

English

HP LaserJet 5Si/5Si MX/5Si NX Printer Getting Started Guide

Getting Started Guide

 HP LaserJet 5Si /
5Si MX / 5Si NX Printer

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Installation Checklist

Congratulations on your purchase of the HP LaserJet 5Si/5Si MX/5Si NX printer!

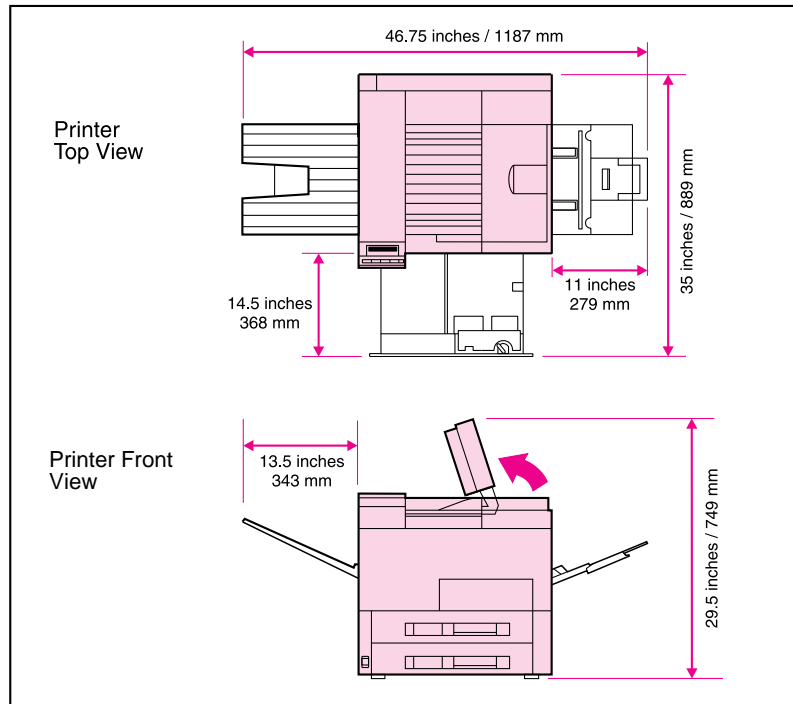
This *Getting Started Guide* will help you set up and install your new printer. Complete, in order, the steps in the checklist. Each step is detailed on the following pages with easy-to-follow directions.

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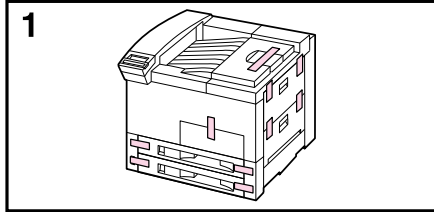
Step 1. Preparing a Location for the Printer



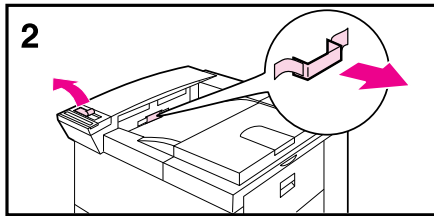
Your Location Requirements are:

- Sturdy, level floor surface for placement.
- Space allowance around printer, as shown above.
- A well-ventilated room.
- Room temperature: 50 to 90.5 F/ 10 to 32.5 C.
- Relative humidity: 20% to 80%.
- A stable environment with no abrupt temperature or humidity changes.
- No exposure to chemicals or direct sunlight.
- Line voltage and frequency not varying more than 10% from the value stated on the printer nameplate (located on the back, opposite the power plug).

Step 2. Removing the Internal Packaging

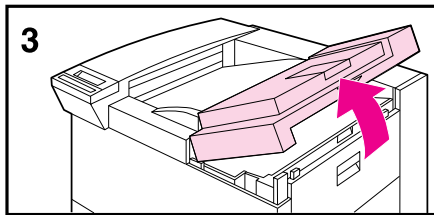


Save all packing materials in case you need to repack and transport your print engine at a later date. Check with your local recyclers for recycling options.

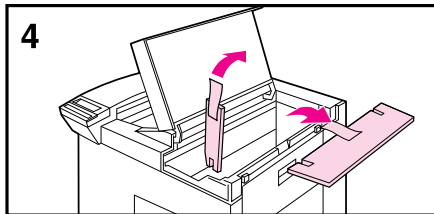


CAUTION

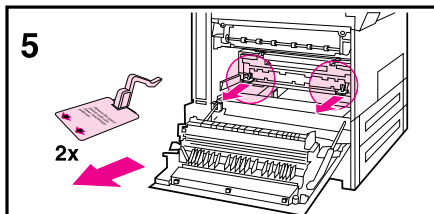
This printer weighs 106 pounds/48.1 kg. We recommend four people to move it.



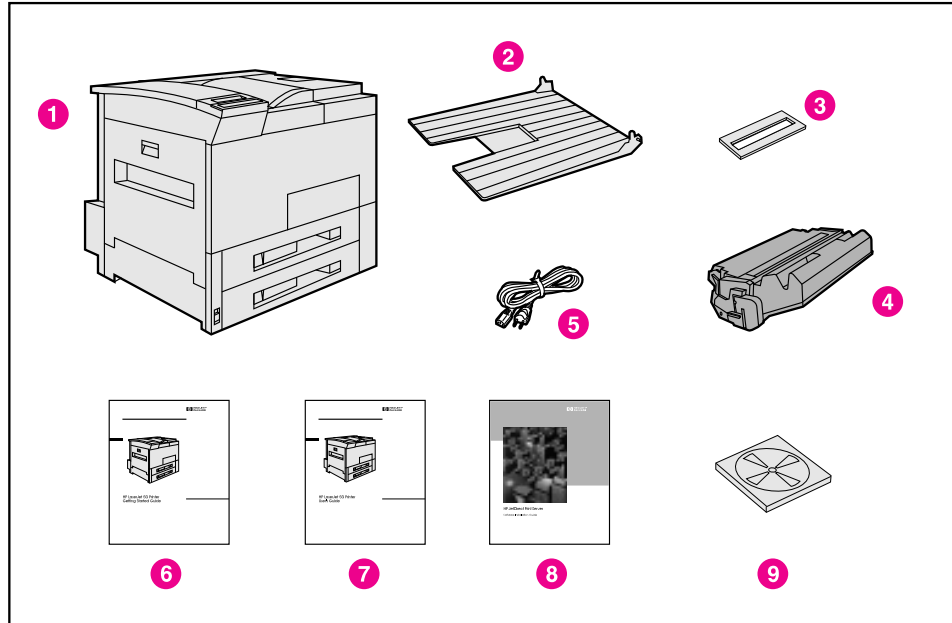
- 1 Remove all external packing tape from the printer.
- 2 Remove packing material from top output bin and protective film from display.
- 3 Open the top cover.
- 4 Remove packing material and tape, then close top cover.



- 5 Open left-side door and remove two packing spacers. Close the door.



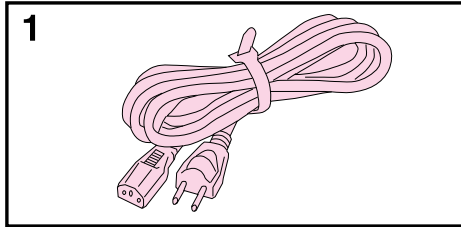
Step 3. Checking the Package Contents



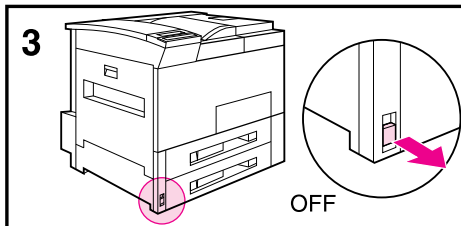
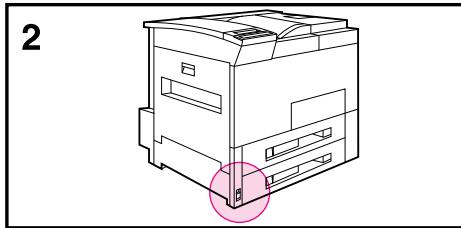
Locate each item in the list below:

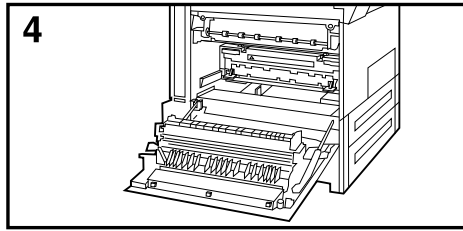
1	Printer
2	Left Output Bin (face-up)
3	Control Panel Overlay (for non-English language users only)
4	Toner Cartridge (in a bag)
5	Power Cord
6	Getting Started Guide (this booklet)
7	User's Guide
8	HP JetDirect Print Server Software Installation Guide (for HP LaserJet 5Si MX only)
9	Software Driver Application CD-ROM

Step 4. Installing the Power Cord

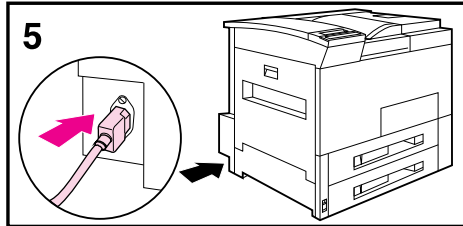


- 1 Locate the power cord shipped with the printer.
- 2 Locate the power switch on the front of the printer.
- 3 Make sure all printer doors are closed and the power switch is OFF (out).



