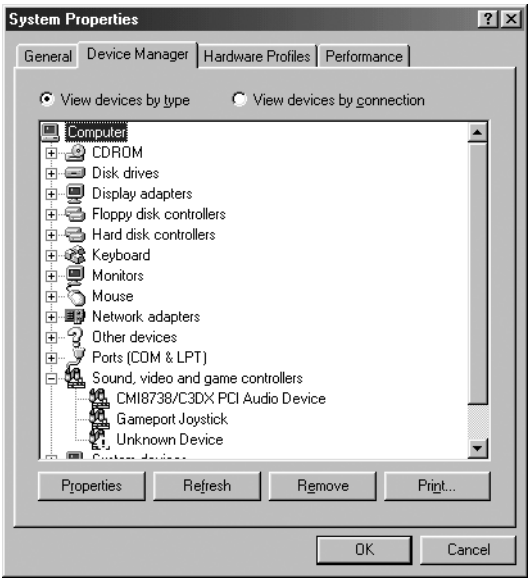
2. Right-click the My Computer icon on your desktop, then click Properties.

3. Click the Device Manager tab.

   If your drivers are correctly installed, EPSON USB Printer Devices should appear on the Device Manager menu.



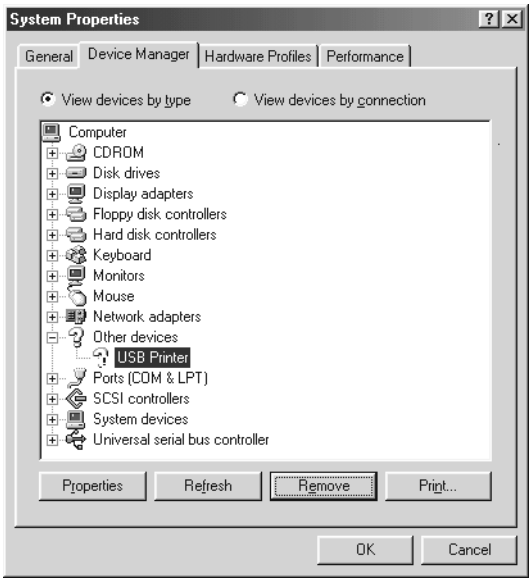
If EPSON USB Printer Devices does not appear on the Device Manager menu, click the plus(+) sign beside Other devices to view the installed devices.



If USB Printer or EPSON AcuLaser C1100 appears under Other devices, the printer software is not installed correctly. Proceed to step 5.

If neither USB Printer nor EPSON AcuLaser C1100 appears under Other devices, click Refresh or unplug the USB cable from the printer, then plug it into the printer again. Once you've confirmed that these items appear, proceed to step 5.

4. Under Other devices, select USB Printer or EPSON AcuLaser C1100, click Remove, then click OK.



When the following dialog box appears, click OK, then click OK to close the System Properties dialog box.

5. Uninstall the printer software as explained in "Uninstalling the Printer Software" on page 81. Turn the printer off, restart your computer, then reinstall the printer software as described in the *Setup Guide*.

Status and Error Messages

This section contains a list of error messages shown on the LCD panel. They give a brief description of each message and suggestions for correcting the problem. Note that not every message shown on the LCD panel indicates a problem. When the ▲▼ mark is displayed at the left of the warning message, multiple warnings occur. To confirm all warnings that occur, press the ▼ Down button to display the Status Menu, then press the Enter button.

Calibrating Printer

The printer automatically calibrates itself. This is not an error message, and will clear itself after about one minute or more depending on the status of the printer. While the printer displays this message, do not open the covers or turn off the printer.

Cancel All Print Job

The printer is canceling all print jobs in the printer memory, including jobs the printer is currently receiving or printing. This message appears when the Cancel Job button has been pressed down for more than 2 seconds.

Cancel Print Job

The printer is canceling the current print job. This message appears when the Cancel Job button has been pressed and released within 2 seconds.

Can't Print

The print data is deleted because it is incorrect.

Make sure that the appropriate printer driver is used.

Can't Print Duplex

The printer has encountered problems during duplex printing. Make sure you are using an appropriate type and size of paper for the Duplex Unit. The problem could also be a result of incorrect settings for the paper source you are using. Pressing the ○ Start/Stop button will print the rest of the print job on only one side of the paper. Press the 🗑 Cancel Job button to cancel the print job.

Check Transparency

You have loaded media other than transparencies when the Paper Type setting in the printer driver is Transparency, or transparencies are loaded when the Paper Setting in the printer driver is not set to Transparency. Paper is jammed at the MP tray.

To clear the jam, see "When transparencies are jammed at the MP tray" on page 191.

Check Paper Size

The paper size setting is different from the size of paper loaded in the printer. Check to see if the correct size of paper is loaded in the specified paper source.

To clear this error, select `Clear Warning` from the control panel's Reset Menu. See "How to access the control panel menus" on page 247 for instructions.

Check Paper Type

The media loaded in the printer does not match the paper type setting in the printer driver. Media that matches only the paper size setting will be used for printing.

To clear this error, select `Clear Warning` from the control panel's Reset Menu. See "How to access the control panel menus" on page 247 for instructions.

Color Unmatched

The colors on your computer do not match the colors output by the printer. The version of the driver that is installed and the model of the printer's color screen are not compatible. Install the latest version of the printer driver and printer firmware. For details, contact your dealer or service agent.

Duplex Mem Overflow

There is not enough memory for duplex printing. The printer prints only on the front and ejects the paper. To clear this error, follow the instructions below.

If `Off` is selected as the Auto Cont setting on the control panel's Setup Menu, press the ○ Start/Stop button to print on the back of the next sheet, or press the 🗑 Cancel Job button to cancel the print job.

If `On` is selected as the Auto Cont setting on the control panel's Setup Menu, printing continues automatically after a certain period of time.

Form Feed

The printer is ejecting paper due to a user request. This message appears when pressing the ○ Start/Stop button once to take the printer offline, then holding down the ○ Start/Stop button for more than 2 seconds in order not to receive a form feed command.

Image Optimum

There is insufficient memory to print the page at the specified print quality. The printer automatically lowers the print quality so that it can continue printing. If the quality of the printout is not acceptable, try simplifying the page by limiting the number of graphics or reducing the number and size of fonts.

To clear this error, select `Clear Warning` from the control panel's Reset Menu. See "How to access the control panel menus" on page 247 for instructions.

You may need to increase the amount of printer memory to be able to print at the desired print quality for your document. For more information on adding memory, see "Memory Module" on page 155.

Install Photocondctr

There is no photoconductor unit installed or the photoconductor unit is not installed properly. Install the photoconductor unit if it is not installed.

If a photoconductor unit is already installed, open cover B. Raise the yellow lever and remove the photoconductor unit, then reinstall it correctly. Then close cover B. The error clears automatically if the photoconductor unit is installed correctly.

Install uuuu TnrCart

The indicated toner cartridges are not installed in the printer. (The letters C, M, Y, or K appear in place of uuuu and indicate the colors Cyan, Magenta, Yellow, and Black respectively.)

Install the indicated cartridges. See "Toner Cartridge" on page 161.

Invalid Data

The spool file on the driver is deleted while printing or the data is abnormal. Press the ○ Start/Stop button to clear the error.

Invalid N/W Module

There is no network program, or the network program cannot be used with your printer. Contact a qualified service representative.

Irregular Density

The density of the print data is too high to print. Turn off the printer and remove jammed paper.

Jam WWWWW

The location where the paper jam occurred is displayed at WWWWW. WWWWW indicates the location of the error.

If a paper jam occurs at two or more locations simultaneously, the corresponding multiple locations are displayed.

Location	Description
Jam C	Paper is jammed at cover C. For instructions on how to remove jammed paper at cover C, see "Jam C (cover C)" on page 177.
Jam D	Paper is jammed inside the optional Duplex Unit. For instructions on how to remove jammed paper at the Duplex Unit, see "Jam D (cover D)" on page 179.
Jam E	Paper is jammed at cover E. For instructions on how to remove jammed paper at cover E, see "Jam E (cover E)" on page 182.
Jam F	Paper is jammed at cover F. For instructions on how to remove jammed paper at cover F, see "Jam F (cover F)" on page 183.
Jam DM	Paper is jammed at cover DM of the optional Duplex Unit. For instructions on how to remove jammed paper at cover DM, see "Jam DM (cover DM)" on page 186.
Jam MP	Paper is jammed at the MP tray. For instructions on how to remove jammed paper at the MP tray, see "Jam MP (MP tray)" on page 187.
Jam LC	Paper is jammed at the paper cassette. For instructions on clearing this type of paper jam, see "Jam LC (paper cassette)" on page 188.
Jam G	Paper is jammed at cover G. For instructions on how to remove jammed paper at cover G, see "Jam G (cover G)" on page 189.

Manual Duplex

Printer stops because the printing on one side of the paper is finished in the manual duplex mode. Reload the paper that has been printed on the one side into the MP tray and press ○ Start/Stop button.

Manual Feed ssss

The manual feed mode is specified for the current print job. Make sure the paper size indicated by ssss is loaded, then press the ○ Start/Stop button.

Mem Overflow

The printer has insufficient memory to execute the current task. Press the ○ Start/Stop button on the control panel to resume printing, or press the 🗑 Cancel Job button to cancel the print job.

Menus Locked

This message appears if you try to change the printer's settings through the control panel when the buttons are locked. You can unlock them by using the Network utility. Refer to the *Network Guide* for information.

