

# HP LaserJet 1010 series printer

## **Software Technical Reference**



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**Appendix**

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# 1 Purpose

This technical reference guide provides information about the HP LaserJet 1010 series printer software and troubleshooting tips. This reference is also presented in an electronic format to serve as a quick reference tool for Customer Care Center (CCC) agents, support engineers, system administrators, and second-level management information system (MIS) personnel.

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# 2 Software overview

The HP LaserJet 1010 series printers deliver LaserJet printing through a direct (local) universal serial bus (USB) (or a parallel port on the HP LaserJet 1015). Network connections are supported for the 1012 and 1015 models only via HP Jetdirect devices.

The printer comes with software for the following operating systems:

- Windows 95 (HP LaserJet 1015 only, printer driver only, not USB compatible)
- Windows 98 first edition (printer driver only)
- Windows 98 Second Edition (SE)
- Windows NT 4.0 (Service Pack 3 or higher, HP LaserJet 1015 only, printer driver only, not USB compatible)
- Windows Me
- Windows 2000
- Windows XP (32-bit)
- Mac OS 9.x (v 9.1 and higher)
- Mac OS X v10.1 and v10.2 (Apple encourages OS X v10.0 users to upgrade to v10.1)
- Linux and Unix (drivers for the HP LaserJet 1015 are available on the web at <http://www.linuxprinting.org>)
- DOS is supported only by the HP LaserJet 1015

The most recent printer drivers, additional printer drivers, and other software and documentation are available from <http://www.hp.com/support/lj1010>. Not all software is available in all languages. See the Late-breaking Readme document for the latest software information.

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**Note**

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Linux drivers for the HP LaserJet 1015 are supported by the Linux community. See <http://www.linuxprinting.org> for more information.

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**Note**

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Unix drivers are model scripts. See <http://www.hp.com/go/unixmodelscripts> for more information.

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**Note**

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HP does not support networking for the 1010 model, even through HP Jetdirect devices.

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**Note**

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Because the 1010 and 1012 models have no parallel port, they are not usable with DOS, Windows 95, 98 (first edition), or NT. These operating systems do not support USB connections.

# Printer configurations

The HP LaserJet 1010 series printers include the following configurations.

## HP LaserJet 1010

- 12 ppm for letter-size paper, 12 ppm for A4-size paper
- First page out in less than 8 seconds
- 600 x 600 dpi with HP Resolution Enhancement technology (REt)
- 150-sheet enclosed input tray
- Priority input tray
- 8 MB RAM
- 2000-page print cartridge
- Host-based printing
- USB version 2.0
- Windows 98SE, Me, 2000, and XP
- Mac OS 9.x
- Mac OS X v10.1 and v10.2
- HP Toolbox provides printer status information, troubleshooting information, and printer configuration information (Windows only)

## HP LaserJet 1012

The HP LaserJet 1012 printer includes all the features of the 1010 model, plus:

- 14 ppm for letter-size paper, 15 ppm for A4-size paper
- 1200 dpi effective output quality [600 x 600 x 2 dpi with HP Resolution Enhancement technology (REt)]

## HP LaserJet 1015

The HP LaserJet 1015 printer includes all the features of the 1012 model, plus:

- Parallel port
- 16 MB RAM
- PCL5e printing
- Windows 95, 98 (first edition), DOS, and Windows NT 4.0 driver-only install

## Printer software components

The following tables indicate which printer drivers are supported by each operating system. In the tables:

T = Typical Installation

A = Add Printer Installation

W = Web Download

### HP LaserJet 1010 and 1012

Printer drivers (installation type)	Win 95	Win 98 SE/Me	Win NT 4.0	Win 2000	Win XP-32	Mac OS 9.x	Mac OS X	Linux/Unix
Host-based driver (custom)		T		T	T			
Mac Host-based driver (typical)						T	T	

### HP LaserJet 1015

Printer drivers (installation type)	Win 95/98/DOS	Win 98 SE/Me	Win NT 4.0	Win 2000	Win XP-32	Win XP-64	Mac OS 9.x	Mac OS X	Linux/Unix
Host-based driver (custom)		T		T	T				
Mac Host-based driver (typical)							T	T	
PCL 5e driver (custom)	A	A	A	W	W	W			
Linux/Unix PCL 5e									W

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#### Note

Printer software for Windows 95 and Windows NT 4.0 must be installed on the HP LaserJet 1015 printer using the Add Printer installation method.

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#### Note

In a network environment where the HP LaserJet 1015 printer has been installed on a Windows 2000 or Windows XP operating system, driver vending to a Windows NT 4.0 operating system is not supported. That is, the printer driver cannot be installed from the Windows 2000 or Windows XP operating system to the Windows NT 4.0 operating system. However, the printer driver can be installed to a Windows 98 SE, Windows Me, or Windows 95 operating system. Refer to "Configuration for Windows sharing" on page 40.

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The HP LaserJet 1010 series printer software includes the following components.

### Windows software components

Components	Description
Add/modify/remove utility	Installs, adds components, or uninstalls software for the HP LaserJet 1010 series printer software based on the hardware it detects from the host computer (Windows 95 and NT 4.0).
HP Toolbox	Provides printer status, configuration, troubleshooting, and alert configuration for the HP LaserJet 1010 series printer. It can also be used to print configuration reports and save custom configuration settings in customer-defined INI files for later use.
Printer driver software	Allows the computer to communicate with and configure the HP LaserJet 1010 series printer. This software includes the following printer drivers: <ul style="list-style-type: none"><li>● Host-based printer driver</li><li>● The HP LaserJet 1015 printer drivers for PCL 5e (HP LaserJet 1015 only)</li></ul>
Online Help	Provides help for using the HP LaserJet 1010 series software.  The HP LaserJet 1010 series printer documentation is included on the installation CD-ROM as both CHM (online Help) files and Adobe Acrobat PDF files. The CD-ROM uses a version of Adobe Acrobat Reader that remains on the CD-ROM and does not need to be installed. However, you will need a Web browser installed on your PC to view the contents from any CHM file.
Online user guide	Provides additional information about the HP LaserJet 1010 series printer.
PDF version of user guide	Provides additional information about the HP LaserJet 1010 series printer.

## Host-based printing

Host-based printing differs from PCL printing by computing the print job on the host computer, rather than computing the print job in the formatter as in PCL printing.

## PCL printing

Use the PCL 5e printer driver (HP LaserJet 1015 only) if you need print results to look consistent with those from older HP LaserJet printers. Certain features are not available in this printer driver.

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### Note

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Do not use the PCL 5e printer driver for this printer with previous printer models.

## Mac software

The HP LaserJet 1010 series printers include the following software components for Apple Computer's Mac OS 9.x, Mac OS X v10.1, and Mac OS X v10.2 (Macintosh) operating systems.

### Mac software components

Components	Description
Printer driver software	This software includes the following printer drivers: <ul style="list-style-type: none"><li>● Host-based driver</li></ul>
USB components	This software includes the following USB components: <ul style="list-style-type: none"><li>● HP IO</li></ul>
Mac documentation	This software includes the following documentation: <ul style="list-style-type: none"><li>● HP LaserJet Utility Help</li><li>● Installation notes</li><li>● HP LaserJet printing help</li></ul>
HP LaserJet Manual Duplex & Booklet printing application	This application allows the user to do manual duplexing and create booklets with the HP LaserJet 1010 series printer
PDF version of user guide	Provides additional information about the HP LaserJet 1010 series printer

## Printer drivers for Windows

The following printer drivers are included with the printer.

### Available printer drivers

HP LaserJet 1010 and 1012 printer	HP LaserJet 1015 printer
<ul style="list-style-type: none"><li>● host-based</li></ul>	<ul style="list-style-type: none"><li>● host-based</li><li>● PCL 5e*</li></ul>

\*Default printer driver, Windows only

## Additional information about software features

### Printer driver only for Windows 95 and Windows NT 4.0

The HP LaserJet 1015 printer offers printer driver only support for Windows 95 and Windows NT 4.0.

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**Note**

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Because USB is not available for Windows 95 and Windows NT 4.0, HP LaserJet 1015 is required for these operating systems.

### To install printer software for Windows 95 and Windows NT 4.0

To install the printer software for Windows 95 and Windows NT 4.0, you must use the Add Printer Wizard.

- 1 Click **Start**, and then point to **Settings**.
- 2 Click **Printers**.
- 3 Double-click **Add Printer**.
- 4 Select the port that the printer is connected to, and then click **Next**.
- 5 Click **Have Disk**, and then click **Browse**.
- 6 On the CD-ROM, perform the following procedure to browse to the printer driver you want to install:
  - a From the directory tree, double-click the language.
  - b From the directory tree, double-click **drivers**.
  - c From the directory tree, double-click the operating system.
  - d From the directory tree, double-click the printer driver.
  - e Click **OK** to select the INF file.
  - f Click the HP LaserJet 1010 series printer, and click **OK** to begin the installation.
- 7 Follow the on-screen instructions to complete the software installation.

# Product comparison with HP LaserJet 1000, 1005, and 1200 series printers

The following table highlights some of the differences in features among the HP LaserJet 1000 series printer, the HP LaserJet 1005 series printer, the HP LaserJet 1200 series printer, and the HP LaserJet 1010 series printers.

## Note

Not all printers are available in all areas.

### General features

Feature	HP LaserJet 1000 series	HP LaserJet 1005 series (Europe and Asia only)	HP LaserJet 1200 series	HP LaserJet 1010 series
<b>Standard device memory</b>	1 MB of RAM (not expandable)	1MB of RAM (not expandable)	8 MB of RAM on HP LaserJet 1200 and HP LaserJet 1220 (expandable to 72 MB)  HP LaserJet 1200n comes with 16 MB standard	8 MB of RAM  16 MB of RAM on the HP LaserJet 1015  (not expandable)
<b>Printer languages</b>	Windows host-based printing PCL 5e emulation for MS-DOS printing	Windows host-based printing PCL 5e emulation for MS-DOS printing	PCL 6 PCL 5e PostScript® Level 2 emulation	Host-based printing  PCL 5e printing on the HP LaserJet 1015
<b>Connectivity options</b>	USB cable pod	1284-B parallel and USB	1284-B parallel and USB	USB  USB and parallel on the HP LaserJet 1015
<b>Networking</b>	Direct (local) connection with network sharing through Windows-sharing only	Direct (local) connection with network sharing through Windows-sharing only	Networking through an optional Jetdirect print server	Networking through an optional Jetdirect print server  No networking supported on the HP LaserJet 1010
<b>Jetdirect support</b>	None	None	Jetdirect support	Jetdirect support
<b>Cable</b>	2-meter USB cable with attached formatter pod	No cable in box	No cable in box	No cable in box
<b>Formatter</b>	Resides in an attachable pod connected to USB cable	Resident in printer	Resident in printer	Resident in printer
<b>Control panel</b>	Two LEDs	Two LEDs	Two LEDs and one lighted button	Three LEDs and two buttons
<b>Power switch</b>	No power switch	Power switch	Power switch on 220 and 240-volt printers only	Power switch

### General features (continued)

Feature	HP LaserJet 1000 series	HP LaserJet 1005 series (Europe and Asia only)	HP LaserJet 1200 series	HP LaserJet 1010 series
<b>Upgradability</b>	None	None	One DIMM slot for memory, fonts, and printer languages	None
<b>Supported operating systems</b>	Windows 98 SE Windows Me Windows 2000 Windows XP (32-bit)	Windows 95 Windows 98 SE Windows Me Windows NT 4.0 Windows 2000 Windows XP (32-bit)	Windows 95 (printer driver only) Windows 98 SE Windows 2000 Windows Me Windows NT 4.0 Mac OS 9.x, Mac OS X v10.1 and v10.2 Linux/Unix	Windows 98 SE Windows 2000 Windows Me Windows XP Mac OS 9.x Mac OS X v10.1 and v10.2  In addition, on the HP LaserJet 1015: Linux/Unix Windows 95/98 (printer driver only) DOS Windows NT 4.0 (printer driver only)

### Print features

Feature	HP LaserJet 1000 series	HP LaserJet 1005 series	HP LaserJet 1200 series	HP LaserJet 1010 series
<b>Print speeds</b>	10 pages per minute (ppm)  <15 seconds, first page out	14 ppm  <10 seconds, first page out	15 ppm on U.S. letter sheets  14 ppm on A4  <10 seconds, first page out	14 ppm on U.S. letter sheets. 15 ppm on A4  HP LaserJet 1010: 12 ppm on U.S. letter sheets. 12 ppm on A4  <8 seconds, first page out
<b>Print quality</b>	600 dpi	600 dpi	1200 dpi	600 x 600 x 2 dpi (effective 1200 dpi)  HP LaserJet 1010: 600 dpi
<b>Paper handling capabilities</b>	250-sheet paper input tray	250-sheet paper input tray 10-sheet priority feed tray	250-sheet paper input tray 10-sheet priority feed tray	150-sheet enclosed input tray priority input tray
<b>Duty cycle (pages per month)</b>	Up to 7000 pages maximum Averages 1000 pages per month	Up to 7000 pages maximum Averages 1000 pages per month	Up to 10,000 pages maximum Averages 1000 pages per month	Up to 7,000 pages maximum Averages 1000 pages per month
<b>Print cartridge</b>	2500-page cartridge included	2500-page cartridge included 3500-page cartridge available	2500-page cartridge included 3500-page cartridge available	2000-page print cartridge included

**Print features (continued)**

<b>Feature</b>	<b>HP LaserJet 1000 series</b>	<b>HP LaserJet 1005 series</b>	<b>HP LaserJet 1200 series</b>	<b>HP LaserJet 1010 series</b>
<b>Paper path</b>	Enclosed, C-shaped horizontal main paper path  Straight-through horizontal optional paper path	Enclosed, C-shaped horizontal main paper path  Straight-through horizontal optional paper path	Enclosed, C-shaped horizontal main paper path  Straight-through horizontal optional paper path	Enclosed, C-shaped horizontal main paper path
<b>Dimensions</b>	Width: 415 mm (16.3 in.) Depth: 486 mm (19.1 in.) Height: 253 mm (10.0 in.)	Width: 415 mm (16.3 in.) Depth: 486 mm (19.1 in.) Height: 253 mm (10.0 in.)	Width: 415 mm (16.3 in.) Depth: 486 mm (19.1 in.) Height: 253 mm (10.0 in.)	Width: 370 mm (14.6 in.) Depth: 230 mm (9.1 in.) Height: 208 mm (8.2 in.)



# 3 Product requirements

This section lists the supporting operating systems and configurations for the HP LaserJet 1010 series software, and the requirements needed to run the software on a network.

## Supported platforms

For easy printer setup and access to the full range of printer features, HP strongly recommends that you install the software provided. Not all software is available in all languages. Install the software before setting up the printer. See the Readme for the latest software information.

The most recent printer drivers, additional printer drivers, and other software are available from [www.hp.com/support/lj1010](http://www.hp.com/support/lj1010) and HP Software Fulfillment.

See page 9 for a list of the operating systems supported by printer software.

# Supported configurations

## Direct (local) connections

The HP LaserJet 1010 series printer is connected directly to the host computer with Universal Serial Bus (USB) cable or a parallel (HP LaserJet 1015 only) cable. In this configuration, the printer is not shared; a single user has complete physical control over the printer. Most users are familiar with using peripherals that are directly connected to their computers. A user can gain access to all of the capabilities of the printer in this configuration.

## Network connections

The HP LaserJet 1010 series printer also supports network connections with an HP Jetdirect print server. This print server is optional for the HP LaserJet 1010 series printer.

## Wireless connections

The HP LaserJet 1010 series printer models also support the IEEE 802.11b standard for wireless networking and Bluetooth™ wireless connectivity options. The available HP Jetdirect wireless print servers and HP Bluetooth printer adapters attach on the back of the printer to either the USB or parallel port.

### IEEE 802.11b standard

With the wireless HP Jetdirect 802.11b print server, HP peripherals can be placed anywhere in the office or home and connected to a wireless network running Microsoft, Apple, Netware, UNIX, or Linux network operating systems. This wireless technology provides a high-quality printing solution without the physical constraints of wiring. Data transmission rates vary according to system architecture and distance from the access point.

Use the HP Install Network Printer Wizard to install the network software.

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#### Note

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HP Jetdirect 802.11b print servers are available for USB and parallel connections.

# System requirements for HP LaserJet 1010 series printer software

For both direct and network connection, all of the computers that use the printer must meet the following minimum requirements as listed below.

IBM-compatible computer with an available USB or parallel port (HP LaserJet 1015 only) and the following:

- **Windows 95** (printer driver only, parallel connections only, HP LaserJet 1015 only): Pentium 90 MHz processor or faster and 32 MB or more of RAM
- **Windows NT 4.0** (Service Pack 3 or higher, printer driver only, parallel connections only, HP LaserJet 1015 only): Pentium 90 MHz processor or faster and 32 MB or more of RAM
- **Windows 98**: Pentium 90 MHz processor or faster and 32 MB or more of RAM
- **Windows Me**: Pentium 150 MHz processor or faster and 32 MB or more of RAM
- **Windows 2000**: Pentium 133 MHz processor or faster and 64 MB or more of RAM
- **Windows XP (32-bit)**: Pentium II 300 MHz processor or faster and 128 MB or more of RAM

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## Note

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Windows 95 and Windows NT 4.0 do not support USB. You must use a parallel connection (HP LaserJet 1015 only) or network connection to use one of these operating systems.

