

EPSON® Laser Printer EPL-5900/EPL-6100 Setup

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.

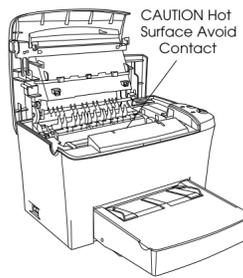
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Safety Instructions

Laser Printer Precautions

This printer uses laser technology. Follow the precautions below to ensure safe, efficient operation.

- Be careful not to touch the fuser, which is marked CAUTION Hot Surface Avoid Contact. If the printer has been in use, the fuser can be very hot.
- Do not attempt to modify or take the developer cartridge apart. It cannot be refilled.
- Do not touch the toner and avoid all toner contact with your eyes.
- Do not dispose of used developer cartridges and photoconductor units in fire, as they can explode and cause injury. Dispose of them according to local regulations.



Important Safety Instructions

Read all of the following instructions before operating your printer:

- Follow all warnings and instructions marked on the printer.
- Unplug this printer from the wall outlet before cleaning.
- Use a well-wrung cloth for cleaning and do not use liquid or aerosol cleaners.
- Avoid touching the components inside the printer unless instructed to do so in this guide.
- Never force printer components into place. Although the printer is designed to be sturdy, rough handling can damage it.
- Be sure to keep consumables out of the reach of children.
- Do not leave jammed paper inside of the printer. This can cause the printer to overheat.
- Do not use this printer near water.
- Do not place the printer on an unstable surface.
- Do not put your printer where the cord will be stepped on.
- Avoid using outlets that other appliances are plugged into.
- Slots and openings in the cabinet and the back or bottom are provided for ventilation. Do not block or cover them. Do not put the printer on a bed, sofa, rug, or other similar surface or in a built-in installation unless proper ventilation is provided.
- Use the type of power source indicated on the label. If you are not sure of the type of power available, consult your dealer or local power company.
- If you are unable to insert the plug into the outlet, contact a qualified electrician.
- If you use an extension cord, make sure that the total of the ampere ratings on the products plugged into the extension cord does not exceed the extension cord ampere rating.

- Never push objects of any kind through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.
- Never spill liquid of any kind on the printer.
- Except as specifically explained in this guide, do not attempt to service this product yourself. Opening or removing those covers that are marked Do Not Remove may expose you to dangerous voltage points or other risks. Refer all servicing in those compartments to a qualified service representative.
- Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and may require repair by a qualified service representative.
- Unplug this printer from the wall outlet and refer servicing to a qualified service representative under the following conditions:
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into it.
 - C. If it has been exposed to rain or water.
 - D. If it does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If it has been dropped or the cabinet has been damaged.
 - F. If it exhibits a distinct change in performance, indicating a need for service.

Safety Information

Power cord

 **Caution:**
Be sure the AC power cord meets the relevant local safety standards.

Laser safety labels

 **Warning:**
The performance of procedures and adjustments other than those specified in this guide may result in hazardous radiation exposure.

Your printer is a Class 1 laser product as defined in the IEC60825 specifications. The label shown is attached to the back of the printer in countries where required.



For European users

The EPSON EPL-5900/EPL-6100 is a page printer which utilizes a semiconductor laser.

There is no possibility of danger from the laser, provided that the printer is operated according to the instructions in the guides provided.

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.

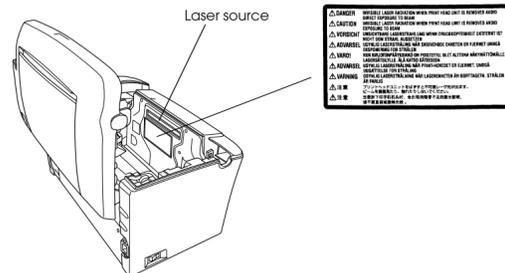
 **Warning:**
The use of controls, or the performance of procedures and adjustments other than those specified in this guide may result in hazardous radiation exposure.

This is a semiconductor laser. The maximum power of the laser diode is 5 mW and the wavelength is 770 to 810 (EPL-5900) / 795 (EPL-6100) nm.

Internal laser radiation

Max. Average Radiation Power 27 (EPL-5900) / 35 (EPL-6100) μW at laser aperture
Wavelength 770 to 810 (EPL-5900) / 795 (EPL-6100) nm

This is a Class III b Laser Diode Assembly that has an invisible laser beam. The printer head unit is NOT A SERVICE ITEM. Therefore, the printer head unit should not be opened under any circumstances. An additional laser warning label is affixed to the inside of the printer.



