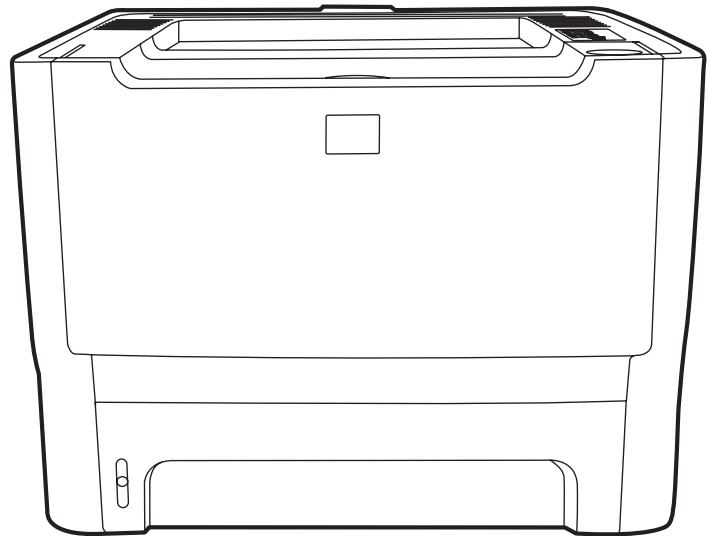


HP LaserJet P2010 Series

Software Technical Reference



HP LaserJet P2010 Series printer

Software Technical Reference



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1 Purpose and scope

Introduction

This software technical reference (STR) provides information about and troubleshooting tips for the HP LaserJet P2010 Series printing-system software.

This STR is prepared in an electronic format to serve as a quick-reference tool for Customer Care Center (CCC) agents, support engineers, system administrators, management information systems (MIS) personnel, and end users, as appropriate.

 **NOTE:** This STR describes drivers that are shipped on the printing-system software CD that comes with the device. This STR does *not* describe drivers that will become available on the Web.

The following information is included in this STR:

- Descriptions of print drivers, environments, and operating systems
- Procedures for installing and uninstalling the printing-system software components

For information about the location of information within chapters, see the table of contents. An index is also provided in this STR.

Topics:

- [Device features](#)
- [Printing-system software](#)
- [Documentation availability and localization](#)

Device features

The following table contains descriptions of features that are available for the HP LaserJet P2010 Series printer. Device configurations might vary among countries/regions.

Table 1-1 Features of the HP LaserJet P2010 Series printer

Feature	HP LaserJet P2010 Series printer (HP Product number: CB450A)
Memory	<ul style="list-style-type: none"> 32 megabytes (MB) of random access memory (RAM)
Speed	<ul style="list-style-type: none"> Prints up to 24 pages per minute (ppm) for letter-size paper Prints up to 23 ppm for A4-size paper First-page-out speed: as few as 8.5 seconds
Connectivity	<ul style="list-style-type: none"> Universal serial bus (USB) 2.0 compatible Parallel port (base model only) HP internal network port (network-ready models only)
Paper-handling	<ul style="list-style-type: none"> 50-sheet multipurpose tray (Tray 1) 250-sheet enclosed input tray (Tray 2) Optional 250-sheet enclosed input tray (Tray 3)
Print	<ul style="list-style-type: none"> 600 dots per inch (dpi) (provides 600 x 600 dpi output with Resolution Enhancement Technology (REt) for improved text) FastRes 1200 (provides 1200 dpi effective output quality) ProRes 1200 (provides fine line detail at 1200 x 1200 dpi) Resolution Enhancement Technology (REt) Host-based driver PCL 5e driver¹ 3000-page or 7000-page print cartridge EconoMode (saves toner)
Internal fonts	<ul style="list-style-type: none"> 26 PCL 5e fonts
Control panel	<ul style="list-style-type: none"> Six light-emitting diodes (LEDs) Two buttons
HP Embedded Web Server (EWS) with internal pages	<ul style="list-style-type: none"> Yes (network-ready models only)
Energy savings	The HP LaserJet P2010 Series printer automatically conserves electricity by substantially reducing power consumption when it is not in use. As an ENERGYSTAR® partner, Hewlett-Packard has determined that this product meets ENERGYSTAR® guidelines for energy efficiency. ENERGYSTAR® is a U.S. registered service mark of the United States Environmental protection Agency.

¹ This driver is installed *only* by using the Add Printer Wizard installation method. This driver is available on the installation CD and at the following Web site: www.hp.com/support/LJP2010

Printing-system software

The HP LaserJet P2010 Series printer includes the following software components and programs for Microsoft Windows operating systems.

Table 1-2 Software components for Windows

Components	Description
HP installer	Installs the HP LaserJet P2010 Series printing-system software based on the hardware it detects from the host computer
Uninstaller	Removes files and folders that were installed when the HP LaserJet P2010 Series printing-system software was originally installed on the computer
Driver software	This software includes the following drivers: <ul style="list-style-type: none"> • The host-based driver is installed by default. • The PCL 5e driver. This driver is <i>not</i> installed by default. To install the PCL 5e driver, use the Add Printer wizard.
Online Help	Provides help for using the printing-system software for the HP LaserJet P2010 Series printer. The user documentation for these devices is included on the installation CD as both .CHM (online help) files and Adobe® Acrobat® .PDF files. The software CD uses a version of Adobe Acrobat Reader that remains on the CD and does not need to be installed on the computer. However, you need a Web browser installed on the computer in order to view the contents of any .CHM file.
Additional software	<ul style="list-style-type: none"> • HP Software Update. The HP Software Update utility checks the HP Web site for the latest software updates for the HP LaserJet P2010 Series printer. • HP Product Assistant. The HP Product Assistant utility detects problems that occur with the HP device and can offer solutions. You can also view and search events that have been reported by any HP devices in order to check for available solutions.

Topics:

- [System requirements](#)
- [Windows operating-system support](#)
- [Availability](#)

System requirements


The following operating systems support the HP LaserJet P2010 Series printing-system software:

- [Windows](#)
- [Macintosh](#)
- [Linux](#)
- [UNIX®](#)

Windows

The HP LaserJet P2010 Series printing-system software has the following minimum Windows system requirements:

- Supported Windows operating-systems:
 - Windows 98 Second Edition (Windows 98 SE)
 - Windows Millennium Edition (Windows Me)
 - Windows NT 4.0 (parallel-port connection only)
 - Windows 2000
 - Windows Server 2003 (32-bit and 64-bit)
 - Windows XP (32-bit and 64-bit)
 - Windows Vista (32-bit and 64-bit)
- Processor and RAM requirements:
 - For Windows 98 SE, Windows Me, and Windows NT 4.0: a Pentium® II processor or greater, with 64 MB of RAM (for a driver-only installation)
 - For Windows 2000, Windows Server 2003, Windows XP, and Windows Vista: a Pentium II processor or greater (Pentium III or greater recommended), with 192 MB of RAM (for a full installation)
- 250 MB of available hard disk space
- A 2x or faster CD-ROM drive (required for installation)
- A direct connection to a computer for full functionality requires a USB port or a parallel port.

 **NOTE:** If the USB port has another device attached to it, such as an external storage device, the device must be disconnected or an additional USB port must be added. You can add an additional USB port by using a hub, or by installing an additional USB card.

Macintosh


For information about the HP LaserJet P2010 Series printing-system software for Macintosh operating systems, see [Macintosh software and utilities on page 103](#).

Linux

You can also print to the HP LaserJet device from any operating system that complies with the PCL command language, such as OS/2, UNIX, or Linux systems.

Linux users should check for the availability of drivers at the following Web site:

www.hp.com/go/linuxprinting

 **NOTE:** The Linux drivers are supported by the HP Linux team, and the HP Linux team works with the Linux community to provide solutions.

UNIX®

UNIX systems require a model script for printing. The HP LaserJet III model script, or any generic HP LaserJet printer model script should work. These files are written and provided by the individual UNIX vendor. Users of HP-UX can check for availability of the model script and the support model by clicking the **Support & Drivers** link at the following Web site:

www.hp.com/go/unixmodelscripts

Windows operating-system support

 **NOTE:** For information about the HP LaserJet P2010 Series printing-system software for Macintosh operating systems, see [Macintosh software and utilities on page 103](#).

Throughout this STR, MS Windows XP is used to denote Windows XP Professional and Windows XP Home Edition, unless noted otherwise. Information about MS Windows XP applies to MS Windows Server 2003, unless noted otherwise.

For more information about the HP LaserJet P2010 Series printer, go to the following Web site:

www.hp.com/support/LJP2010series

Topics:

- [Standalone drivers](#)
- [Print driver support in other operating systems](#)

Standalone drivers

The following Windows operating systems fully support the HP LaserJet P2010 Series printer through the software installer, and drivers for these operating systems are available on the printing-system software CD that comes with the device:

- Microsoft Windows 2000 (requires administrator privileges)
- Windows Server 2003 (requires administrator privileges)
- Microsoft Windows XP (requires administrator privileges)
- Microsoft Windows Vista (requires administrator privileges)

Print driver support in other operating systems

The following Windows operating systems support Plug-and-Play or Add Printer wizard installations:

- Microsoft Windows 98 SE
- Microsoft Windows Me
- Microsoft Windows NT 4.0 (parallel-port connection only)

Use a Plug-and-Play installation or the Add Printer wizard to install the print driver for these operating systems.

 **NOTE:** Print drivers for Windows 98 SE and Windows NT 4.0 (parallel-port connection only) are *not* available on the Web.

Availability

The following table lists the availability of the HP LaserJet P2010 Series printing-system software components by operating system.

Table 1-3 Windows software component availability for the HP LaserJet P2010 Series printer

Component	Windows 98 SE, and Windows Me	Windows NT 4.0	Windows 2000, Windows Server 2003, Windows XP, and Windows Vista
Drivers			
Host-based	X ¹		X
PCL 5e	X ¹	X ¹	X ¹
Installers			
Common Windows Installer	X	X	X
CD Browser			X
.INF file (Add Printer wizard)	X	X	X
Remote management and status			
Applet for HP WebJetadmin ²			X
Online documentation			
<i>HP LaserJet P2010 Series User Guide</i> ³	X	X	X
<i>Hewlett-Packard LaserJet P2010 Series Install Notes</i> ³	X	X	X
Help systems	X	X	X

¹ This driver is installed *only* by using the Add Printer wizard installation method.

² This component is available at the following Web site: www.hp.com/go/webjetadmin

³ This document is also available at the following Web site: www.hp.com/support/LJP2010series

Topics:

- [Printing-system software on the Web](#)
- [In-box printing-system software CDs](#)

Printing-system software on the Web

Almost all software that is on the installation CD is also available on the Web.

 **NOTE:** Print drivers for Windows 98 SE and Windows NT 4.0 (parallel-port connection only) are *not* available on the Web.

Web deployment is the preferred method for obtaining the latest software. The HP Web site offers an option for automatic e-mail notification about new software releases.

- The HP LaserJet P2010 Series printing-system software is available for download at the following Web site:

www.hp.com/go/LJP2010series_software

- To order the HP LaserJet P2010 Series printing-system software if the CD is damaged or missing, contact HP Support at the following Web site. To request the software CD by phone, see the following Web site for the correct contact number for your country/region:

www.hp.com/go/LJP2010series_software

- If you need a replacement CD or newer version of the software than what was shipped with the device, go to the following Web site:

www.hp.com/support/LJP2010series

Click **CD-ROM Order Page** to order, or click **Download drivers and software** to get the software update.

In-box printing-system software CDs

The HP LaserJet P2010 Series printing-system software CD contains a variety of files for installing the printing-system software on the computer.

The HP LaserJet P2010 Series printing-system software CD is divided into two partitions, one for each of the following operating systems:

- Microsoft (MS) Windows
- Macintosh

Each partition includes documentation files and files that are required to install and uninstall the printing-system components.


Topics:

- [Windows partition](#)
- [CD versions](#)

Windows partition

The root directory in the MS Windows partition of the software CD contains the AUTORUN.EXE file, the SETUP.EXE file, and the following directories and support files:

- Apps
- Language directories (containing documentation)
- Drivers
- Screen Fonts
- Setup

 **NOTE:** File layouts differ by language for each version of the software CD.

To view the files, insert the HP LaserJet P2010 Series printing-system software CD into the CD-ROM drive, right-click **Start**, click **Explore**, and then select the CD-ROM drive.

CD versions

The following table presents the part numbers and language groups on the software CDs for the HP LaserJet P2010 Series printer.

Table 1-4 CD part numbers for the HP LaserJet P2010 Series printing-system software

Part number	Description	Languages included on CD
CB450A-60101	Windows software CD for the HP LaserJet P2010 Series printer	<ul style="list-style-type: none"> ● English ● Arabic ● Spanish ● Portuguese ● Catalan ● Danish ● Dutch ● Finnish ● French ● German ● Italian ● Norwegian ● Swedish ● Bulgarian ● Croatian ● Czech ● Greek ● Hungarian ● Kazakh ● Polish ● Romanian ● Russian ● Serbian ● Slovak ● Slovenian ● Turkish ● Ukrainian ● Hebrew ● Estonian ● Latvian ● Lithuanian

NOTE:

Windows 2000,
Windows Server 2003,
Windows XP, and
Windows Vista

Table 1-4 CD part numbers for the HP LaserJet P2010 Series printing-system software (continued)

Part number	Description	Languages included on CD
CB450A-60102	Windows software CD for the HP LaserJet P2010 Series printer	<ul style="list-style-type: none">• English• Vietnamese• Korean• Thai• Bahasa• Simplified Chinese• Traditional Chinese
CB450A-60103	Windows software CD for the HP LaserJet P2010 Series printer	<ul style="list-style-type: none">• English• Arabic• Spanish• Portuguese• Catalan• Danish• Dutch• Finnish• French• German• Italian• Norwegian• Swedish• Bulgarian• Croatian• Czech• Greek• Hungarian• Kazakh• Polish• Romanian• Russian• Serbian• Slovak• Slovenian

Table 1-4 CD part numbers for the HP LaserJet P2010 Series printing-system software (continued)

Part number	Description	Languages included on CD
		<ul style="list-style-type: none"> • Turkish • Ukrainian • Hebrew • Estonian • Latvian • Lithuanian

The following tables provide localization information about the software components for the HP LaserJet P2010 Series printer. A language key follows each table.

Table 1-5 Software component localization by language, A-F

Component ¹	Operating system	AR	BG	CA	CS	DA	DE	EL	EN	ES	ET	FI	FR
Host-based driver	98 SE, Me, 2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X
PCL 5e driver	2000, Server 2003, XP, Vista	X		X	X	X	X	X	X	X		X	X
Common Windows Installer	2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X
Online manuals (.PDF and .CHM)	2000, Server 2003, XP, Vista	X	X	X	X	X	X	x	X	X	X	X	X

¹ Components that are not available in a specific language are supported in English.

Language key for [Table 1-5 Software component localization by language, A-F on page 11](#):

- AR = Arabic
- BG = Bulgarian
- CA = Catalan
- CS = Czech
- DA = Danish
- DE = German
- EL = Greek
- EN = English
- ES = Spanish
- ET = Estonian
- FI = Finnish
- FR = French

Table 1-6 Software component localization by language H-P

Component ¹	Operating system	HE	HR	HU	ID	IT	KK	KO	LT	LV	NL	NO	PL	PT
Host-based driver	98 SE, Me, 2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X	X
PCL 5e driver	2000, Server 2003, XP, Vista	X		X		X		X			X	X	X	X
Common Windows Installer	2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X	X
Online manuals (.PDF and .CHM)	2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X	X

¹ Components that are not available in a specific language are supported in English.

Language key for [Table 1-6 Software component localization by language H-P on page 12](#):

- HE = Hebrew
- HR = Croatian
- HU = Hungarian
- ID = Bahasa (Indonesian)
- IT = Italian
- KK = Kazakh
- KO = Korean
- LT = Lithuanian
- LV = Latvian
- NL = Dutch
- NO = Norwegian
- PL = Polish
- PT = Portuguese

Table 1-7 Software component localization by language R-Z

Component ¹	Operating system	RO	RU	SK	SL	SR	SV	TH	TR	UK	VI	ZHCN	ZHTW
Host-based driver	98 SE, Me, 2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X
PCL 5e driver	2000, Server 2003, XP, Vista		X	X			X	X	X			X	X
Common Windows Installer	2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X

Table 1-7 Software component localization by language R-Z (continued)

Component ¹	Operating system	RO	RU	SK	SL	SR	SV	TH	TR	UK	VI	ZHCN	ZHTW
Online manuals (.PDF and .CHM)	2000, Server 2003, XP, Vista	X	X	X	X	X	X	X	X	X	X	X	X

¹ Components that are not available in a specific language are supported in English.