## For Windows systems

The HP LaserJet 1012 and 1015 series software has the following additional requirements for network connections:

- TCP/IP protocol installed

## For Mac OS systems

Any Macintosh computer using the HP LaserJet 1010 series software has the following minimum system requirements:

- **Mac OS 9.1 and higher:** PowerPC processor and 96 MB of RAM.
- **Mac OS X v10.1 and v10.2:** Power Mac G3, G4, iBook, or eMac and 128 MB or more of physical RAM. A built-in display or a display connected to Apple-supplied video card is required.
- 100 MB or more of free hard disk space
- A USB port

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### Note

For a direct connection to a Macintosh computer, the computer must have a USB port. Parallel cable connections are not supported.

- A CD-ROM drive (required for installation)

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### Note

Mac OS X does not support PowerBook G3 or processor upgrade cards.

# Requirements for network connection

## Requirements for end-user client computers

The network computers that will be using the HP LaserJet 1010 series software need to meet the minimum system requirements listed in the previous section.

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**Note**

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Certain Novell NetWare configurations are not supported by the HP LaserJet 1010 software.

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**Note**

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Windows Terminal Server and Citrix MetaFrame should use the latest Windows 2000, Windows XP, or Windows 9X PCL drivers available from <http://www.hp.com>.

## Network requirement

The following are required for the HP LaserJet 1010 series printer to work on a network:

### For Windows systems

- A cable for your type of network connection (not included). (This cable is used to connect the HP Jetdirect print server to a network port.)
- An installed network using the TCP/IP or IPX/SPX network protocol.

If the TCP/IP protocol will be used, you must configure the HP Jetdirect print server for a direct peer-to-peer connection from the computer to the printer for network users to have the full print functionality of the HP LaserJet 1010 series printer.

If the IPX/SPX protocol will be used, you must configure the HP Jetdirect print server for a direct peer-to-peer connection (sometimes called IPX direct mode) from the computer to the printer for network users to have the only print functionality of the HP LaserJet 1010 series printer.

In order to have full functionality, including the HP Toolbox, you also need TCP/IP.

---

**Note**

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Novell NetWare server configurations (Queue Server, IPX NDPS, IP NDPS, and so on) are not supported.

## For Mac systems

- A cable for your type of network connection (not included). This cable is used to connect the HP Jetdirect print server to a network port.

### Note

Peer-to-peer sharing may work but is not supported on Mac OS systems.

## HP Jetdirect print servers

The following table shows the HP Jetdirect print servers that are supported by the HP LaserJet 1010 series printers.

### HP Jetdirect print servers

HP Jetdirect model	Description	Firmware
HP Jetdirect 500x (J3265A)	This model connects the HP LaserJet 1015 printer to a 10Base-T or 100Base-TX Ethernet network via a bi-directional parallel port. It supports Windows, Novell, Apple, and OS/2 operating systems.	Version 9.x or later upgradable
HP Jetdirect 500x TR (J3264A TR)	This model connects the HP LaserJet 1015 printer to a Token Ring network via a direct-to-network connection using a parallel port. It supports Windows, Novell, Apple, and OS/2 operating systems.	Version 9.x or later upgradable
HP Jetdirect 310X (J6038A)	This model connects the HP LaserJet 1012 printer to a 10/100Base-TX Ethernet network. It is an external network print server that connects to the printer via the printer's USB port. It supports several Windows, Apple, Novell, and other operating systems.	Upgradable
HP Jetdirect 300x (J3263A)	This model connects the HP LaserJet 1015 printer to a 10/100Base-TX Ethernet network. It is an external print server that connects to the printer via a parallel port. It supports Windows, Apple, Novell, and OS/2 operating systems.	Version 9.x or later upgradable
HP Jetdirect 170X (J3258B or later)	This model connects the HP LaserJet 1015 printer via a parallel port. It is an external print server that has a high-speed, bi-directional parallel port (IEEE 1284) that connects the device. It supports Ethernet or IEEE 802.3 type 10Base-T networks using unshielded twisted-pair cable and RJ-45 connectors. It supports Windows and several Novell network environments, but does not support a Macintosh environment.	Version 8.x or later. Not upgradable
HP Jetdirect 380x (J6061A)	This model connects the HP LaserJet 1012 printer to a 802.11b wireless network. It is an external network print server that connects to the printer's USB port.	Upgradable
HP Jetdirect WP110 (J6061A)	This model connects the HP LaserJet 1015 printer to a 802.11b wireless network. It is an external network print server that connects to the printer's parallel port.	Upgradable

# 4 Installing the HP LaserJet 1010 series software

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**Note**

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HP recommends installing the HP LaserJet 1010 series software before connecting the printer to the computer. Wait for the prompt to connect the printer.

## Overview of software installation

This section provides information for installing the HP LaserJet 1010 series printing system software using Windows and Macintosh operating systems. See page 9 for a list of the operating systems supported by printer software.

The HP LaserJet 1010 series software is shipped on one CD-ROM. On Windows systems, the Setup program installs the HP LaserJet 1010 series software from the CD-ROM to the hard disk and updates Windows files. On Mac OS systems, the HP LaserJet 1010 series Installer program installs the HP LaserJet 1010 series software from the CD-ROM to the hard disk.

On installation, you are presented with the following options:

- **Typical installation** (installs all of the basic components in the default locations)
- **Custom installation** (allows you to specify components and locations for installation)

On Mac OS systems, the HP LaserJet 1010 series printers use the HP LaserJet 1010 Installer. Also, printer software will only install on the current system startup drive that contains the active System folder.

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**Note**

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Moving the HP LaserJet Software folder after installation may cause the program not to work.

On all of the supported platforms, each install option presents you with a series of query dialog boxes that guide you through the installation. The Installer will guide you through the installation, whether you are configuring a directly-connected or networked HP LaserJet 1010 series printer.

The installer has the ability to detect hardware and network connections and help guide the installation. For instance, if the installer detects an HP LaserJet 1010 series printer, it can automatically configure the software's connection to that printer. This saves the user several steps.

# Installation options for Windows

## To install the printer driver for Windows 95

To install the printer driver for Windows 95 and Windows NT 4.0, you must use the Add Printer Wizard.

- 1 Click **Start**, and then point to **Settings**.
- 2 Click **Printers**.
- 3 Double-click **Add Printer**.
- 4 Select **local printer**, and then click **Next**.

---

### Note

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Windows 95 does not support USB connections. You must use a parallel connection (HP LaserJet 1015 only) to use this operating system.

- 5 Click **Have Disk**, and then click **Browse**.
- 6 On the CD-ROM, perform the following procedures to browse to the printer driver you want to install:
  - a From the directory tree, double-click the language.
  - b From the directory tree, double-click **drivers**.
  - c From the directory tree, double-click the **Win9X\_ME** folder.
  - d From the directory tree, double-click the **PCL 5e** driver folder.
  - e Click **hp130025.inf** to select the INF file.
  - f Click **OK** to begin the installation.
- 7 Follow the on-screen instructions to complete the software installation.

## To install the printer driver for Windows NT 4.0

To install the printer driver for Windows NT 4.0, you must use the Add Printer Wizard.

---

### Note

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Windows NT 4.0 does not support USB connections. You must use a parallel connection (HP LaserJet 1015 only) to use this operating system.

- 1 Click **Start**, and then point to **Settings**.
- 2 Click **Printers**.
- 3 Double-click **Add Printer**.
- 4 Select **My Computer**, and then click **Next**.
- 5 Select the appropriate port, and click **Next**.

---

### Note

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For a local connection, the port is LPT1.

- 6 Click **Have Disk**.
- 7 Click **Browse** and select the appropriate letter for the CD-ROM drive. If the letter for the CD-ROM drive does not appear in the drop down list, type the correct letter followed by a colon and a forward slash. For example, type E:/.
  - a Double-click the folder for your language.
  - b Double-click **Drivers**.

- 10 Double-click the **WinNT** folder.
- 11 Double-click the **PCL 5e** driver folder.
- 12 Click **hp130025.inf** to select the INF file.
- 13 Click **Open**.
- 14 In the Install from Disk dialog box, click **OK**.
- 15 Click **Next**.
- 16 Choose the printer name (this is optional), and the default printer options. Click **Next**.
- 17 Select whether the printer will be shared, and click **Next**.
- 18 Select **Yes, print a test page**, and click **Finish** to complete the driver installation.

### To install printer software for all other Windows operating systems

- 1 Close all programs.
- 2 Place the HP LaserJet 1010 series printer software CD-ROM into the CD-ROM drive.
- 3 Wait for autorun to begin the software installation. If the Welcome screen does not open, click **Start** on the Windows task bar, click **Run**, type **Z:\hpsetup** (where **Z** is your CD-ROM drive letter), and then click **OK**.
- 4 Read the information on the Welcome screen, and then click **install printer**.
- 5 Read the software licensing agreement, and then click **Next**.
- 6 Select the printer connection method, and then click **Next**.
- 7 Select the connector type, and then click **Next**.
- 8 Select the installation type, and then click **Next**.
- 9 To accept the default printer name and default printer, click **Next**, or type a new name and select a different default printer, and then click **Next**.
- 10 Select a shared printer option, and then click **Next**.
- 11 In the text box, type a location and comment (optional), and then click **Next**.
- 12 Click **Install** to install the software.
- 13 Connect the printer to the computer.

---

#### Note

New Hardware Found messages are not visible in Windows XP.

- 14 On-screen check boxes allow you to print a printer driver test page, read release notes, check for Web updates, and register the printer online. The **print a driver test page** check box is selected by default. You can accept one or all of these settings, and then click **Finish**. The following options are available:
  - To print a test page, a dialog box asks if the test page printed correctly. Click **Yes** to close the dialog box and finish the installation, or click **Troubleshoot** (or click **No** in Windows 98 SE and Windows Me) to launch the Windows print-troubleshooting tool.
  - If you chose to read release notes, select the **read release notes** check box.
  - To check for Web updates, select the **check for web updates** check box.
  - If you chose to register the printer online, your browser launches and displays the online registration screen at <http://www.hp.com>. Follow the on-screen directions to register your printer.

Once you have completed the registration or if you did not choose to register the printer online, and a dialog box that describes the benefits of registering the printer appears, click **OK** to finish.

- 15** You must restart the computer for the configuration changes to be made to the HP LaserJet 1010 series printer to take effect. Click **Yes** to restart now, or click **No** to restart later.

#### For Windows XP

HP recommends installing the HP LaserJet 1010 series software before connecting the printer to the computer. However, if you do connect the hardware first on Windows XP using a USB connection, it is recommended that you accept the default settings that appear in the New Hardware wizard for correct installation.

#### For Windows 2000

HP recommends installing the HP LaserJet 1010 series software before connecting the printer to the computer. However, if you do install the hardware first on Windows 2000 using a parallel port, a warning dialog box may appear that states that the software you are installing has not passed Windows Logo testing. Click **Continue Anyway**, and a signed printer driver will be installed successfully.

#### Note

If the New Hardware Found message appears on the screen, click **Cancel**. Insert the software CD-ROM that came with the printer into the computer CD-ROM drive. Follow the on-screen installation instructions.

## Installation text options (Windows 98 SE, Me, 2000, and XP only)

After inserting the CD-ROM, the Welcome screen appears. The following text options are available during installation in Windows operating systems.

#### Windows installation text options

Screen/Field	Description	Default
<b>Welcome screen</b>	Use this screen to select from the following options: <ul style="list-style-type: none"> <li>● <b>install printer</b> Click this option to start the installation process, and open the HP LaserJet 1010 Setup Wizard.</li> <li>● <b>customization utility</b> Click this option to start the customization utility.</li> <li>● <b>register product</b> Click this option to register the HP LaserJet 1010 series printer software.</li> <li>● <b>view documentation</b> Click this option to view the HP LaserJet 1010 series product documentation.</li> <li>● <b>support</b> Click this option to access HP online support and order supplies online.</li> </ul>	N/A
<b>HP LaserJet 1010 Series Setup</b>		
<b>Software License Agreement</b>	Click this button to view the HP Software License Agreement. Click <b>OK</b> to accept or close the window to return to the HP LaserJet 1010 Setup window.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>

## Windows installation text options (continued)

Screen/Field	Description	Default
<b>Installation Notes</b>	Click this button to open the Printing System Late-breaking Readme file.	N/A
<b>Printer Connection</b>	To connect the printer, select one of the following options: <ul style="list-style-type: none"> <li>● <b>Connected directly to this computer</b></li> <li>● <b>Connected via the network</b></li> </ul>	<b>Connected directly to this computer</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Connector Type</b>	To select a connector type, select one of the following options: <ul style="list-style-type: none"> <li>● <b>Parallel Cable</b> Select the port from the drop-down list.</li> <li>● <b>USB Cable</b></li> <li>● <b>Other</b> Select the port from the drop-down list.</li> </ul>	<b>Parallel Cable</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Installation Type</b>	To select an installation type, select one of the following options: <ul style="list-style-type: none"> <li>● <b>Typical Installation</b> Includes: Screen Fonts, HP LaserJet Toolbox, and an hp 1010 Series LaserJet printer driver (printer driver varies depending on printer model)</li> <li>● <b>Custom Installation</b> Lists all available installation options</li> </ul>	<b>Typical Installation</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Custom Installation group</b>		
<b>Features</b>	Select the features you want to install from the drop-down list. Click the arrow to the left of each feature, and then select one of the following options: <ul style="list-style-type: none"> <li>● <b>This feature will be installed on local hard drive.</b></li> <li>● <b>This feature, and all subfeatures, will be installed on the local hard drive.</b></li> <li>● <b>This feature will not be available.</b> Clicking this option will prevent the feature from being installed.</li> </ul>	N/A
<b>Help</b>	Click <b>Help</b> to open the Custom Setup Tips window. This window describes and contains information about the install state icons.  Click <b>OK</b> to return to the Setup Wizard.	N/A

## Windows installation text options (continued)

Screen/Field	Description	Default
<b>Space</b>	Click this button to view the disk space requirements and available space for the selected features.  Click <b>OK</b> to return to the Setup Wizard.	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Replace Drivers</b>	If HP LaserJet 1010 series software has previously been installed and uninstalled, this window may appear. Select one of the following options:  <ul style="list-style-type: none"> <li>● <b>Keep existing drivers</b></li> <li>● <b>Replace existing drivers</b></li> </ul>	<b>Replace existing drivers</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Printer Name</b>	Specify a name for this printer or use the default name.  Clear the check box if you do not want this printer as the default printer.	Varies depending on the printer model.
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Printer Sharing</b>	Select one of the following options:  <ul style="list-style-type: none"> <li>● <b>Not Shared</b></li> <li>● <b>Share as:</b> If this option is selected, specify a name for each printer driver type.</li> </ul>	<b>Not Shared</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Printer Location and Comment</b>	Enter a text description of the printer and location if desired.	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Ready to Install</b>	Click <b>Install</b> to begin the installation	N/A

## Windows installation text options (continued)

Screen/Field	Description	Default
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Installing HP LaserJet 1010 status window</b>	This window displays the status of the installation process. This process may take several minutes.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Looking for new hardware</b>	If this window appears, connect the printer to the computer and turn the printer on.	N/A
<b>Cancel</b>	Clicking this button cancels the installation process and displays the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Finish</b>	This window displays the following options: <ul style="list-style-type: none"> <li>● <b>Print Driver Test Page</b> To print a test page, select this option.</li> <li>● <b>Read Release Notes</b> To display the Late-breaking Readme file, select this option.</li> <li>● <b>Check for Web Updates</b> To open the HP Software Update Wizard, select this option.</li> <li>● <b>Register Product</b> To register this product, select this option.</li> </ul> Select or clear any or all check boxes, and then click <b>Finish</b> .	Selected
<b>Test Page</b>	This window appears if <b>Print Driver Test Page</b> was selected. If the test page printed correctly, click <b>OK</b> . If the test page did not print, click <b>Troubleshoot</b> . The Windows Print Troubleshooter opens.	N/A
<b>HP LaserJet 1010 Installer Information</b>	This screen prompts the user to restart the computer to make the configuration changes. To restart now, click <b>Yes</b> . To restart later, click <b>No</b> .	N/A
<b>customization utility</b>	Click this option to start the customization utility.	N/A
<b>Customization Utility group</b>		
<b>HP LaserJet 1010 Setup Wizard</b>	To continue, click <b>Next</b> . To stop the installation process, click <b>Cancel</b> . The HP LaserJet 1010 Setup Interrupted screen displays. Click <b>Finish</b> to exit the Setup Wizard.	N/A
<b>Language</b>	From the drop-down list, select the language.	<b>English</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Printer Port</b>	To select the printer port, select one of the following options: <ul style="list-style-type: none"> <li>● <b>Queue Name\Path</b> Browse and select the printer name and path.</li> <li>● <b>Local Port</b></li> <li>● <b>New TCP/IP Port</b></li> <li>● <b>New IPX Port</b></li> </ul>	NA