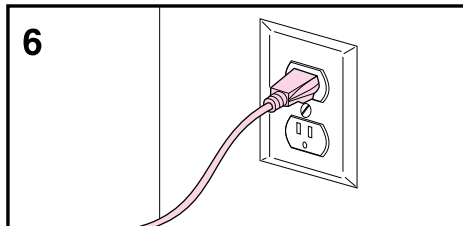


4 Open the left door and verify the fuser voltage rating is correct for the intended voltage application.



5 Insert the power cord into the power connector plug on the back of the printer.

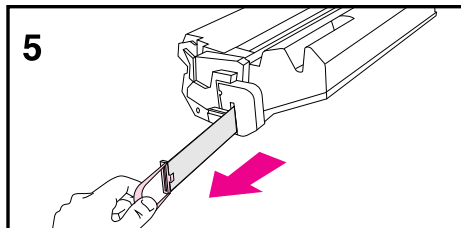
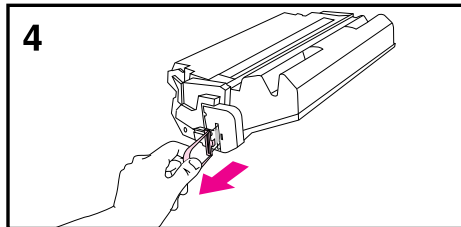
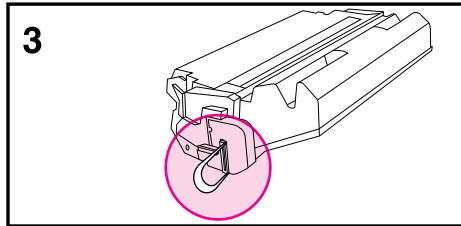
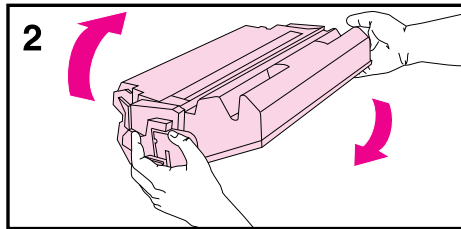
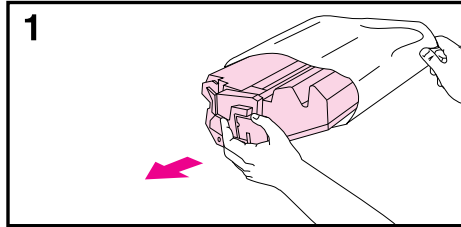
6 **CAUTION:** Insert the other end of the power cord only into a proper AC power outlet. Turn the printer ON.



NOTE

The printer displays **READY** after warming up. If the toner cartridge has not been installed yet, the printer will display **INSTALL TONER CARTRIDGE**.

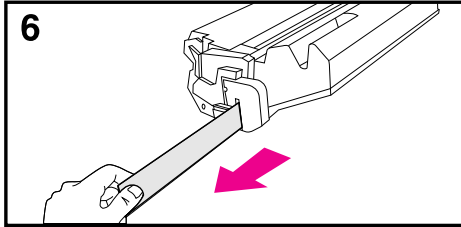
Step 5. Installing the Toner Cartridge



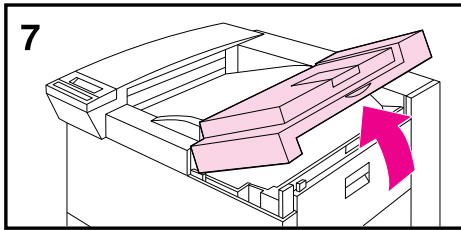
- 1 Locate the toner cartridge packaged in Box 1 and use scissors to cut open the bag.
- 2 Distribute the toner by rotating the cartridge back and forth 5 to 6 times.
- 3 Locate the sealing tape tab on the left end of the cartridge.
- 4 Carefully bend the ring back and forth until it separates from the cartridge.
- 5 Hold the cartridge and pull the tape straight out. It may be difficult to pull.

Note

Avoid touching the black part of the tape (it has toner on it). Discard the tape.

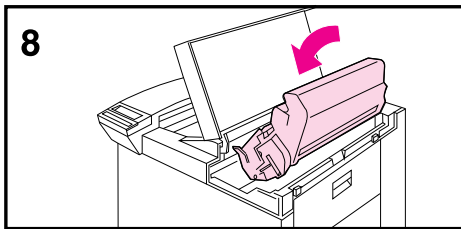


6 If the ring separates from the tape, grasp the tape itself and pull it out.

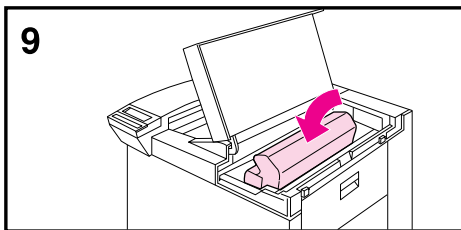


7 Open the printer's top cover.

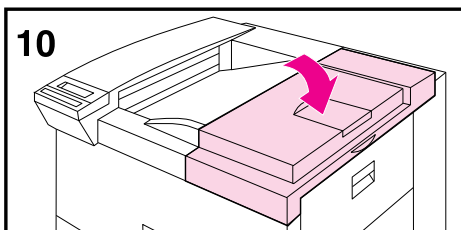
8 Insert the cartridge into the printer.



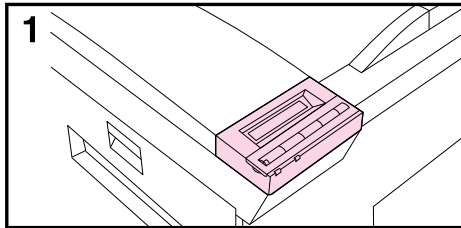
9 Slide the cartridge into the printer until it stops.



10 Close the top cover.

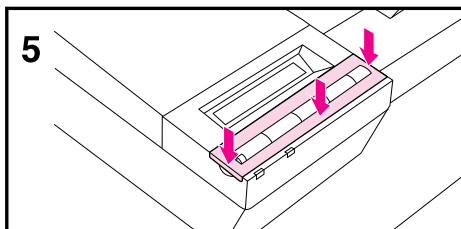
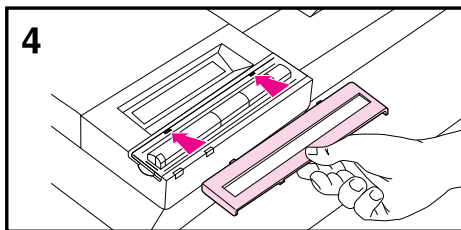
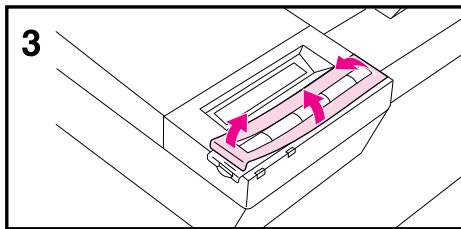
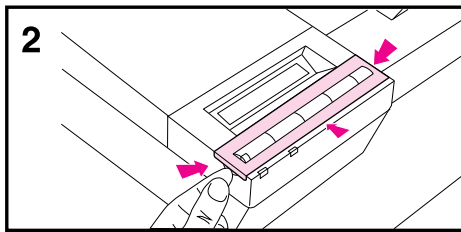


Step 6. Changing or Installing the Control Panel Overlay

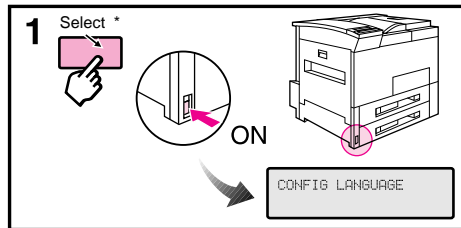


To change the overlay to a language other than English:

- 1 If you need to change the control panel overlay, locate the overlay in Box 1 and remove from its bag.
- 2 Make sure the power switch is off. Gently lift up on the left and right sides of the installed overlay.
- 3 Insert your thumbnail or a thin rigid object in front of the overlay and press toward the back of the printer, then lift the front to remove.
- 4 To install the new overlay, position it over the control panel, back side first.
- 5 Snap the overlay firmly onto the control panel. Ensure that the overlay lies flat.