NonGenuine Toner

The installed toner cartridge is not a genuine Epson product. Installing a genuine toner cartridge is recommended. Using a non-genuine toner cartridge may affect print quality. Epson shall not be liable for any damages or problems arising from the use of consumable products not manufactured or approved by Epson.

Install a genuine Epson product, or perform Clear Warning or Clear All Warnings on the Reset Menu on the control panel to clear the warning message. See "Toner Cartridge" on page 161 for instructions on replacing the toner cartridge.

NonGenuine Toner uuuu

The installed toner cartridge is not an genuine Epson toner cartridge. Using a non-genuine toner cartridge may affect print quality. Epson shall not be liable for any damages or problems arising from the use of consumable products not manufactured or approved by Epson. Installing a genuin toner cartridge is recommended. Press the ○ Start/Stop button on the control panel to resume printing.

Offline

The printer is not ready to print. Press the ○ Start/Stop button. In this mode, the remaining amount of the toner cartridge for each color is displayed in seven levels.

Optional RAM Error

The optional memory module may be corrupted or incorrect. Replace it with a new one.

Paper Out tttt sssss

There is no paper in the specified paper source (`tttt`). Load paper of the size (`sssss`) into the paper source.

Paper Set tttt sssss

The paper loaded in the specified paper source (`tttt`) does not match the required paper size (`sssss`). Replace the loaded paper with the correct size paper and press the ○ Start/Stop button to resume printing, or press the 🗑 Cancel Job button to cancel the print job.

If you press the ○ Start/Stop button without replacing the paper, the printer will print on the loaded paper even though it does not match the required size.

Photocondctr Trouble

A read/write error has occurred for the photoconductor unit. Remove the photoconductor unit and reinsert it. If that fails to clear the error, replace the photoconductor unit. To install the photoconductor unit. See "Photoconductor Unit" on page 165.

Please Wait

The toner cartridge to be replaced is moving to the replacement position in the printer.

Print Overrun

The required time to process the print data exceeded the print engine speed because the current page is too complex. Press the ○ Start/Stop button to resume printing, or press the 🗑 Cancel Job button to cancel the print job. If this message appears again, select Avoid Page Error on the printer driver.

If you continue to receive this message when printing a particular page, try simplifying the page by limiting the number of graphics or reducing the number and size of fonts.

You can also add more memory to the printer as described in "Memory Module" on page 155.

RAM CHECK

The printer is checking the RAM.

Ready

The printer is ready to receive data and print.
In this mode, the remaining amount of the toner cartridge for each color is displayed in seven levels.

Remove Photoconductr

When setting up the printer, the photoconductor unit was installed before all toner cartridges were installed.

Open cover B, remove the photoconductor unit, then close cover B.

Replace Photoconductr

The photoconductor has reached the end of its service life. Replace the photoconductor unit with a new one. See "Photoconductor Unit" on page 165 for instructions.

The error clears automatically after you replace the unit and close all printer covers. The photoconductor service life counter is reset automatically.

When the error light is blinking, you can continue printing by pressing the ○ Start/Stop button. However, the print quality is not guaranteed from then on.

Replace Toner uuuu

The Toner cartridge for the indicated color has reached the end of its service life. Replace the cartridge with a new one.

The error clears automatically after you replace the cartridge and close all printer covers. The toner cartridge service life counter is reset automatically.

Reset

The printer's current interface has been reset and the buffer has been cleared. However, other interfaces are still active and retain their settings and data.

Reset All

All printer settings have been reset to the default configuration, or to the last settings that were saved.

Reset to Save

A control panel menu setting was changed while the printer was printing. Press the ○ Start/Stop button to clear this message. The setting will become effective after printing has finished. Alternatively you can clear this message by performing Reset or Reset All on the control panel. However, the print data will be deleted.

ROM CHECK

The printer is checking the ROM.

Self Test

The printer is currently performing a self test and initialization.

Service Req Cffff

A controller error or a print engine error has been detected. Turn off the printer. Wait at least 5 seconds, then turn it back on. If the error message still appears, write down the error number listed on the LCD panel (Cffff), turn off the printer, unplug the power cord, then contact a qualified service representative.

TonerCart Error uuuu

A read/write error has occurred for the indicated toner cartridges (The letters C, M, Y, or K appear in place of uuuu and indicate the colors Cyan, Magenta, Yellow, and Black respectively.). Remove the toner cartridges and reinsert them. If that fails to clear the error, replace the toner cartridges.

To install the indicated cartridges. See "Toner Cartridge" on page 161.

Unable Clear Error

The printer cannot clear an error message because the error status still remains. Try solving the problem again.

uuuu Toner Low

This message indicates that the toner cartridge for the indicated color is near the end of its service life. Prepare a new toner cartridge.

Warming Up

The printer is warming up the machine to be ready to print.

Worn Fuser

This message indicates that the fuser unit has reached the end of its service life. Prepare a new fuser unit.

Worn Photoconductor

This message indicates that the photoconductor unit has reached the end of its service life. Printing after this message appears is not guaranteed. Turn the printer off, then replace the photoconductor unit with a new one. See "Photoconductor Unit" on page 165 for instructions. The error clears automatically after you replace the unit and close the printer covers.

Worn uuuu Dev Unit

The developer unit for the indicated color has reached the end of its service life. You can print after this message appears, but it is recommended to replace the developer unit. Contact your dealer and prepare a new developer unit.

Write Error ROM P

The printer is unable to write data to the ROM module correctly. You cannot remove the ROM P because the ROM P is a program ROM module. Contact your dealer.

Writing ROM P

The printer is writing data into the ROM module in the ROM slot P.

Wrong Photoconductr

An inappropriate photoconductor unit is installed. Install only the photoconductor unit listed in "Consumable products" on page 19.

See "Photoconductor Unit" on page 165 for instructions on replacing the photoconductor unit.

Wrong Toner uuuu

An inappropriate toner cartridge is installed. Install only the toner cartridge listed in "Consumable products" on page 19.

See "Toner Cartridge" on page 161 for instructions on replacing the toner cartridge. (The letters C, M, Y, or K appear in place of uuuu and indicate the colors Cyan, Magenta, Yellow, and Black respectively.)

wwww Open

The specified cover (wwww) does not close securely. Open the cover once, then close it.

Canceling Printing

You can cancel printing from your computer by using the printer driver.

To cancel a print job before it is sent from your computer, see "Canceling Printing" on page 80 (for Windows) or "Canceling Printing" on page 120 (for Macintosh).

Using the Cancel Job button

The 🗑 Cancel Job button on your printer is the quickest and easiest way to cancel printing. Pressing this button cancels the currently printing job. Pressing the 🗑 Cancel Job button for more than two seconds deletes all jobs from the printer memory, including jobs the printer is currently receiving or printing.

Using the Reset menu

Selecting `Reset` from the control panel's Reset Menu stops printing, clears the print job being received from the active interface, and clears errors that may have occurred at the interface.

Follow the steps below to use the Reset Menu.

1. Press the ⏎ Enter button to access the control panel menus.
2. Press the ▼ Down button several times until `Reset Menu` appears on the LCD panel, then press the ⏎ Enter button.
3. Press the ▼ Down button several times until `Reset` is displayed.
4. Press the ⏎ Enter button. Printing is canceled. The printer is ready to receive a new print job.

Contacting Customer Support

If your Epson product is not operating properly and you cannot solve the problem using the troubleshooting information in your product documentation, contact customer support services for assistance. If customer support for your area is not listed below, contact the dealer where you purchased your product.

Customer 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

	Website information
Albania (Shqipëria)	www.epson.it/intriv_m.htm
Algeria (Algérie / الجزائر)	www.epson.fr/bienvenu.htm
Austria (Österreich)	www.epson.at
Belgium (Belgique / België)	www.epson.be
Bosnia-Herzegovina (Bosna i Hercegovina)	www.epson.it/intriv_m.htm
Bulgaria (България)	www.epson.bg
Croatia (Hrvatska)	www.epson.it/intriv_m.htm
Cyprus (Κύπρος / Kıbrıs)	www.epson.it/intriv_m.htm
Czech Republic (Česká republika)	www.epson.cz
Denmark (Danmark)	www.epson.dk
Estonia (Eesti)	www.epson.ee/contact
Finland (Suomi)	www.epson.fi
France	www.epson.fr
Overseas region of France (DOM-TOM)	www.epson.fr/bienvenu.htm
Germany (Deutschland)	www.epson.de
Greece (Ελλάς)	www.epson.it/index2.htm
Hungary (Magyarország)	www.epson.hu
Iceland	www.epson.co.uk/welcome/welcome_iceland.htm
Ireland	www.epson.ie
Italy (Italia)	www.epson.it
Latvia (Latvija)	www.epson.de/eng
Lithuania (Lietuva)	www.epson.lt/contact
Malta	www.epson.co.uk/welcome/welcome_malta.htm
Macedonia (Република Македонија)	www.epson.it/intriv_m.htm
Morocco (Maroc / المغرب)	www.epson.fr/bienvenu.htm
Netherlands (Nederland)	www.epson.nl
Norway (Norge)	www.epson.no
Poland (Polska)	www.epson.pl
Portugal	www.epson.pt
Romania (România)	www.epson.ro
Russia (Россия)	support.epson.ru
Serbia-Montenegro (Srbija i Crna Gora)	www.epson.it/intriv_m.htm
Slovak Republic (Slovenčina)	www.epson.sk
Slovenia (Slovenija)	www.epson.it/intriv_m.htm
South Africa	www.epson.co.za
Spain (España)	www.epson.es
Sweden (Sverige)	www.epson.se
Switzerland (Suisse / Schweiz / Svizzera)	www.epson.ch
Tunisia (Tunisie / تونس)	www.epson.fr/bienvenu.htm
Turkey (Türkiye)	www.epson.com.tr
UK	ww.epson.co.uk
Africa & Middle East	
Botswana, Namibia, Swaziland	www.epson.co.uk/welcome/welcome_africa.htm
Egypt, Ethiopia, Ghana, Gibraltar, Iran, Kenya, Libya, Malawi, Nigeria, Seychelles, Sierra Leone, Sudan, Syria, Tanzania, Uganda, Zambia	www.epson.co.uk/welcome/welcome_africa.htm
Lebanon, Middle East, United Arab Emirates	www.epson.co.uk/welcome/welcome_africa.htm

Appendix A

Technical Specifications

Printer Features

The printer comes with a full set of features that contributes to ease of use and consistent, high-quality output. The main features are described below.