Language key for [Table 1-7 Software component localization by language R-Z on page 12](#):

- RO = Romanian
- RU = Russian
- SK = Slovak
- SL = Slovenian
- SR = Serbian
- SV = Swedish
- TH = Thai
- TR = Turkish
- UK = Ukranian
- VI = Vietnamese
- ZHCN = Simplified Chinese
- ZHTW = Traditional Chinese

Documentation availability and localization

The documentation in the following table is available for the HP LaserJet P2010 Series printer.

Table 1-8 User documentation availability and localization

Document name	Languages	Part Number	Location
<i>HP LaserJet P2010 Series User Guide</i>	English	CB450A–90906	The <i>HP LaserJet P2010 Series User Guide</i> is available in electronic format on the HP LaserJet P2010 Series software CD. This guide is also available by clicking Manuals on the following Web site: www.hp.com/support/LJP2010series
	Arabic	CB450A–90940	
	Bulgarian	CB450A–90915	
	Catalan	CB450A–90931	
	Chinese (Simplified)	CB450A–90907	
	Chinese (Traditional)	CB450A–90908	
	Croatian	CB450A–90916	
	Czech	CB450A–90917	
	Danish	CB450A–90932	
	Dutch	CB450A–90933	
	Estonian	CB450A–90912	
	Finnish	CB450A–90934	
	French	CB450A–90935	
	German	CB450A–90936	
	Greek	CB450A–90918	
	Hebrew	CB450A–90941	
	Hungarian	CB450A–90919	
	Indonesian (Bahasa)	CB450A–90905	
	Italian	CB450A–90920	
	Kazakh	CB450A–90912	
	Korean	CB450A–90909	
	Latvian	CB450A–90913	
	Lithuanian	CB450A–90914	
	Norwegian	CB450A–90938	
	Portuguese, Brazilian	CB450A–90929	

Table 1-8 User documentation availability and localization (continued)

Document name	Languages	Part Number	Location
	Polish	CB450A-90921	
	Romanian	CB450A-90922	
	Russian	CB450A-90923	
	Serbian	CB450A-90924	
	Slovak	CB450A-90925	
	Slovenian	CB450A-90926	
	Spanish	CB450A-90930	
	Swedish	CB450A-90939	
	Thai	CB450A-90910	
	Turkish	CB450A-90927	
	Vietamese	CB450A-90911	
	Ukranian	CB450A-90928	

Table 1-8 User documentation availability and localization (continued)

Document name	Languages	Part Number	Location
<i>HP LaserJet P2010 Series Getting Started Guide</i>	• English	CB450A–90942	The <i>HP LaserJet P2010 Series Getting Started Guide</i> is available in hardcopy and comes in the box with the HP LaserJet P2010 Series printer. This guide is also available by clicking Manuals on the following Web site: www.hp.com/support/LJP2010series
	• Arabic		
	• Czech		
	• Dutch		
	• German		
	• Greek		
	• Spanish		
	• Finnish		
	• French		
	• Hungarian		
	• Italian		
	• Latvian		
	• Lithuanian		
	• Norwegian		
	• Polish		
	• Portuguese		
	• Russian		
	• Slovak		
	• Slovenian		
	• Swedish		
• Ukrainian			
		CB450A–90943	
• English			
• Bahasa (Indonesian)			
• Finnish			
• Korean			
• Thai			
• Vietnamese			
• Chinese, simplified			
• Chinese, traditional			
		CB450A–90944	
• English			
• Catalan			
• Danish			
• Hebrew			

Table 1-8 User documentation availability and localization (continued)

Document name	Languages	Part Number	Location
<i>Hewlett-Packard LaserJet P2010 Series Install Notes</i>	English	N/A	The <i>Hewlett-Packard LaserJet P2010 Series Install Notes</i> are available in electronic format on the HP LaserJet P2010 Series printing-system software CD.
	Arabic		
	Bulgarian		
	Catalan		
	Chinese (Simplified)		
	Chinese (Traditional)		
	Croatian		
	Czech		
	Danish		
	Dutch		
	Estonian		
	Finnish		
	French		
	German		
	Greek		
	Hebrew		
	Hungarian		
	Indonesian (Bahasa)		
	Italian		
	Kazakh		
	Korean		
	Latvian		
	Lithuanian		
	Norwegian		
	Portuguese, Brazilian		
	Polish		
	Romanian		
	Russian		
	Serbian		
	Slovak		
	Slovenian		

Table 1-8 User documentation availability and localization (continued)

Document name	Languages	Part Number	Location
	Spanish		
	Swedish		
	Thai		
	Turkish		
	Vietamese		
	Ukranian		

2 Software description

Introduction

The HP LaserJet P2010 Series printer comes with software and installers for MS Windows and Apple Computer, Inc., Macintosh systems. Linux and UNIX systems also support the HP LaserJet P2010 Series printer, and software is available on the Web. For information about specific system installers, drivers, and components, see the section that corresponds to that system.

Topics:

- [MS Windows printing-system software](#)
- [HP Extended Capabilities](#)
- [HP Embedded Web Server \(network-ready models only\)](#)
- [HP Web Jetadmin](#)

MS Windows printing-system software

In MS Windows operating systems, insert the HP LaserJet P2010 Series printing-system software CD in the CD-ROM drive to open an interactive CD browser. Use the CD browser to install the print drivers and related components, and to gain access to online user documentation and Adobe Acrobat Reader software.

The following figure shows the main screen of the HP LaserJet P2010 Series printing-system software CD.

If the screen does not appear when you insert the software CD into the CD-ROM drive, follow these steps to open the CD browser:

1. Click **Start**.
2. Click **Run**.
3. Click **Browse....** and navigate to the root directory of the software CD.
4. Double-click the SETUP.EXE file to start the installer.


Figure 2-1 Installation software CD browser



 **NOTE:** The options for devices might differ from the illustration.

Install Printer Software. The installation wizard guides users through the HP LaserJet P2010 Series printing-system software installation.

View User Guide. Click this link to view the *HP LaserJet P2010 Series User Guide*.

 **NOTE:** If Adobe Acrobat Reader 4.0 or later is not installed, clicking the user guide link opens it in a version of Adobe Acrobat Reader that runs from the HP LaserJet P2010 Series printing-system software CD. The CD browser version of Acrobat Reader is in English only, but can be used to open localized versions of .PDF documents. The Adobe Acrobat Reader software is *not* installed on the computer and can only run while the printing-system software CD is in the CD-ROM drive. Adobe Acrobat Reader is also available at the following Web site: www.adobe.com

Begin Setup. Click this option to launch an animated demonstration of the in-box contents for the device. Click **Home** to return to the main screen of the HP LaserJet P2010 Series printing-system software CD.

HP Extended Capabilities


When you install the HP LaserJet P2010 Series printing-system software, you have the option of participating in HP's voluntary program for communication between your system and HP. This feature, available through software that is included on the printing-system software CD, helps HP monitor toner usage.

If you select the option to participate, you receive an invitation about two weeks later. It contains full disclosure of the information to be communicated. Participation is entirely voluntary, and the impact on processing and connecting speed is negligible. Personal information is never sent to HP without permission. Network addresses are used only to enable the connection and for security purposes.

If you decline the invitation, the invitation dialog box does not appear again, and no data is gathered.

HP Embedded Web Server (network-ready models only)

The HP Embedded Web Server (HP EWS) is a Web-based application that allows users to control settings on the HP LaserJet P2010 Series printer through a Web browser. To open the HP EWS, connect the device to the network, open a Web browser, and type the IP address for the device in the address bar.

 **NOTE:** If the HP LaserJet P2010 Series printer is connected to the computer through the USB port or the parallel port, you do not have access to the HP EWS.

The following tabs are available in the HP EWS:

- [Status](#)
- [Settings](#)
- [Networking](#)

Status

Use the **Status** tab to access and print detailed information regarding device and supply status, device configuration, network configuration, and usage.

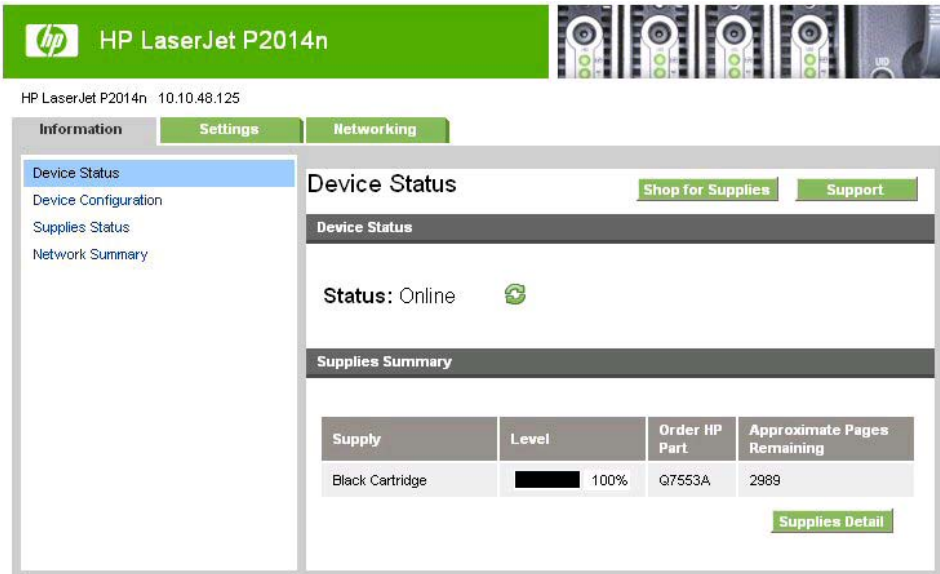
The **Status** tab contains the following pages:

- [Device Status](#)
- [Device Configuration](#)
- [Supplies Status](#)
- [Network Summary](#)

Device Status

The **Device Status** page shows device status messages. The **Device Status** page also shows some pertinent device information and device settings.

Figure 2-2 HP EWS – **Device Status** page




HP LaserJet P2014n 10.10.48.125

Information Settings Networking


Device Status
Device Configuration
Supplies Status
Network Summary

Device Status [Shop for Supplies](#) [Support](#)

Device Status

Status: Online 

Supplies Summary

Supply	Level	Order HP Part	Approximate Pages Remaining
Black Cartridge	 100%	Q7553A	2989

[Supplies Detail](#)

Device Configuration

The **Device Configuration** page shows the values of all of the settings that are available in the device. The contents of this page are consistent with the configuration page that the firmware generates.

Figure 2-3 HP EWS – Device Configuration page

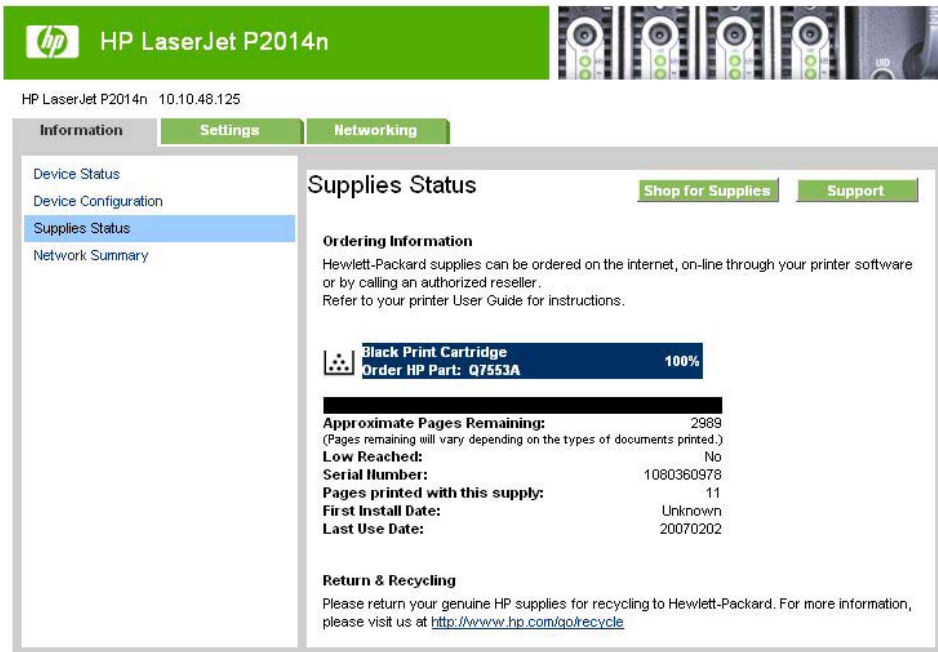
The screenshot displays the HP EWS interface for an HP LaserJet P2014n. The top navigation bar includes 'Information', 'Settings', and 'Networking'. The left sidebar lists 'Device Status', 'Device Configuration', 'Supplies Status', and 'Network Summary'. The main content area is titled 'Device Configuration' and includes buttons for 'Shop for Supplies' and 'Support'. The settings are organized into several sections:

- Product Information:**
 - Formatter Number: LX0005B
 - Product Serial Number: p2014n
 - Service ID: 17024
 - Firmware Datecode: 20061117
 - Total Memory: 33 MBytes
 - Available Memory: 21 MBytes
 - Max Monochrome Print Quality: FastRes 1200
 - Host Name: NP1959B6B
 - Hardware Address: 0017A4959B6B
 - IPv4 Address: 10.10.48.125
 - IPv6 Address: FE80:0:0:0:217:A4FF:FE95:9B6B
- Installed Personalities and Options:**
 - PCL5e
- Page Counts:**
 - Total Pages Printed: 12
 - Total Input Jams: 0
 - Total Output Jams: 0
 - Total Cartridge Jams: 2
 - Narrow Media Page Count: 0
 - Pages per Job: 1
- Print Settings:**
 - Jam Recovery: Off
 - Auto Continue: Off
 - IO Timeout: 120
 - Symbol Set: PC8
 - Font: 0
 - Default Paper Size: Letter
 - Manual Feed Tray Size: Any
 - Tray 1 Size: Any
 - Tray 2 Size: Any
 - Economode: Off
 - Print Density: 3

Supplies Status

The **Supplies Status** page shows the status of all of the device supplies, including the print cartridges.

Figure 2-4 HP EWS – **Supplies Status** page



HP LaserJet P2014n 10.10.48.125

Information Settings Networking

Device Status
Device Configuration
Supplies Status
Network Summary

Supplies Status

[Shop for Supplies](#) [Support](#)

Ordering Information
Hewlett-Packard supplies can be ordered on the internet, on-line through your printer software or by calling an authorized reseller.
Refer to your printer User Guide for instructions.

Black Print Cartridge 100%
Order HP Part: Q7553A

Approximate Pages Remaining: 2989
(Pages remaining will vary depending on the types of documents printed.)
Low Reached: No
Serial Number: 1080360978
Pages printed with this supply: 11
First Install Date: Unknown
Last Use Date: 20070202

Return & Recycling
Please return your genuine HP supplies for recycling to Hewlett-Packard. For more information, please visit us at <http://www.hp.com/go/recycle>

Network Summary

The **Network Summary** page contains information about the network and its enabled features. Click **Network Summary** on the **Information** tab to open the **Network Summary** page on the **Networking** tab.

Figure 2-5 HP EWS – **Network Summary** page

HP LaserJet P2014n 10.10.18.125

Information Settings Networking

IPv4 Configuration
IPv6 Configuration
Advanced
Bonjour
Password
SNMP
Network Summary

Network Summary

[Shop for Supplies](#) [Support](#)

Network Hardware Configuration

Hardware Address:	0017A4959B6B
Firmware Datecode:	20061117
Link Settings:	Auto
Link Speed:	100TX Full
IO Timeout:	120

Enabled Features

Password	Not Specified
SLP Config	Enabled
DHCP	Enabled
BootP	Disabled
AutoIP	Enabled
Raw Port Printing	Enabled
LPD Printing	Enabled
Enable Bonjour	Enabled
SHIMP	Enabled

TCP/IP(v4)

Host Name:	NI050B6B
Domain Name:	sakson.corp
IP Configured By:	DHCP
IPv4 Address:	10.10.18.125
IP Subnet Mask:	255.255.255.0
IP Default Gateway:	10.10.18.1
DHCP Server:	10.10.18.15
WINS Configured By:	DHCP
Preferred WINS Server:	10.10.18.15

TCP/IP(v6)

Link-Local	FE80:0:0:217:A4FF:FE95:9B6B
Stateless (from Router)	
Stateful (from DHCPv6)	

SNMP

Status	Read Write Access Enabled
SHIMP Version	v1v2
Set Community Name	Not Specified (Defaults to public)
Get Community Name	Not Specified (Defaults to public)

Network Statistics

Total Packets Received:	1871
Unicast Packets Received:	229
Broadcast Packets Received:	1642
Bad Packets Received:	0
Total Packets Transmitted:	431
Unicast Packets Transmitted:	372
Broadcast Packets Transmitted:	59
Bad Packets Transmitted:	0

Settings

Use the **Settings** tab to view and change print settings for the device.