CDRH regulations

For information about the Center for Devices and Radiological Health of the U.S. Food and Drug Administration, see the Reference Guide on the CD-ROM.

Ozone safety

Ozone emission

Ozone gas is generated by laser printers as a by-product of the printing process. Ozone is produced only when the printer is printing.

Ozone exposure limit

The recommended exposure limit for ozone is 0.1 parts per million (ppm) expressed as an average time-weighted concentration over an eight (8) hour period. The EPSON EPL-5900/EPL-6100 laser printer generates less than 0.1 ppm for eight (8) hours of continuous printing.

Minimize the risk

To minimize the risk of exposure to ozone, you should avoid the following conditions:

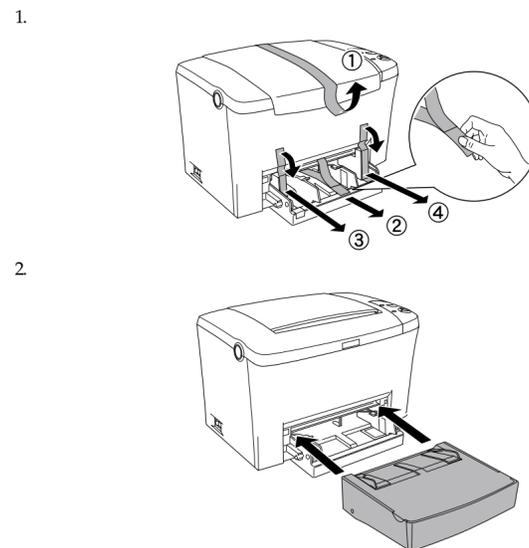
- Use of multiple laser printers in a confined area
- Operation in conditions of extremely low humidity
- Poor room ventilation
- Long, continuous printing together with any of the above

Printer location

The printer should be located so that the exhaust gases and heat generated are:

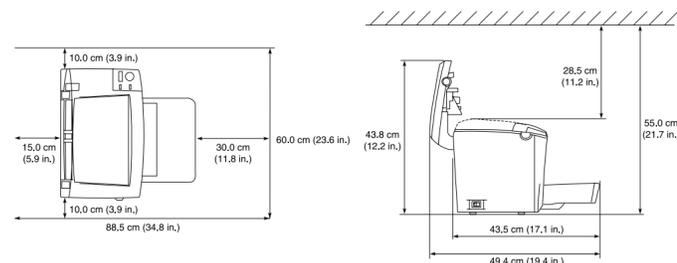
- Not blown directly into the user's face
- Vented directly out of the building whenever possible

1 Preparing the Printer



2 Finding a Place for the Printer

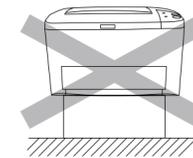
- Allow adequate space for easy operation and maintenance.



- 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.

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.
- Do not place the printer on a surface that is smaller than the printer's bottom panel. Doing so may cause troubles on printing and feeding due to the internal excessive load of the printer. Be sure to locate the printer on a flat, wide surface where the rubber pads can be placed stably.



3 Installing the Options

Memory Module

Make sure that the DIMM you purchase is compatible with EPSON products. For the details, contact the store where you purchased this printer or the EPSON qualified service representative.