High-quality printing

When using the driver provided, your printer does 600-dpi printing at a speed of up to 25 pages per minute when printing in the black and white mode on A4 paper. You'll appreciate the professional print quality produced by your printer and its quick processing speed.

Duplex printing

Installing the optional Duplex Unit allows you to easily print on both sides of the page. You can produce professional quality double-sided documents. Use this feature with any print job to cut costs and save resources. You can also do duplex printing manually.

As an ENERGY STAR® partner, Epson recommends the use of the duplex printing function. See ENERGY STAR® Compliance for more information on the ENERGY STAR® program.

Pre-defined color settings in the printer driver

The printer driver offers many pre-defined settings for color printing, allowing you to optimize print quality for various types of color documents.

For Windows, see "Making the print quality setting" on page 41 for more information.
For Macintosh, see "Making the print quality settings" on page 88 for more information.

Toner save mode

To reduce the amount of toner used in printing documents, you can print rough drafts using the Toner Save mode.

Resolution Improvement Technology and Enhanced MicroGray technology

Resolution Improvement Technology (RITech) is an original Epson printer technology that works by smoothing out the jagged edges of diagonal and curved lines in both text and graphics. Enhanced MicroGray improves the halftone quality of graphics. With the driver provided, the printer's 600 dpi (dots per inch) resolution is enhanced by RITech and Enhanced MicroGray technology.

Paper

Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, Epson cannot guarantee the quality of any type of paper. Always test samples of paper stock before purchasing large quantities or printing large jobs.

Available paper types

Paper type	Description
Plain paper	General copier paper (Recycled paper is acceptable.*)
Semi-Thick paper	Weight: 81 to 105 g/m²
Envelopes	No paste and no tape No plastic window
Labels	The backing sheet should be covered completely, with no gaps between labels.
Thick paper	Weight: 106 to 163 g/m²
Extra thick paper	Weight: 164 to 210 g/m²
Transparencies	Transparencies for monochrome laser printers or copiers
Coated paper	Weight: 105 to 210 g/m²
Colored paper	Non-coated
Paper with letterhead	Paper and ink of letterheads must be compatible with laser printers.

* Use recycled paper only under normal temperature and humidity conditions. Poor quality paper may reduce print quality, or cause paper jams and other problems.

Paper that should not be used

You cannot use the following paper in this printer. It may cause printer damage, paper jams, and poor print quality:

- ❏ Media meant for other color laser printers, black-and-white laser printers, color copiers, black-and-white copiers, or ink jet printers
- ❏ Printed paper on which printing has been done by any other color laser printers, black-and-white laser printers, color copiers, black-and-white copiers, ink jet printers, or thermal transfer printers
- ❏ Carbon paper, carbonless paper, thermal-sensitive paper, pressure-sensitive paper, acid paper, or paper that uses high-temperature-sensitive ink (around 180°C)
- ❏ Labels that peel easily or labels that do not cover the backing sheet completely
- ❏ Coated paper or special surface-colored paper
- ❏ Paper that has binder holes or is perforated
- ❏ Paper that has glue, staples, paper clips, or tape on it
- ❏ Paper that attracts static electricity
- ❏ Moist or damp paper
- ❏ Paper of uneven thickness
- ❏ Overly thick or thin paper
- ❏ Paper that is too smooth or too rough
- ❏ Paper that is different on the front and back
- ❏ Paper that is folded, curled, wavy, or torn
- ❏ Paper of irregular shape, or paper that does not have right angle corners

Printable area

5-mm minimum margin on all sides.

Printer

General

Printing method:	Laser beam scanning and dry electrophotographic process
Resolution:	600 dpi
Continuous printing speed* (on A4/Letter):	25 pages per minute for black and white printing*** 5 pages per minute for color printing***
First print speed*:	9.0 seconds for black and white printing on A4 size paper 17.0 seconds for color printing on A4 size paper
Warm-up time**:	About 37.0 seconds at normal temperature
Paper feed:	Automatic or manual feed
Paper feed alignment:	Center alignment for all sizes
Duplex:	Available paper types are A4, Letter, B5, and Executive of plain paper, EPSON Color Laser Paper

Input paper supply:	
MP tray:	Up to 180 sheets of plain paper (80 g/m²) Up to 20 envelopes Up to 75 sheets of transparencies Up to 75 sheets of labels
Paper output:	For all paper types and size
Paper output capacity:	Up to 250 sheets of plain paper (80 g/m²)
RAM:	32 MB, expandable up to 256 MB

* Printing speed varies by paper source or other conditions.

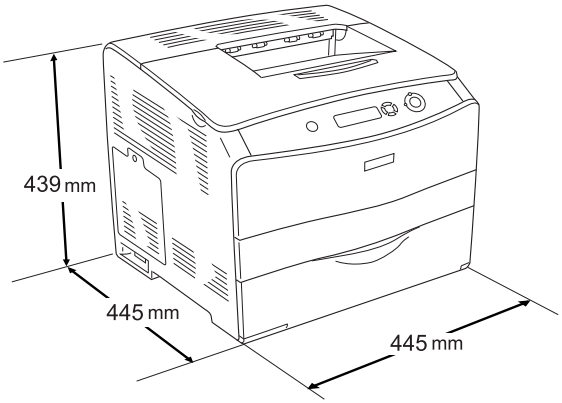
** Warm-up time varies with optional configurations.

***The printer may automatically calibrate during printing to improve printing quality. This may reduce the printing speed to below that of the value described. Also, depending on paper size, the printer may stop momentarily to protect the fuser unit.

Environmental

Temperature:	In use:	5 to 32°C (41 to 89.6°F)
	Not in use:	-20 to 40°C (-4 to 104°F)
Humidity:	In use:	15 to 85% RH
	Not in use:	5 to 85% RH
Altitude:	3100 meters (10171 feet) maximum	

Mechanical



Weight:	Approx. 25 kg (about 55 lb), excluding the imaging cartridge and options
Durability	5 years or 200,000 pages, whichever comes first (under the condition of A4 size, horizontal plain paper)

Electrical

				110 V, 120 V Model KBA-1a	**230 V Model KBB-1a**
Voltage				110 V-120 V ± 10%	220 V-240 V ± 10%
Rated frequency				50 Hz / 60 Hz ± 3 Hz	50 Hz / 60 Hz ± 3 Hz
Rated current				7.0 A	4.0 A
Power consumption	During printing*	Average	Color	177 W	176 W
			B/W	263 W	257 W
		MAX		693 W	782 W
	During standby mode	Average		63 W	61 W
	Sleep mode**			Up to 14 W	Up to 16 W

* Includes optional cassette unit and Duplex Unit.

** Completely suspended. Compliant with the Energy Star program.

Standards and approvals

U.S. model:

Safety	UL 60950 CSA No.60950-00
EMC	FCC Part 15 Subpart B Class B CSA C108.8 Class B

European model:

Low Voltage Directive 73/23/EEC	EN 60950
EMC Directive 89/336/EEC	EN 55022 Class B EN 61000-3-2 EN 61000-3-3 EN 55024

Australian model:

EMC	AS/NZS CISPR22 Class B

Laser safety

This printer is certified as a Class 1 laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the printer does not produce hazardous laser radiation.

Since radiation emitted by the laser is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

CDRH regulations

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration implemented regulations for laser products on August 2, 1976. Compliance is mandatory for products marketed in the United States. The label shown below indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

This laser product conforms to the applicable requirement of 21 CFR
Chapter I, subchapter J.

SEIKO EPSON CORP.
Hirooka Office
80 Hirooka, Shiojiri-shi, Nagano-ken,
Japan

Interfaces

Parallel interface

Use an IEEE 1284-I compliant parallel interface connector.

ECP mode/Nibble mode

USB interface

USB 2.0 High Speed mode

Note:

- ❏ *Only computers equipped with a USB connector and running Mac OS 9.x or X and Windows XP, Me, 98, 2000, or Server 2003 support the USB interface.*
- ❏ *Your computer must support USB 2.0 in order to use it as an interface.*
- ❏ *Since USB 2.0 is fully compatible with USB 1.1, USB 1.1 can be used as an interface.*
- ❏ *USB 2.0 can be used with Windows XP, 2000, and Server 2003 operating systems. If your operating system is Windows Me or 98, use a USB 1.1 interface.*

Ethernet interface

You can use an IEEE 802.3 100BASE-TX/10 BASE-T straight-through shielded, twisted-pair interface cable with an RJ45 connector.