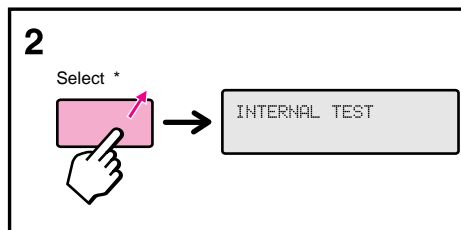


Step 7. Configuring the Display Language (Optional)



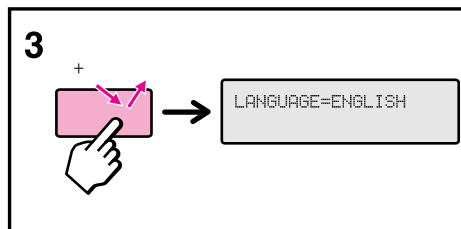
Skip this step if you want English as the display language.

1 Press and hold [Select*] while simultaneously pushing the power switch ON (**In**). Hold [Select*] until CONFIG LANGUAGE appears.

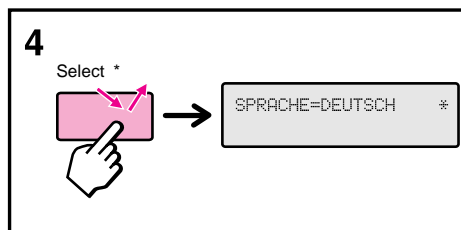


2 Release [Select*]. INTERNAL TEST appears briefly. Wait for LANGUAGE=ENGLISH to appear.

3 Press [+] repeatedly until the desired language appears. Choices will appear in the native language.



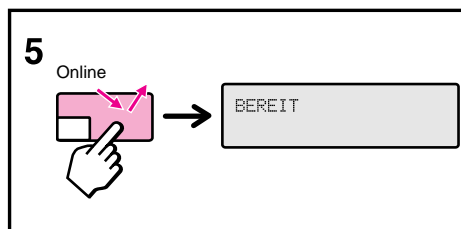
4 Press [Select*] to save your choice. (In the example, German is displayed.)



Note

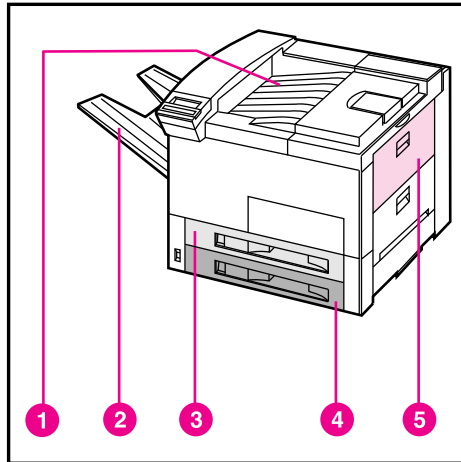
If the new language does not appear in the display, you may not have pressed [Select*] to save your new selection.

5 Press **Online**. The Control Panel display will indicate the printer is ready to use.



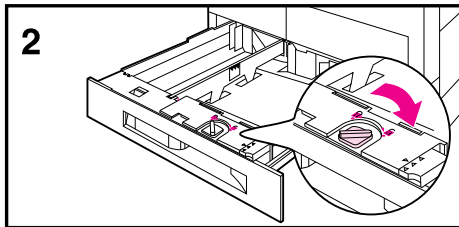
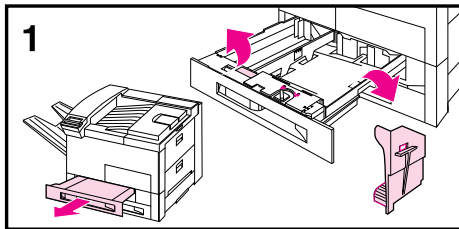
Step 8. Loading the Paper Trays

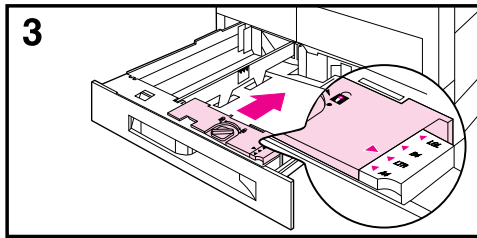
For more information on paper tray configuration, (changing size and type) see chapter 5 of the User's Guide.



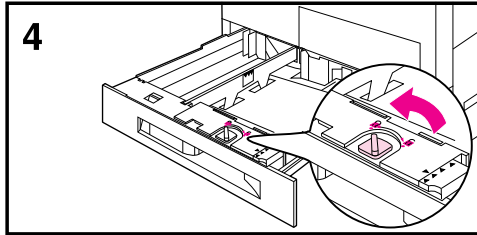
- 1 Top Output Bin (face-down)
- 2 Left Output Bin (face-up)
- 3 Paper Tray 2
- 4 Paper Tray 3
- 5 Paper Tray 1 (multi-purpose)

- 1 Open Tray 2 and remove the packing spacer and tape.
- 2 Turn tray lock to the unlocked position.

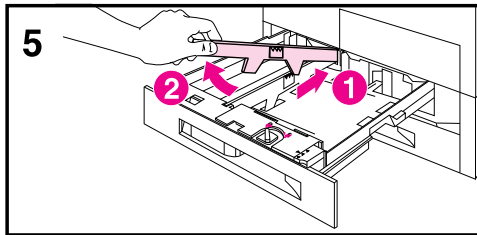




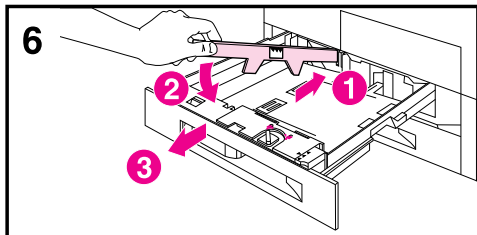
3 Slide front tray guide to desired paper size.



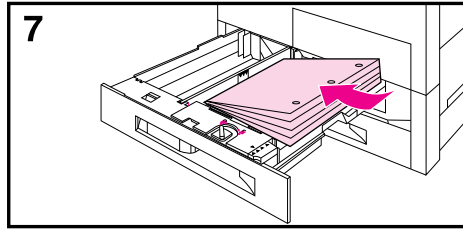
4 Lock front tray.



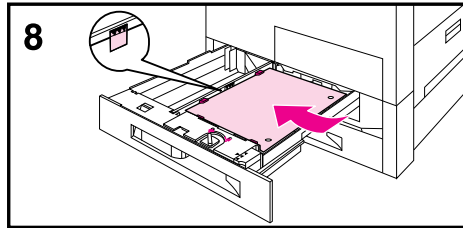
5 Push in and lift, then remove left-side paper guide.



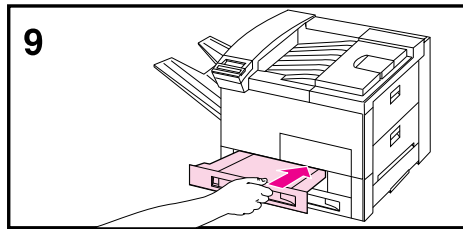
6 Move the left-side guide to the desired position and reinstall. Ensure guide is secure at front of tray.