Memory size	16 MB, 32 MB, 64 MB, or 128 MB
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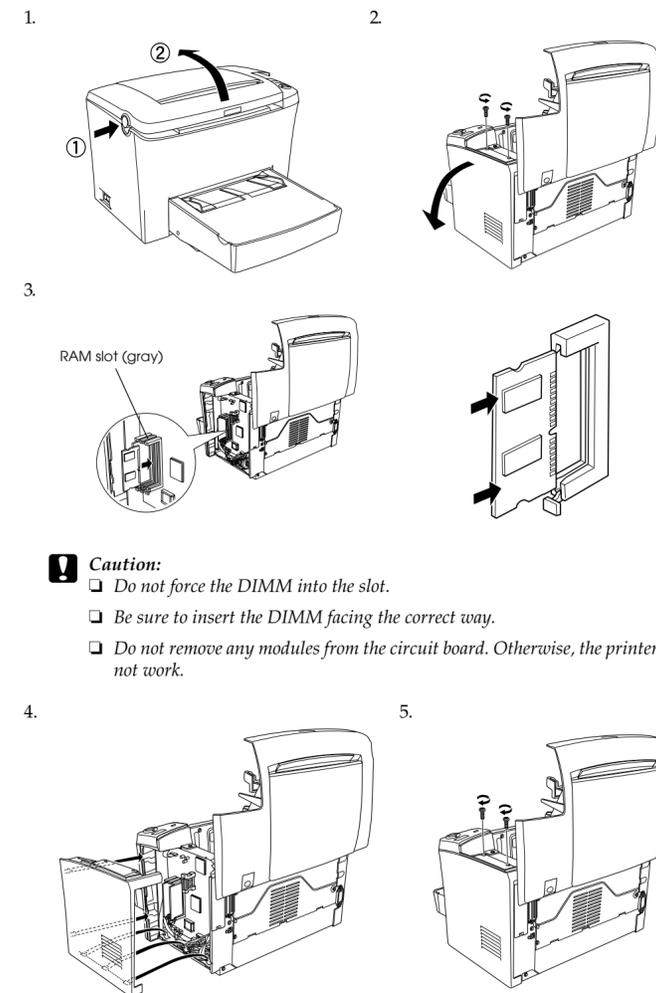
For more detailed descriptions of memory modules, see "Memory Module" in the Reference Guide.

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.
- Make sure that the printer is turned off.
- Remove only the two screws attaching the right side cover.

Warning:

- Removing other screws and covers will expose high voltage areas.
- Be careful when working inside the printer as some components are sharp and may cause injury.



Caution:

- Do not force the DIMM into the slot.
- Be sure to insert the DIMM facing the correct way.
- Do not remove any modules from the circuit board. Otherwise, the printer will not work.

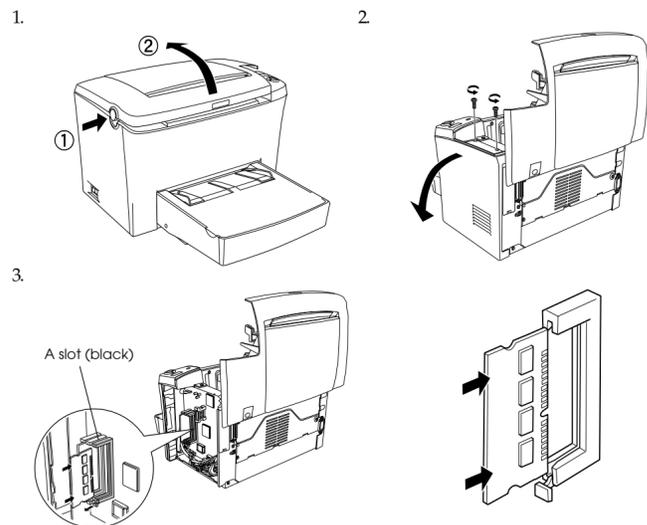
To confirm that the memory module is installed correctly, print a status sheet. See "4 Testing and Connecting the Printer."

ROM Module

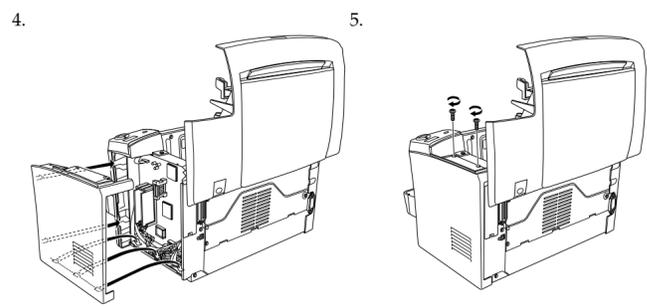
The Adobe® PostScript® 3™ Kit ROM module (C12C832461 (EPL-5900) / C12C832521 (EPL-6100)) is a useful option that generates crisp PostScript output.

- Caution:**
- ❑ Before you install a ROM module, be sure to discharge any static electricity by touching a grounded piece of metal. Otherwise, you may damage static-sensitive components.
 - ❑ Make sure that the printer is turned off.
 - ❑ Remove only the two screws attaching the right side cover.

- Warning:**
- ❑ Removing other screws and covers will expose high voltage areas.
 - ❑ Be careful when working inside the printer as some components are sharp and may cause injury.



- Caution:**
- ❑ Do not force the ROM module into the slot.
 - ❑ Be sure to insert the ROM module facing the correct way.
 - ❑ Do not remove any modules from the circuit board. Otherwise, the printer will not work.