Note:

- ❏ *NetWare queue-based printing is not supported.*
- ❏ *Ethernet Interface may not be available depending on the printer model.*

Options and Consumables

Optional 500-Sheet Paper Cassette Unit

Product code:	C12C802182
Paper size:	A4 and Letter (LT)
Paper weight:	64 to 105 g/m² (17 to 27.9 lb)
Paper feed:	One paper cassette mounted Automatic feed delivery system Cassette capacity up to 500 sheets
Paper types:	Plain paper
Power supply:	DC 5 V/0.1 A and 24 V/0.5 A supplied by the printer
Model:	KBA-3a*
Dimensions and weight:	
Height:	130 mm (5.1 in.)
Width:	440 mm (17.3 in.)
Depth:	446 mm (17.6 in.)
Weight:	8 kg (17.6 lb) including a paper cassette

* This product conforms to CE marking requirements in accordance with EC Directive 89/336/EEC.

Duplex Unit

Product code:	C12C802192
Paper size:	A4, B5, Letter (LT) and Executive (EXE)
Paper weight:	64 to 105 g/m² (17 to 28 lb)
Paper feed:	Automatic feed delivery system
Paper types:	Plain paper
Power supply:	5 V/0.1 A, 24 V/0.3 A supplied by the printer
Model:	KBA-4a*
Dimensions and weight:	
Height:	470 mm (18.5 in.)
Width:	435 mm (17.1 in.)
Depth:	210 mm (8.3 in.)
Weight:	4 kg (8.8 lb)

* This product conforms to CE marking requirements in accordance with EC Directive 89/336/EEC.

Memory modules

Memory size:	16 MB, 32 MB, 64 MB, 128 MB, or 256 MB

Toner cartridge

Product code:	Yellow:	High Capacity: 0187 Standard Capacity: 0191
	Magenta:	High Capacity: 0188 Standard Capacity: 0192
	Cyan:	High Capacity: 0189 Standard Capacity: 0193
	Black:	High Capacity: 0190
Storage temperature:	0 to 35°C (32 to 95°F)	
Storage humidity:	15 to 80% RH	
Life*:	Black:	Included with the printer: Up to 1,500 pages High Capacity: Up to 4,000 pages
	Yellow, Magenta,Cyan:	Standard Capacity: Up to 1,500 pages High Capacity: Up to 4,000 pages

Model:	Yellow:	High Capacity: 0187** Standard Capacity: 0191**
	Magenta:	High Capacity: 0188** Standard Capacity: 0192**
	Cyan:	High Capacity: 0189** Standard Capacity: 0193**
	Black:	High Capacity: 0190**

* Average under the conditions of A4 size paper, continuous printing, and 5% print ratio. Even if printing under the conditions of A4 size paper, continuous printing, and less than 5% print ratio, service life may be shortened depending on other conditions.

** This product conforms to CE marking requirements in accordance with EC Directive 89/336/EEC.

The actual number of pages you can print with toner cartridges varies depending on the type of printing.

Photoconductor unit

Product code:	1104
Storage temperature:	0 to 35°C (32 to 95°F)
Storage humidity:	15 to 80% RH

Life*:	14,000 pages under conditions of 5% printing ratio, color and black have a proportion of two to one per page, and two pages per job. 42,000 pages of continuous printing, under conditions of 5% printing ratio and black and white printing. 20,900 pages under conditions of 5% printing ratio, black and white printing, and one page per job. 10,500 pages of continuous printing, under conditions of 5% printing ratio and color printing. 10,500 pages under conditions of 5% printing ratio, color printing, and one page per job.
Model:	1104**

* Average under the conditions of A4 size paper, continuous printing, and 5% print ratio. Even if printing under the conditions of A4 size paper, continuous printing, and 5% print ratio, service life may be shortened depending on repeatedly warming up or turning the printer on and off, printing ratio of over 5%, or frequently printing on envelops, labels, thick paper, or transparencies.

** This product conforms to CE marking requirements in accordance with EC Directive 89/336/EEC.

The actual number of pages you can print with a photoconductor unit varies depending on the type of printing.

Appendix B

Functions of the Control Panel

Using the Control Panel Menus

You can use the printer's control panel to access a variety of menus that allow you to check the status of consumable products, print status sheets, and make printer settings. This section describes how to use the control panel menus, and when it is appropriate to make printer settings using the control panel.

When to make control panel settings

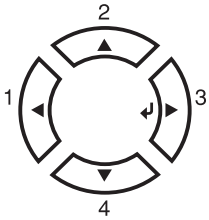
In general, printer settings can be made from the printer driver, and do not need to be made using the control panel. In fact, printer driver settings override settings made using the control panel, so use the control panel menus only to make settings you cannot make in your software or printer driver, including the following:

- ❏ Specifying a channel and configuring the interface
- ❏ Choosing the size of the memory buffer used to receive data

How to access the control panel menus

For a complete description of the items and settings available in the control panel menus, see "Control Panel Menus" on page 249.

1. When the printer's Ready light is on, press any of the control panel buttons shown below accesses the control panel menus.



2. Use the ▲ Up and ▼ Down buttons to scroll through the menus.

3. Press the Enter button to view the items in a menu. Depending on the menu, the LCD panel displays an item and the current setting separated (▲▼YYYY=ZZZZ), or only an item (▲▼YYYY).

4. Use the ▲ Up and ▼ Down buttons to scroll through the items, or press the ◀ Back button to return to the previous level.

5. Press the Enter button to carry out the operation indicated by an item, such as printing a status sheet or resetting the printer, or to view the settings available for an item.

   Use the ▲ Up and ▼ Down buttons to scroll through available settings, then press the Enter button to select a setting and return to the previous level. Press the ◀ Back button to return to the previous level without changing the setting.

   Note:
   You need to turn the printer off and then on to activate some settings. For details, see "Control Panel Menus" on page 249.

6. Press the ○ Start/Stop button to exit the control panel menus.

Control Panel Menus

Press the ▲ Up and ▼ Down buttons to scroll through the menus. The menus and menu items appear in the order shown below.

Note:
Some menus and items appear only when a corresponding optional device is installed or an appropriate setting has been done.

Information Menu

From this menu you can check the toner level and the remaining service life of consumable products. You can also print status and sample sheets showing the printer's current settings, available fonts, and a brief summary of available features.

Press the ▼ Down or ▲ Up button to select an item. Press the Enter button to print a sheet or font sample.

Item	Settings (default in bold)
Status Sheet	-
Network Status Sheet*1	-
USB ExtI/F Status Sht*2	-
C/M/Y/K Toner	E******F
Photoconductr	E******F
Total Pages	0 to 99999999
Color Pages	0 to 99999999
B/W Pages	0 to 99999999

*1 This item appears only when the Network I/F setting in the Emulation Menu is on.

*2 Available only when a USB external device is connected and the USB I/F setting in the USB Menu is on.

Status Sheet

Prints a sheet showing the current printer settings and installed options. These sheets can be useful to confirm whether options have been installed correctly.

Network Status Sheet

Prints a sheet showing the working status of the network.

USB ExtI/F Status Sht

Prints a sheet showing the working status of the USB interface.

C Toner/M Toner/Y Toner/K Toner/Photoconductr

Displays the amount of toner left in the toner cartridges, and the remaining service life of the photoconductor unit, as shown below:

E******F	(100 to 84%)
E***** F	(83 to 67%)
E**** F	(66 to 51%)
E*** F	(50 to 34%)
E** F	(33 to 17%)
E* F	(16 to 1%)
E F	(0%)

Total Pages

Displays the total number of pages printed by the printer.

Color Pages

Displays the total number of pages printed in color by the printer.

B/W Pages

Displays the total number of pages printed in black-white by the printer.

Status Menu

This menu is displayed only when a warning occurs. You can see the errors by entering SelecType mode. When multiple warnings occur, the ▲▼ marks are displayed at the end of a warning message. Enter SelecType mode to see other warning messages.

Tray Menu

This menu allows you to specify the size and type of paper loaded in the MP tray. Accessing this menu also lets you check the size of the paper currently loaded in the lower cassettes.

The paper type settings in this menu can also be made from your printer driver. Settings you make in your printer driver override these settings, so use your printer driver whenever you can.

Item	Settings (default in bold)
MP Tray Size	**A4***, A5, B5, **LT***, HLT, GLT, EXE, MON, C10, DL, C5, C6, IB5
LC Size**	**A4**, LT
MP Type	**Plain**, SemiThk, Letterhead, Recycled, Color, Trnsrncy, Labels
LC Type**	**Plain**, SemiThk, Letterhead, Recycled, Color

* Default setting varies according to the country of purchase.

** Available only when the optional paper cassette unit is installed.

MP Tray Size

Select your paper size from this menu.

LC Size

Displays the paper size loaded in the standard and optional lower cassettes.

MP Type

Lets you set the paper type loaded in the MP tray.

LC Type

Lets you select the paper type loaded in the standard and optional lower cassettes.

Setup Menu

This menu allows you to make various basic configuration settings related to paper sources, feeding modes, and error handling. You can also use this menu to select the LCD panel display language.

Item	Settings (default in bold)
Lang*	**English**, Français, Deutsch, ITALIANO, ESPAÑOL, SVENSKA, Dansk, Nederl., SUOMI, Português
MP Mode	**Normal**, Last
Size Ignore	**Off**, On
Auto Cont	**Off**, On
LCD Contrast	0 to **7** to 15

* Default setting may vary depending on the controller configuration settings.

Lang

Specifies the language displayed on the LCD panel and that printed on the status sheet.

MP Mode

This setting determines whether the MP tray has the highest or lowest priority when Auto is selected as the Paper Source setting in the printer driver. When Normal is selected as the MP Mode, the MP tray has the highest priority as the paper source. If you select Last, the MP tray has the lowest priority.