## Windows installation text options (continued)

Screen/Field	Description	Default
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Connector Type</b>	To select the connector type, select one of the following options: <ul style="list-style-type: none"> <li>● <b>Parallel Cable</b> Select the port from the drop-down list.</li> <li>● <b>USB Cable</b></li> <li>● <b>Other</b> Select the port from the drop-down list.</li> </ul>	<b>Parallel Cable</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Features</b>	Select the program features to install from the following HP LaserJet 1010 series options: <ul style="list-style-type: none"> <li>● <b>HP LaserJet 1010 Series Driver</b></li> <li>● <b>HP LaserJet Toolbox</b></li> <li>● <b>Screen Fonts</b></li> </ul> <b>Note:</b> These options vary depending on the printer model.	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Printer Name</b>	Specify a name for this printer, or use the default name.  Clear the check box if you do not want this printer as the default printer.  From the drop-down list, select the default printer driver.	Varies depending on the printer model.
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Printer Sharing</b>	Select one of the following options: <ul style="list-style-type: none"> <li>● <b>Not Shared</b></li> <li>● <b>Share as:</b> Specify a name for each printer driver type.</li> </ul>	<b>Not Shared</b>
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>

## Windows installation text options (continued)

Screen/Field	Description	Default
<b>Printer Location and Comment</b>	Enter a text description of the printer and location (optional).	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Custom Installer Location</b>	Enter the location for the customized installer, or click <b>Change</b> to browse to the location.	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Install</b>	Click <b>Install</b> to start the installation process.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Change Current Destination Folder</b>	Browse to and then click the destination folder, and then click <b>OK</b> . The Custom Installer Location window displays again. To start the installation process, click <b>Install</b> .	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Click this button to cancel the installation process and display the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Finish</b>	Click <b>View readme file</b> to open and display the HP LaserJet Installer Customization Wizard Readme File Contents.  Click <b>Finish</b> to complete installation of the customization utility and return to the Welcome screen.	N/A
<b>register product</b>	To register a product, select one of the following options: <ul style="list-style-type: none"> <li>● <b>WWW Registration</b> Click this option to open the HP registration Web page in your browser. Follow the instructions on the Web page to register your HP LaserJet 1010 series software.</li> <li>● <b>Exit</b> Click this option to open a window. Select one of the following options: <ul style="list-style-type: none"> <li>• <b>Continue</b> Continues the registration process.</li> <li>• <b>Exit</b> Click to return to the Welcome screen.</li> </ul> </li> <li>● <b>Electronic Registration</b> Click this option to start the electronic HP registration process.</li> </ul>	N/A

## Windows installation text options (continued)

Screen/Field	Description	Default
<b>view documentation</b>	<p>To view the documentation, select one of the following options:</p> <ul style="list-style-type: none"><li>● <b>view user guide</b> This option opens the online user guide.</li><li>● <b>print user guide</b> This option allows the user to print the user guide from an Adobe Acrobat PDF file. <b>Note:</b> Adobe Acrobat must be installed on the computer to use this feature.</li><li>● <b>release notes</b> This option displays the Printing system Late-breaking Readme file.</li></ul>	N/A
<b>support</b>	<p>Select one of the following options:</p> <ul style="list-style-type: none"><li>● <b>hp.com</b> This option opens the Web browser to the hp.com Web site.</li><li>● <b>product information</b> This option allows the user to select online support for either the HP LaserJet 1010 series printer and opens the HP customer care Web page.</li><li>● <b>supplies</b> This option opens the Web browser to the HP order supplies Web page.</li></ul>	N/A

## Installation log files (Windows systems)

The main logging file (product monitoring file) for the HP LaserJet 1010 series installer is hplj1010.his. If multiple installs are attempted or completed, the older log files will be designated hplj1010.hi1 or .hi2, and so on. This file is located in the Windows or WinNT directory, depending on the operating system. The file contains a list of actions performed during the installation process.

### Other log files

During the installation process, the following two additional files are created that may be useful for troubleshooting.

- hpgeneral.ini (contains a log of settings selected by the user during installation)
- compdata.ini (contains driver setting information)

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#### Note

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These files are only available while the installer is running and the installer deletes them during cleanup.

Since their location varies from system to system, the best way to locate these files is to perform a file search. They are placed in the temp directory, defined by the %TEMP% variable.

# Installation for Mac OS (Network or Direct)

## HP LaserJet 1010 series

### Mac OS 9.1 or later

To install the software on a Mac computer running Mac OS 9.1 or higher, perform the following procedure:

- 1 Connect the HP LaserJet 1010 series printer to the computer.
- 2 Insert the printer software CD-ROM into your CD-ROM drive.
- 3 If the CD-ROM does not auto-launch, go to the desktop, and then double-click the **HP LaserJet 1010** CD-ROM icon.
- 4 Double-click the **HP LaserJet 1010** folder.
- 5 Double-click the **HP LaserJet Installer Classic** icon.
- 6 Click **Continue**, click **Accept**, click **Continue**, and then click **Install**.
- 7 From the **Apple** menu, select the **Chooser**.
- 8 On the top-left side of the Chooser dialog box, click the **HP LaserJet** icon.
- 9 Do one of the following, depending on how the computer and printer are connected:
  - a **TCP/IP**: Select yes to scan for TCP/IP network printers in the pop-up dialog.
  - b **USB**: Go to step c.
  - c **AppleTalk**: In the lower left side of the Chooser dialog box, select the correct AppleTalk Zone for your printer. On the right side of the Chooser dialog box, click the **HP LaserJet 1010** printer name.
- 10 Close the Chooser.

### Mac OS X v10.1 or higher

To install the software on a Mac computer running Mac OS X v10.1 or higher, perform the following procedure:

- 1 Connect the HP LaserJet 1010 series printer to the computer.
- 2 Insert the printer software CD-ROM into your CD-ROM drive.
- 3 If the CD-ROM does not auto-launch, go to the desktop, and then double-click on the **HP LaserJet 1010** CD-ROM icon.
- 4 Double-click the **HP LaserJet 1010** folder.
- 5 Double-click the **HP LaserJet Installer OS X** icon.
- 6 Enter your password and click **Continue**.
- 7 Click **Continue**, click **Accept**, click **Continue**, and then click **Install**.
- 8 Print Center should launch automatically. If it does not:
  - a Double-click the hard drive icon.
  - b Click **Applications**, and then click **Utilities**.
  - c Double-click **Print Center**.
- 9 Click **Add Printer**. The **Add Printer List** dialog box appears.
- 10 Do one of the following, depending on how the computer and printer are connected:

- a **USB:** Go to step 11.
  - b **AppleTalk:** Select the correct AppleTalk Zone.
  - c **TCP/IP:** Select "hp ip printing" for connecting to your TCP/IP printer.
- 11 Select the printer name from the printer list.
  - 12 Click **Add**.

## Installation instructions for networked computers

This section contains instructions for installing the HP LaserJet 1012 or 1015 printer software on network computers running Windows 95, 98, Me, NT 4.0, 2000, XP, or Mac OS 9.x, or OS X (version 10.1 or later).

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### Note

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Each computer system must have the appropriate printer driver for the operating system installed. PCL 5e printer drivers can be shared between Windows 2000 and Windows XP operating systems and between Windows 95, Windows NT 4.0, Windows 98 SE, and Windows Me operating systems. However, the printer drivers cannot be shared between the two groups of operating systems. For more information, see information in "Printer software components" on page 11.

### Using an HP Jetdirect external print server

The HP LaserJet 1010 series printer must be set up and connected to the network through an HP Jetdirect print server, and turned on before installing the HP LaserJet 1010 series software.

Also, if you are using HP Web Jetadmin to set up the HP Jetdirect print server, make sure you do not create an HP Jetdirect port when you connect the printer to the print server.

To connect an HP LaserJet 1010 series printer to a network using an HP Jetdirect external print server, perform the following procedure:

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### Note

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You must complete the procedure in order, or the Installer's discovery utility will fail to see the printer.

- 1 Turn off power to the printer before connecting the HP Jetdirect print server.
- 2 Connect the HP Jetdirect print server to the printer's appropriate port (parallel or USB).
- 3 Plug in the HP LaserJet 1010 series printer to a power source.
- 4 To print an HP Jetdirect test page, press the Test button on the HP Jetdirect print server.
- 5 To complete the printer installation, install the HP LaserJet 1010 series software. Use the information from the test pages to complete the network variables during installation.

### Network installation for Windows systems

This software is available only when the printer is connected to a network.

- 1 If the welcome screen does not open, click **Start**, click **Run**, type **X:\SETUP** (where **X** is the letter of your CD-ROM disk drive), and then click **OK**.
- 2 When the installation is nearly complete, a setup screen appears that asks whether or not you want to print a test page. Click **Yes**.

## **Network installation for Mac systems (HP LaserJet 1010 printer)**

To install the software on a Mac computer for a printer connected to a network through an HP Jetdirect print server, see page 39.

### **Discovery process during installation**

During the HP LaserJet 1010 series software installation, the software searches for an HP LaserJet 1010 series printer on the network. If the HP Jetdirect print server does not have the supported firmware, the print server will not be detected during discovery. After the discovery process is complete, the printer will appear to be connected to the HP Jetdirect print server.

## Configuration for Windows sharing

This section contains instructions for using Windows sharing to make the printer available to network users when the printer is directly connected to a computer.

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### Note

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Peer-to-peer sharing is not available for Mac OS systems.

Once the printer is shared, install the printer drivers on all the computers you want to print to the printer. For Windows 95, 98, Me, NT 4.0, 2000, or XP, perform the following procedure to enable sharing.

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### Note

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You might need the printer software CD-ROM to complete the printer driver installations.

Perform the following procedure at the computer directly connected to the printer:

- 1 Click **Start**, click **Settings**, and then click **Printers**.
- 2 From the **File** menu, select the **HP LaserJet 1010 series** printer, and then click **Properties**.
- 3 On the **Sharing** tab, type a name for the printer in the **Share Name** field, and then click **OK**.
- 4 **For Windows XP only:** On the Port tab, click to clear the **enable bi-directional support** check box.

Perform the following procedure at the computers of other network users who want to use the printer:

- 1 From the **Start** menu, click **Settings**, and then click **Printers**.
- 2 Double-click **Add Printer**, and then click **Next**.
- 3 Follow the directions on the screen.
  - a When asked if the printer is a local or network printer, select **Network Printer**.
  - b Click **Browse**, locate the printer name that was assigned to the shared printer, and then click **OK**.
  - c When prompted, print a test page to ensure the printer driver is installed properly.

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### Note

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A host-based printer driver must be installed on each computer accessing the printer. The printer driver cannot be shared between computers.

# Installing the printer driver only

## Windows

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### Note

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If the printer is directly connected to another user's computer, the printer must be shared from that computer using Windows sharing.

To install the printer driver, perform the following procedure:

- 1 From the **Start** menu, click **Settings**, and then click **Printers**.
- 2 Double-click **Add Printer**, and then click **Next**.
- 3 When asked if the printer is a local or network printer, select **Network Printer**, and then click **Next**.
- 4 To copy printer files onto your system, complete one of the following options:
  - If using Windows 2000 or XP, you may need to first choose your printer from the list of printers or enter an IP address. If the printer driver is not available, the **Add Printer Wizard** dialog box will appear. Click **Have Disk** from the wizard screen.
  - If using Windows NT, Me, 98, or 95, click **Have Disk** from the wizard screen that appears.
- 5 Insert the CD-ROM into the drive. Complete one of the following options:
  - **For Windows 95 and Windows 98 SE:** Double-click the INF file located on the CD-ROM in X:\<language>\DRIVERS\9X\_ME (replace the "X" with the letter of your CD-ROM drive).
  - **For Windows NT 4.0 and Window 2000:** Double-click the INF file located on the CD-ROM in X:\<language>\DRIVERS\WinNT40 (replace the "X" with the letter of your CD-ROM drive).
  - **For Windows XP:** Double-click the INF file located in the CD-ROM in X:\<language>\DRIVERS\Win2000\_XP (replace the "X" with the letter of your CD-ROM drive).
- 6 Complete the installation. When prompted, print a test page to ensure the printer driver is installed properly.

# Installing the customization utility

To install the customization utility, perform one of the following procedures:

## Procedure 1

- 1 If the Welcome screen does not open, click **Start** on the Windows task bar.
- 2 Click **Run**.
- 3 Type **Z:\hpsetup** (where **Z** is your CD-ROM drive letter).
- 4 Click **OK**.

## Procedure 2

- 1 Quit all programs.
- 2 Place the HP LaserJet 1010 series printer software CD-ROM into the CD-ROM drive.
- 3 Wait for autorun to begin the software installation.

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### Note

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If the Welcome screen does not open, click **Start** on the Windows task bar, click **Run**, type **ó** (where **Z** is your CD-ROM drive letter), and then click **OK**.

- 4 On the Welcome screen, click **customization utility**.
- 5 The HP LaserJet 1010 Setup screen appears. To continue, click **Next**.
- 6 In the Language window, select the language from the drop-down list, and then click **Next**.
- 7 In the Printer Port window, select the type of printer port from the list of options, or browse to select another port in the field. Click **Next**.
- 8 In the Connector Type window, select the type of printer connection, and then click **Next**.
- 9 From the list of printer models, select your printer, and then click **Next**.
- 10 From the Features window, select the features you wish to install, and then click **Next**.
- 11 Click **Next** to accept the default printer name, or type a new printer name in the field.
- 12 If you want this printer to be the default printer, make sure the check box is checked, and then click **Next**.
- 13 In the Printer Sharing window, select from the list of options, and then click **Next**. (If you select **Share as:**, type the name for the shared printer in the field.)
- 14 Type in the location and a comment if you wish, and then click **Next**.
- 15 In the Custom Installer Location window, type in the location or click **Change** to browse to the location, and then click **Install**.
- 16 When installation of the customization utility is complete, click **Finish**. The Welcome screen displays again.

# 5 Configuration

## Software configuration settings

Software configuration settings, such as sharing properties and port management, apply to the printer in general. To alter software configuration settings after installation, you must gain access to the printer properties by opening the printer driver. Follow these steps to access configurations settings:

### Windows 95, Windows 98 SE, Windows NT 4.0, and Windows Me

- 1 Click **Start**, select **Settings**, and then click **Printers**.
- 2 Right-click the **HP LaserJet 1010 series printer** icon.
- 3 Click **Printer Properties (Document Defaults...** in Windows NT.4.0).

### Windows 2000 and Windows XP

- 1 Click **Start**, select **Settings**, click **Printers** (in Windows XP, click **Printers and Faxes**), and then right-click the **HP LaserJet 1010 series printer** icon.
- 2 Click **Printing Preferences**.

### Mac OS 9.x

In the application you wish to print from, use the following steps to configure the HP LaserJet 1010 series printer settings:

- 1 Click **File**, and then click **Print**.
- 2 Using the drop-down list, select the printing options to configure and make changes to the print settings.
- 3 To use these settings for the current job only, after making printing option selections, click **Print**.
- 4 To use these setting for the current and future jobs, click **Save Settings**, and then click **Print**.

## Mac OS X

In the application you wish to print from, use the following steps to configure the HP LaserJet 1010 series printer settings:

- 1 Click **File**, and then click **Print**.
- 2 Using the drop-down list, select the printing options to configure and make changes to the print settings.
- 3 To use these settings for the current job only, after making printing option selections, click **Print**.
- 4 To use these setting for the current and future jobs, select **Save As** from the presets menu, type in a name, click **OK**, then click **Print**.

# Printing preferences

Printing preferences are a subset of the software configuration settings. These settings control specific instructions for each print job such as media size and type, resolution, and watermarks. You can gain access to printing preferences through the software application you are using or through the printer driver.

## Gaining access to printing preferences through the current software application

This changes the settings only for the current software application. Follow these steps to gain access to printing preferences through the software application:

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### Note

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The steps for gaining access to printer preferences can vary among software applications. The following steps cover the most common methods for applications running on Windows 95, Windows 98 SE, Windows Me, Windows NT 4.0, Windows 2000, and Windows XP.

- 1 From the **File** menu in the software application, click **Print**.
- 2 On the print dialog box, verify that the HP LaserJet 1010 series printer is the selected printer. If it is not, click the drop-down arrow, and click the printer name to select it.
- 3 Click **Properties**.

## Gaining access to printing preferences through the printer driver

### Windows 95, Windows 98 SE, and Windows Me

- 1 Click **Start**, select **Settings**, click **Printers**, and then right-click the **HP LaserJet 1010 series** printer icon.
- 2 Click **Printer Properties** to open the printer driver dialog box.

### Windows NT 4.0

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### Note

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In Windows NT 4.0, this feature is called "Document Defaults" rather than "Printing Preferences".

- 1 Click **Start**, select **Settings**, click **Printers**, and then right-click the **HP LaserJet 1010 series** printer icon.
- 2 Click **Document Defaults** to open the printer driver dialog box.

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### Note

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To access the **Configure** tab, right-click the **HP LaserJet 1010 series** printer icon, and then click **Properties**.

### Windows 2000 and Windows XP

- 1 Click **Start**, select **Settings**, click **Printers** (in Windows XP, click **Printers and Faxes**), and then right-click the **HP LaserJet 1010 series** printer icon.
- 2 Click **Printing Preferences**.