Figure 2-6 HP EWS – **Settings** tab

The screenshot displays the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar includes 'Information', 'Settings', and 'Networking' tabs. The 'Settings' tab is active, showing a 'Print Settings' sidebar on the left. The main content area is titled 'Print Settings' and contains two sections: 'Print Settings' and 'PCL Settings'. The 'Print Settings' section includes: Print Density (3), Jam Recovery (Off), Auto Continue (Off), IO Timeout (120), and Restore Factory Settings (checkbox). The 'PCL Settings' section includes: Default Paper Size (Letter), Manual Feed Tray Size (Any), Tray 1 Size (Any), Tray 2 Size (Any), Orientation (Portrait), Manual Feed (Off), Copies (1), Font Number (0), Font Pitch (10.0), Font Point Size (327.84), Symbol Set (PC8), Form Length (60), and Economode (Off). 'Apply' and 'Cancel' buttons are located at the bottom right.

Networking

Use the **Networking** tab to view and change settings for the network connection and communication with the device. The following pages are available:

- [IPv4 Configuration](#)
- [IPv6 Configuration](#)
- [Advanced](#)
- [Bonjour](#)
- [Password](#)
- [SNMP](#)
- [Network Summary](#)

IPv4 Configuration

Figure 2-7 HP EWS – IP v4 Configuration page

HP LaserJet P2014n 10.10.48.125

Information Settings **Networking**

IPv4 Configuration
IPv6 Configuration
Advanced
Bonjour
Password
SNMP
Network Summary

IPv4 Configuration [Shop for Supplies](#) [Support](#)

Warning: A change in the IP Address will result in loss of connectivity to the browser.

IP Configured By: DHCP

Host Name: NPI959B6B

Domain Name: saksun.corp

IP Address Configuration

Automatic IP
 Manual IP

DHCP
 BOOTP
 AutoIP

Manual IP Address: 10.10.48.125

IP Subnet Mask: 255.255.255.0

Manual Default Gateway: 10.10.48.1

WINS Address Configuration

Automatic WINS Server
 Manual WINS Server

Manual Preferred WINS Server: 10.10.48.15

[Apply](#) [Cancel](#)

IPv6 Configuration

Figure 2-8 HP EWS – IP v6 Configuration page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar includes the HP logo, the printer model name, and the IP address 10.10.48.125. The main menu is divided into 'Information', 'Settings', and 'Networking'. Under 'Networking', the 'IPv6 Configuration' page is selected. The page title is 'IPv6 Configuration' with 'Shop for Supplies' and 'Support' buttons. The 'IPv6' checkbox is checked and labeled 'Enable'. The 'Host Name' field contains 'NPI959B6B'. The 'Address Prefix Length' field contains 'FE80:0:0:217:A4FF:FE95:9B6B'. The 'Link-Local' field contains '64'. The 'Stateless (from Router)' field contains '0'. The 'Stateful (from DHCPv6)' field contains '0'. Under 'DHCPv6 Addressing Preferences', the radio button 'Always perform on startup' is selected. 'Apply' and 'Cancel' buttons are at the bottom right.

Advanced

Use the **Advanced** page to configure the enabled settings and other settings, such as link speed, for the device.

Figure 2-9 HP EWS – Advanced page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar includes the HP logo, the printer model name, and the IP address 10.10.48.125. The main menu is divided into 'Information', 'Settings', and 'Networking'. Under 'Networking', the 'Advanced' page is selected. The page title is 'Advanced' with 'Shop for Supplies' and 'Support' buttons. Under 'Enabled Features', the checkboxes for 'SLP Config' and 'LFD Printing' are checked. Under 'Other Settings', the 'Link Settings' dropdown menu is set to 'Automatic'. 'Apply' and 'Cancel' buttons are at the bottom right.

Bonjour

Use the **Bonjour** page to enable or disable the Bonjour settings for the device.

Figure 2-10 HP EWS – **Bonjour** page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar includes the HP logo, the printer model name, and a row of printer icons. Below this, the printer's IP address (10.10.48.125) is displayed. The main content area is divided into two sections: a left-hand navigation menu and a main configuration panel. The navigation menu lists options such as IPv4 Configuration, IPv6 Configuration, Advanced, Bonjour, Password, SNMP, and Network Summary, with 'Bonjour' currently selected. The main configuration panel is titled 'Bonjour' and features a 'Shop for Supplies' and 'Support' button at the top right. A checkbox labeled 'Enable Bonjour' is checked. Below this, there are two text input fields: 'Bonjour Name' containing 'HP LaserJet P2014n' and 'Bonjour Domain Name' containing 'NP1B54RRH.local'. At the bottom of the panel are 'Apply' and 'Cancel' buttons.

Password

Use this page to set or change the administrator password.

Figure 2-11 HP EWS – **Password** page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer, specifically the Password configuration page. The top navigation bar is identical to the previous screenshot. The main content area features a left-hand navigation menu with 'Password' selected. The main configuration panel is titled 'Password' and includes 'Shop for Supplies' and 'Support' buttons at the top right. A paragraph of text explains that the Administrator Password is required for accessing and changing configuration parameters. Below this text are three fields: 'User Name' with the value 'Admin', 'Password' (masked with dots), and 'Confirm Password' (also masked with dots). 'Apply' and 'Cancel' buttons are located at the bottom of the panel.

SNMP

Use this page to configure the simple network management protocol (SNMP) settings for the device.

Figure 2-12 HP EWS – **SNMP** page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar includes the HP logo, the printer model name, and a status bar with 'HP LaserJet P2014n 10.10.48.125'. Below this, there are tabs for 'Information', 'Settings', and 'Networking'. The 'Settings' tab is active, and the left sidebar lists various configuration options, with 'SNMP' selected. The main content area is titled 'SNMP' and features a 'Caution' message: 'Caution: Changing these settings can potentially disrupt network scanning, network faxing (if supported by your device), or other network functionality'. There are two buttons at the top right: 'Shop for Supplies' and 'Support'. The configuration options are as follows:

- Enable SHMP v1/v2 read-write access**
 - Set Community Name: [.....]
 - Confirm Set Community Name: [.....]
 - Get Community Name: [.....]
 - Confirm Get Community Name: [.....]
 - Disable SNMP v1/v2 default Get Community Name of 'public'
- Enable SHMP v1/v2 read-only access (uses 'public' for the Get Community Name)**
- Disable SHMP v1/v2**

At the bottom right, there are 'Apply' and 'Cancel' buttons.

Network Summary

The **Network Summary** page contains information about the network and its enabled features.

Figure 2-13 HP EWS – **Network Summary** page

HP LaserJet P2014n 10.10.48.125

Information Settings **Networking**

IPv4 Configuration
IPv6 Configuration
Advanced
Bonjour
Password
SNMP
Network Summary

Network Summary

[Shop for Supplies](#) [Support](#)

Network Hardware Configuration

Hardware Address:	0017A4959B6B
Firmware Datecode:	20061117
Link Settings:	Auto
Link Speed:	100TX Full
IO Timeout:	120

Enabled Features

Password	Not Specified
SLP Config	Enabled
DHCP	Enabled
BootP	Disabled
AutoIP	Enabled
Raw Port Printing	Enabled
LPD Printing	Enabled
Enable Bonjour	Enabled
SHIMP	Enabled

TCP/IP(v4)

Host Name:	NI050B6B
Domain Name:	sakson.corp
IP Configured By:	DHCP
IPv4 Address:	10.10.48.125
IP Subnet Mask:	255.255.255.0
IP Default Gateway:	10.10.48.1
DHCP Server:	10.10.48.15
WINS Configured By:	DHCP
Preferred WINS Server:	10.10.48.15

TCP/IP(v6)

Link-Local	FE80:0:0:217:A4FF:FE95:9B6B
Stateless (from Router)	
Stateful (from DHCPv6)	

SNMP

Status	Read Write Access Enabled
SHIMP Version	v1/v2
Set Community Name	Not Specified (Defaults to public)
Get Community Name	Not Specified (Defaults to public)

Network Statistics

Total Packets Received:	1871
Unicast Packets Received:	229
Broadcast Packets Received:	1642
Bad Packets Received:	0
Total Packets Transmitted:	431
Unicast Packets Transmitted:	372
Broadcast Packets Transmitted:	59
Bad Packets Transmitted:	0

HP Web Jetadmin

Use the HP Web Jetadmin and a browser to manage HP Jetdirect-connected devices within an intranet. HP Web Jetadmin is a browser-based management tool that should be installed only on a single network-administration server.


To download a current version of HP Web Jetadmin, and for the latest list of host systems that support HP Web Jetadmin, go to the following Web site:

www.hp.com/go/webjetadmin

3 Install Windows printing-system components

Introduction

The HP LaserJet P2010 Series printer comes with software and installers for MS Windows and Apple Computer, Inc., Macintosh systems. Linux and UNIX systems also support the HP LaserJet P2010 Series printer, and software is available on the Web. This chapter provides procedures for installing and uninstalling the HP LaserJet P2010 Series printing-system software for MS Windows operating systems.

 **NOTE:** If the device is connected using a USB cable or a parallel cable, it is important that you do *not* connect the cable to the device until instructed during the software installation.

If the computer is running a 64-bit MS Windows operating system, install the corresponding 64-bit driver. For instructions, see [Install the print drivers by using Microsoft Windows Plug-and-Play or the Add Printer wizard on page 38](#).

Topics:


- [Installation overview](#)
- [Installation options](#)
- [Installation dialog-box options for Windows 2000, Windows Server 2003, Windows XP, and Windows Vista](#)
- [Uninstall](#)

Installation overview

The software for the HP LaserJet P2010 Series printer comes in-box on one CD. On Windows systems, the Setup wizard installs the HP LaserJet P2010 Series printing-system software from the CD onto the hard disk and updates the Windows files.

The Setup wizard is *not* supported for MS Windows 98 SE, MS Windows Me, or MS Windows NT 4.0. A Plug-and-Play or Add Printer wizard installation must be used for these operating systems. For more information, see [Install the print drivers by using Microsoft Windows Plug-and-Play or the Add Printer wizard on page 38](#).

Each installation option presents a series of dialog boxes that guides the installation process. The dialog boxes presented depend on whether the device is directly connected or is networked.

 **NOTE:** The HP LaserJet P2010 Series printing-system software uses MS USB printing support (USBOOX), *not* DOT4 printing support.

Installation options

The HP LaserJet P2010 Series printing-system software can be used in the following configurations:

- **Direct connection.** Install the HP LaserJet P2010 Series printing-system software on a computer that is directly connected to the device through a USB or parallel port.

In this configuration, the device is not shared. A single user has complete control of the device. In this configuration, access is available to all of the device features.

- **Network connection using onboard networking (network-ready models only).** Install the HP LaserJet P2010 Series printing-system software on a computer that has access to a local area network (LAN) to which the HP LaserJet P2010 Series printer is also connected. The network-ready models connect to a LAN through an internal HP network port.

The following are required for a networked HP LaserJet P2010 Series printer:

- An installed network that uses TCP/IP network protocol
- A cable for your type of network connection (not included)

HP recommends that you install the software before connecting the device to the computer (software-first installation). However, if the device is already connected to the computer, you can install the software by using the Plug-and-Play method or by using the Add Printer wizard. For more information, see [Install the print drivers by using Microsoft Windows Plug-and-Play or the Add Printer wizard on page 38](#).


Installation instructions for direct connections

To install the HP LaserJet P2010 Series printing-system software on directly-connected device, follow these steps:

 **NOTE:** You must have administrator privileges to install the software.

Set up and turn on the device before installing the printing-system software. Do *not* connect the device to the computer until the software prompt appears.

1. Quit all open programs.
2. Insert the HP LaserJet P2010 Series printing-system software CD into the CD-ROM drive.

 **NOTE:** If the CD does not start automatically, click **Start**, click **Run**, and then browse to and double-click the SETUP.EXE file in the root directory of the CD.

3. Follow the on-screen prompts to install the printing-system software.
4. If prompted to restart the computer, click **Yes**.


Installation instructions for networked computers (network-ready models only)

Each networked computer that has the HP LaserJet P2010 Series printing-system software installed has access to all of the device features over a network connection. This access is through on-board networking that comes standard on the network-ready models.

To install the HP LaserJet P2010 Series printing-system software on networked Windows operating systems, follow these steps:

 **NOTE:** You must have administrator privileges to install the software.

1. Quit all open programs.
2. Insert the HP LaserJet P2010 Series printing-system software CD into the CD-ROM drive.

 **NOTE:** If the CD does not start automatically, click **Start**, click **Run**, and then browse to and double-click the SETUP.EXE file in the root directory of the CD.

3. Follow the on-screen prompts to install the software.
4. When the Installer software prompts you to select how the device will be connected, select **Connect via the Network**, and then click **Next**. Follow the instructions on the screen.
5. If you are prompted to restart the computer, click **Yes**.

Install the print drivers by using Microsoft Windows Plug-and-Play or the Add Printer wizard

The HP LaserJet P2010 Series printing-system software installer does *not* support Microsoft Windows 98 SE, Microsoft Windows Me, or Windows NT 4.0 (parallel-port connection only). To install the print drivers on computers running any of these operating systems, use a Plug-and-Play installation for direct USB printer connections, or an Add Printer wizard installation for network-connected printers.

During a Plug-and-Play or Add Printer wizard installation, the following drivers are installed:


- Print driver
- USB driver (for Plug-and-Play installations only)
- EWS null driver (for the HP Embedded Web Server)

If the computer is running Windows 98 SE or Windows Me and you have a network-ready printer model, configure the driver to include the advanced features of these printer models after the HP LaserJet P2010 Series printing-system software is installed. Follow these steps to configure the driver:

1. Click **Start**, click **Settings**, and then click **Printers**.
2. Right-click the printer icon for the HP LaserJet P2010 Series printer, and then click **Properties**.
3. On the **Configure** tab, click the drop-down menu, select the printer model, and then click **OK**.

Plug-and-Play installation for direct USB connection in Microsoft Windows 98 SE

Up to five events might occur when you use Microsoft Windows Plug-and-Play to install the HP LaserJet P2010 Series print driver software on a computer running Microsoft Windows 98 SE.

 **NOTE:** The SETUP.EXE program on the HP LaserJet P2010 Series printing-system CD is *not* supported in Windows 98 SE or Windows Me. For these operating systems, use Microsoft Plug-and-Play for direct USB connections or the Add Printer wizard installation for network connections to install the print drivers. If you run SETUP.EXE in these operating systems, an error message appears: **The operating system on this computer is not supported**.

Follow these steps to install the HP LaserJet P2010 Series printing-system software on a computer running Microsoft Windows 98 SE:

1. Verify that the HP LaserJet P2010 Series printer is turned on.
2. Quit all open programs.


3. Insert the HP LaserJet P2010 Series printing-system CD into the CD-ROM drive on the computer.

 **NOTE:** If a dialog box that contains an **Install Printer Software** button appears, click **Exit** and continue with step 4.

4. Connect a USB cable between the printer and the computer.
5. When the **Add New Hardware Wizard USB Composite Device** dialog box appears, click **Next**.
6. Click the **Search for the best driver for your device. (Recommended)** option button, and then click **Next**.
7. Select the **CD-ROM** check box and clear all other check boxes. Click **Next** to continue.
8. Click **Next** to accept the updated driver (USBHUB).
9. Click **Next** to install the driver for the HP LaserJet P2010 Series printer.
10. Click **Finish** to complete the installation of the HP LaserJet P2010 Series printer.
11. The remaining Plug-and-Play events for the HP Embedded Web Server and USB Printing Support are automatic.
12. Click **Start**, click **Settings**, and then click **Printers** to confirm that the HP LaserJet P2010 Series driver is installed.

Plug-and-Play installation for a direct USB connection in Microsoft Windows Me

Up to five events might occur when you use Microsoft Windows Plug-and-Play to install the HP LaserJet P2010 Series print driver software on a computer running Microsoft Windows Me.

 **NOTE:** The SETUP.EXE program on the HP LaserJet P2010 Series printing-system CD is *not* supported in Windows 98 SE or Windows Me. For these operating systems, use Microsoft Plug-and-Play for direct USB connections or the Add Printer wizard installation for network connections to install the print drivers. If you run SETUP.EXE in these operating systems, an error message appears: **The operating system on this computer is not supported.**

Follow these steps to install the HP LaserJet P2010 Series printing-system software on a computer running Microsoft Windows Me.

1. Verify that the HP LaserJet P2010 Series printer is turned on.
2. Quit all open programs.
3. Insert the HP LaserJet P2010 Series printing-system CD into the CD-ROM drive on the computer.

 **NOTE:** If a dialog box that contains an **Install Printer Software** button appears, click **Exit** and continue with step 4.