Size Ignore

If you want to ignore a paper size error, select On. When you turn this item on, the printer keeps printing even if the image size exceeds the printable area for the specified paper size. This may cause smudges because of the toner that is not transferred onto the paper properly. When this item is turned off, the printer stops printing if a paper size error occurs.

Auto Cont

When you turn this setting on, the printer automatically continues printing after a certain period of time when one of the following errors occurs: Paper Set, Print Overrun, or Mem Overflow. When this option is off, you must press the ○ Start/Stop button to resume printing.

LCD Contrast

Adjusts the contrast of the LCD panel. Use the ▲ Up and ▼ Down buttons to set the contrast between 0 (lowest contrast) and 15 (highest contrast.)

Reset Menu

This menu allows you to cancel printing and reset the printer settings.

Clear Warning

Clears warning messages that show errors except for these that occur from consumable products or mandatory-replacement parts.

Clear All Warnings

Clears all warning messages that appear on the LCD panel.

Reset

Stops printing and clears the current job received from the active interface. You may want to reset the printer when there is a problem with the print job itself and the printer cannot print successfully.

Reset All

Stops printing, clears the printer memory, and restores the printer settings to their default values. The print jobs received from all interfaces are erased.

Note:
Performing Reset All clears print jobs received from all interfaces. Be careful not to interrupt someone else's job.

SelecType Init

Restores the control panel menu settings to their default values.

Change Toner C/M/Y/K

Replace the indicated toner cartridge. See “Toner Cartridge” on page 161 for details.

Reset Fuser Counter

Reset the fuser unit life when you replace the fuser unit.

Parallel Menu

These settings control communication between the printer and the computer when using the parallel interface.

Item	Settings (default in bold)
Parallel I/F	**On**, Off
Bi-D	Nibble, **ECP**

Parallel I/F

Allows you to activate or deactivate the parallel interface.

Bi-D

Allows you to specify the bidirectional communication mode.

USB Menu

These settings control communication between the printer and the computer when using the USB interface.

Item	Settings (default in bold)
USB I/F*1	**On**, Off
USB SPEED*1	**HS**, FS
USB ExtI/F Confg*2	**No**, Yes
Get IP Address*3	Panel, Auto, PING
IP*3*4*5	0.0.0.0 to 255.255.255.255
SM*3	0.0.0.0 to 255.255.255.255
GW*3	0.0.0.0 to 255.255.255.255
Netware	On, Off
AppleTalk*3	On, Off
MS Network*3	On, Off
Rendezvous*3	On, Off
USB ExtI/F Init*3	-
Buffer Size*1	**Normal**, Maximum, Minimum

*1 After this item is changed, the setting value takes effect after a warm boot or after the power is turned on again. While it is reflected in the Status Sheet, the actual change takes effect after a warm boot or after the power is turned on again.

*2 Displayed only when a USB external device is connected. The `USB Confis` setting is set to `No` automatically when exiting the panel settings.

*3 Displayed only when a USB external device is connected and the `USB Confis` setting is set to `Yes`. The contents of the settings depend on the USB external device settings.

*4 Displayed only when the `Get IPAddress` setting is set to `Auto`. This setting cannot be changed.

*5 When the `Get IPAddress` setting is changed from `Panel` or `PING` to `Auto`, the panel setting values are saved. When `Auto` is changed to `Panel` or `PING`, the saved setting values are displayed. 192.168.192.168 if the settings are not made from the panel.

USB I/F

Allows you to activate or deactivate the USB interface.

USB SPEED

Allows you to select the operation mode of USB interface. Selecting HS is recommended. Select FS if HS does not work on your computer system.

Buffer Size

Determines the amount of memory to be used for receiving data and printing data. If `Maximum` is selected, more memory is allocated for receiving data. If set to `Minimum` is selected, more memory is allocated for printing data.

Note:

- ❏ *To activate Buffer Size settings, you must turn off the printer for more than five seconds then turn it back on. Or, you can perform a Reset All operation, as explained in "Reset Menu" on page 254.*

- ❏ *Resetting the printer erases all print jobs. Make sure the Ready light is not flashing when you reset the printer.*

Network Menu

See the *Network Guide* for each setting.

Note:
This menu may not be available depending on the printer model.

Printer Adjust Menu

Enter the Support Mode by pressing the ▼ Down button while turning the printer on, to make the Printer Adjust Menu appear.

Note:
This menu is a special function. You don't have to change it for ordinary use.

Item	Settings (default in bold)
Normal	0 ... **5** ... 15
SemiThk	0 ... **5** ... 15
Thick	0 ... **5** ... 15
ExtraThk	0 ... **5** ... 15
Card	0 ... **5** ... 15
Envelope	0 ... **5** ... 15
Feed Offset	-3.5 ... **0.0** ... 3.5 mm
Scan Offset	-3.5 ... **0.0** ... 3.5 mm
Feed Offset2	-3.5 ... **0.0** ... 3.5 mm
Scan Offset2	-3.5 ... **0.0** ... 3.5 mm
Calibration	

Normal

Adjust the density for normal paper. The setting becomes darker as the value increases.

HighQlty

Adjust the density for high quality paper. The setting becomes darker as the value increases.

Thick

Adjust the density for thick paper. The setting becomes darker as the value increases.

SemiThk

Adjust the density for semi-thick paper. The setting becomes darker as the value increases.

Card

Adjust the density for cards. The setting becomes darker as the value increases.

Envelope

Adjust the density for envelopes. The setting becomes darker as the value increases.

Feed Offset

Adjust the vertical position in which to start printing. The position moves lower on the sheet as the value increases. This setting is used when doing single-sided printing or printing the first page for duplex printing.

Scan Offset

Adjust the horizontal position in which to start printing. The position moves to the right of the sheet as the value increases. This setting is used when doing single-sided printing or printing the first page for duplex printing.

Feed Offset2

Adjust the vertical position in which to star printing. The position moves lower on the sheet as the value increases. This setting is used when printing on the backside of paper for duplex printing.

Scan Offset2

Adjust the horizontal position in which to start printing. The position moves to the right of the sheet as the value increases. This setting is used when printing on the backside of paper for duplex printing.

Calibration

Executes the process control after finishing the print job.

Appendix C

Working with Fonts

EPSON BarCode Fonts (Windows Only)

EPSON BarCode Fonts let you easily create and print many types of bar codes.

Normally, bar code creation is a laborious process requiring you to specify various command codes, such as Start bar, Stop bar and OCR-B, in addition to the bar code characters themselves. However, EPSON BarCode Fonts are designed to add such codes automatically, allowing you to easily print bar codes that conform to a variety of bar code standards.

EPSON BarCode Fonts support the following types of bar codes.

Bar code Standard	EPSON BarCode	OCR-B	Check Digit	Comments
EAN	EPSON EAN-8	Yes	Yes	Creates EAN (abbreviated version) bar codes.
	EPSON EAN-13	Yes	Yes	Creates EAN (standard version) bar codes.
UPC-A	EPSON UPC-A	Yes	Yes	Creates UPC-A bar codes.
UPC-E	EPSON UPC-E	Yes	Yes	Creates UPC-E bar codes.

Bar code Standard	EPSON BarCode	OCR-B	Check Digit	Comments
Code39	EPSON Code39	No	No	Printing of OCR-B and check digits can be specified with the font name.
	EPSON Code39 CD	No	Yes	
	EPSON Code39 CD Num	Yes	Yes	
	EPSON Code39 Num	Yes	No	
Code128	EPSON Code128	No	Yes	Creates Code128 bar codes.
Interleaved 2 of 5 (ITF)	EPSON ITF	No	No	Printing of OCR-B and check digits can be specified with the font name.
	EPSON ITF CD	No	Yes	
	EPSON ITF CD Num	Yes	Yes	
	EPSON ITF Num	Yes	No	
Codabar	EPSON Codabar	No	No	Printing of OCR-B and check digits can be specified with the font name.
	EPSON Codabar CD	No	Yes	
	EPSON Codabar CD Num	Yes	Yes	
	EPSON Codabar Num	Yes	No	

System requirements

To use EPSON BarCode Fonts, your computer system should meet the following requirements:

Computer:	IBM PC series or IBM compatible with an i386SX or higher CPU
Operating system:	Microsoft Windows XP, Me, 98, 95, 2000 and NT 4.0
Hard disk:	15 to 30 KB free space, depending on the font.

Note:
EPSON BarCode Fonts can only be used with EPSON printer drivers.

Installing EPSON BarCode Fonts

Follow these steps to install EPSON BarCode Fonts. The procedure described here is for installation in Windows 98; the procedure for other Windows operating systems is nearly the same.

1. Make sure that the printer is off and that Windows is running on your computer.

2. Insert the printer software CD-ROM in the CD-ROM drive.

   Note:
   - ❏ *If the language section window appears, select your country.*

   - ❏ *If the EPSON Installation Program screen does not appear automatically, double-click the* My Computer *icon, right-click the* CD-ROM *icon, and click* OPEN *in the menu that appears.Then double-click* Epsetup.exe.

3. Click Continue. When the software license agreement screen appears, read the statement and then click Agree.

4. In the dialog box that appears, click Local.

5. Click Custom.

6. Select the EPSON BarCode Font check box and click Install. Then follow the on-screen instructions.

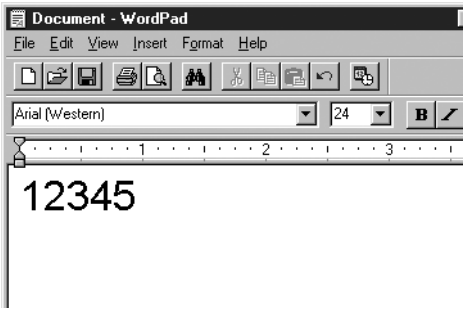
7. When installation is complete, click OK.