7 Insert paper as shown. Press along the edges to make sure it lies underneath the tabs.



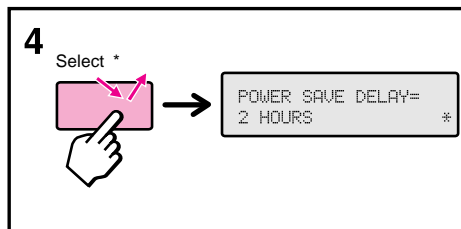
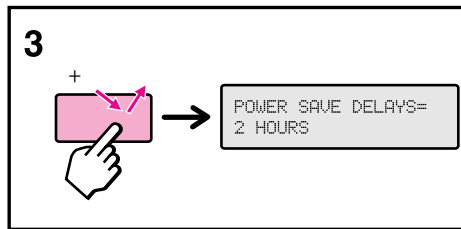
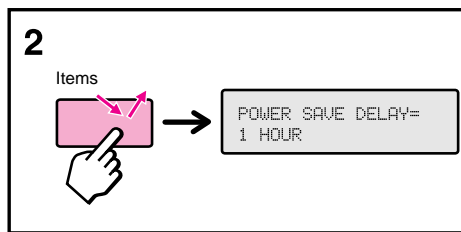
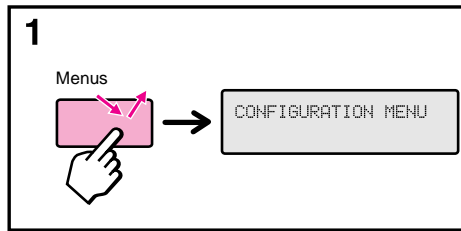
8 Do NOT over fill the paper tray. Fill to bottom of arrows shown on indicator.



9 Push the paper tray into the printer. Load Tray 3 using steps 1 through 9.



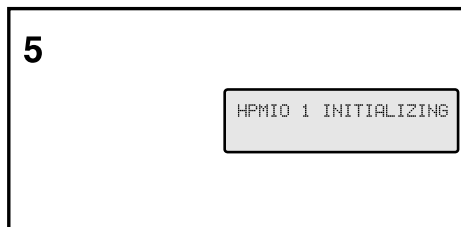
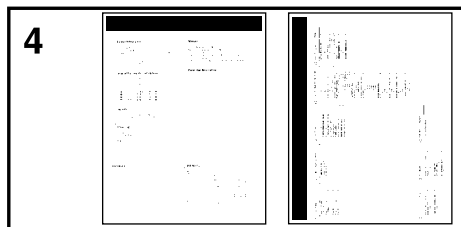
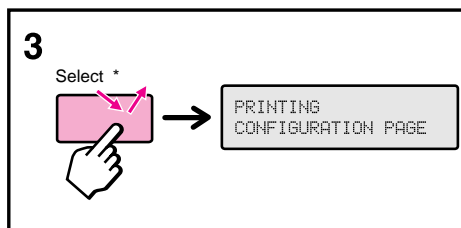
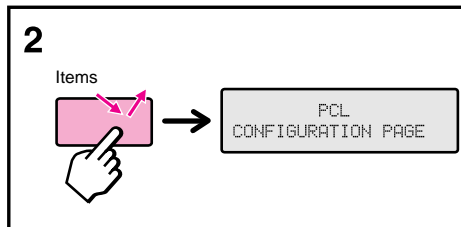
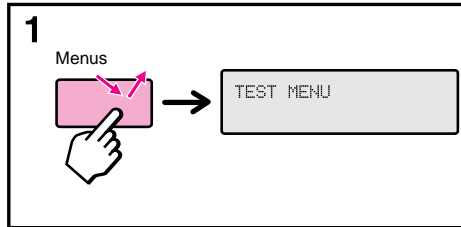
Step 9. Setting Power Save (Optional)



Power Save reduces power consumption when the printer is not in use. To change or turn off the Power Save:

- 1 Press [Menus] repeatedly until CONFIGURATION MENU appears.
- 2 Press [Items] repeatedly until POWER SAVE DELAY=1 HOUR * appears. Default is one hour.
- 3 Press [+] repeatedly to see other time setting choices between 15 minutes and 3 hours, or OFF.
- 4 Press [Select*] to save your choice. An asterisk (*) appears beside your choice.
- 5 Press Online . The Control Panel display will indicate the printer is ready to use.

Step 10. Testing Printer Operation

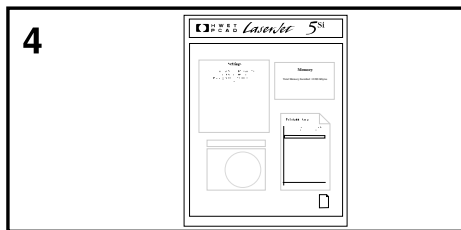
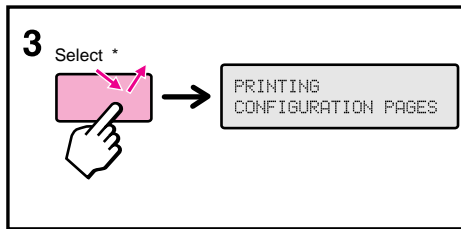
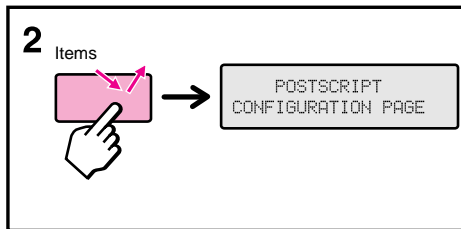
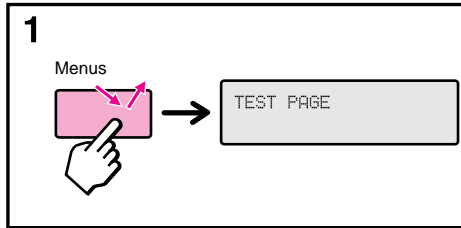


Note

For a detailed description of the PCL configuration page, refer to Chapter 4 “Using the Control Panel” in your user’s guide.

- 1 Press [Menus] repeatedly until TEST MENU appears.
- 2 Press [Items] until PCL CONFIGURATION PAGE appears.
- 3 Press [Select*] to print the PCL configuration page. PRINTING CONFIGURATION PAGE appears .
- 4 After about 30 seconds the pages print. If the configuration pages do not print, see *Troubleshooting Checklist*.
- 5 If HPMIO 1 INITIALIZING, or READY appears, continue with the next page.

Step 11. Testing Printer Operation (PostScript)



Note

PostScript is installed HP LaserJet 5Si MX printers. Test PostScript operation for the HP LaserJet 5Si MX printer by printing a PostScript configuration page. Skip this section for HP LaserJet 5Si printers unless you have purchased and installed PostScript separately.

- 1 Press **Menus** until TEST MENU appears.
- 2 Press **Items** repeatedly until POSTSCRIPT CONFIGURATION PAGE appears.
- 3 Press **Select*** to print the PostScript configuration page.
- 4 After about 10 seconds the postscript configuration page prints.

Step 12. Selecting Bi-Tronics Parallel or Network Connection

HP LaserJet 5Si, 5Si MX, and 5Si NX Printers

Both the HP LaserJet 5Si, 5Si MX, and 5Si NX printers come with a Bi-Tronics parallel port. Bi-Tronics parallel is a standard port on most DOS-based systems.

For information about configuring your printer with:

- Bi-Tronics parallel (HP parallel cable part number 24542D), go to Step 17.

NOTE

The cable used to connect the printer to the computer or LAN is not provided with the printer. It must be purchased separately.