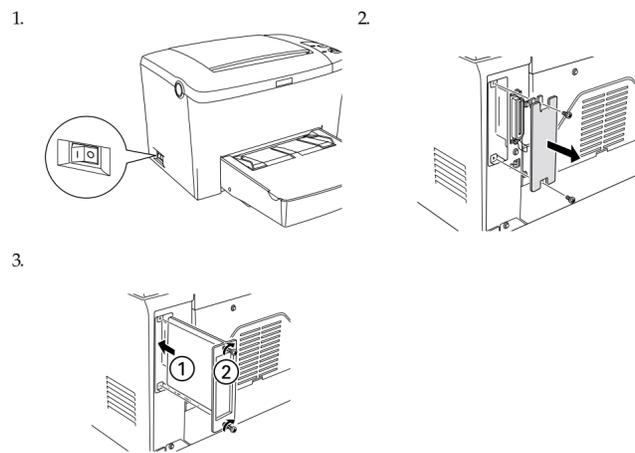
To confirm that the ROM module is installed correctly, print a status sheet. See "4 Testing and Connecting the Printer."

Interface Cards

Your printer comes with a Type B interface slot. You can install an optional interface card into this slot to expand the flexibility of your printer. For example, installing an optional Ethernet card turns your printer into a network printer.

- Caution:**
- ❑ Before you install the interface card, be sure to discharge any static electricity by touching a grounded piece of metal; otherwise, you may damage static-sensitive components.
 - ❑ Make sure that the printer is turned off.
 - ❑ Remove only two screws attaching the right side cover.

- Warning:**
- ❑ Removing other screws and covers will expose high voltage areas.
 - ❑ Be careful when working inside the printer as some components are sharp and may cause injury.

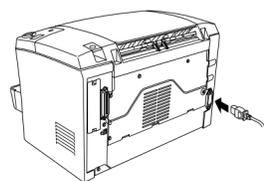


To confirm that the optional interface card is installed correctly, print a status sheet. See "4 Testing and Connecting the Printer."

4 Testing and Connecting the Printer

Plugging in the Printer

Make sure that the printer is turned off. Insert the power cord into the back of the printer. Then plug the other end into a properly grounded electrical outlet.



Connecting the Printer to a Computer

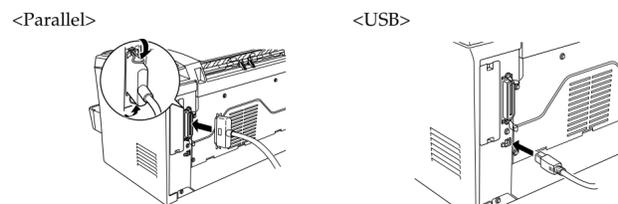
To connect your computer to the printer's built-in parallel interface, you need a shielded, twisted-pair parallel interface cable that is IEEE-1284 compatible.

When your computer has a USB interface connector, the USB Revision 1.1 compliant cable is available. System requirements for USB connection are as follows:

- ❑ Apple® Macintosh® system that has a USB interface guaranteed by Apple Computer, Inc.
- ❑ Microsoft® Windows® system that has a USB interface guaranteed by each manufacturer, and the preinstalled Windows Me, 98, XP, and 2000 or the upgraded Windows Me, XP, and 2000 from the preinstalled Windows 98.

- Note:**
- ❑ Be sure to connect a computer that supports bidirectional communication.
 - ❑ When using an inappropriate cable or connecting peripheral devices between the printer and the computer, the connection may be unstable.
 - ❑ You can not connect Macintosh computers to the parallel interface of the printer.

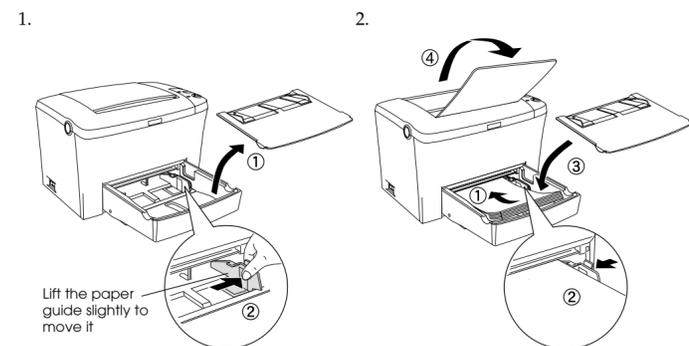
1. Make sure that both the printer and the computer are off.
2. Attach the parallel or USB interface cable to the printer as shown.