EPSON BarCode Fonts are now installed on your computer.

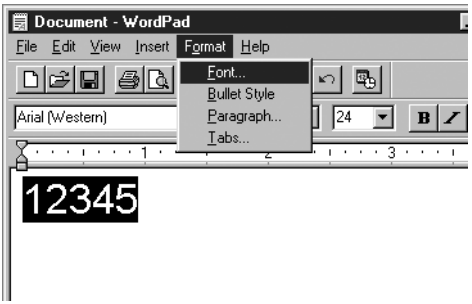
Printing with EPSON BarCode Fonts

Follow the steps below to create and print bar codes using EPSON BarCode Fonts. The application featured in these instructions is Microsoft WordPad. The actual procedure may differ slightly when printing from other applications.

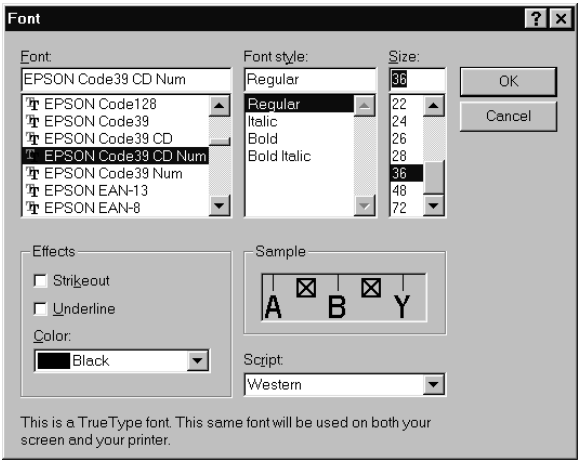
1. Open a document in your application and enter the characters you want to convert into a bar code.



2. Select the characters, then select Font from the Format menu.

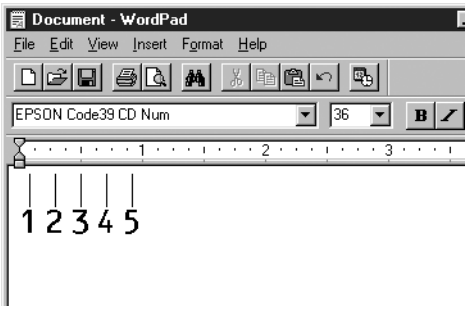


3. Select the EPSON BarCode Font you want to use, set the font size, then click OK.



Note:
In Windows XP, 2000, and NT 4.0, you cannot use font sizes larger than 96 points when printing bar codes.

4. The characters you selected appear as bar code characters similar to those shown below.



5. Select Print from the File menu, select your EPSON printer, then click Properties. Make the following printer driver settings. Your printer is a host based color printer. See the Host Based Color Printer Driver section in the table below.

	Monochrome Printer Driver	**Color Printer Driver**	**Host Based Monochrome Printer Driver**	**Host Based Color Printer Driver**
Color	(not available)	Black	(not available)	Black
Print Quality	600 dpi	600 dpi	600 dpi	600 dpi
Toner Save	Not selected	Not selected	Not selected	Not selected
Zoom Options	Not selected	Not selected	Not selected	Not selected
Graphic mode (in the Extended Settings dialog box accessed through the Optional Settings tab)	High Quality (Printer)	(not available)	(not available)	(not available)
Printing Mode (in the Extended Settings dialog box accessed through the Optional Settings tab)	(not available)	High Quality (Printer)	(not available)	(not available)

6. Click OK to print the bar code.

Note:
If there is an error in the bar code character string, such as inappropriate data, the bar code will be printed as it appears on the screen, but it cannot be read by a bar code reader.

Notes on inputting and formatting bar codes

Please note the following when inputting and formatting bar code characters:

- ❏ Do not apply shading or special character formatting, such as bold, italic, or underline.
- ❏ Print bar codes in black and white only.
- ❏ When rotating characters, only specify rotation angles of 90°, 180°, and 270°.
- ❏ Turn off all automatic character and word spacing settings in your application.
- ❏ Do not use features in your application that enlarge or reduce the size of characters in only the vertical or horizontal direction.
- ❏ Turn off your application's auto-correct features for spelling, grammar, spacing, etc.
- ❏ To more easily distinguish bar codes from other text in your document, set your application to show text symbols, such as paragraph marks, tabs, etc.
- ❏ Because special characters such as Start bar and Stop bar are added when an EPSON BarCode Font is selected, the resulting bar code may have more characters than were originally input.
- ❏ For best results, use only the font sizes recommended in "BarCode Font specifications" on page 269 for the EPSON BarCode Font you are using. Bar codes in other sizes may not be readable with all bar code readers.

Note:
Depending on the print density, or on the quality or color of the paper, bar codes may not be readable with all bar code readers. Print a sample and make sure the bar code can be read before printing large quantities.

BarCode Font specifications

This section contains details on the character input specifications for each EPSON BarCode Font.

EPSON EAN-8

- ❏ EAN-8 is an eight-digit abbreviated version of the EAN bar code standard.
- ❏ Because the check digit is added automatically, only 7 characters can be input.

Character type	Numbers (0 to 9)
Number of characters	7 characters
Font size	52 pt to 130 pt (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 52 pt, 65 pt (standard), 97.5 pt, and 130 pt.

The following codes are inserted automatically and need not be input by hand:

- ❏ Left/Right margin
- ❏ Left/Right guard bar
- ❏ Center bar
- ❏ Check digit
- ❏ OCR-B

Print sample

EPSON EAN-8

EPSON EAN-13

- ❏ EAN-13 is the standard 13-digit EAN bar code.
- ❏ Because the check digit is added automatically, only 12 characters can be input.

Character type	Numbers (0 to 9)
Number of characters	12 characters
Font size	60 pt to 150 pt (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 60 pt, 75 pt (standard), 112.5 pt, and 150 pt.

The following codes are inserted automatically and need not be input by hand:

- ❏ Left/Right margin
- ❏ Left/Right guard bar
- ❏ Center bar
- ❏ Check digit
- ❏ OCR-B

Print sample

EPSON EAN-13

EPSON UPC-A

- ❏ UPC-A is the standard bar code specified by the American Universal Product Code (UPC Symbol Specification Manual).
- ❏ Only regular UPC codes are supported. Supplementary codes are not supported.

Character type	Numbers (0 to 9)
Number of characters	11 characters
Font size	60 pt to 150 pt (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 60 pt, 75 pt (standard), 112.5 pt and 150 pt.

The following codes are inserted automatically and need not be input by hand:

- ❏ Left/Right margin
- ❏ Left/Right guard bar
- ❏ Center bar
- ❏ Check digit
- ❏ OCR-B

Print sample

EPSON UPC-A

EPSON UPC-E

❏ UPC-E is the UPC-A zero-suppression (deletes extra zeros) bar code specified by the American Universal Product Code (UPC Symbol Specification Manual).

Character type	Numbers (0 to 9)
Number of characters	6 characters
Font size	60 pt to 150 pt (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 60 pt, 75 pt (standard), 112.5 pt, and 150 pt.

The following codes are inserted automatically and need not be input by hand:

❏ Left/Right margin

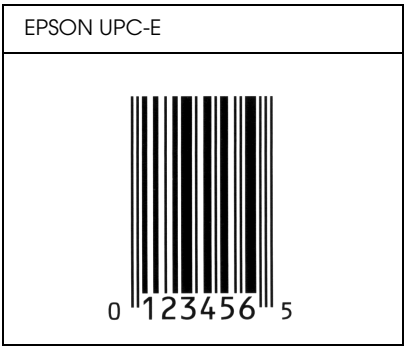
❏ Left/Right guard bar

❏ Check digit

❏ OCR-B

❏ The numeral “0”

Print sample



EPSON Code39

- ❏ Four Code39 fonts are available, allowing you to enable and disable the automatic insertion of check digits and OCR-B.
- ❏ The height of the bar code is automatically adjusted to 15% or more of its total length, in conformance to the Code39 standard. For this reason, it is important to keep at least one space between the bar code and the surrounding text to prevent overlapping.
- ❏ Spaces in Code39 bar codes should be input as "_" underbars.
- ❏ When printing two or more bar codes on one line, separate the bar codes with a tab, or select a font other than a BarCode Font and input the space. If a space is input while a Code39 font is selected, the bar code will not be correct.

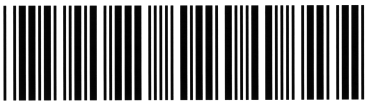
Character type	Alphanumeric characters (A to Z, 0 to 9) Symbols (- . space $ / + %)
Number of characters	No limit

Font size	When OCR-B is not used: 26 pt or more (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 26 pt, 52 pt, 78 pt, and 104 pt. When OCR-B is used: 36 pt or more (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 36 pt, 72 pt, 108 pt, and 144 pt.

The following codes are inserted automatically and need not be input by hand:

- ❏ Left/Right quiet zone
- ❏ Check digit
- ❏ Start/Stop character

Print sample

EPSON Code39	EPSON Code39 CD
	
EPSON Code39 Num	EPSON Code39 CD Num

EPSON Code128

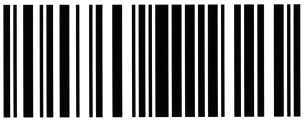
- ❏ Code128 fonts support code sets A, B, and C. When the code set of a line of characters is changed in the middle of the line, a conversion code is automatically inserted.
- ❏ The height of the bar code is automatically adjusted to 15% or more of its total length, in conformance to the Code128 standard. For this reason, it is important to keep at least one space between the bar code and the surrounding text to prevent overlapping.
- ❏ Some applications automatically delete the spaces at the end of lines or change multiple spaces into tabs. Bar codes containing spaces may not be correctly printed from applications that automatically delete spaces from the ends of lines or change multiple spaces into tabs.
- ❏ When printing two or more bar codes on one line, separate the bar codes with a tab, or select a font other than a BarCode Font and input the space. If a space is input while Code128 is selected, the bar code will not be correct.