# Host-based printing preference tabs in Windows 98 SE, Me, 2000, and XP

The following tabs are available in the **Printing Properties**:

- Finishing
- Effects
- Paper
- Basics

## Paper

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Quick Sets name.</p> <p><b>Quick Sets</b> allow you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Defaults</b> from the <b>Quick Sets</b> drop-down list.</p>	Untitled
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	<p>To delete the selected Print Task Quick Set, click <b>Delete</b>.</p> <p>This button becomes available for all Print Task Quick Set selections except <b>Defaults</b>.</p>	N/A

**Paper (continued)**

Field	Description	Default
<b>Paper Options group</b>		
<b>Size is</b>	<p>This drop-down list contains the following options:</p> <ul style="list-style-type: none"> <li>● Letter</li> <li>● Legal</li> <li>● A4</li> <li>● Executive</li> <li>● B5 (ISO)</li> <li>● Envelope #10</li> <li>● Envelope Monarch</li> <li>● Envelope C5</li> <li>● Envelope DL</li> <li>● Envelope B5</li> <li>● A5</li> <li>● A6</li> <li>● B5 (JIS)</li> <li>● Post Card (JIS)</li> <li>● Double Post Card (JIS)</li> <li>● 8.5 x 13</li> <li>● 16K</li> </ul> <p><b>Note:</b> Paper sizes larger than what the printer supports (such as 11 x 17) are scaled to fit.</p>	Letter
<b>Custom</b>	To open the <b>Custom Paper Size</b> window, click <b>Custom</b> .	N/A
<b>Source Tray is</b>	<p>This drop-down list contains the following options:</p> <ul style="list-style-type: none"> <li>● Automatically Select</li> <li>● Manual Feed</li> </ul>	Automatically Select

## Paper (continued)

Field	Description	Default
<b>Type is</b>	<p>This drop-down list contains a list of supported media. You can use this list to select the type of media you want to use.</p> <p>This setting adjusts the printer speed and fuser temperature for the paper or other print media that you select.</p> <p><b>CAUTION:</b> Using inappropriate media settings can cause damage to the printer. Options to select are:</p> <ul style="list-style-type: none"> <li>● Plain Paper</li> <li>● Preprinted</li> <li>● Letterhead</li> <li>● Transparency</li> <li>● Prepunched</li> <li>● Labels</li> <li>● Bond Paper</li> <li>● Envelope</li> <li>● Recycled</li> <li>● Color</li> <li>● Light &lt;75 g/m<sup>2</sup></li> <li>● Heavy (90 -105 g/m<sup>2</sup>)</li> <li>● Cardstock (105 - 76 g/m<sup>2</sup>)</li> <li>● Rough Paper</li> </ul> <p><b>Note:</b> For a list of supported media types, see the HP media guide at <a href="http://www.hp.com/support/ljpaperguide">http://www.hp.com/support/ljpaperguide</a>.</p>	Plain
<b>Custom Paper Size details</b>		
<b>Name</b>	This drop-down list contains five options you can use to customize the document paper size.	Custom 1
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Size group</b>		
<b>Width</b>	Enter the desired paper width in this field.	8.5
<b>Length</b>	Enter the desired paper length in this field.	11.0
<b>Use Inches/Use Millimeters</b>	To change units from inches to millimeters, or vice versa, click <b>Use Inches/Use Millimeters</b> .	Inches
<b>Help</b>	Click this button before closing the dialog box to open the online Help.	N/A
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Apply</b>	Clicking this button applies the new settings, leaving the dialog box open.	N/A

## Finishing tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Print Task Quick Set name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Defaults</b> from the <b>Quick Sets</b> drop-down list.</p>	Type new Quick Set name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	<p>To delete the selected Print Task Quick Set, click <b>Delete</b>.</p> <p>This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b>.</p>	N/A
<b>Document Options group</b>		
<b>Print on Both Sides (Manually)</b>	<p>This setting allows you to print a document on both sides of a page.</p> <p><b>Note:</b> This option is sometimes called "manual duplexing."</p> <p>The printer will print the first side of each page, then wait for you to put the paper back into the printer and then print the second side of the page.</p> <p>When this check box is selected, the following option becomes available:</p> <ul style="list-style-type: none"> <li>● <b>Flip Pages Up</b> Pages can be flipped up like a notebook.</li> </ul>	<p>Unselected</p> <p>Unselected</p> <p>Unselected</p>
<b>Booklet Printing</b>	<p>This option becomes available when <b>Print on Both Sides (Manually)</b> is selected and <b>Pages per Sheet</b> is set for <b>1</b>. From the drop-down list, you can select from the following options:</p> <ul style="list-style-type: none"> <li>● Off</li> <li>● Letter (Left Binding)</li> <li>● Letter (Right Binding)</li> </ul>	Off

## Finishing tab (continued)

Field	Description	Default
<b>Pages per Sheet</b>	<p>This drop-down list specifies the number of pages per sheet to be printed on one sheet of paper. The supported selections are:</p> <ul style="list-style-type: none"> <li>● 1</li> <li>● 2</li> <li>● 4</li> <li>● 6</li> <li>● 9</li> <li>● 16</li> </ul> <p><b>Note:</b> This feature is also known as N-up printing.</p>	1
<b>Print Page Borders</b>	<p>This control becomes available if <b>Pages per Sheet</b> is set for more than 1.</p> <p>Selecting this check box prints a border around each page on the sheet.</p>	Unselected
<b>Page Order</b>	<p>This control becomes available when <b>Pages per Sheet</b> is set for more than 1.</p> <p>This drop-down list allows you to select the order and placement of the pages on the sheet.</p> <p>The supported options are:</p> <ul style="list-style-type: none"> <li>● Right, then Down</li> <li>● Down, then Right</li> <li>● Left, then Down</li> <li>● Down, then Left</li> </ul>	Unselected
<b>Print Quality group</b>		
<b>Print quality field</b>	Use this drop-down list to select the print quality: either 600 dpi or FastRes 1200	600dpi
<b>EconoMode</b>	Selecting this check box allows the printer to use less toner on each page. Selecting this option extends the life of your print cartridges and reduces costs per page. However, using EconoMode also reduces print quality.	
<b>Print all Text as Black</b>	Selecting this check box allows the printer to print all text characters as black, regardless of the document's text color setting. The exception is white text, which stays white.	Unselected
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	Clicking <b>Cancel</b> to close the dialog box without saving the changes you have made.	N/A
<b>Apply</b>	Clicking this button applies the new settings, leaving the dialog box open.	N/A

## Effects tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Print Task Quick Set name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Defaults</b> from the <b>Quick Sets</b> drop-down list.</p>	Type new Quick Set name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	<p>To delete the selected Print Task Quick Set, click <b>Delete</b>.</p> <p>This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b>.</p>	N/A
<b>Fit to Page group</b>		
<b>Print Document On</b>	<p>Selecting this check box causes the document to be printed on a paper size other than the one for which it is formatted.</p> <p>When <b>Print Document On</b> is selected, a drop-down list displays the types of media available. The supported media types are:</p> <ul style="list-style-type: none"> <li>● Letter</li> <li>● Legal</li> <li>● A4</li> <li>● Executive</li> <li>● B5 (ISO)</li> <li>● Envelope #10</li> <li>● Envelope Monarch</li> <li>● Envelope C5</li> <li>● Envelope DL</li> <li>● Envelope B5</li> <li>● A5</li> <li>● A6</li> <li>● B5 (JIS)</li> <li>● Post Card (JIS)</li> <li>● Double Post Card (JIS)</li> <li>● 8.5 x 13</li> <li>● 16K</li> </ul>	<p>Unselected</p> <p>Letter</p>
<b>Scale to Fit</b>	This control becomes available if the <b>Print Document On</b> check box is selected. Selecting this check box enables the printer to reduce or enlarge a document to fit on the selected paper size.	Unavailable

## Effects tab (continued)

Field	Description	Default
<b>% of Normal Size</b>	<p>This control becomes available when <b>Print Document On</b> is clear.</p> <p>This field allows you to specify the percentage of normal size that the printer will enlarge or reduce the document on the page.</p> <p>-Or -</p> <p>Move the slider right or left to increase or decrease the percentage of normal size.</p> <p>Normal size refers to the document page size (check the application's page size settings). You can also use the slider bar beneath the field to choose a percentage.</p>	<p>Available</p> <p>100</p>
<b>Watermarks group</b>		
<b>Watermarks</b>	<p>This drop-down list displays a list of words or phrases that the printer can then use to print a watermark on the document. The supported options are:</p> <ul style="list-style-type: none"> <li>● (none)</li> <li>● DRAFT</li> <li>● CONFIDENTIAL</li> <li>● SAMPLE</li> </ul>	(none)
<b>First Page Only</b>	<p>This control box becomes available when text other than (none) is shown in the <b>Watermarks</b> drop-down list.</p> <p>Selecting this check box enables the printer to print the specified watermark on only the first page of the document. No watermarks are printed on the second and subsequent pages.</p>	Unselected
<b>Edit</b>	Clicking this button opens the <b>Watermark Details</b> screen.	N/A
<b>Watermark Details</b>		
<b>Current Watermarks</b>	<p>This control lists the available watermarks.</p> <p>The watermark that is highlighted in this list box also shows up as alterable text in the <b>Watermark Message</b> control.</p>	N/A
<b>New</b>	Clicking this button allows you to create a new watermark by highlighting the <b>(Untitled)</b> option and allowing you to type text for your new watermark. This text then appears in the current watermarks list.	N/A
<b>Delete</b>	To delete the selected watermark from the current watermarks list, click <b>Delete</b> .	N/A
<b>Watermark Message</b>	Allows you to change the text of any highlighted watermark listed in the <b>Current Watermarks</b> list, or type the text for your new watermark.	(none)

## Effects tab (continued)

Field	Description	Default
<b>Message Angle</b>	<p>This control consists of three options and a spin box:</p> <ul style="list-style-type: none"> <li>● <b>Diagonal:</b> Selecting this option causes the selected watermark to print diagonally on the page.</li> <li>● <b>Horizontal:</b> Selecting this option causes the selected watermark to print horizontally on the page.</li> <li>● <b>Angle:</b> Selecting this option enables the spin box, which you can use to choose the angle of the watermark on the printed page.</li> </ul>	<p>Angle (Windows 2000 and Windows XP)</p> <p>Diagonal (Windows 98 SE and Windows Me)</p> <p>45</p>
<b>Font Attributes group</b>		
<b>Name</b>	<p>Clicking a font name from this drop-down list specifies which font to use for the selected watermark.</p> <p>The supported font options consist of all the installed fonts on your computer.</p>	Default font for the document
<b>Color</b>	Gray is the only supported color option.	Gray
<b>Shading</b>	<p>Clicking a setting from this drop-down list specifies how dark the selected watermark appears on the printed page. The supported shading options are:</p> <ul style="list-style-type: none"> <li>● Lightest</li> <li>● Very Light</li> <li>● Light</li> <li>● Medium Light</li> <li>● Medium</li> <li>● Medium Dark</li> <li>● Dark</li> <li>● Very Dark</li> <li>● Darkest</li> </ul>	Very Light
<b>Size</b>	Use this spin box to specify the font size for the selected watermark.	150
<b>Style</b>	<p>Clicking a setting from this drop-down list specifies the specific style for the selected font you chose for this watermark. The supported options available in this list depend on the fonts installed on the computer. Typical choices include:</p> <ul style="list-style-type: none"> <li>● Regular</li> <li>● Bold</li> <li>● Italic</li> <li>● Bold Italic</li> </ul>	Regular
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A

## Basics tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Quick Sets name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Defaults</b> from the <b>Quick Sets</b> drop-down list.</p>	Type new Quick Set name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	<p>To delete the selected Print Task Quick Set, click <b>Delete</b>.</p> <p>This button becomes available for all Print Task Quick Set selections except <b>Defaults</b>.</p>	N/A
<b>Orientation group</b>		
<b>Portrait</b>	<p>Selecting this option enables the printer to print a page or envelope that is taller than it is wide when viewing the text right-side-up.</p> <p>Feed the paper as usual; the image is rotated on the page if necessary.</p>	Selected
<b>Landscape</b>	<p>Selecting this option enables the printer to print a page or envelope that is wider than it is tall when viewing the text right-side-up.</p> <p>Feed the paper as usual; the image is rotated on the page if necessary.</p>	Unselected
<b>Rotated</b>	Selecting this check box enables the printer to reverse the image or document top to bottom.	Unselected
<b>Copies group</b>		
<b>Copy</b>	<p>This spin box allows you to use the up and down arrows to choose a number or to type the number of copies you want to print (1 to 999).</p> <p>The copies setting in the application usually overrides the copies setting in the printer driver.</p>	1
<b>Collated</b>	This control box becomes available when more than one copy is shown in the <b>Copy</b> spin box. Selecting this box enables the printer to collate your copies.	

**Basics tab (continued)**

<b>Field</b>	<b>Description</b>	<b>Default</b>
<b>About group</b>		
<b>About...</b>	To view the About This Driver window, including copyright and software versions, click <b>About</b> .	N/A
<b>Software Update</b>	To automatically open your browser and go to <a href="http://www.hp.com">http://www.hp.com</a> , click <b>Software Update</b> .	N/A
<b>OK</b>	To close the dialog box, click <b>OK</b> .	N/A
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Apply</b>	Clicking this button applies the new settings, leaving the dialog box open.	N/A
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A

# Printing preferences tabs using PCL 5e printer drivers in Windows 95, NT 4.0, 98, and Me

The following tabs are available in the **Properties dialog box (Document Defaults...** in Windows NT 4.0):

- Finishing tab
- Effects tab
- Paper tab
- Basics tab

## Finishing tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Print Task Quick Set name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Default Print Settings</b> from the <b>Quick Sets</b> drop-down list.</p>	Type new Quick Set name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	To delete the selected Print Task Quick Set, click <b>Delete</b> .	N/A
<b>Document Options group</b>		
<b>Print on Both Sides (Manually)</b>	<p>This setting allows you to print a document on both sides of a page.</p> <p><b>Note:</b> This option is sometimes called "manual duplexing."</p> <p>The printer will print the first side of each page, then wait for you to put the paper back into the printer, and then print the second side of the page.</p> <p>When this check box is selected, the following options become available:</p> <ul style="list-style-type: none"> <li>● <b>Flip Pages Up</b> Pages can be flipped up like a notebook.</li> </ul>	Unselected
<b>Booklet Printing</b>	<p>This option requires and automatically selects 2 Pages per Sheet and Print on Both Sides. From the drop-down list, select from the following options:</p> <ul style="list-style-type: none"> <li>● Off</li> <li>● Letter (Left Binding)</li> <li>● Letter (Right Binding)</li> </ul>	Off

## Finishing tab (continued)

Field	Description	Default
<b>Pages per Sheet</b>	<p>This drop-down list specifies the number of pages per sheet to be printed on one sheet of paper. The supported selections are:</p> <ul style="list-style-type: none"> <li>● 1</li> <li>● 2</li> <li>● 4</li> <li>● 6</li> <li>● 9</li> <li>● 16</li> </ul> <p><b>Note:</b> This feature is also known as N-up printing.</p>	1
<b>Print Page Borders</b>	<p>This control becomes available if <b>Pages per Sheet</b> is set for more than 1.</p> <p>Selecting this check box prints a border around each page on the sheet.</p>	Unselected
<b>Page Order</b>	<p>This control becomes available when <b>Pages per Sheet</b> is set for more than 1.</p> <p>This drop-down list allows you to select the order and placement of the pages on the sheet.</p> <p>The supported options are:</p> <ul style="list-style-type: none"> <li>● Right, then Down</li> <li>● Down, then Right</li> <li>● Left, then Down</li> <li>● Down, then Left</li> </ul>	Unselected
<b>Print Quality group</b>		
<b>Best Quality</b>	<p>Selecting this option enables the printer to print a document at its optimal resolution.</p> <p>This option (600 dpi) provides the best print quality. Changing resolution might change the formatting of text documents.</p>	Selected default for PCL 5e printer driver
<b>300 dpi</b>	<p>Selecting this option specifies that the printer is using the 300 dpi setting for printing.</p> <p>Use this option if the document was formatted for an earlier model HP LaserJet printer and you are getting unexpected results.</p> <p>Changing resolution might change the formatting of text documents.</p>	Unselected
<b>Custom</b>	<p>Clicking this button opens the <b>Print Quality Details</b> window and allows you to select custom print quality settings.</p>	Unselected
<b>Details</b>	<p>Clicking this button opens the <b>Print Quality Details</b> screen.</p>	N/A
<b>EconoMode (Save Toner)</b>	<p>Selecting this check box allows the printer to use less toner on each page. Selecting this option extends the life of your print cartridges and reduces costs per page. However, using EconoMode also reduces print quality.</p>	Unselected
<b>Print Quality Details screen</b>		

## Finishing tab (continued)

Field	Description	Default
<b>Current Setting</b>	This read-only control denotes the quality setting currently applied to the printer.	N/A
<b>Graphic Settings group</b>		
<b>Complex Graphics</b>	<p>This control consists of two options:</p> <ul style="list-style-type: none"> <li>● Use HP MEt</li> <li>● Use More Memory</li> </ul> <p><b>Note:</b> The <b>Use More Memory</b> option is not intended for general use. Use it only if you receive printer memory error messages while printing complex pages.</p>	Use HP MEt
<b>Rendering Mode</b>	<p>This control consists of the following options:</p> <ul style="list-style-type: none"> <li>● Automatic</li> <li>● Send Graphics as Vector</li> <li>● Send Graphics as Raster</li> <li>● Send Page as Raster</li> </ul>	Automatic
<b>Output Settings group</b>		
<b>Resolution</b>	<p>Clicking this drop-down list allows you to select from the following options:</p> <ul style="list-style-type: none"> <li>● 600 dpi</li> <li>● FastRes 1200</li> </ul> <p>As resolution is increased, the quality of print on the page is improved. However, using higher resolution might also result in longer printing times.</p>	600 dpi
<b>Resolution Enhancement technology (REt)</b>	<p>This control consists of two options:</p> <ul style="list-style-type: none"> <li>● <b>On</b> Selecting this option allows the printer to refine the print quality of the characters by smoothing out jagged edges that can occur with longer printing times.</li> <li>● <b>Off</b> Selecting this option disables the REt function of the printer. Use this option if graphics or images, particularly scanned images, are not printing clearly.</li> </ul>	On
<b>Scale Patterns (WYSIWYG)</b>	Select this check box for the most reliable printing. Clearing this check box may cause differences between on-screen appearance and printed output.	Selected
<b>Print all Text as Black</b>	Selecting this check box allows the printer to print all text characters as black, regardless of the document's text color setting. The exception is white text, which stays white.	Unselected
<b>Font Settings</b>	Select this check box to print TrueType as Bitmaps.	Unselected
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A