HP LaserJet 5Si MX Printers

The HP LaserJet 5Si MX/5Si NX printer comes with a Bi-Tronics port and an HP JetDirect print server. Your HP LaserJet 5Si MX printer can be configured with:

- EtherTalk/LocalTalk
- LAN Manager
- LAN Server
- Novell NetWare
- HP-UX
- Solaris
- SunOS
- Windows for Workgroups
- Windows NT

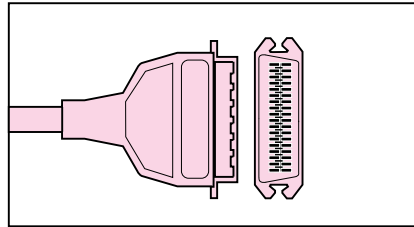
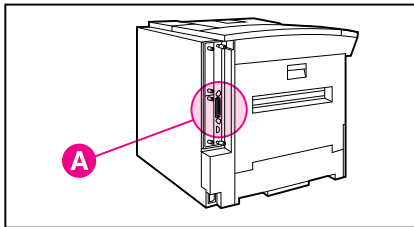
NOTE

If you wish to install a different interface card, refer to the documentation that came with the interface card or call the manufacturer of the interface card for assistance.

Step 13. Selecting Bi-Tronics Parallel Interface

A computer communicates with a printer through an interface cable. Your printer supports a Bi-Tronics parallel cable which is fully compatible with the Centronics parallel interface. This cable is connected to the back of your printer and connects to your computer.

The illustrations below show you where to attach the cable to your printer and what the end of the Bi-Tronics parallel cable looks like. If you have not purchased your interface cable, the information below will help you select a cable.

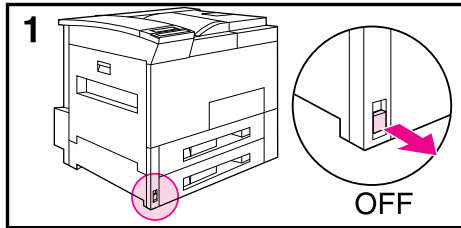


Location of Bi-Tronics parallel port (A) on the back of your printer. Parallel cable - printer end

A typical Bi-Tronics parallel cable specification for most DOS-based IBM compatibles such as HP Vectra, IBM PC/AT/PS2, Compaq, and AT&T is as follows:

Computer End	Parallel Interface Cable		Printer End
	HP Part Number	Length	
25-Pin Male Plug	HP C2950A	6.4'	36-Pin Male Plug

Step 14. Installing a Bi-Tronics Parallel Cable

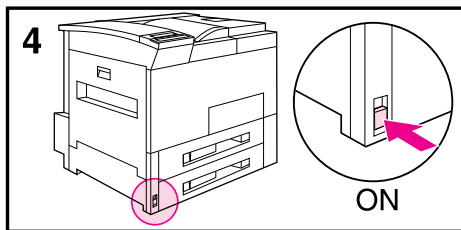
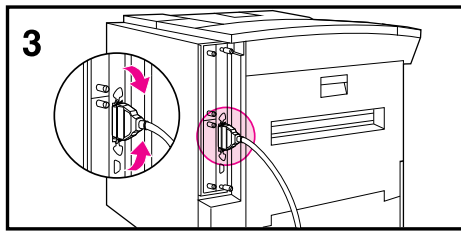
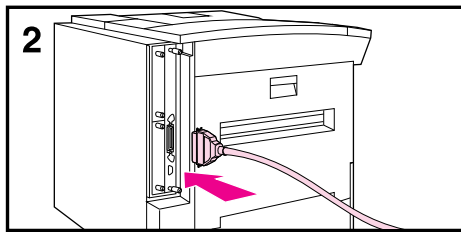


1 Make sure the printer and computer are OFF (Out).

2 Plug the cable into your computer and your printer.

3 Use the wire clips on the printer to secure the cable to your printer.

4 Turn your computer and printer ON (In).



Step 15. Verifying Communication with a Bi-Tronics Connection

To make sure your printer and computer are set up correctly to communicate to each other, print out a directory list.

- 1 Make sure your computer and printer are ON, and your printer is online. (Online indicator is lit.)
- 2 At the DOS root directory (A:\> or C:\>) type DIR>LPT1 and press [Return].

Note

If you are using a UNIX environment, use the equivalent commands.

- 3 If the Data light on the Control Panel display stays ON perform the following steps. Otherwise, continue to step 4.
 - a Press [Menus] until JOB CONTROL MENU appears.
 - b Press Items until PRESS SELECT TO FORMFEED appears.
 - c Press [Select*] to print the page.
- 4 If the directory list prints, printer setup is complete. Now you can set up your software to work with your new HP LaserJet printer.
- 5 If the printer does not print the directory list, and the printer's control panel does not display an error message, read through the *Troubleshooting Checklist* for help in solving the problem.
- 6 If an error message appears in the printer control panel display, refer to the Troubleshooting chapter (Chapter 7) in your printer user's guide for information.

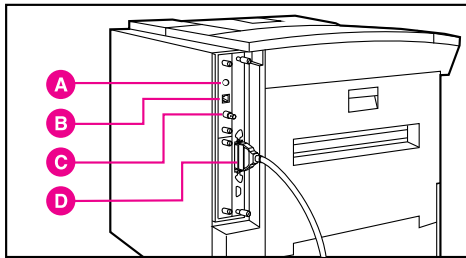
Step 16. Connecting the Printer to the Network

A computer communicates with your printer through an interface cable. Your HP LaserJet 5Si MX/5Si NX printer supports up to four different interface cables: BNC (ThinLAN), 10Base-T (RJ-45), DIN-8 (LocalTalk), and Bi-Tronics parallel. Select the appropriate interface port from those shown below for your system and connect the cable or cables to the printer.

A BNC connector, a BNC "T" connector, or a 50 Ohm terminator are not provided with the printer. If needed, they must be purchased separately.

NOTE

You may attach either a ThinLAN cable or a 10Base-T cable, but not both at the same time.

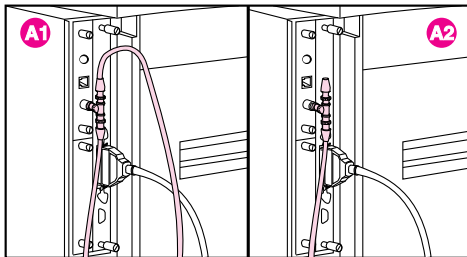


Location of interfaces

A DIN-8 (LocalTalk) Connector

B 10Base-T Connector

C BNC Connector

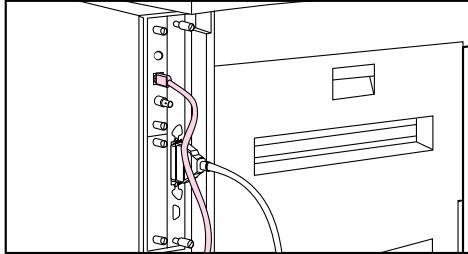


BNC Interface Connection

BNC Interface

- 1 Attach one section of your ThinLAN cable to the BNC "T" connector.
- 2 Attach another ThinLAN cable section (see A1) or a 50 Ohm terminator (see A2) to the other side of the BNC "T" connector. If you are attaching the printer to the end of your network you must connect a 50 Ohm terminator.
- 3 Connect the BNC "T" to the BNC port of your HP JetDirect print server.
- 4 If you are not connecting other network cables, go to Step 18.

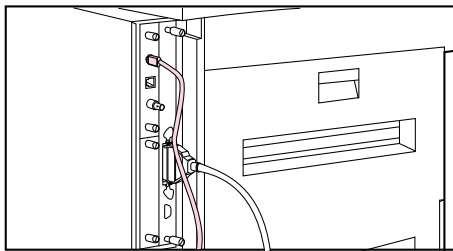
Connecting the Printer to the Network (continued)



10Base-T Interface Connector

10Base-T Interface

- 1 Plug the connector of your twisted-pair network cable into the 10Base-T port (RJ-45) on the HP JetDirect print server. The other end of the cable should be attached to a twisted-pair hub/concentrator.
- 2 If you are not connecting other network cables, go to Step 18.



DIN-8 Interface Connection

DIN-8 (LocalTalk) Interface

- 1 Plug the end of your DIN-8 cable into the LocalTalk port on the HP JetDirect print server.

NOTE

If you are using only the LocalTalk port, HP MIO 1 INITIALIZING will appear every time you turn on the printer. This message will automatically disappear after 5 minutes. If the message does not disappear, there is a problem with the print server or your network. To stop the message from appearing during normal operation, connect a BNC "T" connector with two 50-ohm terminators to the BNC connector.

Step 17. Optional Network Configuration

The following is for HP LaserJet 5Si MX/5Si NX printer only.