4. Connect a USB cable between the printer and the computer.
5. When the **New Hardware Wizard** dialog box appears, click **Automatic search for a better driver (Recommended)**, and then click **Next**.
6. Click **Finish** in the **USB Printing Support** dialog box.
7. In the **HP EWS** dialog box, click the **Automatic search for a better driver (Recommended)** option button and then click **Next** to continue the installation.
8. Click **Finish** to continue copying files to the computer.
9. Click **Start**, click **Settings**, and then click **Printers** to confirm that the HP LaserJet P2010 Series print driver is installed.

Installation dialog-box options for Windows 2000, Windows Server 2003, Windows XP, and Windows Vista

This section shows the dialog box options that appear during the HP LaserJet P2010 Series printing-system software installation on Windows 2000, Windows Server 2003, Windows XP, and Windows Vista operating systems.

HP recommends that you install the software before connecting the device to the computer. However, it is possible to install the software if the device is already connected by using Plug-and-Play and the Add Printer wizard.

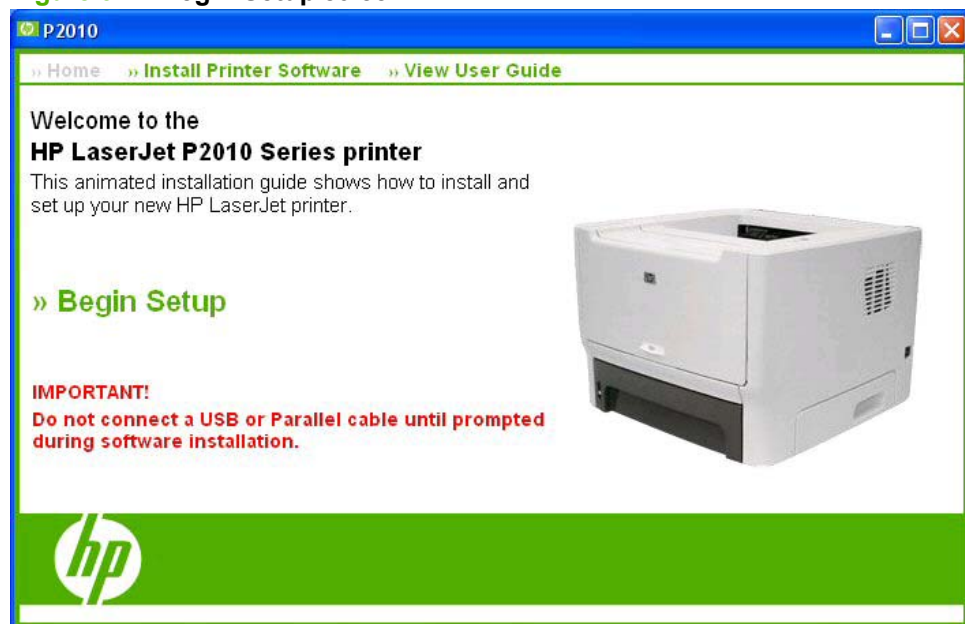
Topics:

- [Animated setup guide](#)
- [Printing-system software installation](#)

Animated setup guide

Insert the printing-system software CD into the CD-ROM drive. The **Begin Setup** screen appears.

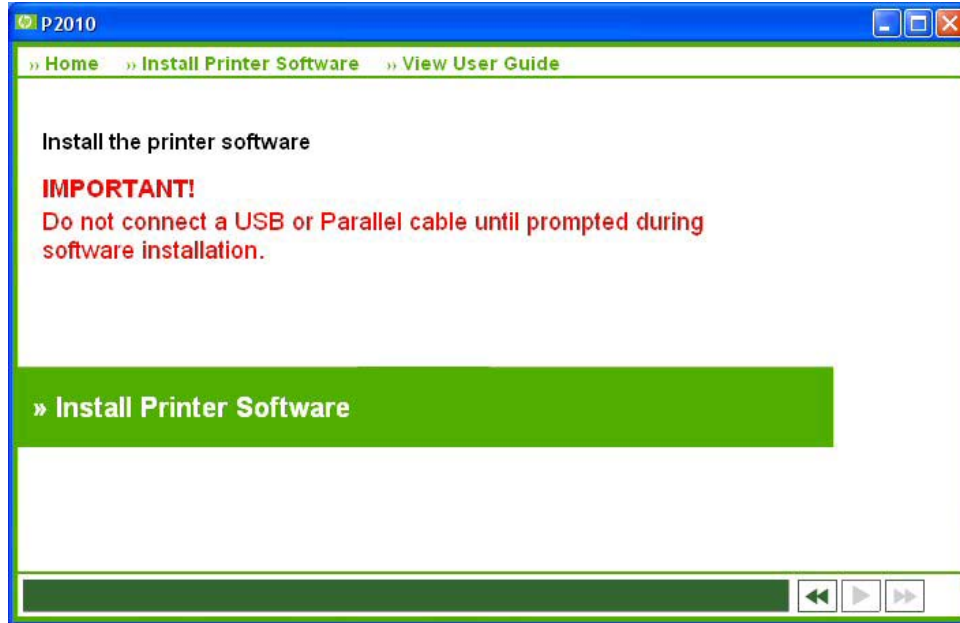
Figure 3-1 Begin Setup screen



Click **Begin Setup** to start a series of screens that show how to prepare the HP LaserJet P2010 Series printer for printing-system software installation. Click the arrows in the lower-right corner of the screen to view animated illustrations of each step.

When setup is complete, the **Install Printer Software** screen appears.

Figure 3-2 Install Printer Software screen



Click **Install Printer Software** to install the print drivers and other software features.

Printing-system software installation

The following sections describe the dialog-box options that appear during the HP LaserJet P2010 Series software installation on Windows operating systems.

Figure 3-3 HP LaserJet P2010 Series CD Browser screen




The first dialog box contains the following links:

- **Install Printer Software.** Click this option to open a secondary dialog box that reminds you to install the software before connecting the device. Click **Install Printer Software** in the secondary dialog box to close the CD browser and the initial installation wizard, and open the **Welcome to HP LaserJet P2010 series setup wizard** screen.
- **View User Guide.** Click this option to open the *HP LaserJet P2010 Series User Guide*.

Topics:

- [Direct-connect installation dialog-box options for Windows](#)
- [Network installation dialog-box options for Windows](#)

Direct-connect installation dialog-box options for Windows

 **NOTE:** HP recommends that you install the software before connecting the HP LaserJet P2010 Series printer to the computer (software-first installation). These instructions are for a software-first installation.

Use these instructions the first time you install the HP LaserJet P2010 Series printing-system software on a directly-connected computer.

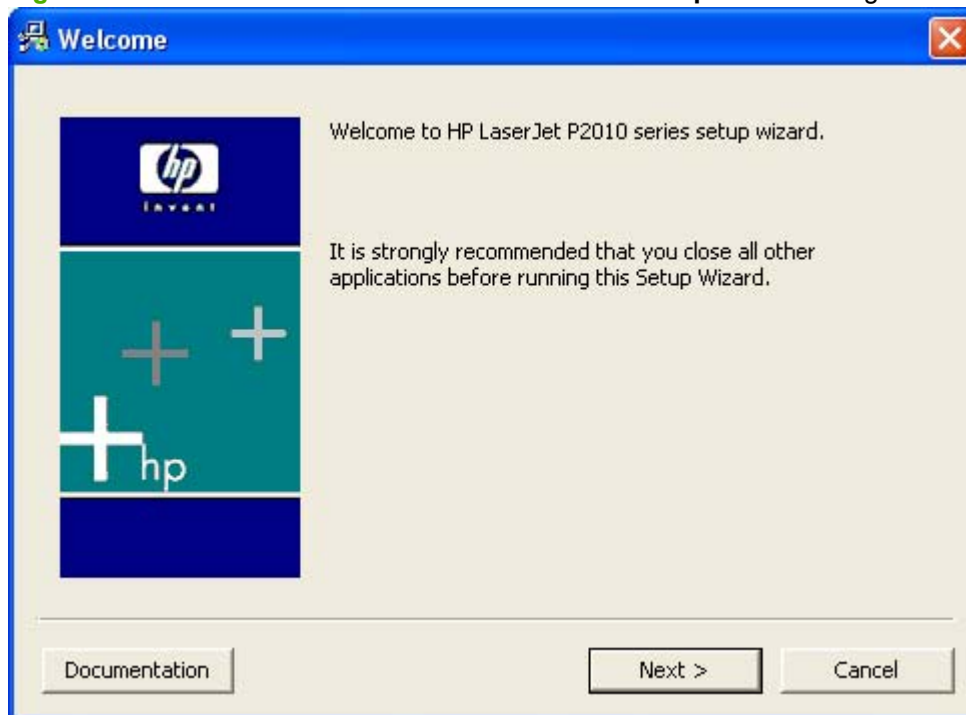
The sequence of dialog boxes might differ from what is shown, depending on the device and the selected options.

Topics

- [Dialog-box options](#)
- [Cancel setup](#)

Dialog-box options

Figure 3-4 Welcome to HP LaserJet P2010 series setup wizard dialog box



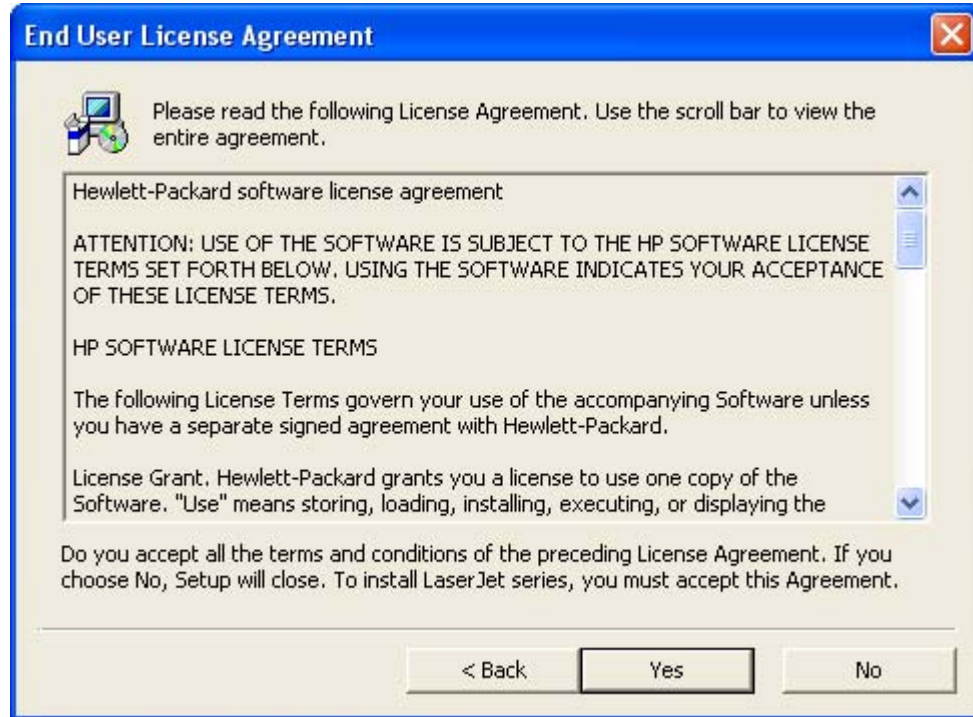
This dialog box includes three buttons:

Click **Documentation** to launch a Web browser and open the *Hewlett-Packard LaserJet P2010 Series Install Notes*.

Click **Next** to go to the **Software License Agreement** dialog box.

Click **Cancel** to cancel the installation and go to the **Exit Setup** dialog box.

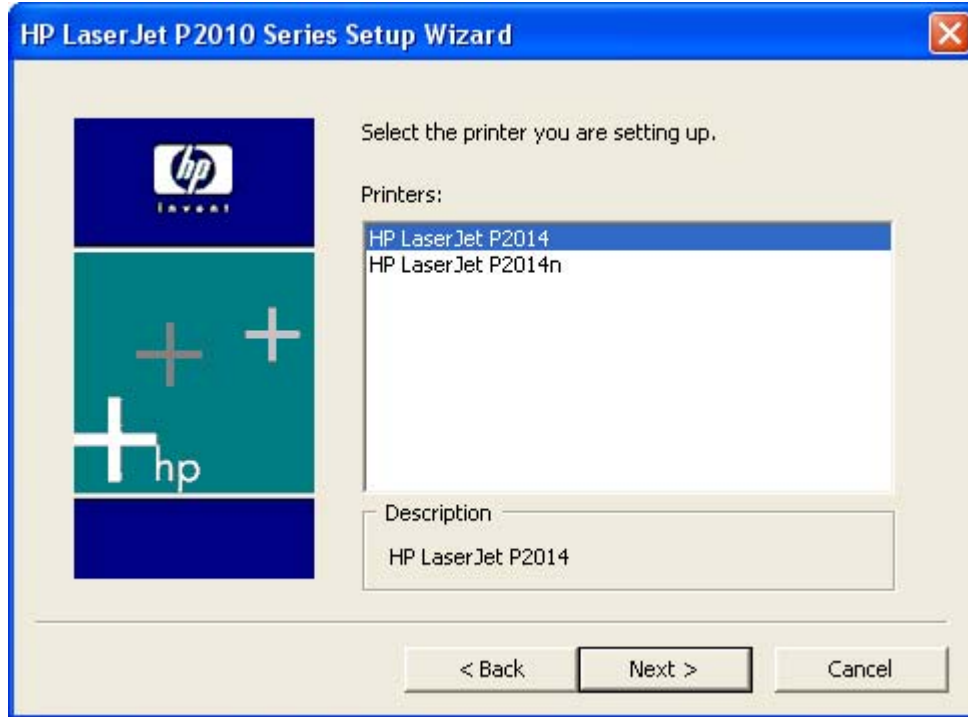
Figure 3-5 Software License Agreement dialog box



Click **Yes** to go to the **Model** dialog box.

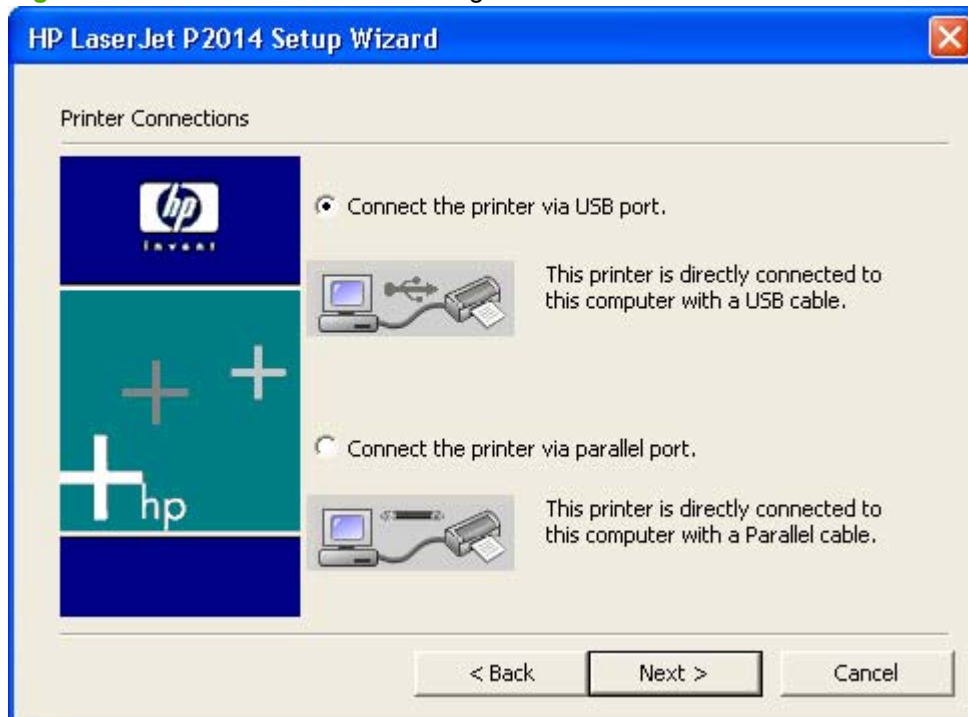
Click **No** to go to the **Exit Setup** dialog box.