### Finishing tab (continued)

Field	Description	Default
Help	Clicking this button before closing the dialog box opens the online Help.	N/A

### Effects tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Print Task Quick Set name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Default Print Settings</b> from the <b>Quick Sets</b> drop-down list.</p>	Type new Quick Set name here
<b>Save</b>	Click <b>Save</b> to save the new or changed Print Task Quick Set	N/A
<b>Delete</b>	<p>To delete the selected Print Task Quick Set, click <b>Delete</b>.</p> <p>This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b>.</p>	N/A

Effects tab (continued)

Field	Description	Default
<b>Fit To Page group</b>		
<b>Print Document On</b>	<p>Selecting this check box causes the document to be printed on a paper size other than the one for which it is formatted.</p> <p>When <b>Print Document On</b> is selected, a drop-down list displays the types of media available. The supported media types are:</p> <ul style="list-style-type: none"> <li>● Letter</li> <li>● Legal</li> <li>● Executive</li> <li>● A5</li> <li>● A4</li> <li>● B5 (ISO)</li> <li>● Envelope #10</li> <li>● Envelope DL</li> <li>● Envelope C5</li> <li>● Envelope B5</li> <li>● Envelope Monarch</li> <li>● B5 (JIS)</li> <li>● A6</li> <li>● Double Post Card</li> <li>● Post Card</li> <li>● 8.5 by 13 inch</li> <li>● 16K</li> </ul>	<p>Unselected</p> <p>Letter</p>
<b>Scale to Fit</b>	<p>This control becomes available if the <b>Print Document On</b> check box is selected. Selecting this check box enables the printer to reduce or enlarge a document to fit on the selected paper size.</p>	Unavailable
<b>% of Normal Size</b>	<p>This control becomes available when <b>Print Document On</b> is clear.</p> <p>This field allows you to specify the percentage of normal size that the printer will enlarge or reduce the document on the page.</p> <p>-Or -</p> <p>Move the slider right or left to increase or decrease the percentage of normal size.</p> <p>Normal size refers to the document page size (check your application's page size settings). You can also use the slider bar beneath the field to choose a percentage.</p>	<p>Available</p> <p>100</p>
<b>Watermarks group</b>		
<b>Watermarks</b>	<p>This drop-down list displays a list of words or phrases that the printer can then use to print a watermark on the document. The supported options are:</p> <ul style="list-style-type: none"> <li>● (none)</li> <li>● Confidential</li> <li>● Draft</li> <li>● SAMPLE</li> </ul>	(none)

## Effects tab (continued)

Field	Description	Default
<b>First Page Only</b>	<p>This control box becomes available when text other than (none) is shown in the <b>Watermarks</b> drop-down list.</p> <p>Selecting this check box enables the printer to print the specified watermark on only the first page of the document. No watermarks are printed on the second and subsequent pages.</p>	Unavailable
<b>Edit</b>	Clicking this button opens the <b>Watermark Details</b> screen.	N/A
<b>Watermark Details</b>		
<b>Current Watermarks</b>	<p>This control lists the available watermarks.</p> <p>The watermark that is highlighted in this list box also shows up as alterable text in the <b>Watermark Message</b> control.</p>	N/A
<b>New</b>	Clicking this button allows you to create a new watermark by highlighting the <b>(Untitled)</b> option and allowing you to type text for your new watermark. This text then appears in the current watermarks list.	N/A
<b>Delete</b>	Clicking this button allows you to delete the selected watermark from the <b>Current Watermarks</b> list.	N/A
<b>Watermark Message</b>	Allows you to change the text of any highlighted watermark listed in the <b>Current Watermarks</b> list.	(none)
<b>Message Angle</b>	<p>This control consists of three options and a spin box:</p> <ul style="list-style-type: none"> <li>● <b>Diagonal</b> Selecting this option causes the selected watermark to print diagonally on the page.</li> <li>● <b>Horizontal</b> Selecting this option causes the selected watermark to print horizontally on the page.</li> <li>● <b>Angle</b> Selecting this option enables the spin box, which you can use to choose the angle of the watermark on the printed page.</li> </ul>	Diagonal
<b>Font Attributes group</b>		
<b>Name</b>	<p>Clicking a font name from this drop-down list specifies which font to use for the selected watermark.</p> <p>The supported font options consist of all the installed fonts on the computer.</p>	Default font for the document
<b>Color</b>	Gray is the only supported color option.	Gray

### Effects tab (continued)

Field	Description	Default
<b>Shading</b>	<p>Clicking a setting from this drop-down list specifies how dark the selected watermark appears on the printed page. The supported shading options are:</p> <ul style="list-style-type: none"> <li>● Lightest</li> <li>● Very Light</li> <li>● Light</li> <li>● Medium Light</li> <li>● Medium</li> <li>● Medium Dark</li> <li>● Dark</li> <li>● Very Dark</li> <li>● Darkest</li> </ul>	Very Light
<b>Size</b>	Use this spin box to specify the font size for the selected watermark.	150
<b>Style</b>	<p>Clicking a setting from this drop-down list specifies the specific style for the font chosen for this watermark. The supported options available in this list depend on the fonts installed on the computer. Typical choices include:</p> <ul style="list-style-type: none"> <li>● Regular</li> <li>● Italic</li> <li>● Bold</li> <li>● Bold Italic</li> </ul>	Regular
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A

### Paper tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Quick Sets name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Default Print Settings</b> from the <b>Quick Sets</b> drop-down list.</p>	Type new Quick Set Name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A

**Paper tab (continued)**

<b>Field</b>	<b>Description</b>	<b>Default</b>
<b>Delete</b>	To delete the selected Print Task Quick Set, click <b>Delete</b> .  This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b> .	N/A
<b>All Pages group</b>		
<b>Size is</b>	This drop-down list allows you to select the paper size for the document from the list of supported paper sizes, which includes saved custom paper sizes.  The paper size for all pages of a print job must be the same.  The application settings override the settings in the printer driver.  The supported paper-size options are:  <ul style="list-style-type: none"> <li>● Letter</li> <li>● Legal</li> <li>● Executive</li> <li>● A5</li> <li>● A4</li> <li>● B5ISO (JIS)</li> <li>● Envelope #10</li> <li>● Envelope DL</li> <li>● Envelope C5</li> <li>● Envelope B5</li> <li>● Envelope Monarch</li> <li>● B5 (JIS)</li> <li>● A6</li> <li>● Double Post Card</li> <li>● Post Card</li> <li>● 8.5 by 13 inches</li> <li>● 16K</li> </ul>	Letter  <b>Note:</b> Varies by country/region.
<b>Custom</b>	Clicking this button allows you to create or modify custom paper-size information.	N/A
<b>Source is</b>	This drop-down list contains the following options:  <ul style="list-style-type: none"> <li>● AutoSelect</li> <li>● Manual Feed</li> <li>● Tray 1</li> </ul>	AutoSelect

## Paper tab (continued)

Field	Description	Default
<b>Type is</b>	<p>This drop-down list contains a list of supported media. You can use this list to select the type of media you want to use.</p> <p>This setting adjusts the printer speed and fuser temperature for the paper or other print media that you select.</p> <p><b>CAUTION:</b> Using inappropriate media settings can cause damage to the printer. Options to select are:</p> <ul style="list-style-type: none"> <li>● Unspecified</li> <li>● Plain</li> <li>● Preprinted</li> <li>● Letterhead</li> <li>● Transparency</li> <li>● Prepunched</li> <li>● Labels</li> <li>● Bond</li> <li>● Recycled</li> <li>● Color</li> <li>● Cardstock (105 -176 g/m<sup>2</sup>)</li> <li>● Rough</li> <li>● Heavy (90 -150 g/m<sup>2</sup>)</li> <li>● Envelope</li> <li>● Light &lt; 75 g/m<sup>2</sup></li> </ul> <p><b>Note:</b> For a list of supported media types, see the HP media guide at <a href="http://www.hp.com/support/ljpaperguide">http://www.hp.com/support/ljpaperguide</a>.</p>	Plain
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Apply</b>	Clicking this button applies the new settings, leaving the dialog box open.	N/A
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A
<b>Custom Paper Size Details</b>		
<b>Name</b>	Clicking this drop-down list allows you to type a name for your custom paper size.	Untitled
<b>Save</b>	<p>Clicking this button allows you to save the custom settings you have specified on this dialog box.</p> <p>Click <b>OK</b> and then <b>Close</b> to go back to the <b>Paper</b> tab. The custom size now appears in the <b>Size is</b> drop-down list.</p>	N/A
<b>Delete</b>	<p>Clicking this button allows you to delete the custom setting you specified in this dialog box.</p> <p>This button is available only when there are custom paper sizes in the drop-down list.</p>	N/A

### Paper tab (continued)

Field	Description	Default
<b>Width</b>	Use this spin box to select the width of a custom paper size.  If you enter a size that is too small or too large, the printer driver automatically adjusts the size for you.	8.5 inches (if <b>Size</b> is set to <b>Letter</b> )  - Or -  216.0 mm (if <b>Size</b> is set to <b>A4</b> )
<b>Height</b>	Use this spin box to select the length of a custom paper size.  If you enter a size that is too small or too large, the printer driver automatically adjusts the size for you.	11.0 inches (if <b>Size</b> is set to <b>Letter</b> )  - Or -  279.0 mm (if <b>Size</b> is set to <b>A4</b> )
<b>Use Millimeters/Use Inches</b>	Clicking this button allows you to view custom-size dimensions in either inches or millimeters.	Inches (if <b>Size</b> is set to <b>Letter</b> )  - Or -  Millimeters (if <b>Size</b> is set to <b>A4</b> )
<b>Close</b>	Clicking this button closes the <b>Custom Paper Size</b> window and returns to the <b>Paper</b> tab.	N/A
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A

### Basics tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Quick Sets name.  <b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b> . When you save <b>Quick Sets</b> , all current printer driver settings are saved.  You can also restore printer driver default settings by selecting <b>Default Printer Settings</b> from the <b>Quick Sets</b> drop-down list.	Type new Quick Set name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	To delete the selected Print Task Quick Set, click <b>Delete</b> .  This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b> .	N/A
<b>Copies group</b>		
<b>Copies</b>	This spin box allows you to use the up and down arrows to choose a number or to type in the number of copies you want to print (1 to 999).  The copies setting in your application usually overrides the copies setting in the printer driver.	1

## Basics tab (continued)

Field	Description	Default
<b>Orientation group</b>		
<b>Portrait</b>	Selecting this option enables the printer to print a page or envelope that is taller than it is wide when viewing the text right-side-up.  Feed the paper as usual; the image is rotated on the page if necessary.	Selected
<b>Landscape</b>	Selecting this option enables the printer to print a page or envelope that is wider than it is tall when viewing the text right-side-up.  Feed the paper as usual; the image is rotated on the page if necessary.	Unselected
<b>Rotate by 180 degrees</b>  <b>Note:</b> This feature is unavailable if <b>Print on Both Sides</b> or <b>Pages per Sheet</b> is selected.	Selecting the <b>Rotate by 180 degrees</b> check box enables the printer to rotate the document image on the paper 180 degrees.  If the return address on an envelope is smudged, try this setting and feed the envelope so that the return address area is fed first into the printer.	Unselected
<b>About</b>	Clicking this button displays printer driver version information.	N/A
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Apply</b>	Clicking this button applies the new settings, leaving the dialog box open.	N/A
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A

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### Note

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In Windows NT 4.0, Windows 2000, and Windows XP, the Configure tab is grouped with the main printer driver tabs, not in the Printing Preferences or Document Defaults group.

# Printing preferences tabs using PCL 5e printer drivers in Windows 2000 and XP

The following tabs are available in the **Printing preferences**:

- Advanced
- Paper/Quality
- Finishing
- Effects

## Advanced tab

Field	Description	Default
<b>HP LaserJet 1010 PCL 5e Advanced Document Settings</b>		
<b>Paper Output group</b>		
<b>Paper Size</b>	<p>Click <b>Paper Size</b> to display a drop-down list and select from the following options:</p> <ul style="list-style-type: none"> <li>● 11 x 17</li> <li>● 16K</li> <li>● 8.5 x 13 inches</li> <li>● 8K</li> <li>● A3</li> <li>● A4</li> <li>● A5</li> <li>● A6</li> <li>● B4 (JIS)</li> <li>● B5 (ISO)</li> <li>● B5 (JIS)</li> <li>● Double Postcard (JIS)</li> <li>● Envelope #10</li> <li>● Envelope B5</li> <li>● Envelope C5</li> <li>● Envelope DL</li> <li>● Envelope Monarch</li> <li>● Executive</li> <li>● Legal</li> <li>● Letter</li> <li>● Postcard (JIS)</li> </ul> <p><b>Note:</b> Paper sizes larger than what the printer supports (such as 11 x 17) are scaled to fit.</p>	Letter
<b>Copy Count</b>	<p>Click <b>Copy Count</b> to display a spin box to specify the number of copies printed.</p> <p>When 2 or more is selected, a <b>Collated</b> check box becomes available. Select this check box if you want the pages collated.</p>	1 Copy

## Advanced tab (continued)

Field	Description	Default
<b>Document Options group</b>		
<b>Advanced Printing Features</b>	<p>Click <b>Advanced Printing Features</b> to display a drop-down list. Select either <b>Enable</b> or <b>Disable</b>.</p> <p>When this feature is enabled, <b>Page Order</b>, <b>Booklet Printing</b>, and <b>Pages Per Sheet</b> are available. If disabled, some of these options might not be available.</p>	Enabled
<b>Print Optimizations</b>	<p>Click <b>Print Optimization</b> to display a drop-down list. Select either <b>Enable</b> or <b>Disable</b>.</p> <p>When this feature is disabled, some features might not be available.</p>	Enabled
<b>Printer Features group</b>		
<b>Print All Text as Black</b>	<p>Click <b>Print All Text as Black</b> to display a drop-down list to enable or disable this feature.</p> <p>Selecting <b>Enable</b> allows the printer to print all text characters as black, regardless of the document's text color setting. The exception is white text, which stays white.</p>	Disabled
<b>Send TrueType as Bitmap</b>	<p>Click <b>Send TrueType as Bitmap</b> to display a drop-down list. Select <b>Enabled</b> to print TrueType as Bitmaps.</p>	Disabled
<b>Graphics Mode</b>	<p>Click <b>Graphics Mode</b> to display a drop-down list and select from the following options:</p> <ul style="list-style-type: none"> <li>● <b>Send Graphics as Vector</b> This setting may produce higher quality graphics output.</li> <li>● <b>Send Graphics as Raster</b> Use this setting if the file is not printing correctly.</li> </ul>	Send Graphics As Raster
<b>REt</b>	<p>Click <b>REt</b> to display a drop-down list and select either <b>On</b> or <b>Off</b>.</p> <ul style="list-style-type: none"> <li>● <b>On</b> Selecting this option allows the printer to refine the print quality of the characters by smoothing out jagged edges that can occur with longer printing times.</li> <li>● <b>Off</b> Selecting this option disables the REt function of the printer. Use this option if graphics or images, particularly scanned images, are not printing clearly.</li> </ul>	On

### Advanced tab (continued)

Field	Description	Default
<b>Layout Options group</b>		
<b>Orientation</b>	<p>Click <b>Orientation</b> to display a drop-down list. The following options are available:</p> <ul style="list-style-type: none"> <li>● <b>Portrait:</b> Selecting this option enables the printer to print a page or envelope that is taller than it is wide when viewing the text right-side-up.</li> </ul> <p>Feed the paper as usual; the image is rotated on the page if necessary.</p> <ul style="list-style-type: none"> <li>● <b>Landscape:</b> Selecting this option enables the printer to print a page or envelope that is wider than it is tall when viewing the text right-side-up.</li> </ul> <p>Feed the paper as usual; the image is rotated on the page if necessary.</p>	Portrait
<b>Page Order</b>	<p>Click <b>Page Order</b> to display a drop-down list with the following options:</p> <ul style="list-style-type: none"> <li>● Front to Back (Page 1 is on the top of the stack)</li> <li>● Back to Front (Page 1 is on the bottom of the stack)</li> </ul>	Front to Back

### Paper/Quality tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Quick Sets name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Default Print Settings</b> from the <b>Quick Sets</b> drop-down list.</p>	Untitled
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	<p>To delete the selected Print Task Quick Set, click <b>Delete</b>.</p> <p>This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b>.</p>	N/A

Paper/Quality tab (continued)