Character type	All ASCII characters (95 in total)
Number of characters	No limit
Font size	26 pt to 104 pt (up to 96 pt in Windows XP, 2000, NT). Recommended sizes are 26 pt, 52 pt, 78 pt, and 104 pt.

The following codes are inserted automatically and need not be input by hand:

- ❏ Left/Right quiet zone
- ❏ Start/Stop character
- ❏ Check digit
- ❏ Change code set character

Print sample

EPSON Code128


EPSON ITF

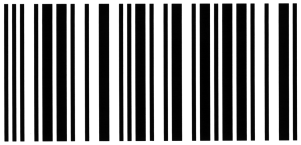
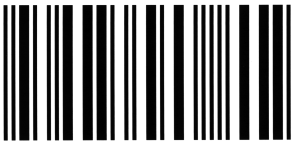
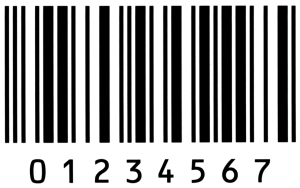
- ❏ The EPSON ITF fonts conform to the USS Interleaved 2-of-5 standard (American).
- ❏ Four EPSON ITF fonts are available, allowing you to enable and disable the automatic insertion of check digits and OCR-B.
- ❏ The height of the bar code is automatically adjusted to 15% or more of its total length, in conformance to the Interleaved 2-of-5 standard. For this reason, it is important to keep at least one space between the bar code and the surrounding text to prevent overlapping.
- ❏ Interleaved 2 of 5 treats every two characters as one set. When there are an odd number of characters, EPSON ITF fonts automatically add a zero to the beginning of the character string.

Character type	Numbers (0 to 9)
Number of characters	No limit
Font size	When OCR-B is not used: 26 pt or more (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 26 pt, 52 pt, 78 pt, and 104 pt. When OCR-B is used: 36 pt or more (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 36 pt, 72 pt, 108 pt, and 144 pt.

The following codes are inserted automatically and need not be input by hand:

- ❏ Left/Right quiet zone
- ❏ Start/Stop character
- ❏ Check digit
- ❏ The numeral “0” (added to the beginning of character strings as needed)

Print sample

EPSON ITF	EPSON ITF CD
	
EPSON ITF Num	EPSON ITF CD Num
	

EPSON Codabar

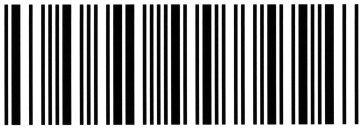
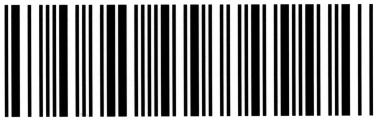
- ❏ Four Codabar fonts are available, allowing you to enable and disable the automatic insertion of check digits and OCR-B.
- ❏ The height of the bar code is automatically adjusted to 15% or more of its total length, in conformance to the Codabar standard. For this reason, it is important to keep at least one space between the bar code and the surrounding text to prevent overlapping.
- ❏ When either a Start or a Stop character is input, Codabar fonts automatically insert the complementary character.
- ❏ If neither a Start nor a Stop character is input, these characters are automatically input as the letter *"A."*

Character type	Numbers (0 to 9) Symbols (- $: / . +)
Number of characters	No limit
Font size	When OCR-B is not used: 26 pt or more (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 26 pt, 52 pt, 78 pt, and 104 pt. When OCR-B is used: 36 pt or more (up to 96 pt in Windows XP, 2000, and NT). Recommended sizes are 36 pt, 72 pt, 108 pt, and 144 pt.

The following codes are inserted automatically and need not be input by hand:

- ❏ Left/Right quiet zone
- ❏ Start/Stop character (when not input)
- ❏ Check digit

Print sample

EPSON Codabar	EPSON Codabar CD
	
EPSON Codabar Num	EPSON Codabar CD Num

Notice for Windows XP Users

To use this product on the computer running Windows XP Service Pack 2, follow the steps below to change the settings in Windows Firewall.

Note:
If you register programs to Windows Firewall as exceptions, ports used by the programs are open to incoming communications from an external network. Each time that you allow an exception for a program to communicate through Windows Firewall, your computer is made more vulnerable. If you have many exceptions and open ports, your computer can become a victim of unknown intruders or viruses. Epson takes no responsibilities for damages caused by allowing exception in Windows Firewall.

A. Configuring the Network Interface using EpsonNet EasyInstall

If you configure the network interface using the computer running Windows XP Service Pack 2, follow the steps below to register the network configuration utility (EpsonNet EasyInstall or EpsonNet Config) to Windows Firewall as exceptions; otherwise you cannot configure the network interface because it is not displayed on the screen of the network configuration utility.

1. Insert the software CD-ROM in the CD-ROM drive.

   Note:
   ❏ *If the installation screen appears, click* Exit.

   ❏ *Do not eject the software CD-ROM before the registration is completed.*

2. Click Start, point to Control Panel, and then select Security Center. Click Windows Firewall.

3. Click the Exceptions tab, and then click the Add Program button.

4. Click the Browse button.

5. Select the CD-ROM drive from the Look in pull-down menu.

6. Double-click the COMMON folder and then the ENEZINST folder.

7. Select eninst.exe, and then click Open.

8. Confirm that eninst.exe is registered in the Programs list, and then click OK.

9. Confirm that the check box for eninst.exe is selected in the Programs and Services list, and then click OK.

Note:
If you use EpsonNet Config to configure the network interface, add it to the Programs and Services list as an exception after installing it from the software CD-ROM.

B. For EpsonNet WebManager Users

If EpsonNet WebManager is installed on the computer running Windows XP Service Pack 2, make the following settings; otherwise the client computers cannot access EpsonNet WebManager.

1. Click Start, point to Control Panel, and then select Security Center. Click Windows Firewall.

2. Click the Exceptions tab, and then click the Add Port button.

3. Enter the name of the port in the Name text box and 8090 in the Port number text box, and then select the TCP radio button.

Note:
If necessary, click the Change scope *button and then specify the IP addresses of the client computers for which the port is unblocked.*

4. Click OK.

C. For Laser Printer Users

If you share the laser printers on the computer running Windows XP Service Pack 2, client computers with the following conditions cannot monitor the printers using EPSON Status Monitor 3:

- ❏ Client computers running Windows Me/98/95
- ❏ Client computers located in another network segment

Solution

1. Click Start, point to Control Panel, and then select Security Center. Click Windows Firewall.
2. Click the Exceptions tab, and then click the Add Program button.
3. Click the Browse button.
4. Select the program located in the following folder, using the Look in pull-down menu.

   C:\Program Files\Common Files\EPSON\EBAPI\EEBAgent.exe

   Note:
   - ❏ *Substitute the drive letter for your operating system.*
   - ❏ *If you have upgraded EPSON Status Monitor 2 to EPSON Status Monitor 3, select the folder where EPSON Status Monitor 2 is installed.*

5. Confirm that EEBAgent.exe is registered in the Programs list, and then click OK.

6. Confirm that the check box for EEBAgent.exe is selected in the Programs and Services list, and then click OK.

Glossary

buffer
See *memory*.

character set
A collection of letters, numbers, and symbols used in a particular language.

ColorSync
Macintosh software that is designed to help you get WYSIWYG (what you see is what you get) color output. This software prints colors as you see them on your screen.

default
A value or setting that takes effect when the printer is turned on, reset, or initialized.

download
To transfer information from the computer to the printer.

dpi (dots per inch)
The number of dots per inch is a measure of printer resolution. The higher the number of dots, the higher the resolution.

driver
See *printer driver*.

drum
The part of the printer mechanism where the image is formed and transferred to paper.

FF (Form Feed)
A control code to break the page.

fixed-width font
A font whose characters are allotted the same amount of horizontal space, no matter the width of the character. Thus the uppercase *M* receives the same amount of space as the letter *l*.

font
A set of characters and symbols that share a common typographic design and style.

font family
The collection of all sizes and styles of a font.

halftone
A grayscale image that is composed of small dots. The dots can be close together to create black or more widely spaced to create gray or white areas in the image. Newspaper photographs are common examples of halftones.

initialization
The act of returning the printer to its defaults (fixed set of conditions).

interface
The connection between the printer and the computer. A parallel interface transmits data one character or code at a time, while a serial interface transmits data one bit at a time.

landscape
Printing that is oriented sideways on the page. This orientation gives you a page that is wider than it is high and is useful for printing spreadsheets.

memory
The part of the printer's electronic system that is used to store information. Some information is fixed and is used to control how the printer operates. Information that is sent to the printer from the computer (such as downloaded fonts) is stored in memory temporarily. See also *RAM*.

orientation
Refers to the direction in which characters are printed on a page. This direction is either portrait, where the length of the page is longer than its width, or landscape, where the width is longer than its length.

outline font
A font whose outline is described mathematically, allowing it to be rendered (printed or drawn) smoothly at any size.

photoconductor unit
A component of the printer that contains a photosensitive print drum.

pitch
A measure of the number of characters per inch (cpi) for fixed-width fonts.

point size
The height of a particular font as measured from the top of the tallest character to the bottom of the lowest. A point is a typographic unit of measure equivalent to 1/72 of an inch.

portrait
Printing that is oriented upright on the page (as opposed to landscape, in which printing is oriented sideways on the page). This is the standard orientation for printing letters or documents.

ppm (pages per minute)
The number of pages that can be printed in one minute.

printer driver
Software that sends instructions to the printer to tell it what to do. For example, your printer driver accepts print data from your word processor application and sends instructions to the printer on how to print this data.

proportional font
A font whose characters have varying amounts of horizontal space depending on the width of the character. Thus the uppercase *M* takes up more horizontal space than the lowercase *l*.