Figure 3-6 Model dialog box



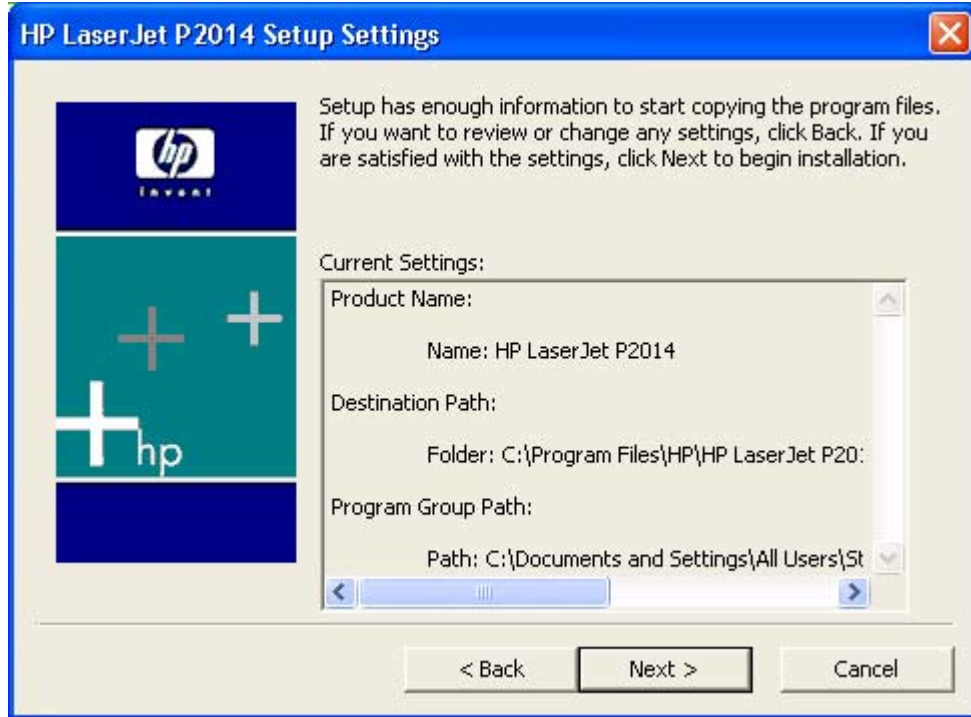
Select the direct-connect model and click **Next** to go to the **Printer Connections** dialog box.

Figure 3-7 Printer Connections dialog box



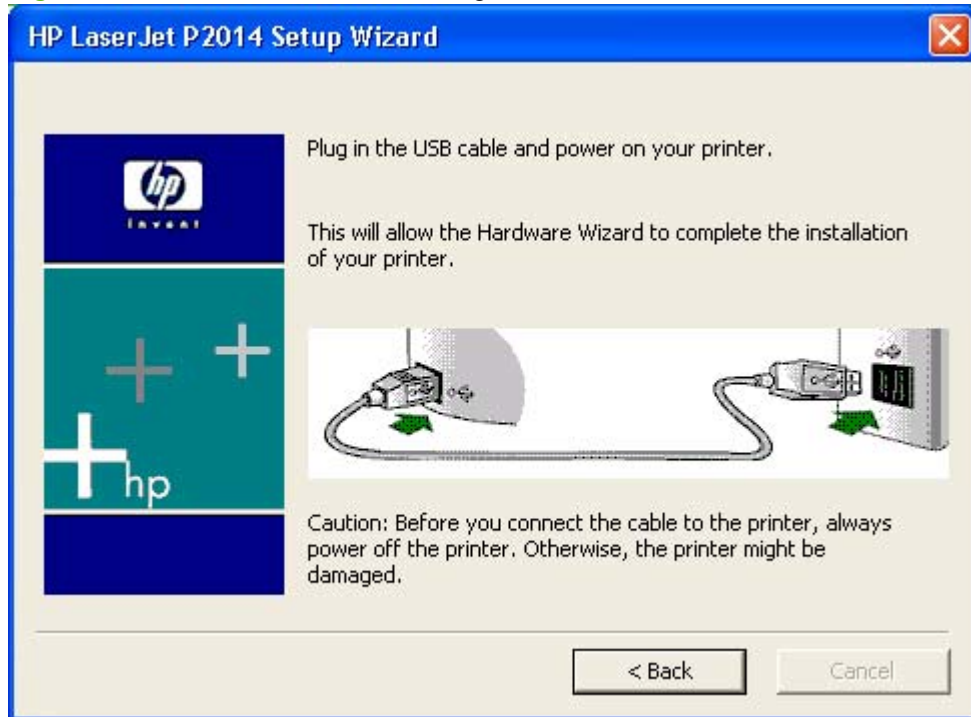
Select **Connect the printer via USB port.** or **Connect the printer via parallel port.** (for Windows NT 4.0) and click **Next** to go to the **Setup Settings** dialog box.

Figure 3-8 Setup Settings dialog box



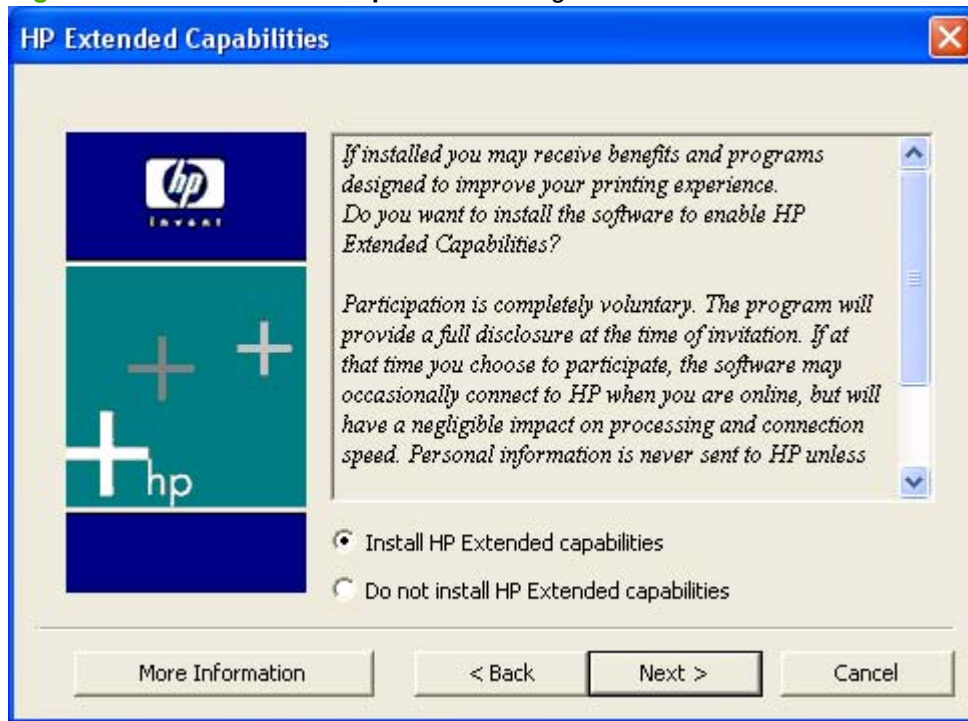
Click **Next**. A progress screen shows the files being installed, and the **USB Cable Connect** dialog box appears.

Figure 3-9 USB Cable Connect dialog box



Connect the USB cable to the computer and the device, and then turn on the device to continue the installation and go to the **HP Extended Capabilities** dialog box.

Figure 3-10 HP Extended Capabilities dialog box



If you select **Install HP Extended capabilities**, a dialog box appears two weeks after installing the device inviting participation in the HP Product Survey Program.

If you select **Do not install HP Extended capabilities**, you are not invited to participate in the HP Product Survey Program.

Click **More Information** to find out more about HP Extended Capabilities and the HP Product Survey Program.

Click **Next** to go to the **Setup Complete** dialog box.


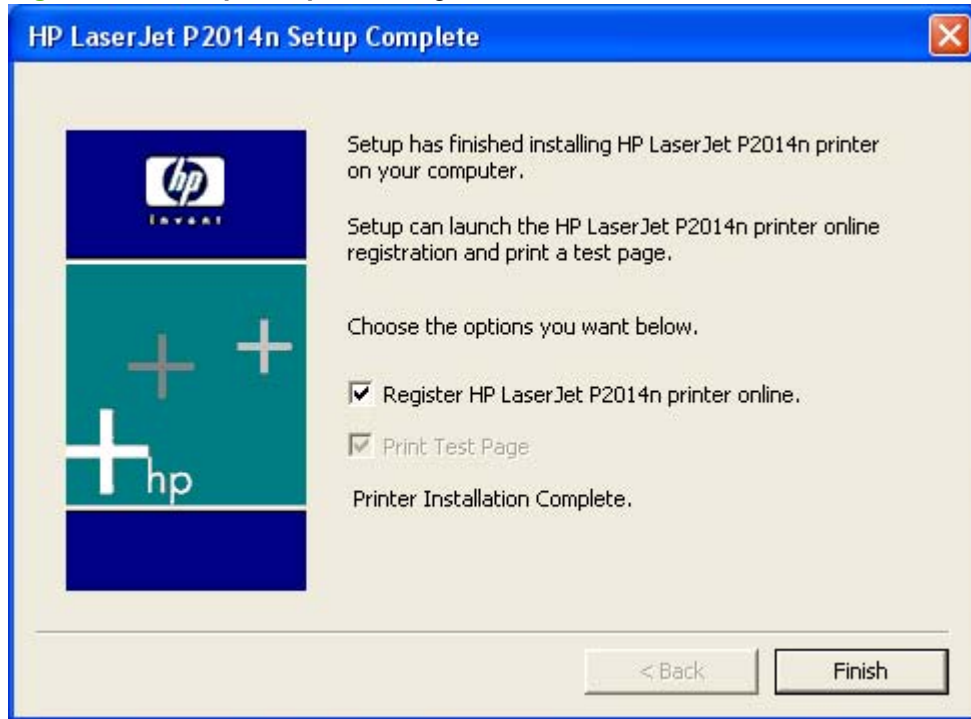
 **NOTE:** If required, the installer updates the device firmware. This might take several minutes.

Figure 3-11 Setup Complete dialog box



The **Register HP LaserJet P2010 Series printer online.** check box and the **Print Test Page** check box are selected by default. The **Print Test Page** option is unavailable.

Click **Finish** with the **Register HP LaserJet P2010 Series printer online.** selected to open the Online Registration page in the Web browser and the **Benefits** dialog box.

Click **Finish** to print a test page on the device.

Figure 3-12 HP Registration page

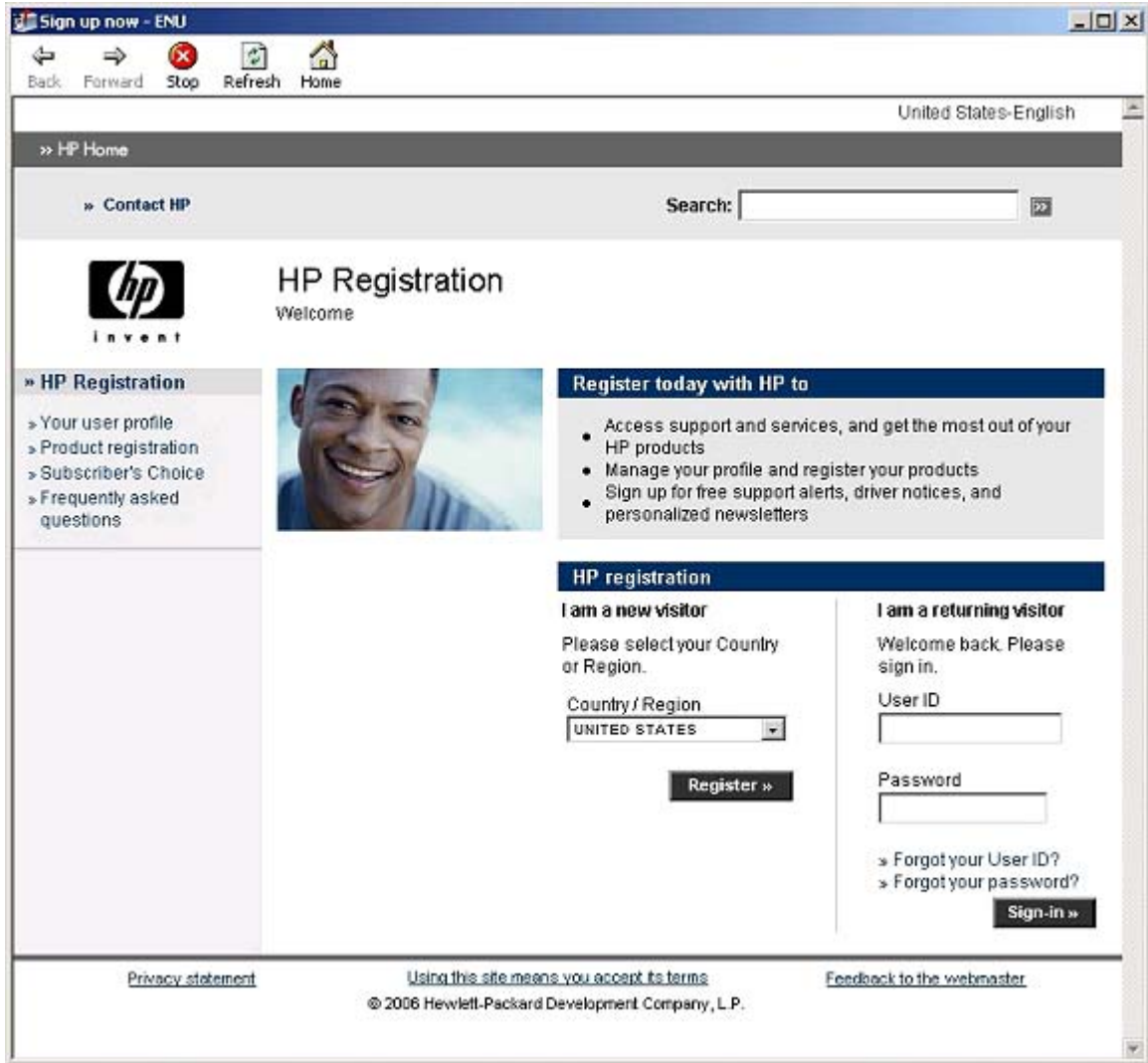
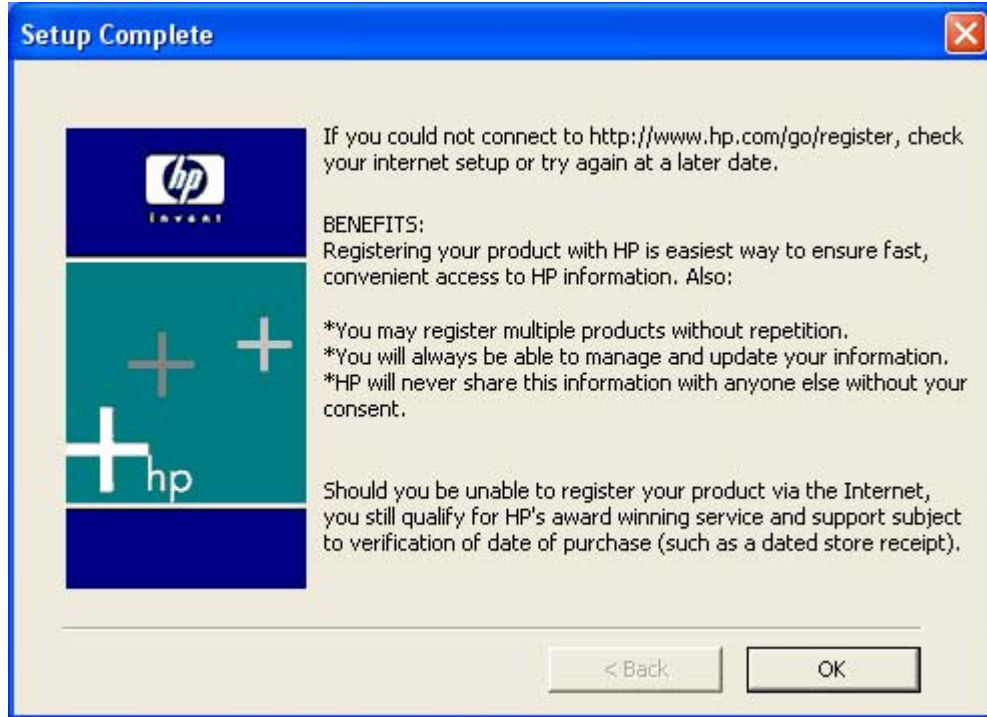


Figure 3-13 Benefits dialog box

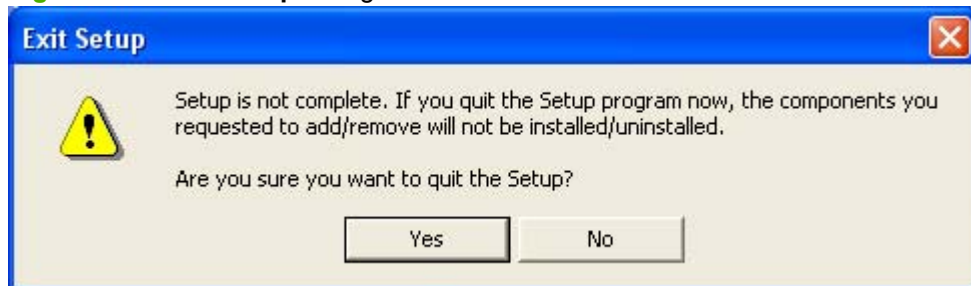


Click **OK** to close the dialog box.

Cancel setup

In any dialog box where it is available, click **Back** to return to the previous dialog box, or click **Cancel** to cancel the installation and go to the **Exit Setup** dialog box.