Field	Description	Default
<b>Paper Options group</b>		
<b>Use different paper</b>	<p>Selecting this check box allows you to select a different page source and type settings for the following options:</p> <ul style="list-style-type: none"> <li>● First Page</li> <li>● Other Pages</li> <li>● Back Cover</li> </ul> <p>The paper size settings should be made within the application.</p>	Unselected
<b>Source is</b>	<p>This drop-down list contains the following options:</p> <ul style="list-style-type: none"> <li>● Automatically Select</li> <li>● Manual Feed (Tray 1)</li> <li>● Printer Auto Select</li> <li>● Tray 1</li> </ul>	Automatically Select
<b>Type is</b>	<p>This drop-down list contains a list of supported media. You can use this list to select the type of media you want to use.</p> <p>This setting adjusts the printer speed and fuser temperature for the paper or other print media that you select.</p> <p><b>CAUTION:</b> Using inappropriate media settings can cause damage to the printer. Options to select are:</p> <ul style="list-style-type: none"> <li>● Unspecified</li> <li>● Plain</li> <li>● Preprinted</li> <li>● Letterhead</li> <li>● Transparency</li> <li>● Prepunched</li> <li>● Labels</li> <li>● Bond</li> <li>● Recycled</li> <li>● Color</li> <li>● Light &lt;75 g/m<sup>2</sup></li> <li>● Heavy (90 -105 g/m<sup>2</sup>)</li> <li>● Cardstock (105 -176 g/m<sup>2</sup>)</li> <li>● Envelope</li> <li>● Rough</li> </ul> <p><b>Note:</b> For a list of supported media types, see the HP media guide at <a href="http://www.hp.com/support/ljpaperguide">http://www.hp.com/support/ljpaperguide</a>.</p> <p><b>Note:</b> If <b>Print on Both Sides</b> is selected, a warning icon will appear next to <b>Transparency</b>, <b>Labels</b>, and <b>Envelope</b> to warn the user that there are limitations when doing manual duplexing.</p>	Plain

### Paper/Quality tab (continued)

Field	Description	Default
<b>Print Quality group</b>		
<b>Print quality field</b> Not available with PCL 5e printer driver in Windows 2000 and XP	Use this drop-down list to select the print quality from the following options: <ul style="list-style-type: none"> <li>● ProRes 1200 (141 lpi)</li> <li>● ProRes 1200 (180 lpi)</li> <li>● FastRes 1200</li> <li>● 600 dpi</li> </ul>	600 dpi
<b>EconoMode</b>	Selecting this check box allows the printer to use less toner on each page. Selecting this option extends the life of the print cartridges and reduces your costs per page. However, using EconoMode also reduces quality.	Unselected
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Apply</b>	Clicking this button applies the new settings, leaving the dialog box open.	N/A

### Finishing tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Quick Sets name. <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> You can also restore printer driver default settings by selecting <b>Default Print Settings</b> from the <b>Quick Sets</b> drop-down list.	Type new Quick Set name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	To delete the selected Print Task Quick Set, click <b>Delete</b> . <p>This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b>.</p>	N/A

## Finishing tab (continued)

Field	Description	Default
<b>Document Options group</b>		
<b>Print On Both Sides (Manually)</b>  <b>Note:</b> This option is sometimes called "manual duplexing."	<p>This setting allows you to print a document on both sides of a page.</p> <p>The printer will print the first side of each page, then wait for you to put the paper back into the printer, and then print the second side of the page.</p> <p>When this check box is selected, the following options become available:</p> <ul style="list-style-type: none"> <li>● <b>Flip Pages Up</b> Pages can be flipped up like a notebook.</li> </ul>	Unselected           Unselected
<b>Booklet Layout</b>	<p>This option requires and automatically selects <b>2 Pages per Sheet</b> and <b>Print on Both Sides</b>. From the drop-down list, you can select from the following options:</p> <ul style="list-style-type: none"> <li>● Off</li> <li>● Left Edge Binding</li> <li>● Right Edge Binding</li> </ul>	Off
<b>Pages per Sheet</b>	<p>This drop-down list specifies the number of pages per sheet to be printed on one sheet of paper. The supported selections are:</p> <ul style="list-style-type: none"> <li>● 1</li> <li>● 2</li> <li>● 4</li> <li>● 6</li> <li>● 9</li> <li>● 16</li> </ul> <p><b>Note:</b> This feature is also known as N-up printing.</p>	1
<b>Print Page Borders</b>	<p>This control becomes available if <b>Pages per Sheet</b> is set for more than 1.</p> <p>Selecting this check box prints a border around each page on the sheet.</p>	Unselected
<b>Page Order</b>	<p>This control becomes available when <b>Pages per Sheet</b> is set for more than 1.</p> <p>This drop-down list allows you to select the order and placement of the pages on the sheet.</p> <p>The supported options are:</p> <ul style="list-style-type: none"> <li>● Right, then Down</li> <li>● Down, then Right</li> <li>● Left, then Down</li> <li>● Down, then Left</li> </ul>	Unselected
<b>Rotate</b>	<p>Selecting the <b>Rotate by 180 degrees</b> check box enables the printer to rotate the document image on the paper 180 degrees.</p> <p>If the return address on an envelope is smudged, try this setting and feed the envelope so that the return address area is fed first into the printer.</p>	Unselected

### Finishing tab (continued)

Field	Description	Default
<b>Help</b>	Clicking this button before closing the dialog box opens the online Help.	N/A
<b>OK</b>	To update any changed settings on the printer and close the dialog box, click <b>OK</b> .	N/A
<b>Cancel</b>	To close the dialog box without saving the changes you have made, click <b>Cancel</b> .	N/A
<b>Apply</b>	Clicking this button applies the new settings, leaving the dialog box open.	N/A

### Effects tab

Field	Description	Default
<b>Quick Sets group</b>		
<b>Quick Sets</b>	<p>This drop-down list displays a list of user-defined Quick Sets. This control also allows you to type a new Print Task Quick Set name.</p> <p><b>Quick Sets</b> allows you to save the current printer driver settings, such as page orientation, resolution, and paper source, for reuse. After choosing the settings, type a name for the quick set, and then click <b>Save</b>. When you save <b>Quick Sets</b>, all current printer driver settings are saved.</p> <p>You can also restore printer driver default settings by selecting <b>Default Print Settings</b> from the <b>Quick Sets</b> drop-down list.</p>	Type new Quick Set name here
<b>Save</b>	To save the new or changed Print Task Quick Set, click <b>Save</b> .	N/A
<b>Delete</b>	<p>To delete the selected Print Task Quick Set, click <b>Delete</b>.</p> <p>This button becomes available for all Print Task Quick Set selections except <b>Default Print Settings</b>.</p>	N/A

Effects tab (continued)

Field	Description	Default
<b>Resizing Options group</b>		
<b>Print Document On</b>	<p>Selecting this check box causes the document to be printed on a paper size other than the one for which it is formatted.</p> <p>When <b>Print Document On</b> is selected, a drop-down list displays the types of media available. The supported media types are:</p> <ul style="list-style-type: none"> <li>● 16K</li> <li>● 8.5 by 13 inch</li> <li>● A4</li> <li>● A5</li> <li>● A6</li> <li>● B5 (ISO)</li> <li>● B5 (JIS)</li> <li>● Double Postcard (JIS)</li> <li>● Envelope #10</li> <li>● Envelope B5</li> <li>● Envelope C5</li> <li>● Envelope DL</li> <li>● Envelope Monarch</li> <li>● Executive</li> <li>● Legal</li> <li>● Letter</li> <li>● Postcard (JIS)</li> </ul>	<p>Unselected</p> <p>Letter</p>
<b>Scale to Fit</b>	<p>This control becomes available if the <b>Print Document On</b> check box is selected. Selecting this check box enables the printer to reduce or enlarge the document to fit on the selected paper size.</p>	Unavailable
<b>% of Normal Size</b>	<p>This control becomes available when <b>Print Document On</b> is clear.</p> <p>This field allows you to specify the percentage of normal size that the printer will enlarge or reduce the document on the page.</p> <p>-Or -</p> <p>Move the slider right or left to increase or decrease the percentage of normal size.</p> <p>Normal size refers to the document page size (check the application's page size settings). You can also use the slider bar beneath the field to choose a percentage.</p>	<p>Available</p> <p>100</p>
<b>Watermarks group</b>		
<b>Watermarks</b>	<p>This drop-down list displays a list of words that the printer can then use to print a watermark on the document. The supported options are:</p> <ul style="list-style-type: none"> <li>● (none)</li> <li>● Confidential</li> <li>● Draft</li> <li>● SAMPLE</li> </ul>	(none)

**Effects tab (continued)**

<b>Field</b>	<b>Description</b>	<b>Default</b>
<b>First Page Only</b>	<p>This control box becomes available when text other than (none) is shown in the <b>Watermarks</b> drop-down list.</p> <p>Selecting this check box enables the printer to print the specified watermark on only the first page of the document. No watermarks are printed on the second and subsequent pages.</p>	Unavailable
<b>Edit</b>	Click <b>Edit</b> to open the <b>Watermark Details</b> screen.	N/A
<b>Watermark Details</b>		
<b>Current Watermarks</b>	<p>This control lists the available watermarks.</p> <p>The watermark that is highlighted in this list box also shows up as alterable text in the <b>Watermark Message</b> control.</p>	N/A
<b>New</b>	Clicking this button allows you to create a new watermark by highlighting the <b>(Untitled)</b> option and allowing you to type in text for your new watermark. This text then appears in the <b>Current Watermarks</b> list.	N/A
<b>Delete</b>	Clicking this button allows you to delete the selected watermark from the <b>Current Watermarks</b> list.	N/A
<b>Watermark Message</b>	Allows you to change the text of any highlighted watermark listed in the <b>Current Watermarks</b> list.	(none)
<b>Message Angle</b>	<p>This control consists of three options and a spin box:</p> <ul style="list-style-type: none"> <li>● <b>Diagonal</b> Selecting this option causes the selected watermark to print diagonally on the page.</li> <li>● <b>Horizontal</b> Selecting this option causes the selected watermark to print horizontally on the page.</li> <li>● <b>Angle</b> Selecting this option enables the spin box, which you can use to choose the angle of the watermark on the printed page.</li> </ul>	Diagonal
<b>Font Attributes group</b>		
<b>Name</b>	<p>Clicking a font name from this drop-down list specifies which font to use for the selected watermark.</p> <p>The supported font options consist of all the installed fonts on the computer.</p>	Default font for the document
<b>Color</b>	Gray is the only supported color option.	Gray

**Effects tab (continued)**

<b>Field</b>	<b>Description</b>	<b>Default</b>
<b>Shading</b>	<p>Clicking a setting from this drop-down list specifies how dark the selected watermark appears on the printed page. The supported shading options are:</p> <ul style="list-style-type: none"><li>● Lightest</li><li>● Very Light</li><li>● Light</li><li>● Medium Light</li><li>● Medium</li><li>● Medium Dark</li><li>● Dark</li><li>● Very Dark</li><li>● Darkest</li></ul>	Very Light
<b>Size</b>	<p>Use this spin box to specify the font size for the selected watermark.</p>	80
<b>Style</b>	<p>Clicking a setting from this drop-down list specifies the specific style for the font chosen for this watermark. The supported options available in this list depend on the fonts installed on the computer. Typical choices include:</p> <ul style="list-style-type: none"><li>● Regular</li><li>● Italic</li><li>● Bold</li><li>● Bold Italic</li></ul>	Regular
<b>OK</b>	<p>To update any changed settings on the printer and close the dialog box, click <b>OK</b>.</p>	N/A
<b>Cancel</b>	<p>To close the dialog box without saving the changes you have made, click <b>Cancel</b>.</p>	N/A

# HP Toolbox

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## Note

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The HP LaserJet 1010 series printers introduce with HP Toolbox 2.0.

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## CAUTION

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To avoid HP Toolbox conflicts, when installing the HP LaserJet 1010 series printer on a system with an HP Color LaserJet 2500, install the HP Color LaserJet 2500 first, and then install the HP LaserJet 1010 series printer.

The HP Toolbox is a Web application that you can use for the following tasks:

- Check the printer status.
- Configure the printer settings.
- View troubleshooting information.
- View online documentation.

You can view the HP Toolbox when the printer is directly connected to your computer or when it is connected to a network. You must have performed a complete software installation to use the HP Toolbox.

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## Note

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You do not have to have Internet access to open and use the HP Toolbox. However, if you click a link in the **Other Links** area, you must have Internet access in order to go to the site associated with the link. See ["Other links" on page 78](#) for more information. TCP/IP is required for HP Toolbox.

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## Note

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Toolbox features a debug mode for troubleshooting. To enable debug mode, see page 112.

## Supported operating systems

HP Toolbox is supported for Windows 98 SE, 2000, Me, and XP.

## Supported browsers

To use the HP Toolbox, you must have one of the following browsers:

- Microsoft Internet Explorer 5.5 or later recommended
- Netscape Navigator 6.3 or later
- Opera version 7 or later

All pages can be printed from the browser.

## HP Toolbox components

HP Toolbox has the following components:

- HP Toolbox utility
- Apache Tomcat Web server
- Java Runtime Environment
- Status Client

## Viewing HP Toolbox

- 1 On the **Start** menu, point to **Programs**, point to **HP LaserJet 1010 series**, and choose the **HP LaserJet Toolbox**.

2 The HP Toolbox opens in a Web browser.

OR

1 Double-click the icon in the system tray.

## Viewing HP Toolbox using the system tray icon

When viewing the HP Toolbox using the system tray icon, the following operations are available:

- If you double-click the icon when there is no alert, the browser opens the main page of HP Toolbox.
- If you double-click the icon when there is an existing alert, the browser opens the HP Toolbox current alerts page.
- If you right-click the icon and select Exit, the icon in the system tray disappears. This operation does not effect the HP Toolbox. (This shuts down only the UI/graphics part of the Status Client, but does not shut down Status Client completely. Status Client will still be able to enumerate printers.)

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### Note

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Once you open the URL, you can bookmark it so that you can return to it quickly in the future.

## HP Toolbox sections

The HP Toolbox software contains the following sections:

- [Status tab](#)
- [Troubleshooting tab](#)
- [Alerts tab](#)
- [Documentation tab](#)
- [Advanced Printer Settings window](#)

## HP Toolbox Links

Each page in the HP Toolbox contains links to these main pages:

- **Select a Device.** Switch to a different printer.
- **View Current Alerts.** View printer status information.
- **Text Only Page.** View links to the main pages of the Toolbox as text.

## Other links

Each page in the HP Toolbox contains links to the HP Web site for product registration, product support, and for ordering supplies. You must have Internet access in order to use any of these links. If you use a dial-up connection and did not connect when you first opened the HP Toolbox, you must connect before you can visit these Web sites.

## Status tab

The Status tab has links to these main pages:

- **Device Status.** View printer status information. This page will indicate printer conditions such as a paper jam or an empty tray. After you correct a problem with the printer, click **Refresh** to update the device status.
- **Print Info pages.** Print the configuration page, PCL Font List, and various other information pages that are available for the printer.

## Troubleshooting tab

The Troubleshooting tab provides links to these main pages:

- **Problem Solving:** Provides various printer troubleshooting information. Click the arrow buttons to scroll through steps to troubleshoot printing problems.
- **Status Light Patterns:** Provides illustrations and a table of status light conditions.
- **Print Quality Tools:** Enter Cleaning Mode. Click the arrow buttons to scroll through steps in Cleaning Mode.

## Alerts tab

The Alerts tab allows you to configure the printer to automatically notify you of printer alerts. The Alerts tab has links to this main page:

- Set up status alerts

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### Note

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Status alerts are only sent during printing to the person who sends the print job.

### Set up status alerts

On the Set up status alerts page you can choose to turn alerts on or off, specify when the printer should send an alert when they occur, and choose from two different types of alerts:

- a pop-up message
- a task bar icon

Click **Apply** to activate the settings.

## Documentation tab

The Documentation tab contains links to these information sources:

- **User Guide.** Contains the information about the printer usage, warranty, specifications, and support that you are currently reading. The user guide is available in both HTML and PDF format.
- **Read Me.** Contains late-breaking information about the printer, discovered after other documentation such as the user guide was developed. In English only.

## Advanced Printer Settings window

When you click the **Advanced Printer Settings** link, a new window opens. The Advanced Printer Settings window has two tabs:

- Information tab
- Settings tab

To access the HP Toolbox Information tab and Settings tab, on any HP Toolbox page, click **Advanced Printer Settings**. See the text options below for features in the HP Toolbox Information tab and Settings tab.

### Information tab

The Information tab provides quick links to the following information:

- Device status
- Configuration
- Event log
- Print Info pages

### Settings tab

The Settings tab has links to several pages that allow you to view and change the printer's configuration.

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#### Note

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Software application settings can override settings made in the HP Toolbox.

- **Device Information.** View basic information about the printer.
- **Paper Handling.** View and change the settings for the printer's input tray.
- **Printing.** View and change the default printer job settings.
- **PCL.** View and change the PCL font information.
- **Print Quality.** View and change the print quality settings.
- **Print Modes.** View and change the print modes for various media types.
- **System Setup.** View and change system information.
- **I/O.** View and change the I/O timeout setting.
- **Service.** Access service related functions, such as cleaning mode and resets.