RAM
Random Access Memory. The portion of the printer's memory used as a buffer and for storing user-defined characters. All data stored in RAM is lost when the printer is turned off.

reset
To refresh the printer's memory and erase the current print jobs.

resolution
A measure of the fineness and clarity of images produced by the printer or monitor. Printer resolution is measured in dots per inch. Monitor resolution is measured in pixels.

RITech
Resolution Improvement Technology. A feature that smooths the jagged edges of printed lines or shapes.

serif
The small decorative strokes that come off the main lines of a character.

sRGB
A standard default red green blue (RGB) color space that is device independent.

status sheet
A report that lists the printer settings and other printer information.

toner
The colored powder contained in the toner cartridges that is used to print images on the paper.

Index

A

Automatic print quality settings (Macintosh), 88
Automatic print quality settings (Windows), 41
Available paper, 233

C

Canceling printing, 228
Canceling printing (Macintosh), 120
Canceling printing (Windows), 80
Consumables
  ordering, 69
  replacement messages, 159
  replacing the photoconductor unit, 165
  replacing the toner, 161
  specifications (photoconductor unit), 245
  specifications (toner), 244
Contacting EPSON, 229
Control panel
  overview, 17
Control panel menus
  about, 247
  how to access, 247
  information, 249
  network, 258
  panel settings, 247
  parallel, 255
  reset, 254
  setup, 252
  status, 251
  tray, 251
  USB, 256
Customer support, 229
Customizing print settings (Macintosh), 93
Customizing print settings (Windows), 45
Custom paper size
  printer settings, 39

D

Double-sided printing (Macintosh), 104
Double-sided printing (Windows), 56
Double-sided printing manually (Macintosh), 106
Double-sided printing manually (Windows), 58
Duplex printing (Macintosh), 104
Duplex printing (Windows), 56
Duplex printing manually (Macintosh), 106
Duplex printing manually (Windows), 58
Duplex unit
  how to install, 150
  how to remove, 154
  specifications, 243

E

Envelopes
  printer settings, 35
EPSON BarCode Fonts
  about, 261
  how to install, 263
  how to print, 265
  specifications, 269
  system requirements, 263
Epson color laser paper
  printer settings, 32
Epson color laser transparencies
  printer settings, 33
EPSON Status Monitor 3
  about (Macintosh), 110
  about (Windows), 63
  how to access (Macintosh), 111
  how to access (Windows), 66
  how to install (Windows), 63
  Job management (Macintosh), 117
  Job management (Windows), 73
  Job management/connections (Windows), 74
  Job management/how to use (Windows), 75
  Job management/setting to notify (Windows), 77
  monitoring (Windows), 77
  monitoring preferences (Macintosh), 114
  monitoring preferences (Windows), 71
  printer status (Macintosh), 112
  printer status (Windows), 67

Status Alert window (Macintosh), 116
Status Alert window (Windows), 73
stopping monitoring (Windows), 77
Ethernet, 241
Extended settings (Macintosh), 107
Extended settings (Windows), 60

F

Features
Duplex printing, 231
High-quality printing, 231
Pre-defined color settings in printer driver, 232
Resolution Improvement Technology and Enhanced MicroGray technology, 232
Toner save mode, 232
Fonts
EPSON BarCode Fonts (about), 261
EPSON BarCode Fonts (how to install), 263
EPSON BarCode Fonts (how to print), 265
EPSON BarCode Fonts (specifications), 269
EPSON BarCode Fonts (system requirements), 263

G

Guides
Network Guide, 2
Online Help, 2
Paper Jam Guide, 2
Reference Guide, 2
Setup Guide, 2

I

Information menu, 249
Installing options
Duplex Unit, 150
installing a memory module, 155
installing the Duplex Unit, 150
installing the paper cassette unit, 147
memory module, 155
paper cassette unit, 146
removing a memory module, 158
removing the Duplex Unit, 154
removing the paper cassette unit, 149

Interfaces
ethernet, 241
parallel, 240
USB, 241

J

Jam LC (paper cassette), 220
Job management (Macintosh), 117
Job management (Windows), 73
connections, 74
how to use, 75
setting to notify, 77

L

Labels
printer settings, 37
Loading paper
MP tray, 27
optional paper cassette, 29

M

Maintenance
consumables, 159, 161, 165
printer, 169
printer (pickup roller), 170
printer (print head), 170
Manually optional settings (Windows), 62
Memory module
how to install, 155
how to remove, 158
specifications, 243
Monitoring (Macintosh), 114
Monitoring (Windows), 71, 77
MP tray
available paper, 23
loading paper, 27

N

Network menu, 258

O

Optional paper cassette
  available paper, 25
  loading paper, 29
Optional paper cassette unit
  how to install, 147
  how to remove, 149
  specifications, 242
Options
  specifications (Duplex Unit), 243
  specifications (memory module), 243
  specifications (optional paper cassette unit), 242
Order online, 69
Output tray, 31

P

Paper
  available paper, 233
  custom size paper, 39
  envelopes, 35
  Epson color laser paper, 32
  labels, 37
  printable area, 235
  thick paper and extra thick paper, 38
  transparencies, 33, 38
  unavailable paper, 234
Paper jams
  how to clear, 176
Paper sources
  MP tray, 23
  optional paper cassette unit, 25
  selecting a paper source (automatically), 26
  selecting a paper source (manually), 25
Parallel, 240
Parallel menu, 255
Photoconductor unit
  how to replace, 166
  specifications, 245
Predefined print settings (Macintosh), 90
Predefined print settings (Windows), 43
Printer
  cleaning, 169
  cleaning (pickup roller), 170

cleaning (print head), 170
consumable products, 19
electrical, 238
environmental, 236
general, 235
mechanical, 237
optional products, 19
parts (front view), 15
parts (inside), 17
parts (rear view), 16
standards and approvals, 239
transporting, 174
transporting (long distance), 172
transporting (short distance), 173
Printer driver
about (Macintosh), 86
about (Windows), 40
how to access (Macintosh), 87
how to access (Windows), 40
how to uninstall (Macintosh), 121
how to uninstall (Windows), 81
Printer driver settings
automatically resizing printout (Windows), 48
customizing (Macintosh), 93
customizing (Windows), 45
duplex printing (Macintosh), 104
duplex printing (Windows), 56
extended settings (Macintosh), 107
extended settings (Windows), 60
making a new watermark (Macintosh), 100
making a new watermark (Windows), 54
manual duplex printing (Macintosh), 106
manual duplex printing (Windows), 58
optional settings (Windows), 62
print layout (Macintosh), 97
print layout (Windows), 50
print quality (Macintosh), 88
print quality (Windows), 41
print settings (Macintosh), 90
print settings (Windows), 43
resizing printout (Macintosh), 96
resizing printout (Windows), 49
saving (Macintosh), 94
saving (Windows), 47
USB connection (Macintosh), 119

USB connection (Windows), 78
using a watermark (Macintosh), 99
using a watermark (Windows), 52
Printer quality settings (Macintosh), 88
Printer status (Macintosh), 112
Printer status (Windows), 67
Print layout (Macintosh), 97
Print layout (Windows), 50
Print quality settings (Windows), 41

R

Relocating the printer, 174
Reset menu, 254
Resizing page (Macintosh), 96
Resizing page (Windows), 49
Resizing page automatically (Windows), 48

S

Safety information, 10
Saving customized settings (Macintosh), 94
Saving customized settings (Windows), 47
Setup menu, 252
Sharing the printer
about (Macintosh), 142
about (Windows), 123
access the printer (Macintosh), 144
additional driver (Windows), 126
client settings (Windows), 132
client settings (Windows Me, 98 or 95), 133
client settings (Windows NT 4.0), 138
client settings (Windows XP or 2000), 134
install the printer driver (Windows), 140
setting up your printer (Macintosh), 142
setting up your printer (Windows), 124
Status alert (Macintosh), 116
Status alert (Windows), 73
Status and error messages, 216
Status menu, 251
Status sheet
how to print, 193
Stopping monitoring (Windows), 77

T

Technical support, 229
Thick paper and extra thick paper
  printer settings, 38
Toner
  how to replace, 162
  specifications, 244
Transparencies
  printer settings, 33, 38
Transporting the printer (long distance), 172
Transporting the printer (short distance), 173
Tray menu, 251
Troubleshooting, 176, 193, 216, 228
  color printing problems, 198
  memory problems, 205
  operational problems, 194
  options, 207
  paper handling problems, 206
  printout problems, 197
  print quality problems, 200
  sharing problems, 196
  USB problems, 209

U

Unavailable paper, 234
Uninstalling (Macintosh), 121
Uninstalling (Windows), 81, 84
USB, 241
USB (Macintosh), 119
USB (Windows), 78, 84
USB device driver
  how to uninstall (Windows), 84
USB menu, 256

W

Watermark (Macintosh)
  how to make, 100
  how to use, 99
Watermark (Windows)
  how to make, 54
  how to use, 52