Certain network parameters for Novell NetWare, UNIX (HP-UX, Solaris, or SunOS), and EtherTalk networks might need to be set depending upon your network configuration. Refer to the *HP JetDirect Print Server Software Installation Guide* for completing configuration. The following pages describe the parameters that are needed for the individual networks and procedures to set those parameters from the printer control panel.

By factory default, all supported network protocols are enabled in the printer.

Disabling unused protocols will:

- Decrease printer-generated network traffic.
- Prevent unauthorized users from printing to the printer.
- Provide only pertinent information on the configuration page.
- Allow the display of warning messages on the printer control panel display to show protocol-specific error conditions.

Step 19 lists the procedures for disabling unused network protocols.

Software that allows configuration on the supported networks, NetWare 3.x or 4.x, Windows NT, IBM LAN Server, and AppleTalk, is included with the printer. If you don't have the software that you need to configure your printer, see Step 21 for sources.

Network software configuration information for your HP LaserJet 5Si MX/5Si NX printer is located in the *HP JetDirect Print Server Software Installation Guide* included with your printer.

To Select the MIO MENUS

- 1 Press [Menus] until HP MIO 1 MENU appears.
- 2 Press [Items] until CFG NETWORK=NO * appears.

Note

"NO" does not mean that the network is not configured.

- 3 Press [+] until CFG NETWORK=YES appears.
- 4 Press [Select*]. CFG NETWORK=YES* appears.

Optional Network Configuration (continued)

Configuring Novell NetWare Frame Type Parameters

Normally, selecting a NetWare frame type is not required. The HP JetDirect print server automatically selects a NetWare frame type, and only when this selection is incorrect do you have to set the NetWare frame type through the printer's control panel. The NetWare frame type is displayed on the configuration page.

To manually configure Novell NetWare parameters:

- 1 Press [Items] until CFG NOVELL=OFF * appears.
- 2 Press [+] until CFG NOVELL=ON appears.
- 3 Press [Select*]. CFG NOVELL=YES * appears.
- 4 Press [Items]. FRAME=AUTO * appears.
- 5 To configure the Novell NetWare protocol, press [+] to select one of these frame types:

NOVELL NETWARE FRAME TYPES ON AN HP JETDIRECT PRINT SERVER

Frame Type	Description
AUTO (default)	All listed Novell frame types will be allowed.
EN_8023	Limit frame types to IPX over IEEE 802.3 frames. All others will be counted and discarded.
EN_II	Limit frame types to IPX over Ethernet II frames. All others will be counted and discarded.
EN_8022	Limit frame types to IPX over IEEE 802.2 with Ethernet frames. All others will be counted and discarded.
EN_SNAP	Limit frame types to IPX over SNAP with Ethernet frames. All others will be counted and discarded.

- 6 Press [Select*] to save the selection. An asterisk (*) appears.
- 7 If other protocols will be used, continue with this section. Otherwise, skip to Step 19.

Optional Network Configuration (continued)

Configuring TCP/IP Parameters

The HP JetAdmin utility for UNIX (provided separately) may be used to configure TCP/IP parameters. If you don't have the software that you need to configure your printer, see Step 21 for sources.

- Usage of the bootp file for configuration parameters (the default is to use the bootp file)
- IP address (4 bytes)
- Subnet mask (4 bytes)
- Syslog server IP address (4 bytes)
- Default gateway (4 bytes)
- TCP connection timeout (in seconds)

To manually configure TCP/IP parameters:

- 1 Press [Items]. CFG TCP/IP = NO * appears.
- 2 Press [+]. CFG TCP/IP = YES appears.
- 3 Press [Select*]. CFG TCP/IP = YES * appears.
- 4 Press [Items] to manually configure TCP/IP parameters. BOOTP = YES * appears. If you keep BOOTP = YES *, then the values for the TCP/IP parameters will be provided by the bootp file, no other TCP/IP configuring is necessary.
- 5 Press [+] to change the value of the BOOTP = parameter. BOOTP = NO appears.
- 6 Press [Select*] to save the selection. BOOTP = NO * appears. If you selected BOOTP = NO *, then you will be prompted to configure each of the TCP/IP parameters.
- 7 Press [Items] to continue configuring. IP BYTE 1 = <value *> appears.
- 8 Press [+] until the value of the first byte of the IP address appears on the control panel display. Note that if you press and hold [+], the value will scroll rapidly.
- 9 Press [Select*] to save the value.

Optional Network Configuration (continued)

- 10 Press [Items] to continue. Repeat steps 8 and 9 to configure the remaining bytes of the IP address.
- 11 Repeat steps 8 through 10 to configure the subnet mask bytes (SM), syslog server IP address (LG), default gateway (GW), and timeout (TIMEOUT).
- 12 After completing this guide refer to the *HP JetDirect Print Server Software Installation Guide* for additional configuration instructions.
- 13 If Novell or EtherTalk protocols will be used, continue with those sections. Otherwise skip to Step 20.

Configuring Apple EtherTalk Phase Parameter

- 1 Press [Items]. CFG ETALK=NO * appears.
- 2 Press [+]. CFG ETALK=YES appears.
- 3 Press [Select*]. CFG ETALK=YES * appears.
- 4 Press [Items]. Phase = 1 or Phase = 2 appears.
- 5 Press [Items] to retain the value and continue, or press [+] to change the phase parameter.
- 6 Press [Select*] to save the new value.
- 7 Press [Online]. You may want to configure the AppleTalk name and assign a preferred EtherTalk zone. After completing this guide refer to the *HP JetDirect Print Server Software Installation Guide* for further configuration instructions on using the HP LaserJet Utility.
- 8 If Novell or UNIX protocols will be used, continue with those sections. Otherwise continue to Step 20.

Step 18. Disabling Network Protocols (Optional)

- 1 Press [Menus] repeatedly until HP MIO 1 MENU appears.
- 2 Press [Items]. CFG NETWORK=NO * appears.
- 3 Press [+]. CFG NETWORK=YES appears.
- 4 Press [Select*]. CFG NETWORK=YES * appears.
- 5 Press [Items] to scroll through each network protocol.
NOVELL = ON * appears.

To Disable Novell NetWare

- a Press [+] to change to NOVELL = OFF.
- b Press [Select*] to save the new status. NOVELL = OFF * appears.
- c Press [Items] to continue configuring. DLC/LLC = ON * appears.

To Disable DLC/LLC

- a Press [+] to change to DLC/LLC = OFF.
- b Press [Select*] to change and save the new status. DLC/LLC = OFF * appears.
- c Press [Items] to continue configuring. TCP/IP = ON * appears.

To Disable TCP/IP

- a Press **[+]** to change to TCP/IP = OFF.
- b Press **[Select*]** to change and save the new status.
TCP/IP = OFF * appears.
- c Press **[Items]** to continue configuring. ETALK = ON * appears.

To Disable Apple EtherTalk and LocalTalk

- a Press **[+]** to change to ETALK = OFF.
- b Press **[Select*]** to change and save the new status. ETALK = OFF * appears.
- c Press **[Items]** to continue configuring.

Step 19. Network Security (Optional)

The HP LaserJet 5Si, 5Si MX, and 5Si NX Printers allow you to lock out other users' ability to change most printer control panel settings. This is done by setting a password and enabling the control panel lock. To verify, the message ACCESS DENIED appears when you attempt to change a setting using the printer's control panel.

There are three ways to implement printer security:

- From the HP LaserJet Utility for Macintosh users.
- From the HP JetAdmin utility for NetWare networks.
- By entering a PJI sequence from any DOS or Windows ASCII editor.

HP LaserJet Utility (Macintosh)

- 1 Select the **HP LaserJet Utility** icon in the HP LaserJet folder on your hard drive.
- 2 If necessary, double press **Select Printer** to select the printer.
- 3 Under the Extras Menus, select **Control Panel Lock**.
- 4 In the Control Panel Lock: HP LaserJet 5Si MX screen, press the **On (Locked)** box.
- 5 Press **OK**. You will be prompted to enter a password if the password has been set. If a password has not been set, go to the next step.
- 6 Under the Extras Menus, select **Set Printer Password**.
- 7 On the Printer Security screen, enter the new password (numeric values can be set from 0 to 65535).
- 8 Press **OK**.