Figure 3-14 Exit Setup dialog box



Click **Yes** to cancel the print-driver installation and go to the **Setup Interrupted** dialog box.

Click **No** to return to the last open screen of the installer.

Figure 3-15 Setup Interrupted dialog box



Click **Finish**.

Network installation dialog-box options for Windows

Use these instructions the first time you install the HP LaserJet P2010 Series printing-system software on a networked computer.

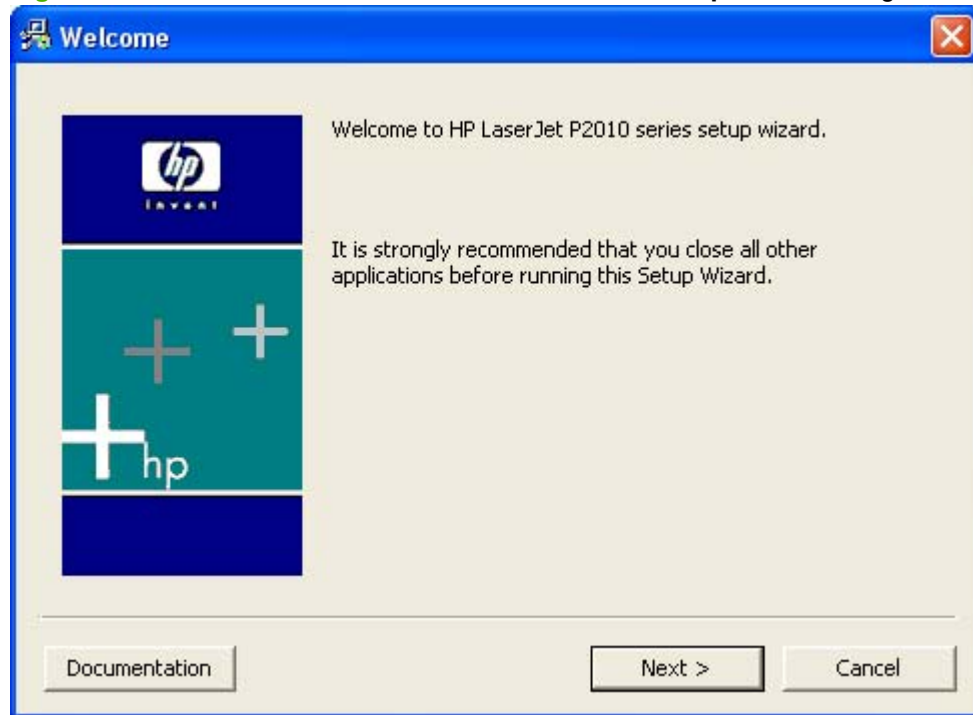
The sequence of dialog boxes might differ from what is shown, depending on the device and the selected options.

Topics:

- [Dialog-box options](#)
- [Cancel setup](#)

Dialog-box options

Figure 3-16 Welcome to HP LaserJet P2010 series setup wizard dialog box



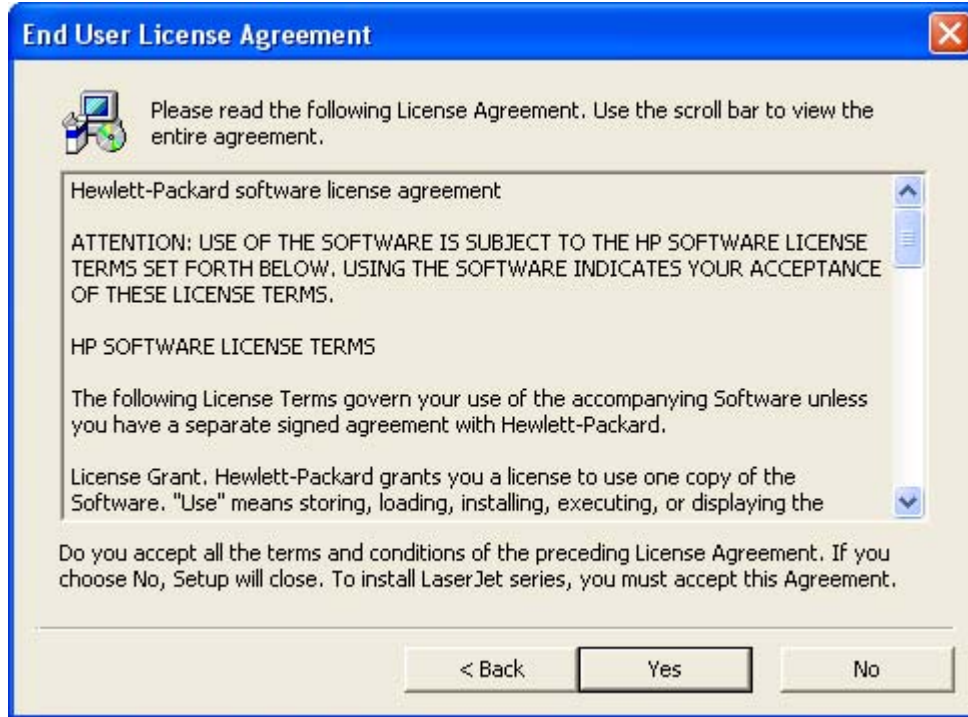
This dialog box includes three buttons:

Click **Documentation** to launch a Web browser and open the *Hewlett-Packard LaserJet P2010 Series Install Notes*.

Click **Next** to go to the **Software License Agreement** dialog box.

Click **Cancel** to cancel the installation and go to the **Exit Setup** dialog box.

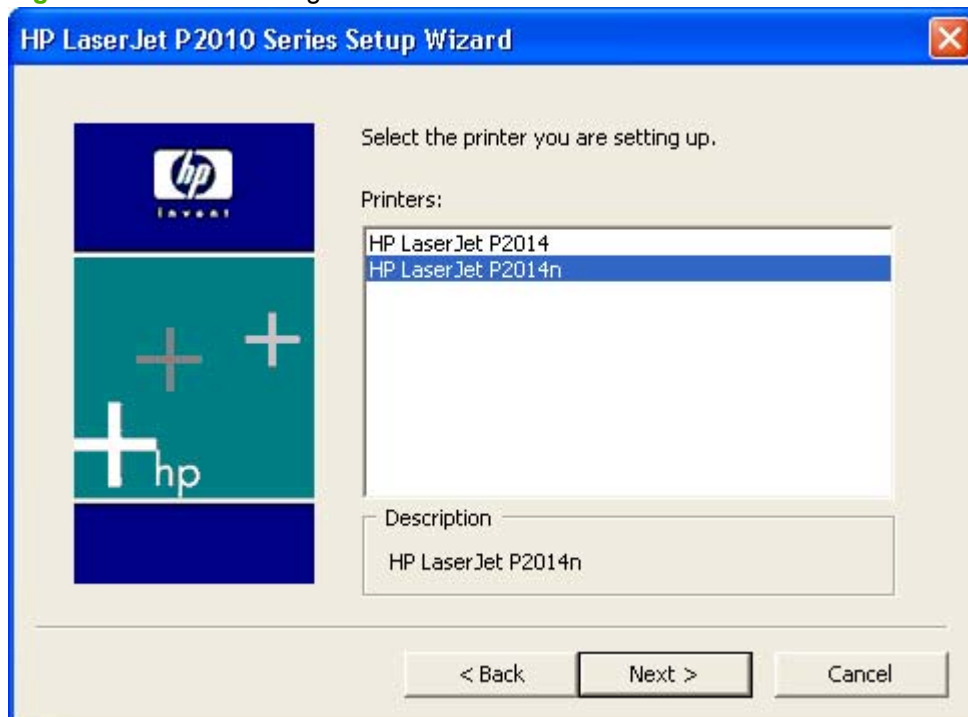
Figure 3-17 Software License Agreement dialog box



Click **Yes** to go to the **Model** dialog box.

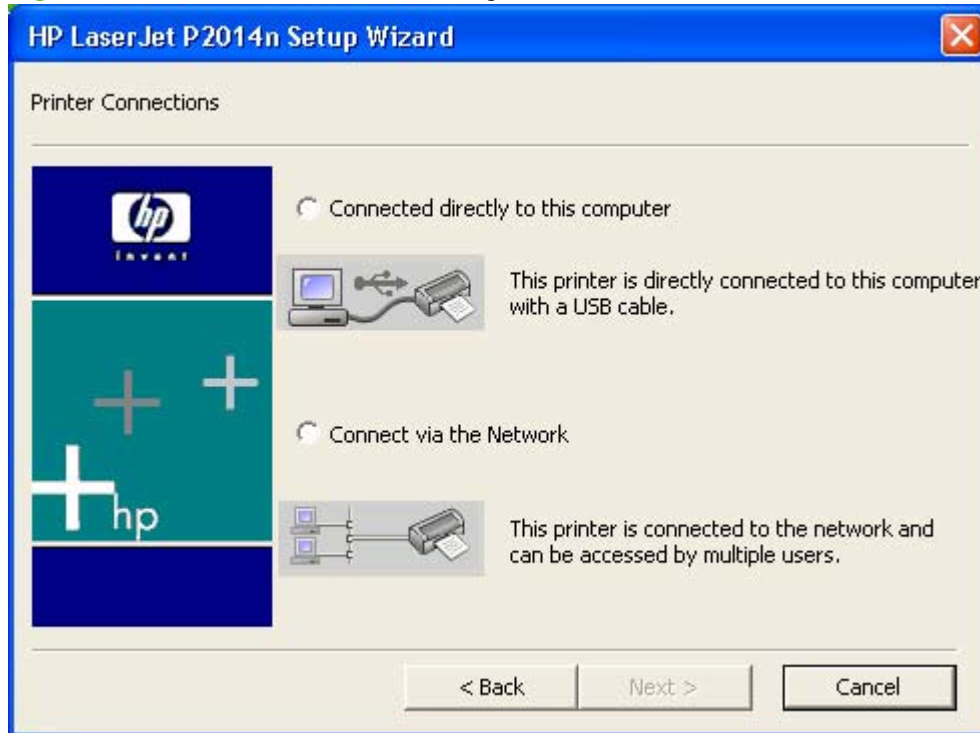
Click **No** to go to the **Exit Setup** dialog box.

Figure 3-18 Model dialog box



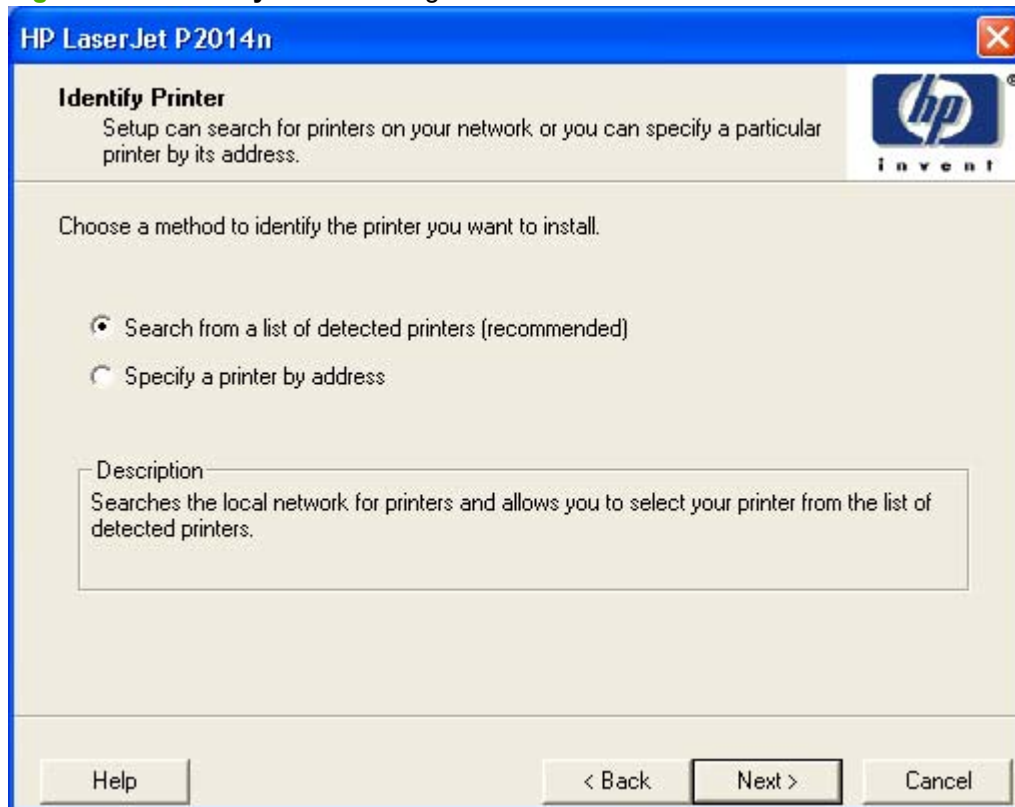
Select the network-ready model and click **Next** to go to the **Printer Connections** dialog box.

Figure 3-19 Printer Connections dialog box



Select **Connect via the Network** and click **Next** to go to the **Identify Printer** dialog box.

Figure 3-20 Identify Printer dialog box

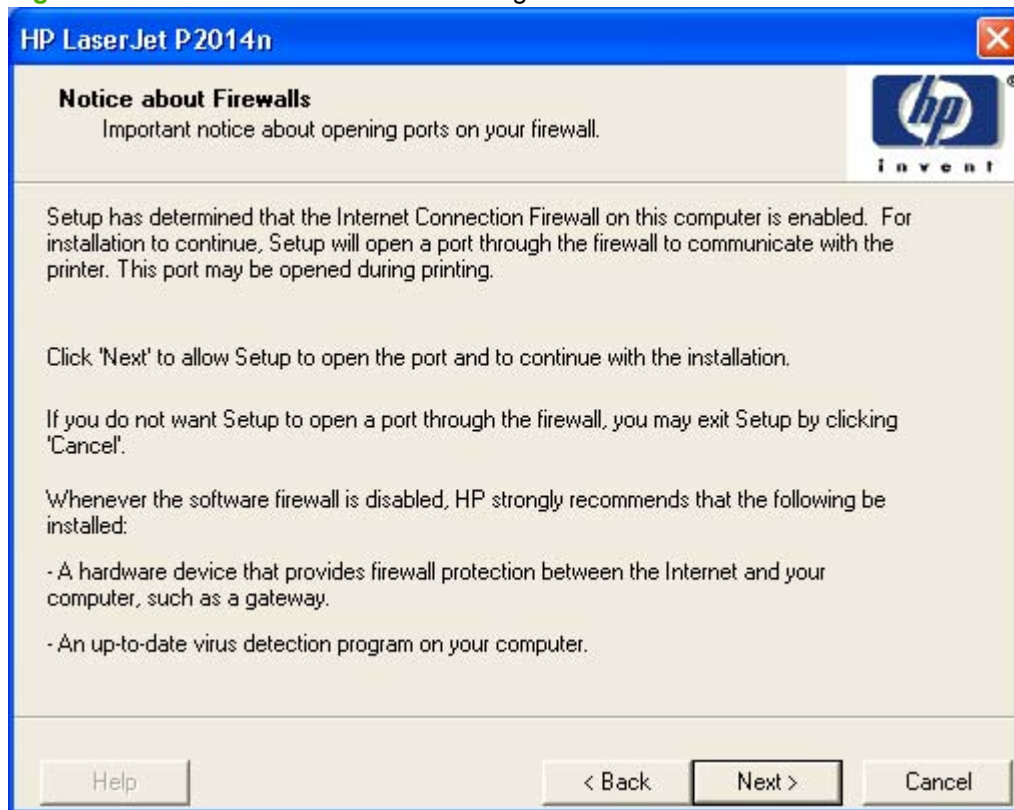


Select the **Search from a list of detected printers (recommended)** option, and then click **Next** to go to the **Notice about Firewalls** dialog box.

Select the **Specify a printer by address** option, and then click **Next** to go to the **Specify Printer** dialog box.

Help initiates the online Help system.