- Note:**
- ❑ Use a shielded, twisted-pair parallel cable, or a USB Revision 1.1 compliant cable.
 - ❑ When the cable has a grounding wire, secure the wire with the screw below the connector.
3. Plug the other end of the cable into the computer's parallel or USB interface connector. See your computer's instruction manual for more information.

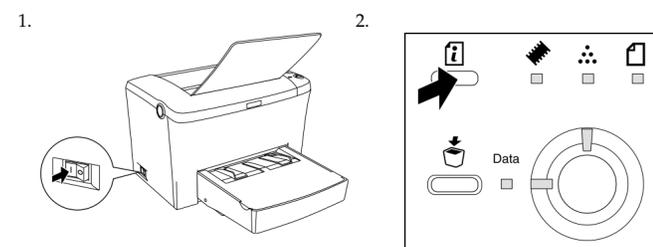
Loading Paper

Load the A4 size paper into the MP tray as shown below. About the available paper types, see "Available paper types" in the Reference Guide.



Testing the Printer

To confirm the current status of the printer, print a status sheet. The status sheet contains information about the printer, the consumables, the current settings, and the installed options, if any.



5 Installing the Printer Driver

When you install the printer driver, the following software are installed.

- ❑ Printer driver
The printer driver gives you complete control settings over your printer with the Microsoft® Windows® Me, 98, 95, XP, 2000, NT® 4.0, and Mac OS 8.1 to 9.x. With it, you can make various settings such as print quality and paper size.
- ❑ EPSON Status Monitor 3
The EPSON Status Monitor 3 allows you to view printer status information such as the amount of toner remaining and check for any printer errors.

- Note:**
- ❑ Make sure that your printer is turned off.
 - ❑ To install other software, please see the Reference Guide.
 - ❑ The screenshots on this sheet are from the EPL-6100's printer driver.

For Windows Users

Insert the CD-ROM that comes with your printer in your CD-ROM drive. Then follow the on-screen instructions.



- Note:**
- 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 Setup.exe.

About an Additional Driver

When the printer is shared with some computers (clients) in a network and the print server's OS is Windows 2000 or NT 4.0, you can install the printer driver for the client's OS in the server as an additional driver. This allows the clients to download the appropriate printer driver from the printer server if necessary. See "Using an Additional Driver" in the Reference Guide for details.

For Macintosh Users

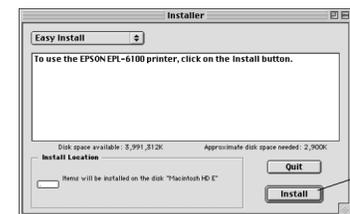
Your Macintosh must meet the following requirements to use the driver included with the printer:

Mac OS 8.1 to 9.x*

- * To turn off QuickDraw GX, first make sure that the Caps Lock key is unlocked. Then, while holding down the spacebar, restart your Macintosh. The Extensions Manager will open. Clear the QuickDraw GX check box, then close the Extensions Manager.

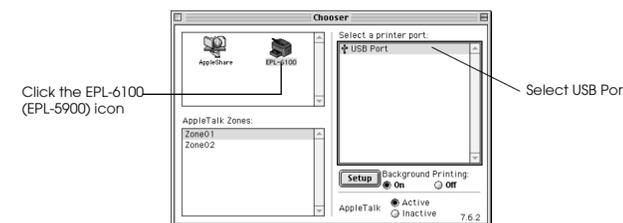
- Caution:**
- Turn off any anti-virus software before installing the printer driver.

1. Insert the printer software CD-ROM.
2. Double-click the Install Printer Driver/Utility folder (EPL-5900) or Install Software folder (EPL-6100).
3. Double-click the Installer icon.
4. After accepting the license agreement, Installer appears.
5. Click Install and follow the on-screen instructions.



Selecting your printer in the Chooser

After you have installed the printer driver, you need to open Chooser to select your printer. This procedure is necessary the first time you use a printer and when you want to switch to another printer. Your Macintosh will always print using the last printer selected.



6 To Know More About Your Printer

Reference Guide

The CD-ROM shipped with your printer includes the Reference Guide as well as the printer driver. Microsoft Internet Explorer 4.0 or later, or Netscape Navigator 4.0 or later must be installed in your computer to read the Reference Guide.

- ❑ How to use the printer
- ❑ How to solve problems
- ❑ How to keep your printer in good condition
- ❑ Safety information and technical specifications

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Printed in Japan 02.XX-XX