HP JetAdmin for NetWare Networks

- 1 Run HP JETADMIN.
- 2 Select the printer you want to configure in the main window. It is listed under its "JetDirect Interface Name" on the configuration page. Select **Printer** at the top of the main window.
- 3 Select the **Security** tab -- the Security Property Page appears.
- 4 Under Control Panel Lock, select **LOCK/UNLOCK**.
- 5 Press **OK**.

ASCII PJJ Escape Sequence

The following commands must be created using a DOS or Windows ASCII editor. They must also be sent to the printer using a DOS COPY command or an ASCII file downloader utility.

Note

In the following examples, ? represents the escape character. For more information on using escape characters, see the user's guide.

CPLOCK (Control Panel Lock): to turn on or off, assuming that a password has **NOT** been set, send the following ASCII sequence to the printer:

```
? %-12345X@PJJ JOB
@PJJ DEFAULT CPLOCK=ON [OFF]
@PJJ EOJ
? %-12345X
```

Password: send this sequence to the printer from any ASCII editor:

```
? %-12345X@PJJ JOB
@PJJ DEFAULT PASSWORD=[numeric password (0 to 65535)]
@PJJ EOJ
? %-12345X
```

If a password **HAS** been set, send the following ASCII sequence to the printer to turn CPLOCK on or off:

```
? %-12345X@PJJ JOB PASSWORD=(numeric password)
@PJJ DEFAULT CPLOCK=ON [OFF]
@PJJ EOJ
? %-12345X
```

Step 20. Installing the Software Drivers

Before you use this printer with your software applications, you must install printing software. The HP LaserJet 5Si MX Printer software is included with the printer on CD-ROM and contains the software for running the printer in various environments. Instructions for installing the printer software follow.

The CD-ROM includes software designed for end users operating in the following environments:

- Windows 3.1
- Windows 95
- Windows for Workgroups 3.11
- Windows NT 3.51 and 4.0
- IBM OS/2 version 2.0 or greater
- Macintosh System 7 or greater (Only appears in the CD-ROM directory when viewing in a Macintosh environment.)

The printing software also includes software for network administrators using the following network operating systems:

- Novell NetWare 3.x or 4.x
- Windows NT 3.51 and 4.0
- IBM LAN Server for OS/2 3.0 or greater
- Apple AppleTalk

Note

A table of the CD-ROM directory structure is located on page 37. If you want to install software or a language other than the default, use this table to find the path for the operating system and language for which you want to install printing software.

Windows

If you are operating in a Windows environment, the setup software will detect the version of the operating system that you are running. The software will be installed in the language that you have selected in your Windows Control Panel.

To begin the setup installation for Windows, perform the following instructions.

- 1 Close all applications. Turn off virus checkers and terminate stay resident (TSR) programs. After installation, these programs can be turned back on.
- 2 Exit and restart Windows.
- 3 Log onto your workstation with Supervisor or Admin privileges and insert the CD-ROM into the CD-ROM drive.

- 4 In Windows Program Manager, select the *File* menu.
- 5 Choose **Run**.
- 6 Click **Browse**.
- 7 Select the **SETUP.EXE** program file in the root directory on the CD-ROM drive.
- 8 Click **OK**.
- 9 Verify the SETUP.EXE is entered in the Command Line in the *Run* window.
- 10 Click **OK**.
- 11 Click **Continue** to install the automatically detected printing software for Windows.

Note

If you need to set up printing software for another environment or language, click **Exit** instead of **Continue** and use the CD-ROM Directory Structure Table on page 37 to find the path for the software you want to install. For example, if you want to install printing software for Windows 95 in Spanish, the path would be `\win95\Espanol\Disk1\SETUP.EXE`.

OS/2 Driver

Using the CD-ROM Directory Structure Table on page 37, find the operating system for which you want to install printing software. Next, find the correct directory for the language of the software you are installing. Change to `\DISK1` subdirectory and start the installation. To install the OS/2 PCL driver or OS/2 PostScript driver on OS/2 systems (versions 2.0 w/Service Pak or later of the OS/2 operating system), proceed as follows.

If a printer was not selected during OS/2 installation:

- 1 Open the **Templates Folder** (located in OS/2 system folder after OS/2 installation).
- 2 Point to the **Printer** template.
- 3 Press and hold mouse button 2.
- 4 Drag the template to the desktop.
- 5 Release mouse button 2.
- 6 Type a name for a printer in the **Name** field.
- 7 Select a port to which the printer is connected.
- 8 Select **Install new printer driver**. A window appears with a list of the printer drivers that are shipped with OS/2.
- 9 Select **Other printer driver**.
- 10 Insert the CD-ROM containing the printer drivers into the CD-ROM drive.
- 11 Select **Refresh**. Wait until the window fills with printer drivers.
- 12 Select one or more drivers by clicking on the left mouse button over the desired driver.
- 13 Select **Install**.

If a printer was selected during OS/2 installation:

- 1 Point to the printer object.
- 2 Click mouse button 2.
- 3 Select **Settings**.
- 4 Select the **Printer driver** tab.
- 5 Point to one of the printer driver objects.
- 6 Click mouse button 2.
- 7 Select **Install**.
- 8 Select **Other OS/2 printer driver**.
- 9 Insert the CD-ROM containing the printer drivers into the CD-ROM drive.
- 10 Select **Refresh**. Wait until the window fills with printer drivers.
- 11 Select one or more drivers by clicking on the left mouse button over the desired driver.
- 12 Select **Install**.

IBM LAN Server 3.x / 4.x

For IBM LAN Server 3.x networks, install the software on the server. On IBM LAN Server 4.x networks, install the software on the client or server. Proceed as follows:

- 1 Verify your system requirements. Refer to the appropriate chapter in the *HP JetDirect Software Installation Guide*.
- 2 Shutdown active programs.
- 3 Insert the JetDirect CD-ROM into the CD-ROM drive.
- 4 Display the OS/2 command window using the following steps:
 - a Double-click the **OS/2 System** icon
 - b Double click the **Command Prompts** icon
 - c Double-click the **OS/2 Window** icon
- 5 At the OS/2 command prompt, go to the CD-ROM drive and the OS2WARP directory on the CD-ROM. Then go to the subdirectory for the language you want.

Note

The following instructions assume you chose the \OS2WARP\ENGLISH subdirectory.

- 6 Use the JETINST command to start the installation:
JETINST <source drive:> <boot drive:> <option>
where, <source drive:> points to a directory containing these install files.
 <boot drive:> OS/2 boot partition where you want to install this software
 <option> **CLIENT** to install as a client
 or,
 HP to install as a print server (default)

For example, from the [E:\OS2WARP\ENGLISH] prompt, enter:
JETINST E: C: HP

Wait for the system to respond. Read and follow the instructions provided.

Note

PMSPL.DLL must be a version dated May 4, 1995 or later.

- 7 Installation is complete. Refer to the *HP JetDirect Software Installation Guide* to configure your printers.

Macintosh

The Macintosh partition contains an installer program for each language. To install the Macintosh Printing System, use the following instructions.

- 1 Hold down the Shift key while restarting the computer. This disables all extensions.
- 2 Insert the CD-ROM in the CD-ROM drive.
- 3 Double click the **Installer** icon for your language and follow the instructions on the screen.
- 4 Restart the computer.
- 5 Select the HP LaserJet 5Si Printer in the **Chooser**.

Configuring the Printer on the Network

Depending upon your network environment, before using the HP LaserJet 5Si Printer, your Network Administrator may need configure a printer port using PCONSOLE, JetAdmin, or other printer management utility.

- Microsoft Windows NT 3.51—Use **Create Printer** in the **Print Manager**.
- Microsoft Windows NT 4.0—Use **Printers** in **My Computer**.
- IBM LAN Server, IBM OS/2 Warp, Novell NetWare (Bindary)—Use HP JetAdmin.
- Novell NetWare (NDS)—Use PCONSOLE or NWADMIN.

For more information on configuring the printer for a network, see the *HP JetDirect Print Server Software Installation Guide*.

Disk Imaging

You may copy the software disk images to a network drive or floppy disks. For example, locate the disk image subdirectories for your operating system and language, and copy the entire directory (or directories) using File Manager, XCOPY, or another file management tool.

Use the following CD-ROM Directory Structure to determine the location of the software on the CD-ROM for the operating system and language for which you want to copy the disks.