## Settings tab text options

Item	Description	Default
<b>Device Information Group</b>		
<b>Device Description</b>	The printer name is displayed in the text box.	Printer model
<b>Asset Number</b>	In the text box, type the asset number.	N/A
<b>Company Name</b>	In the text box, type the company name.	N/A
<b>Contact Person</b>	In the text box, type the name of contact person.	N/A
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A
<b>Paper Handling group</b>		
<b>Default Paper Size</b>	<p>From the drop-down list, select from the following options:</p> <ul style="list-style-type: none"> <li>● A4</li> <li>● A5</li> <li>● B5 (Envelope)</li> <li>● B5 (ISO)</li> <li>● C5</li> <li>● COM10</li> <li>● Custom</li> <li>● DL</li> <li>● Exec</li> <li>● Foolscap</li> <li>● JB5</li> <li>● JDoublePostcard</li> <li>● JPostcard</li> <li>● Legal</li> <li>● Letter</li> <li>● Monarch</li> <li>● 16K</li> </ul>	Letter
<b>Default Paper Type</b>	<p>From the drop-down list, select from the following options:</p> <ul style="list-style-type: none"> <li>● Bond</li> <li>● Card Stock (105-176g/m<sup>2</sup>)</li> <li>● Colored</li> <li>● Envelope</li> <li>● Heavy (90-105 g/m<sup>2</sup>)</li> <li>● Labels</li> <li>● Letterhead</li> <li>● Light (&lt;75 g/m<sup>2</sup>)</li> <li>● Plain</li> <li>● Preprinted</li> <li>● Prepunched</li> <li>● Recycled</li> <li>● Rough</li> <li>● Transparency</li> </ul>	Plain
<b>Manual Feed</b>	To set the manual feed option, from the drop-down list, select either <b>On</b> or <b>Off</b> .	Off

**Settings tab text options (continued)**

<b>Item</b>	<b>Description</b>	<b>Default</b>
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	
<b>Printing Group</b>		
<b>Copies</b>	In the text box, type the number of copies to print (1-999).	1
<b>Wide A4</b>	From the drop-down list, select either <b>Yes</b> or <b>No</b> .	No
<b>Courier Font</b>	From the drop-down list, select either <b>Regular</b> or <b>Dark</b> .	Regular
<b>Orientation</b>	To select the paper orientation, select either <b>Portrait</b> or <b>Landscape</b> .	Portrait
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A

## Settings tab text options (continued)

Item	Description	Default
<b>Symbol Set</b>	<p>From the drop-down list, select from the following options:</p> <ul style="list-style-type: none"> <li>● ARABIC8</li> <li>● GREEK8</li> <li>● DESKTOP</li> <li>● LEGAL</li> <li>● PC-1004</li> <li>● PC-8TK</li> <li>● PS TEXT</li> <li>● Roman-8</li> <li>● HPWARA</li> <li>● HEBREW7</li> <li>● HEBREW8</li> <li>● ISO-11</li> <li>● ISO-15</li> <li>● ISO-17</li> <li>● ISO-21</li> <li>● ISO-4</li> <li>● ISO-6</li> <li>● ISO-60</li> <li>● ISO-69</li> <li>● ISOCYR</li> <li>● ISOGRK</li> <li>● ISOHEB</li> <li>● ISO L1</li> <li>● ISO L2</li> <li>● ISO L5</li> <li>● ISO L6</li> <li>● MC TEXT</li> <li>● PC-775</li> <li>● PC-8</li> <li>● PC-850</li> <li>● PC851GRK</li> <li>● PC862HEB</li> <li>● PC864ARA</li> <li>● PC866CRY</li> <li>● PC866UKA</li> <li>● PC-8 DN</li> <li>● PC8GRK</li> <li>● PC-852</li> <li>● WINCYR</li> <li>● WINGRK</li> <li>● WINBALT</li> <li>● WIN 3.0</li> <li>● WIN L1</li> <li>● WIN L2</li> <li>● WIN L5</li> </ul>	PC-8
<b>Append CR to LF</b>	From the drop-down list, select either <b>Yes</b> or <b>No</b> .	No
<b>Form Length</b>	In the text box, type the form length value (5-128).	60

### Settings tab text options (continued)

Item	Description	Default
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A
<b>Print Quality group</b>		
<b>Resolution</b>	From the drop-down list, select from the following options: <ul style="list-style-type: none"> <li>● FastRes1200</li> <li>● 600</li> </ul>	FastRes 1200
<b>RET</b>	From the drop-down list, select either <b>On</b> or <b>Off</b> .	On
<b>Density</b>	From the drop-down list, select the density value (1=Light; 5=Dark).	3
<b>Economode</b>	From the drop-down list, select either <b>On</b> or <b>Off</b> .	Off
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A
<b>Print Modes group</b>		
<b>Color</b>	From the drop-down list, select from the following options: <ul style="list-style-type: none"> <li>● Bond</li> <li>● Card Stock (105-176 g/m<sup>2</sup>)</li> <li>● Heavy (90-105 g/m<sup>2</sup>)</li> <li>● Light (&lt;75 g/m<sup>2</sup>)</li> <li>● Plain</li> <li>● Rough</li> </ul>	Plain
<b>Letterhead</b>	From the drop-down list, select from the following options: <ul style="list-style-type: none"> <li>● Bond</li> <li>● Card Stock (105-176 g/m<sup>2</sup>)</li> <li>● Heavy (90-105 g/m<sup>2</sup>)</li> <li>● Light (&lt;75 g/m<sup>2</sup>)</li> <li>● Plain</li> <li>● Rough</li> </ul>	Plain
<b>Preprinted</b>	From the drop-down list, select from the following options: <ul style="list-style-type: none"> <li>● Bond</li> <li>● Card Stock (105-176 g/m<sup>2</sup>)</li> <li>● Heavy (90-105 g/m<sup>2</sup>)</li> <li>● Light (&lt;75 g/m<sup>2</sup>)</li> <li>● Plain</li> <li>● Rough</li> </ul>	Plain

## Settings tab text options (continued)

Item	Description	Default
<b>Prepunched</b>	From the drop-down list, select from the following options: <ul style="list-style-type: none"> <li>● Bond</li> <li>● Card Stock (105-176 g/m<sup>2</sup>)</li> <li>● Heavy (90-105 g/m<sup>2</sup>)</li> <li>● Light (&lt;75 g/m<sup>2</sup>)</li> <li>● Plain</li> <li>● Rough</li> </ul>	Plain
<b>Recycled</b>	From the drop-down list, select from the following options: <ul style="list-style-type: none"> <li>● Bond</li> <li>● Card Stock (105-176 g/m<sup>2</sup>)</li> <li>● Heavy (90-105 g/m<sup>2</sup>)</li> <li>● Light (&lt;75 g/m<sup>2</sup>)</li> <li>● Plain</li> <li>● Rough</li> </ul>	Plain
<b>Restore Modes</b>	To restore the print modes, select the check box.	Unchecked
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A
<b>System Setup group</b>		
<b>Jam Recovery</b>	From the drop-down list, select from the following options: <ul style="list-style-type: none"> <li>● Auto</li> <li>● Off</li> <li>● On</li> </ul>	Auto
<b>Auto Continue</b>	From the drop-down list, select either <b>Off</b> or <b>On</b> .	Off
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A
<b>I/O group</b>		
<b>I/O Timeout</b>	In the text box, type the number of seconds (5-300).	15 seconds
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A

### Settings tab text options (continued)

Item	Description	Default
<b>Service group</b>		
<b>Cleaning Mode</b>	To start the cleaning mode, click <b>Start</b> .	N/A
<b>Resets</b>	To restore all advanced printer settings to the factory defaults, select the check box and click <b>Apply</b> .	Unchecked
<b>Apply</b>	To save any settings changed, click <b>Apply</b> .	N/A
<b>Cancel</b>	To cancel any changes made, click <b>Cancel</b> .	N/A

# 6 System changes through installation

## Installation changes to Windows systems

The tables in the following sections detail the changes to the system as new folders and files are added when the HP LaserJet 1010 series software is installed on computers running Windows operating systems.

### Note

This listing does not include files that are created, and then deleted, during the installation process.

For a complete list of files installed to Windows systems, see the *HP LaserJet 1010 series software technical reference addendum*.

### Changes to \*.INI and Windows registry changes

For a complete list of these files, see the *HP LaserJet 1010 series software technical reference addendum*.

### Win.ini changes after installation

For a complete list of these files, see the *HP LaserJet 1010 series software technical reference addendum*.

### Windows registry changes

For a complete list of these files, see the *HP LaserJet 1010 series software technical reference addendum*.

Registry entries are made based upon a ROOTKEY\Key\Name = value format. The root keys are:

Root key	Description
HKLM	HKEY_LOCAL_MACHINE
HKCR	HKEY_CLASSES_ROOT
HKCU	HKEY_CURRENT_USER
HKU	HKEY_USERS

## Installation changes to Mac systems

For a complete list of these files, see the *HP LaserJet 1010 series software technical reference addendum*.



# 7 Uninstallation

## Uninstall in Windows 95 and Windows NT 4.0

To uninstall the software from Windows 95 and Windows NT, use the following method:

- 1 Click **Start**, click **Settings**, and then click **Printers**.
- 2 In the Printers window, right-click the printer icon, and click **Delete**.

---

### Note

To uninstall the software from Windows NT 4.0, you must log on with administrator privileges.

## Uninstall methods in Windows 98 SE, Me, 2000, and XP

Two methods are available to uninstall the HP LaserJet 1010 series software using the Add/Remove Programs feature:

- Program group method
- Control panel method

### Program group method

To uninstall using this method, click **Start**, select **Programs**, select **HP LaserJet 1010**, and then click **Add or Remove**. This starts the uninstallation program. Follow the instructions on the screen. When all the files are removed, you are prompted to restart the computer.

---

### Note

If using the program group method for uninstalling the HP LaserJet 1010 series software, you need the software CD-ROM.

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## Control panel method

To uninstall using this method, click **Start**, select **Settings**, click **Control Panel**, and then double-click **Add/Remove Programs (Add or Remove Programs in Windows XP)**. Select **HP LaserJet 1010 series** from the list of programs, and then click **Remove**. This starts the uninstallation program. Follow the instructions on the screen. When all the files are removed, you are prompted to restart the computer.

## Uninstallation text options using the program group method

### Windows 98 SE, Me, 2000, and XP

After inserting the CD-ROM, the Welcome screen appears. The following text options are available during uninstallation in Windows operating system:

Screen/Field	Description	Default
<b>Welcome screen</b>	This screen indicates that Setup has detected that there is already an HP LaserJet 1010 series printer installed.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Clicking this button cancels the uninstallation process and displays the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Setup Maintenance</b>	Select from the following options and then click <b>Next</b> : <ul style="list-style-type: none"><li>● <b>Add an additional printer or printer driver</b> Use this option to run the HP LaserJet 1010 series Setup Wizard.</li><li>● <b>Modify the existing installation</b> Use this option to add or remove features.</li><li>● <b>Remove All</b> Use this option to uninstall the HP LaserJet 1010 series software.</li></ul>	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Next</b>	Click <b>Next</b> to continue to the next screen.	N/A
<b>Cancel</b>	Clicking this button cancels the uninstallation process and displays the HP LaserJet 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Remove the Program</b>	This screen lists the printer software installed on the computer.	N/A
<b>Back</b>	Click <b>Back</b> to return to the previous screen.	N/A
<b>Remove</b>	Click <b>Remove</b> to start the uninstallation process.	N/A
<b>Cancel</b>	Clicking this button cancels the 1010 Setup Interrupted screen. Click <b>Finish</b> to exit the Setup Wizard.	<b>Finish</b>
<b>Finish</b>	Click <b>Finish</b> to complete the uninstallation process.	N/A
<b>HP LaserJet 1010 Installer Information</b>	This screen prompts the user to restart the computer to make the configuration changes. To restart now, click <b>Yes</b> . To restart later, click <b>No</b> .	N/A

## Files not removed, and manual uninstall

For a complete list of these files, see the *HP LaserJet 1010 series software technical reference addendum*.

## Scrubber Utility

A scrubber utility is provided to remove files and entries that may not be properly handled by the uninstaller. The scrubber runs in the following operating systems: Windows 95, 98, Me, NT 4.0, 2000, and XP.

The scrubber program ("scrubber.exe") is an ini file driven program. The ini file ("scrubber.ini") contains the specific information the scrubber executable needs in order to "scrub" any trace of a product from the PC. The scrubber goes through the following functions in the order below.

- 1 Run the uninstaller - The scrubber checks the system to see if it should first launch the uninstaller. If so, the uninstaller is launched and run before the scrubber finishes.
- 2 End problem applications - Any "problem" applications which are known can be added to this list and ended when the scrubber runs.

Then the scrubber proceeds to remove any remaining items. In steps 3-11, only the items that are specific to the HP LaserJet 1010 series printers are removed.

- 3 Remove printers and drivers - The scrubber enumerates the printers on the system and removes any printers that use the specified driver. Print jobs pending for those printers are canceled before attempting to delete the printer. After the printer is deleted the printer driver is removed. The spooler is restarted on NT systems if an error is returned stating that the printer driver is in use. The scrubber then reattempts to delete the printer driver.
- 4 Remove language monitors.
- 5 Remove print processors.
- 6 Remove devices from the device manager.
- 7 Remove inf files.
- 8 Remove directories.
- 9 Remove files.
- 10 Remove strings from the device path key.
- 11 Remove registry keys.

The scrubber utility is available in the HewlettPackard directory on the Software CD. The ini file and the exe file must be in the same location when running the scrubber. Execute the scrubber from the DOS command line or Windows Run line.

When the scrubber is executed, no dialogs appear. It takes just a few seconds to run. The user must restart after running the scrubber. If the scrubber is run from the host machine, a scrubber.log file is created in the same location as the scrubber which helps diagnose issues if they occur.

## Software uninstall (Mac)

The Uninstall program removes the HP LaserJet 1010 software from the computer.

### Uninstall for Mac OS 9.x and Mac OS X v10.1 and v10.2

Use the instructions below to uninstall the software on a Mac computer running Mac 9.x, OS X v10.1 and higher:

- 1 Insert the printer software CD-ROM into your CD-ROM drive.
- 2 If the CD-ROM does not auto-launch, on the desktop, double-click the **HP LaserJet 1010** CD-ROM icon.
- 3 Double-click the **HP LaserJet 1010** folder.

- 4 Double-click the **HP LaserJet Installer (Classic or OS X)** for the appropriate OS.
- 5 Click **Continue**, click **Accept**, and then click **Continue**.
- 6 From the drop-down list, select **Uninstall**.
- 7 For OS X only, Print Center will auto-launch to give you the opportunity to delete the HP LaserJet 1010 print queue after uninstalling the software.

# 8 Software availability and fulfillment

## Ordering software

To order the software if your CD-ROM is damaged or missing, contact Hewlett-Packard Support. Part numbers for the software CD-ROMs for the HP LaserJet 1010 series printers, and which languages are on them, are given in the table below.

The CD-ROM Key refers to the software and documentation language sets included on the CD..

### CD-ROM ordering information

CD-ROM key Number	Version	Languages included on CD-ROM	Part number
<b>For HP LaserJet 1010 series</b>			
1	1.0	English, French, German, Italian, Spanish, Dutch, Portuguese, Greek, Arabic, *Farsi	Q2460-60101
2	1.0	English, Swedish, Finnish, Danish, Norwegian, *Estonian, *Lithuanian, *Latvian	Q2460-60102
3	1.0	English, Polish, Hungarian, Czech, Slovakian, *Slovenian, *Croatian, *Romanian, Russian, *Kazakh, *Ukrainian, Turkish, *Bulgarian, Hebrew, Arabic	Q2460-60103
4	1.0	English, Traditional Chinese, Simplified Chinese, Korean, Thai, *Bahasa Indonesian	Q2460-60104
5	1.0	English, Simplified Chinese	Q2460-60105

\*Denotes partial localization

### Note

The complete software for this printer is not provided on the Web due to licensing restrictions. If a replacement CD-ROM or newer version of the software than what shipped with the printer is needed, go to <http://www.hp.com/support/lj1010> and click the CD-ROM order page to order.

For a current list of telephone numbers to use for ordering software, go to [http://search1.external.hp.com:8087/krs?method=viewfile&filename=c00001126&application=csso\\_web](http://search1.external.hp.com:8087/krs?method=viewfile&filename=c00001126&application=csso_web) and select **HP Hardcopy Support -Worldwide Software Fulfillment Support Phone List** and document number **c00001126**.

# Languages

The following tables detail the language options for the HP LaserJet 1010 series printers.

## Localization and part numbers

### User guides for HP LaserJet 1010 series printers

Languages included in the guides	Part number
English	Q2460-90909
French	Q2460-90910
Italian	Q2460-90911
German	Q2460-90912
Spanish	Q2460-90913
Danish	Q2460-90914
Greek	Q2460-90915
Finnish	Q2460-90916
Hebrew	Q2460-90917
Hungarian	Q2460-90918
Korean	Q2460-90919
Dutch	Q2460-90920
Norwegian	Q2460-90921
Polish	Q2460-90922
Portuguese	Q2460-90923
Russian	Q2460-90924
Swedish	Q2460-90925
Simplified Chinese	Q2460-90926
Traditional Chinese	Q2460-90927
Croatian	Q2460-online
Czech	Q2460-online
Romanian	Q2460-online
Slovak	Q2460-online
Slovenian	Q2460-online
Turkish	Q2460-online
Arabic	Q2460-online
Farsi	Q2460-online
Bahasa Indonesian	Q2460-online
Thai	Q2460-online

## Welcome mats for HP LaserJet 1010 printers

<b>Languages included in the welcome mats</b>	<b>Part number</b>
English French German Italian Spanish Dutch Portuguese Greek	Q1336-90901
English Danish Finnish Norwegian Swedish Estonian Latvian Lithuanian	Q1336-90902
English Polish Hungarian Czech Slovakian Slovenian Croatian Romanian	Q1336-90903
English Russian Kazakh Ukrainian Bulgarian Turkish Hebrew	Q1336-90904
English French Arabic Farsi	Q1336-90905
English Bahasa Indonesian Traditional Chinese Korean Thai Vietnamese	Q1336-90906
English Simplified Chinese	Q1336-90907
English Spanish Portuguese French	Q1336-90908



# 9 Port communication

The HP LaserJet 1015 printer includes both an IEEE-1284 (parallel) port and a USB port.