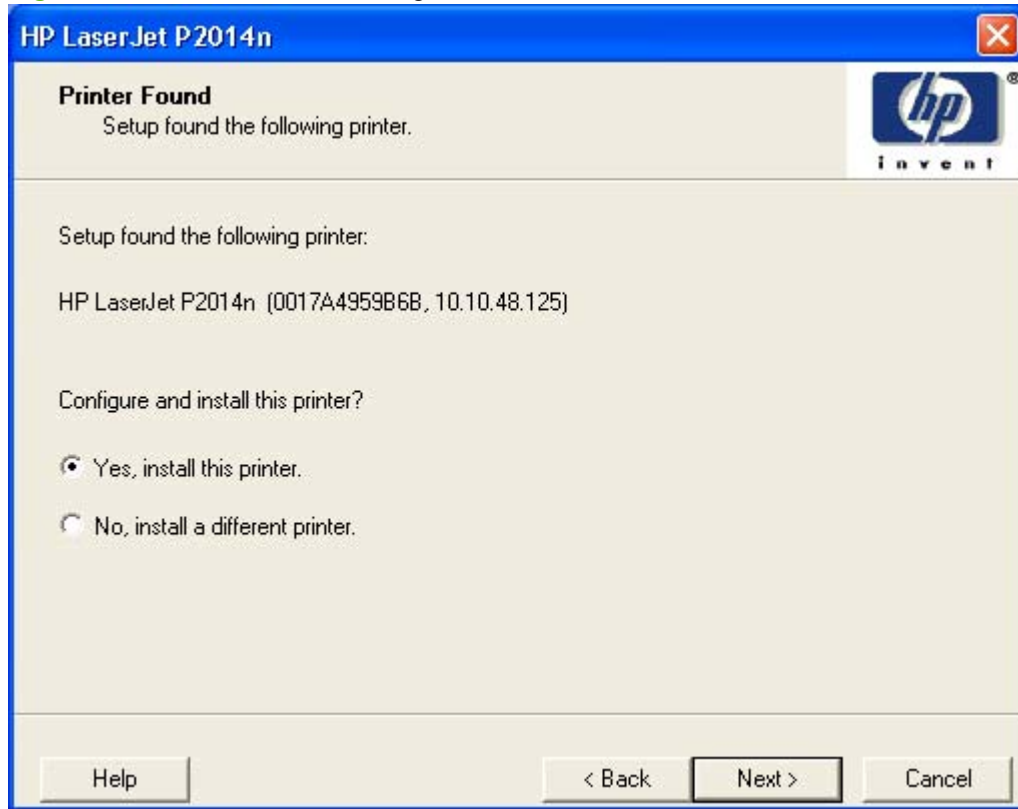
Figure 3-21 Notice about Firewalls dialog box



Click **Next** to go to the **Printer Found** dialog box.

 **NOTE:** While the setup wizard is searching for the device, a **Searching** screen appears.

Figure 3-22 Printer Found dialog box



Select **Yes, install this printer.**, and click **Next** to go to the **Confirm Settings** dialog box.

Select **No, install a different printer.**, and click **Next** to go to the **Check Cable Connection** dialog box.

Help initiates the online Help system.


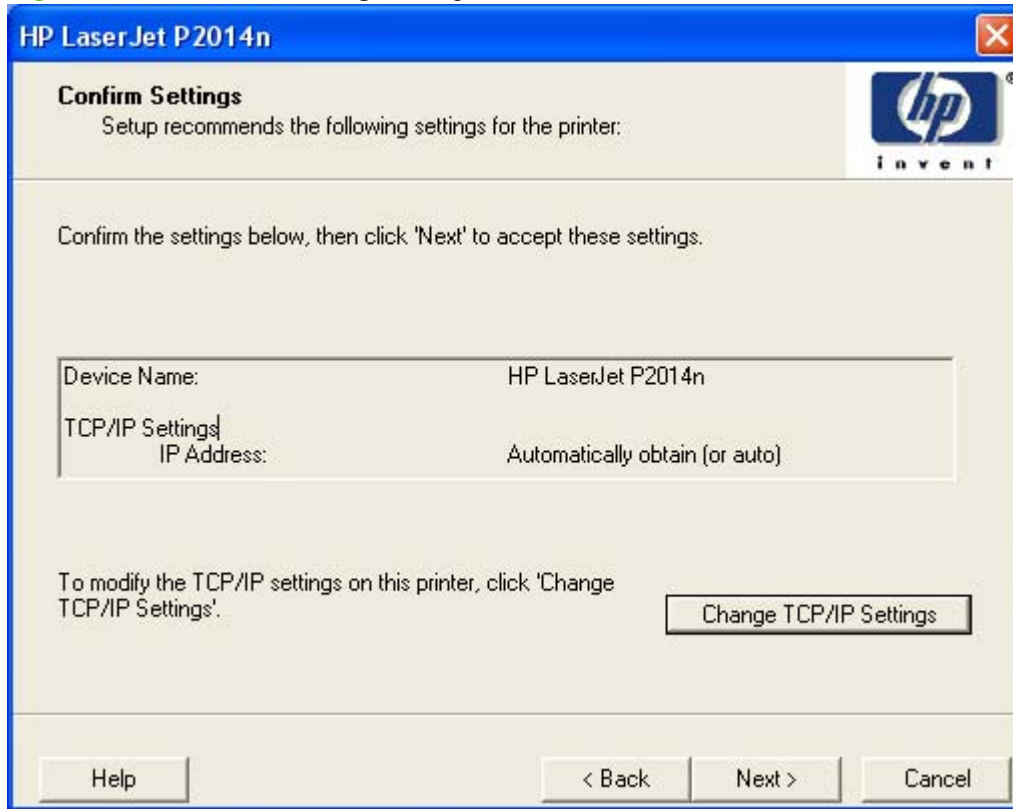
 **NOTE:** If more than one HP LaserJet P2010 Series printer is installed on the network, a list will appear from which you can select the specific HP LaserJet P2010 Series printer that you want to connect to.

Figure 3-23 Confirm Settings dialog box

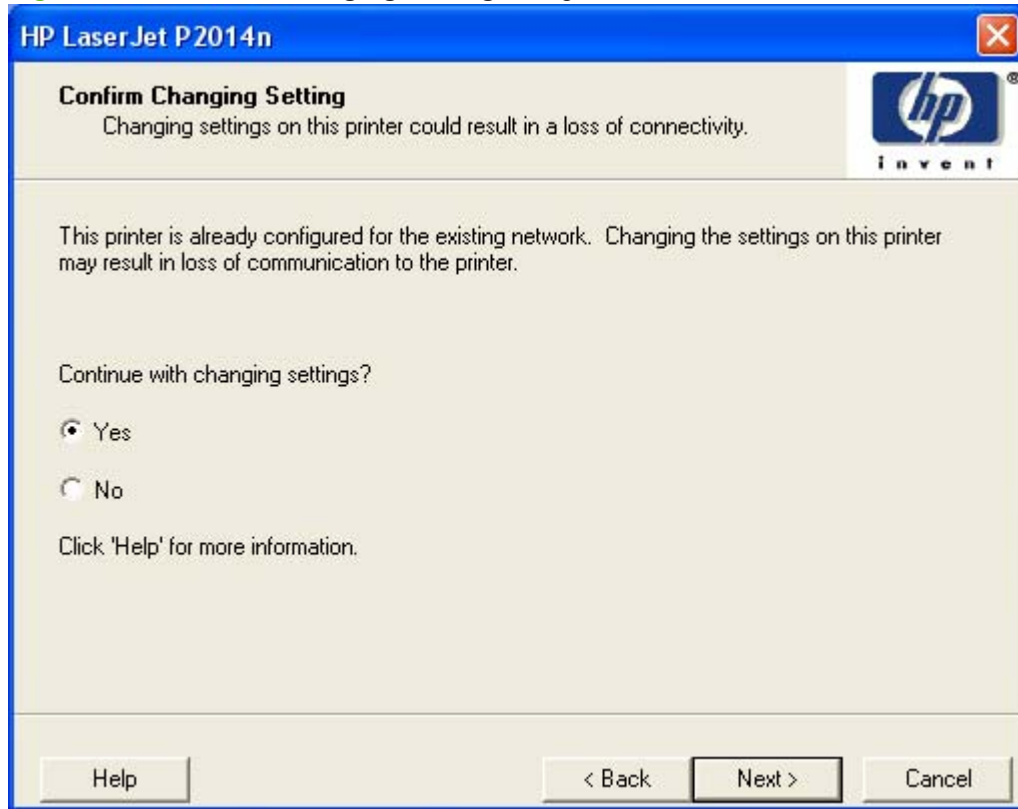


Click **Next** to go to the **Setup Settings** dialog box.

Click **Change TCP/IP Settings** to go to the **Confirm Changing Setting** dialog box.

Help initiates the online Help system.

Figure 3-24 Confirm Changing Setting dialog box

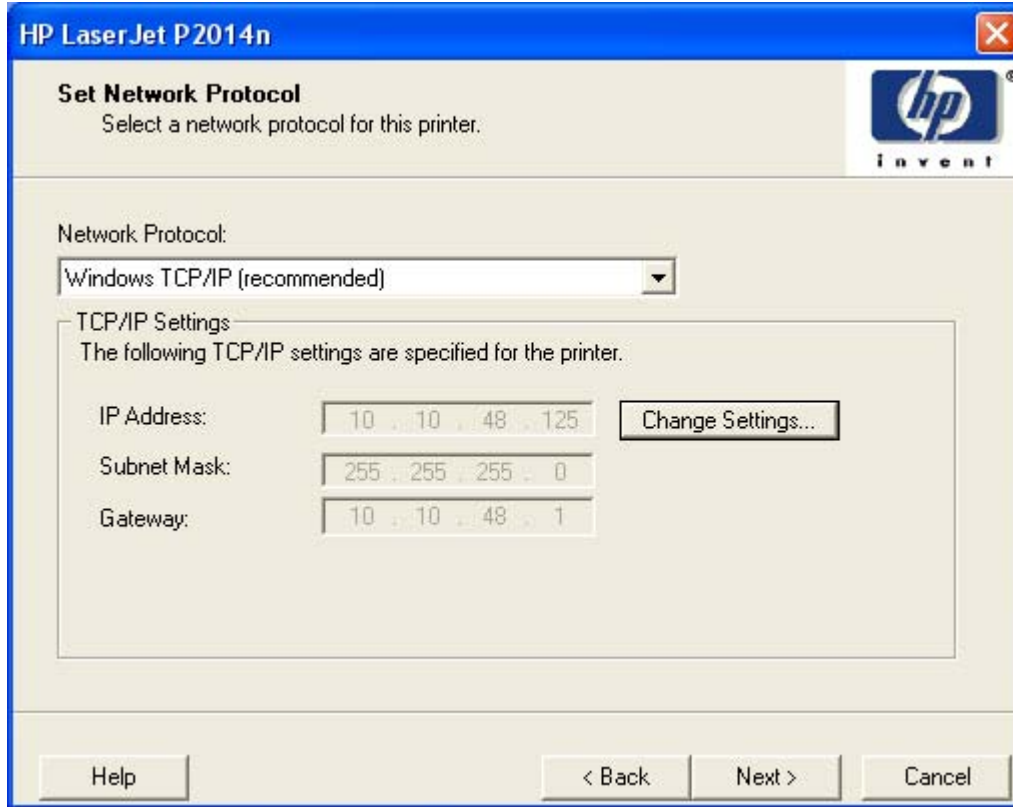


Select **Yes** and click **Next** to go to the **Set Network Protocol** dialog box.

Select **No** and click **Next** to go to the **Setup Settings** dialog box.

Help initiates the online Help system.

Figure 3-25 Set Network Protocol dialog box



Click the **Network Protocol:** drop-down menu to display a list of network protocols to choose from.

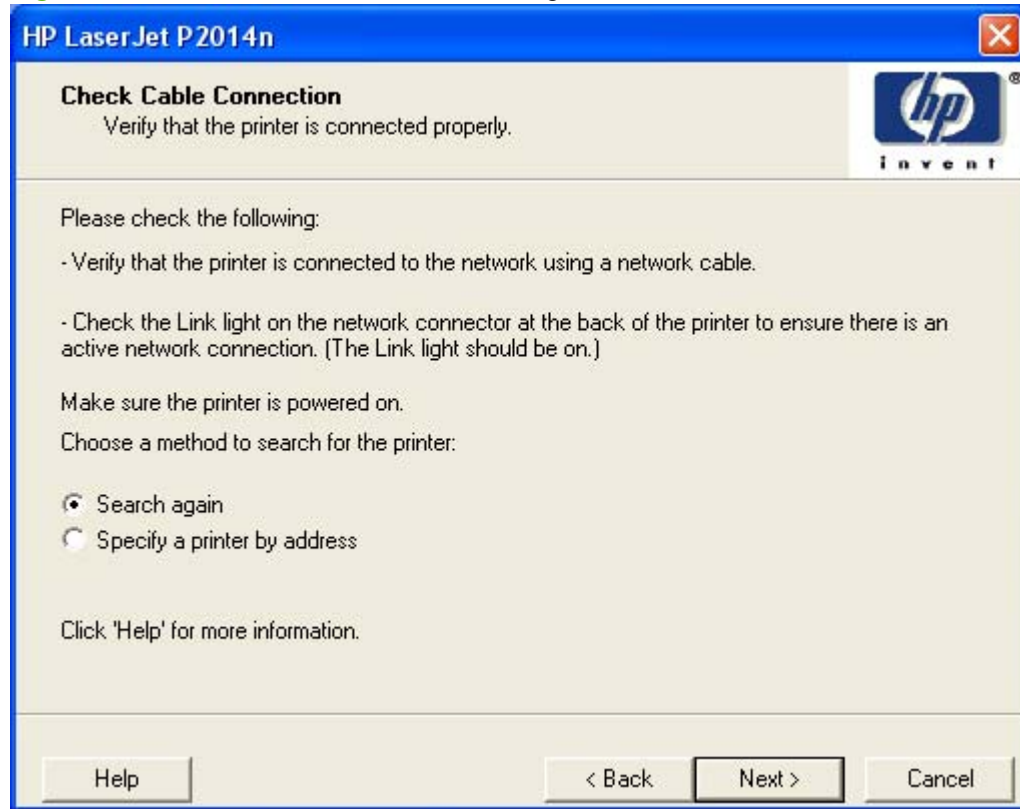
Click **Change Settings** to change the network settings.

Click **Next** to go to the **Confirm Settings** dialog box.

Help initiates the online Help system.

 **NOTE:** Use this screen to configure an unconfigured network card.

Figure 3-26 Check Cable Connection dialog box

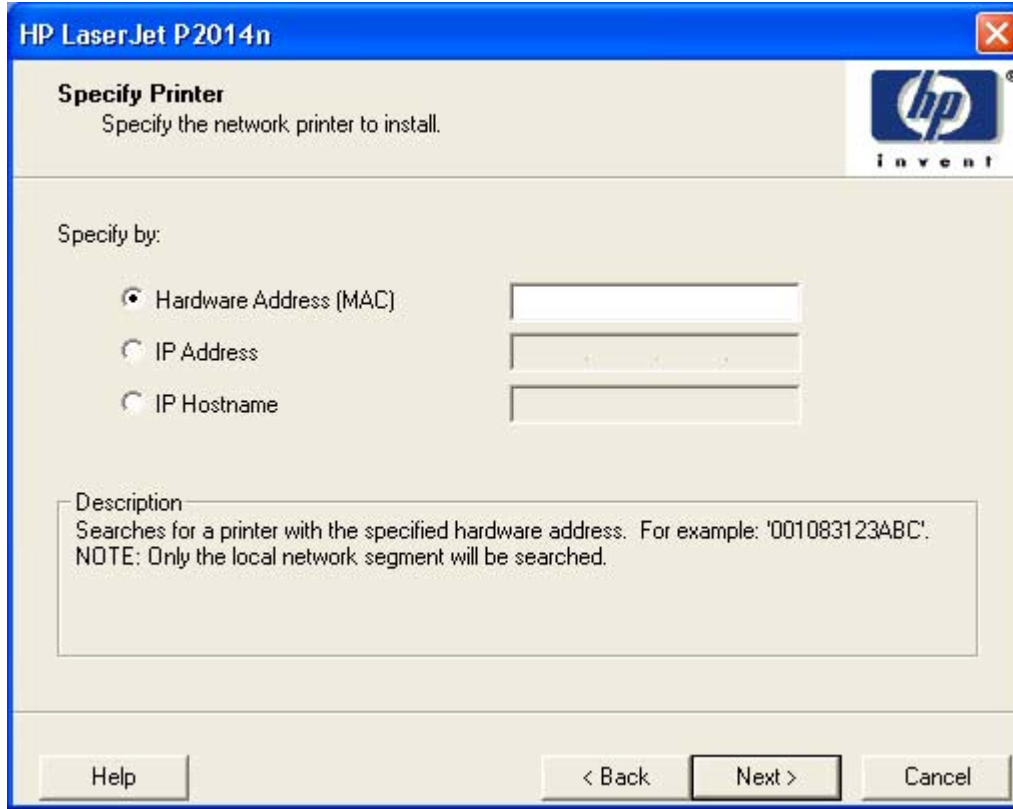


Select **Search again**, and click **Next** to search the network again and go to the **Printer Found** dialog box.

Select **Specify a printer by address**, and click **Next** to go to the **Specify Printer** dialog box.

Help initiates the online Help system.