CD-ROM Directory Structure

CD-ROM Directory Structure			
Subdirectory 1	Subdirectory 2	Subdirectory 3	Subdirectory 4
WINNT (for Windows NT)	Dansk (Danish)	Subdirectory of each disk	NA
	Deutch (German)	Subdirectory of each disk	NA
	Dutch (Dutch)	Subdirectory of each disk	NA
	English	Subdirectory of each disk	NA
	Espanol (Spanish)	Subdirectory of each disk	NA
	Francais (French)	Subdirectory of each disk	NA
	Italiano (Italian)	Subdirectory of each disk	NA
	Norsk (Norwegian)	Subdirectory of each disk	NA
	Polski (Polish)	Subdirectory of each disk	NA
	Portugus (Portuguese)	Subdirectory of each disk	NA
	Suomi (Finnish)	Subdirectory of each disk	NA
	Svenska (Swedish)	Subdirectory of each disk	NA
Turkce (Turkish)	Subdirectory of each disk	NA	
WIN3x (for Windows 3.1 and Windows for Workgroups 3.11)	Dansk (Danish)	Subdirectory of each disk	NA
	Deutch (German)	Subdirectory of each disk	NA
	Dutch (Dutch)	Subdirectory of each disk	NA
	English	Subdirectory of each disk	NA
	Espanol (Spanish)	Subdirectory of each disk	NA
	Francais (French)	Subdirectory of each disk	NA
	Italiano (Italian)	Subdirectory of each disk	NA
	Norsk (Norwegian)	Subdirectory of each disk	NA
	Polski (Polish)	Subdirectory of each disk	NA
	Portugus (Portuguese)	Subdirectory of each disk	NA
	Suomi (Finnish)	Subdirectory of each disk	NA
	Svenska (Swedish)	Subdirectory of each disk	NA
Turkce (Turkish)	Subdirectory of each disk	NA	

CD-ROM Directory Structure				
Subdirectory 1	Subdirectory 2	Subdirectory 3	Subdirectory 4	
\\WIN95 (for Windows 95)	Dansk (Danish)	Subdirectory of each disk	NA	
	Deutch (German)	Subdirectory of each disk	NA	
	Dutch (Dutch)	Subdirectory of each disk	NA	
	English	Subdirectory of each disk	NA	
	Espanol (Spanish)	Subdirectory of each disk	NA	
	Francais (French)	Subdirectory of each disk	NA	
	Italiano (Italian)	Subdirectory of each disk	NA	
	Norsk (Norwegian)	Subdirectory of each disk	NA	
	Polski (Polish)	Subdirectory of each disk	NA	
	Portugus (Portuguese)	Subdirectory of each disk	NA	
	Suomi (Finnish)	Subdirectory of each disk	NA	
	Svenska (Swedish)	Subdirectory of each disk	NA	
	Turkce (Turkish)	Subdirectory of each disk	NA	
	\\OS2	Drivers	Dansk (Danish)	PCL or PS
Deutch (German)			PCL or PS	
Dutch (Dutch)			PCL or PS	
English			PCL or PS	
Espanol (Spanish)			PCL or PS	
Francais (French)			PCL or PS	
Italiano (Italian)			PCL or PS	
Norsk (Norwegian)			PCL or PS	
Portugus (Portuguese)			PCL or PS	
Suomi (Finnish)			PCL or PS	
Svenska (Swedish)			PCL or PS	
OS/2WARP			Deutch (German)	Subdirectory of each disk
			English	Subdirectory of each disk
		Espanol (Spanish)	Subdirectory of each disk	
		Francais (French)	Subdirectory of each disk	
		Italiano (Italian)	Subdirectory of each disk	
Macintosh		Macintosh Partition contains localized installers		
\\Printmtr (An English Windows demo of an accounting software sample.)				

To Obtain Software Not Included With This Printer

The following operating systems are supported by the HP LaserJet 5Si Printer, but the software must be ordered separately:

- Microsoft LAN Manager for OS/2, v. 2.1
- Microsoft Windows NT, v. 1.0
- HP-UX v. 3.0, 9.0, 10
- SunOS v. 4.1.1, 4.1.2, 4.1.3
- SCO UNIX V/386 v. 3.2.2, 3.2.4
- Solaris v. 2.1, 2.2, 2.3, 2.4
- IBM/AIX v. 3.2.5

Your software vendor	Many application vendors have software available for this printer. You may contact your software vendor to order an updated printer software disk for your printer.
CompuServe	You can receive software for HP printers by downloading it to your computer from the HP Forum (GO HP) on CompuServe.
World-Wide Web	The address for downloading HP printer software from the World Wide Web is URL http://www.hp.com/go/cposupport
HP Distribution	To order software for HP printers by phone, call HP Distribution at (970) 339-7009. US Only.
HP Bulletin Board Service (BBS)	There is 24-hour access to HP software and technical support information for HP computers and peripheral products. Call (208) 344-1691, and set your communication software to N,8,1.
HP FIRST	For 24-hour access to information on how to order HP printer software, call HP FIRST at 1-800-333-1917 and follow the voice prompts. This information is sent to you by fax. For countries which are not listed in the table on the next page, contact your local HP dealer.

HP FIRST			
Country	Phone Number	Country	Phone Number
US	(800) 333-1917 or (208) 344-4809	Germany	0130-8100-61
United Kingdom	0-800-96-02-71	France	05-90-5900
Netherlands	06-02-22-420	Switzerland (German)	155-1527
Belgium	0800-1-1906	Switzerland (French)	155-1526
Belgium (French)	0800-1-7043	Austria	0660-8128
Finland	9800-13134	Denmark	800-10453
Norway	800-11319	Sweden	020-795743
English outside of UK	(31) 20-681-5792	Taiwan	02-791-5589
For countries not listed, contact your local HP dealer.		China	86-10-505-5280

What if I have problems with my software?

- If your CD-ROM is damaged or lost, or you need disks, call the HP Distribution at (970) 339-7009. US Only.
- For 24-hour automated support answers to common problems regarding HP software, call HP Audio Tips at (800) 333-1917. US Only.
- For assistance with technical questions regarding HP printer software, call the HP Customer Support Center. For the US and Canada call (208) 323-2551 from 6 a.m. to 6 p.m. (MT) Monday through Friday. For other countries, refer to the flyer in the printer box for a list of the European Customer Support Center phone numbers.

Troubleshooting Checklist

- *Is the control panel blank?*
Make sure all power cables are securely attached and plugged into a grounded power outlet. Make sure the printer power switch is ON.
- *Does the control panel display OFFLINE ?*
Press [\[Online\]](#).
- *Does the control panel display HP MIO 1 INITIALIZING ?*
No cable, a bad cable, or only a LocalTalk cable is attached to the HP JetDirect print server. Check the cable connection. For LocalTalk connections, the message will disappear after 5 minutes. The HP JetDirect print server may be improperly installed. Reinstall the print server. A network problem may exist. Refer to the *HP JetDirect Print Server Software Installation Guide* for troubleshooting information. Also see section **N** for addition of terminators, if necessary.
- *You cannot print from the computer using a parallel cable?*
Remove the interface cable and reconnect it, making sure it is securely fastened. Try another parallel cable under 10 feet/3 meters in length. Replace the parallel cable, if used, with an HP C2950A cable or equivalent. The wrong port may be selected or rerouted. Check the MODE statement in the AUTOEXEC.BAT file. There may be a bad port on the computer or printer. Try using a different port, or if possible, a different computer or printer to help isolate the source of the problem.
- *You cannot print using a sharing device?*
Test the printer using a cable connected directly from the computer to the printer. Contact the vendor for the sharing device for troubleshooting steps.
- *Do random garbage characters print?*
The interface cable may be bad or loose. Check the cable and the connection. If you are using a parallel cable, ensure the cable is not over 10 feet/3 meters in length.
- *Does the control panel display 13. X PAPER JAM ?*
Open the printer and clear the paper jam according to the instructions in the user's guide.
- *Does the control panel display an error message?*
Turn the printer off then back on. If the message does not clear, refer to the printer user's guide.

For Additional Assistance...

**Consult your user's
guide.**



**Call the HP Dealer from
whom you purchased
your printer.**



**Call the Hewlett-Packard
Customer Support Center.**



Write your HP dealer's telephone number here: _____