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**Note**

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Do not connect the printer to the computer using both ports because printing results may be unpredictable and this configuration is not supported.

## Parallel port connections

If you are connecting the HP LaserJet 1015 using the parallel port, then the computer must include a bidirectional data bus and cable. Ports are designated as enhanced capabilities port (ECP), IEEE-1284, or PS/2 qualify.

Extended parallel port only (EPP-only) or unidirectional ports are not supported. However, some ports can be set to EPP/ECP through the CMOS setup or a jumper setting, which is supported.

See Troubleshooting (page 105) in this document for parallel port issues and solutions.

## Other parallel port devices

If connecting the HP LaserJet 1015 directly to the computer's parallel port, then it is recommended that you do not use devices such as a switch box, security dongle, or other device connected to the same parallel port. Disconnect such devices prior to connecting and using the HP LaserJet 1015 series printer. Another option would be to have two parallel ports installed in the computer. Parallel port expansion cards may be used, but they are not supported by Hewlett-Packard.

## Changing parallel port modes

This section provides the steps to make sure that the parallel port is configured to provide the best performance with the HP LaserJet 1015 printers.

The mode for the parallel port determines how the parallel port performs with the HP LaserJet 1015 series printers. This mode can default to a number of different settings. Unfortunately, the HP LaserJet 1015 software cannot automatically select the best setting. (ECP mode generally provides the best printing and scanning performance.) Therefore, you need to check this setting yourself.

Different basic input/output system (BIOS) options frequently exist within the computer manufacturer's range of products. Changing the parallel port mode is similar for all computers if they have the capability built in. However, see the computer documentation for specific instructions on changing the parallel mode for the computer.

Even though the label on the parallel port mode says ECP, it might not follow the protocol. If the port mode option you choose does not work, then try another option in the Setup. If the computer does not have the ECP capability built in, an external parallel port card can be installed to add this functionality.

In addition to the parallel port mode being set incorrectly, there might be other areas of potential parallel port conflict involving software and hardware from other manufacturers. If none of the options in the Setup allow the HP LaserJet 1015 printer to talk to the computer, or you have other devices that need a parallel port, you can add an external ECP parallel port card to your computer. Then, connect the HP LaserJet 1015 printer to one of the parallel ports and connect the other devices you have to the other parallel port. These parallel port cards are available at computer stores and allow your HP LaserJet 1015 printer to communicate with the computer without conflicting with other devices. For basic information on identifying and resolving device conflicts, see ["To receive the most current printer status in HP Toolbox, on the Status tab, click Refresh Status. To run Toolbox with debugging enabled, see page 112." on page 99.](#)

## USB port connections

The Universal Serial Bus (USB), version 2.0 full speed, is also available for both PCs and Macs.

There is a distinction between a "USB Host" and a "USB Device." The HP LaserJet 1010 series printer is a "USB Device." It can connect only to a USB Host or a USB Hub.

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### Note

Windows 95 and Windows NT 4.0 do not support USB cable connections and require HP LaserJet 1015.

## HP Toolbox and embedded Web server communication

The HP Toolbox includes an embedded Web server to provide the Advanced Printer Settings functions of the HP Toolbox.

An embedded Web server resides in the HP LaserJet 1010 series printers and the HP Toolbox communicates with this embedded Web server. The HP Toolbox is installed during the standard install process and runs in the Apache Tomcat Server (v. 4.03) and the Sun™ Java Runtime Environment (JRE) version 1.3.1, allowing the HP Toolbox status and device configuration to simulate an embedded Web server in a printer that does not contain a Web server. Status Client is a native application that is part of the HP Toolbox software and runs on the user's computer. It communicates with the main HP Toolbox application. In addition to the HP Toolbox and Status Client applications, the installer installs the Tomcat server and the JRE v.1.3.1, if it is not already installed on the user's computer. For more information on the Apache Tomcat Server, go to <http://jakarta.apache.org/tomcat/index.html>. The Apache Tomcat Server is open source software. For more information on the Sun™ Java Runtime Environment (JRE) v. 1.3.1, go to <http://java.sun.com/j2se/1.3./>.

### HP Toolbox embedded Web server features

Description	HP Toolbox
<b>Supported browsers</b>	The following browsers are supported: <ul style="list-style-type: none"><li>● Microsoft Internet Explorer 5.0 and later</li><li>● Netscape Navigator 4.75 and later</li></ul>
<b>Supported operating systems</b>	<ul style="list-style-type: none"><li>● Windows 98 SE</li><li>● Windows Me</li><li>● Windows 2000</li><li>● Windows XP</li><li>● Mac OS X v10.1 and v10.2</li></ul>
<b>Connection</b>	Any direct or network connection method.
<b>Access</b>	Requires a supported browser and network or Internet access. <b>Note:</b> If the HP LaserJet 1010 series printer is behind a firewall, Internet access may not be possible.
<b>Supported languages</b>	For HP Toolbox supported languages, see <a href="#">"Ordering software" on page 93</a> .
<b>Installation</b>	HP Toolbox software must be installed.
<b>Status alerts</b>	Status alert available.
<b>Documentation and troubleshooting information</b>	Available.

### HP Toolbox communication

HP Toolbox is available for Windows 98 SE, Windows Me, Windows 2000, and Windows XP. HP Toolbox works with a Web browser to provide information about the printer status, as well as configure and send alerts, provide troubleshooting, and provide user documentation. You can also register the printer, order supplies, and access the user guide and product support.

To receive the most current printer status in HP Toolbox, on the **Status** tab, click **Refresh Status**. To run Toolbox with debugging enabled, see page 112.



# Appendix

## Late-breaking Readme file

Printing System Late-breaking Readme for the  
HP LaserJet 1010 series printer

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Late-breaking Readme Contents:

- I. Introduction
  - Operating Systems
  - Minimum System Requirements
- II. Software
- III. Installation
  - Installation Overview
  - Installation Instructions
  - Installation Options
- IV. HP Toolbox Functions
- V. Known Issues
- VI. Technical Assistance
- VII. Legal Statements
  - Trademark Notices
  - Legal Notice
  - Copyright

\*\*\*\*\*

### I. INTRODUCTION

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#### OPERATING SYSTEMS

This readme file provides specific installation instructions and other information for the HP LaserJet 1010 printers. Installation instructions are provided for the following operating systems:

- Windows NT 4.0, Windows 95
- Windows 98, Windows Me, Windows 2000, Windows XP
- Macintosh 9.x, 10.1, 10.2

- UNIX/Linux, DOS, OS2

For additional information on the printer features and driver features, refer to the online Help included with each software component and to the printer online user guide on the software CD.

#### MINIMUM SYSTEM REQUIREMENTS

- Windows 95: (print driver only) Pentium® 90 MHz with 16 MB RAM
- Windows NT 4.0 (print driver only), Win 98, Win Me, Win 2000:  
Pentium® 166 MHz with 32 MB RAM
- Windows XP: 233 MHz with 64 MB RAM
- Macintosh operating system 9.x (print driver only), or OS X (OS 10)
- 150 MB free hard disk space for full software installation, including HP toolbox
- CD-ROM drive
- USB 2.0 port or dedicated IEEE 1284-B compliant bi-directional parallel port (both ports cannot be used concurrently)

#### Cables

- 2-meter parallel cable, C2950A
- 3-meter parallel cable, C2951A
- USB cable, C6518A CPC

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#### II. SOFTWARE

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The software included with this product is:

- PCL 5e driver
- Host-based driver
- PS driver (HP LaserJet 1015 only)
- HP toolbox 2.0

TCP/IP networking must be installed and enabled.

\*\*\*\*\*

### III. INSTALLATION

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#### INSTALLATION OVERVIEW

Hewlett-Packard recommends that you install the printer software before connecting the printer to your computer with a parallel or USB cable.

#### INSTALLATION INSTRUCTIONS

##### Windows 95 and Windows NT

Only printer driver installation is supported on these operating systems. The HP toolbox software is not supported on these operating systems. You may use the Windows operating system's Add Printer utility to install the printer drivers. The printer drivers for a particular language and operating system (OS) can be found in the corresponding folder on the software CD:  
<language>\drivers\<OS>

##### Windows 98, Windows 2000, Windows Me, and Windows XP

The full HP LaserJet 1010 series software installation is supported on these operating systems.

If the 'New Hardware Found' message appears on the computer screen and you have not installed the printer software, insert the software CD, browse and select the drive with the software CD, click 'Next', and follow the instructions.

##### Macintosh Operating Systems 9.x

Only printer driver installation is supported on the Macintosh 9.x operating systems.

The HP LaserJet 1010 software is not supported on the following operating systems:

- Windows 3.x
- DOS
- Linux
- UNIX
- OS/2
- Macintosh Operating Systems earlier than version 9.1

## INSTALLATION OPTIONS

### JAVA Runtime Environment

If the Java Runtime Environment (JRE) V1.3.1 is not found on your system during installation of the software on Windows 98, Windows 2000, or Windows XP, the JRE is installed in the HP toolbox 2.0 folder.

The JRE does not have a separate installer. It can be removed only if HP toolbox is uninstalled. The JRE folder in the 'Toolbox2.0' folder (where the HP toolbox software is installed) can be removed and another version can be installed. THE JAVA\_HOME environment variable should contain the location of the JRE.

Information about the latest version of JRE is available at the following Web site:

<http://java.sun.com/j2se/1.3/>

### Apache Tomcat Web Server

Apache Tomcat 4.03, which is compatible with the software, will be installed in the HP toolbox 2.0 software folder.

### Older Files

If HP toolbox 1.0 is installed, some files may be replaced with newer, compatible versions in the HP toolbox 2.0 software.

### Removing Printing Software Components (in Windows)

If you wish to remove printing software components, such as HP toolbox, follow these instructions: Select 'Start', 'Programs', 'HP LaserJet 1010' group, 'Add or Remove', and then follow the instructions. Be sure to select the components that you wish to remove.

### Customization Utility

To create a custom installer, please refer to the instructions in the document, cu\_readme.rtf, in the appropriate language folder on the software CD.

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#### IV. HP TOOLBOX FUNCTIONS

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The HP toolbox 2.0 software is available for Windows 98, Windows Me, Windows 2000, Windows XP, and Macintosh OS X (web only). HP toolbox contains the following functions:

- check printer status
- check consumables status
- configure for printer status alerts
- troubleshooting assistance and status light patterns help
- user documentation for printer
- other helpful external web links

HP toolbox 2.0 is not available for any other operating systems. See the Installation Instruction section, above, for details. However, in a network environment where the HP LaserJet 1010 is connected to an HP Jetdirect print server, the HP LaserJet 1010's embedded web server can be accessed for printer management.

HP toolbox works with a web browser and has been optimized for the following browser versions:

Windows:

- IE 5.5 and later
- Netscape 6.2 and later
- Opera 7 and later

Macintosh: (OS 10 only)

- IE 5.1 and later
- Netscape 6.23 and later

For optimal browser display of HP toolbox content, set the browser language to the language in which the content is being displayed.

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#### V. KNOWN ISSUES

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- During installation, a 'File in use' warning may occur. If it does, click 'Ignore', and the installation will continue and complete correctly.
  
- If your browser is set up to connect through a proxy server and you are unable to access HP toolbox, add 'localhost' or '127.0.0.1' as an address for which to bypass the proxy server. (For Internet Explorer, from the 'Tools' menu, select 'Internet Options...'. On the Connections tab, click the 'LAN Settings' button and then click the 'Advanced...' button. For Netscape, from the 'Edit' menu, select 'Preferences', select 'Advanced', and then select 'Proxies'.)

- On Windows operating systems, Windows Networking (TCP/IP) must be enabled for HP toolbox to work properly.
  
- If MS PowerPoint color text prints as black text, uncheck the 'Grayscale' or 'Black & White' check box on the application's 'File\Print' dialog and reprint the document. (Uncheck the 'Grayscale' or 'Black & White' check box before printing each time.)
  
- HP recommends 'Software First' installation of the printer software on all Windows operating systems. However, if you do a 'Hardware First' installation:
  1. to the USB port on Windows XP, it is recommended that you accept the default selections that appear on the 'Found New Hardware' wizard dialogs to install the printer correctly.
  2. to the parallel port on Windows 2000, and if a 'Hardware Installation' warning dialog, which states that the software you are installing for the hardware 'has not passed Windows Logo testing...' appears, click the 'Continue Anyway' button, and a signed driver will be installed successfully.
  
- HP toolbox cannot access an HP LaserJet 1010 printer that is shared (MS Networking) by a print server or directly connected to another computer.
  
- If, after installing the HP LaserJet 1010 software (including HP toolbox) with the 'Directly connected to this computer' option, you wish to install another driver for the same printer, two options are available (in Windows):
  1. Use the Windows 'Add Printer' feature and select the DOT4 port, (e.g. DOT4\_01) on which the printer is already installed.
  - 2a. Insert the software CD in your CD-ROM drive
    - b. Select the 'Add or Remove' feature in the 'HP LaserJet 1010' program group OR Double-click 'Setup.exe' in the root of the software CD to start the installer.
    - c. Follow the instructions. Be sure to select the HP toolbox and the print driver you wish to install.
    - d. Select 'Other', and then the DOT4 port (for example, DOT4\_01) on which the printer is already installed. Do not select USB or LPTx, where 'x' is the LPT port number.
  
- If, after installing the HP LaserJet 1010 software (including HP toolbox) with the 'Connected via the network' or 'Directly connected to this computer' option, you wish to install another printer (to a different port) and you want to access the printer with HP toolbox, you must use the software installer on the CD. You must select HP toolbox and the print driver you wish to use in the options provided in the installation.
  
- If, after installing the HP LaserJet 1010 software, you upgrade your Windows Me/98 operating system to Windows XP Pro or you upgrade your Windows 2000 operating system to Windows XP Home, the HP toolbox software will not work properly. It is recommended that you do the following:
  1. Uninstall the HP LaserJet 1010 software.
  - 2a. Change your Win Me/98 operating system to Win XP Pro, OR b. Change your Win 2000 operating system to Win XP Home.
  3. Reinstall the HP LaserJet 1010 software.

- When text that is printed with the HP PCL 5e driver is not optimal, try one of the following, depending on your driver and operating system, and reprint your document:
  1. To use the HP LaserJet PCL 5e print driver:
    - a. Win 9x, Win Me, Win NT: Check the 'Send TrueType as Bitmaps' box on the 'Finishing\Print Quality Details' page in the driver's 'Printing Preferences' or 'Properties'.
    - b. Win 2000, Win XP: Enable the 'Send TrueType as Bitmaps' feature on the 'Advanced' page of the print driver's 'Printing Preferences' or 'Properties'.
  2. Use the host-based driver.
- The host-based driver does not support print driver vending (point 'n print).
- When uninstalling the HP LaserJet 1010 software, if you use the 'Add or Remove' feature in the 'HP LaserJet 1010' program group, you will need the software CD. However, if you use the 'Add/Remove Programs' feature in the Windows Control Panel group, you will not need the software CD.
- If you use the Opera browser to access HP toolbox, please use the latest version of the browser for best results.
- With Windows 98/Me, if the HP LaserJet 1010 software installer does not give you an option to select the Customization Utility, run the following command from the software CD drive: '<CD Drive>:\hpsetup.exe /a', where <CD Drive> is the letter of the drive in which the CD is installed.
- To have full printer driver functionality when printing a document to file using the HP LaserJet PCL 5e, or the HP LaserJet PS driver with Win XP or Win 2000, you must create a 'Local Port' and map the printer driver to that port.
- In the Windows or Mac OS X environments, the printer symbol set can be set by accessing the printer's embedded web server directly or through the HP toolbox. In the DOS environment, set the symbol set as follows:
  1. Find the '.pjl' file for your language in the 'DOS' folder at the root of the software CD.
  2. From a DOS window, copy the file to the printer port (for example, 'copy /b <filename> LPTx', where x is your LPT port number). Please read the 'SYMreadme.txt' file at the root of the software CD for detailed instructions.
- Windows XP 64-bit print drivers for HP LaserJet 1010 printers will be available only on the web.
- HP toolbox for Mac OS X is available only on the web. The print drivers for the Mac operating system are available on the software CD and the web.
- Installation of the software on a Novell network using the HP software installer is not supported. To install print drivers on a Novell Network, use Novell's driver installer.

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## VI. TECHNICAL ASSISTANCE

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### OBTAINING ADDITIONAL INFORMATION FROM HP SERVICES

See the flyer that shipped in the box with the product.

### OBTAINING INFORMATION VIA THE INTERNET

HP provides technical assistance and support 24 hours a day, 7 days a week, at no charge. For updated HP printer software, product and support information, and printer drivers in several languages, use the following URLs to reach HP via the internet.

HP LaserJet 1010: <http://www.hp.com/support/lj1010>

(Site is in English.)

General HP access: <http://www.hp.com>

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## VII. LEGAL STATEMENTS

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