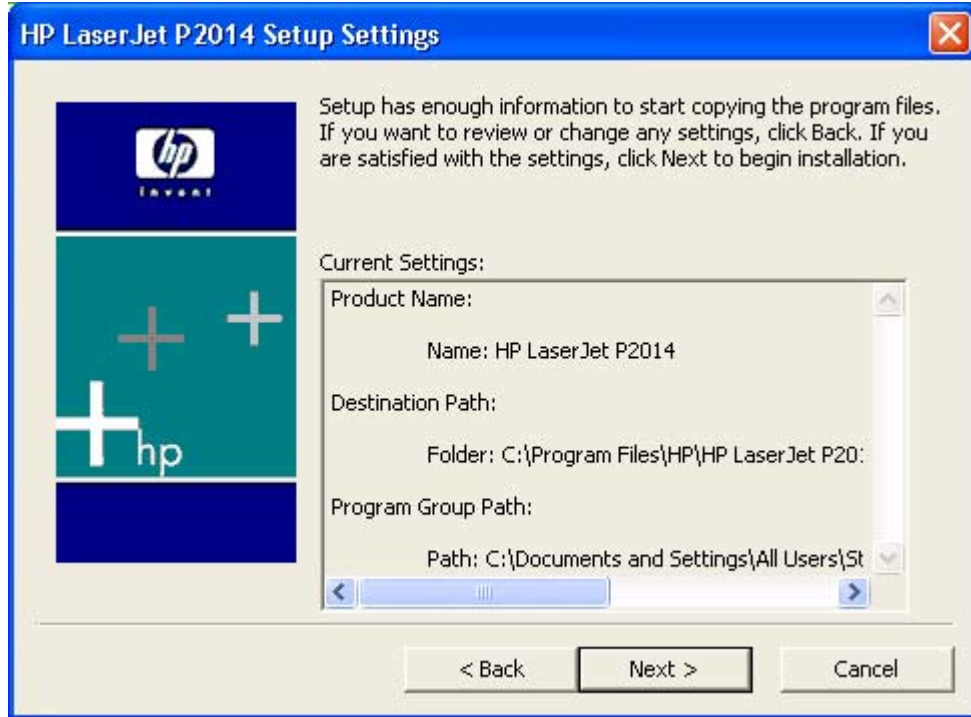
Figure 3-27 Specify Printer dialog box



Enter any of the addresses and click **Next** to go to the **Printer Found** dialog box.

Help initiates the online Help system.

Figure 3-28 Setup Settings dialog box



Click **Next**. A progress screen shows the files being installed, and the **HP Extended Capabilities** dialog box appears.


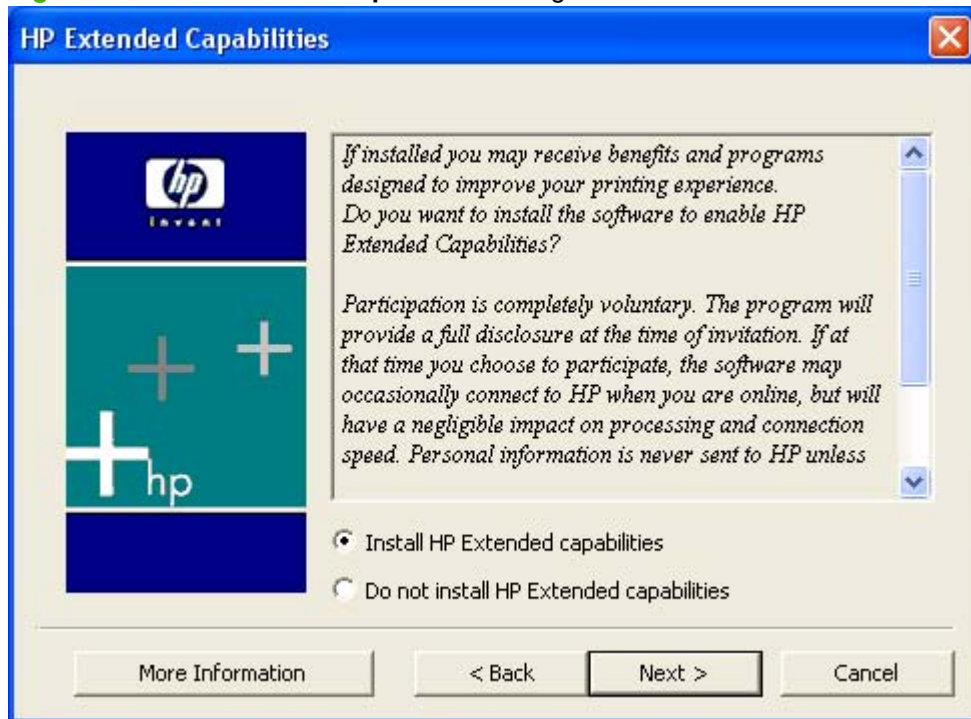
 **NOTE:** During the installation process, the status bar refreshes several times.

Figure 3-29 HP Extended Capabilities dialog box



If you select **Install HP Extended capabilities**, a dialog box appears two weeks after installing the device inviting participation in the HP Product Survey Program.

If you select **Do not install HP Extended capabilities**, you are not invited to participate in the HP Product Survey Program.

Click **More Information** to find out more about HP Extended Capabilities and the HP Product Survey Program.

Click **Next** to go to the **Setup Complete** dialog box.


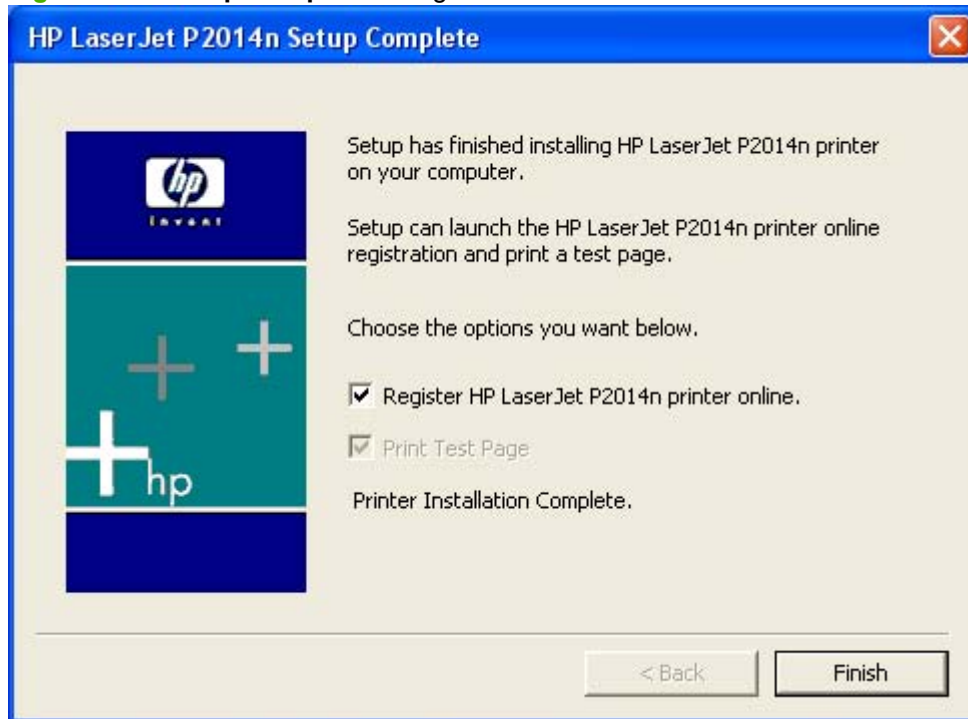
 **NOTE:** If required, the installer updates the device firmware. This might take several minutes.

Figure 3-30 Setup Complete dialog box



The **Register HP LaserJet P2010 Series printer online.** check box and the **Print Test Page** check box are selected by default. The **Print Test Page** option is unavailable.

Click **Finish** with the **Register HP LaserJet P2010 Series printer online.** selected to open the Online Registration page in the Web Browser and the **Benefits** dialog box.

Click **Finish** to print a test page on the device.

Figure 3-31 HP Registration page

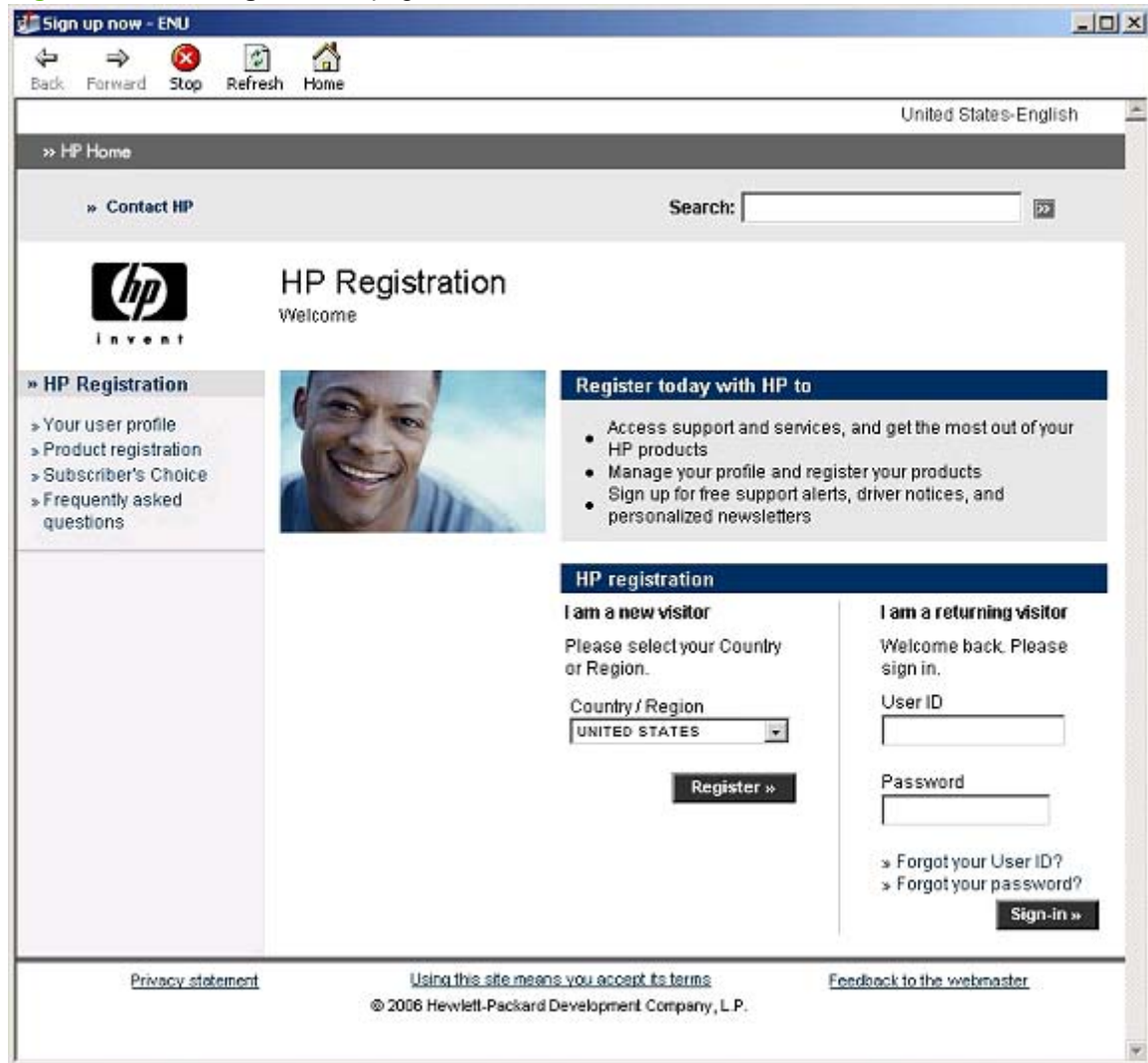
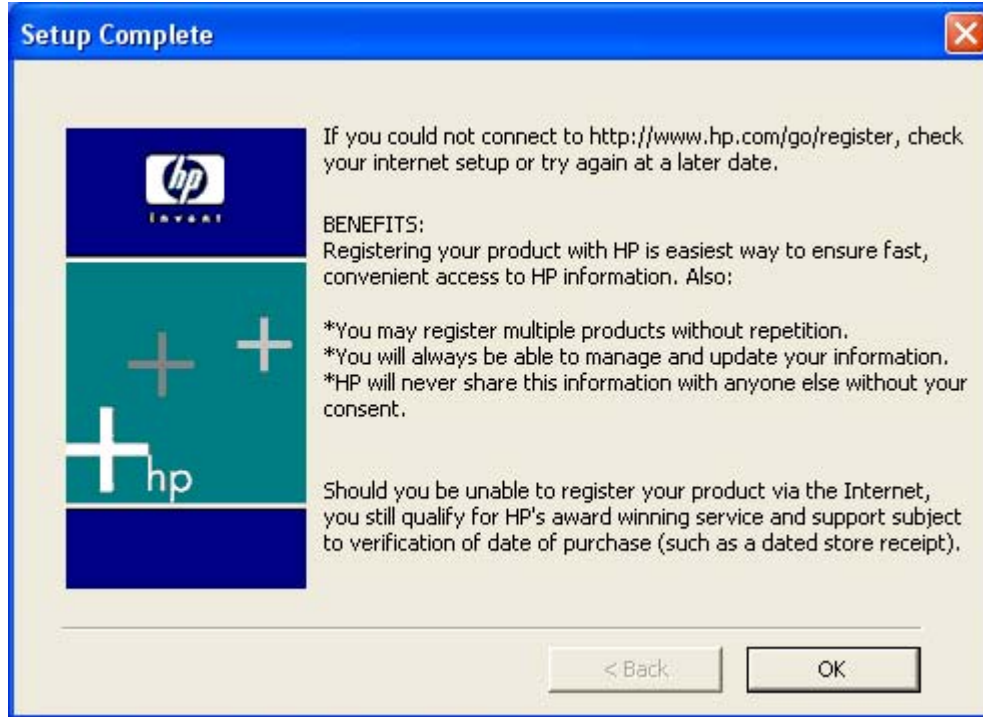


Figure 3-32 Benefits dialog box

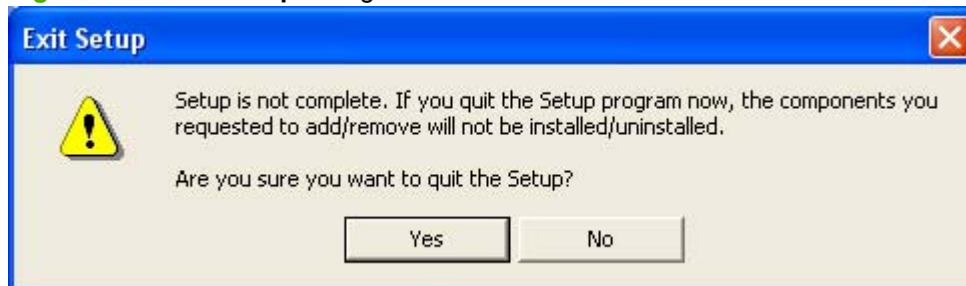


Click **OK** to close the dialog box.

Cancel setup

In any dialog box where it is available, click **Back** to return to the previous dialog box, or click **Cancel** to cancel the installation and go to the **Exit Setup** dialog box.

Figure 3-33 Exit Setup dialog box



Click **Yes** to cancel the print-driver installation and go to the **Setup Interrupted** dialog box.

Click **No** to return to the last open screen of the installer.

Figure 3-34 Setup Interrupted dialog box



Click **Finish**.

Uninstall

Topics:

- [Uninstall methods](#)
- [Uninstall component list](#)
- [Uninstall instructions for Microsoft Windows 2000, Microsoft Windows XP, and Microsoft Windows Vista](#)
- [Uninstall instructions for Microsoft Windows 98 SE and Microsoft Windows Me](#)

Uninstall methods

The following three methods exist for uninstalling the HP LaserJet P2010 Series printing-system software from the computer:

- **Program group.** Click **Uninstall** from the HP LaserJet P2010 Series program group from **Programs** menu on the computer. This is the preferred uninstall method.
- **Add/Remove programs.** Click **Add/Remove Programs** from the Windows Control Panel, and then click the HP LaserJet P2010 Series software components that you want to remove.
- **HP LaserJet P2010 Series printing-system CD.** Reinsert the HP LaserJet P2010 Series printing-system CD into the CD-ROM drive on the computer and then click **Install Printer Software**. On the secondary screen, click **Install Printer Software**. On the **Welcome** screen, click **Next**. On the **License Agreement** screen, click **Yes**. On the **Printers** screen, select the device to uninstall, and then click **Next**. On the next **Welcome** screen, click **Next**. On the **Options** screen, select **Uninstall**, and then click **Next**. On the **Uninstall** screen, click **Remove**. Review the important uninstall information, and then click **Next**. On the **Uninstall Complete** screen, click **Finish**.

Uninstall component list

The HP LaserJet P2010 Series uninstaller removes the following components from the computer:


- Drivers
- User guides

The HP LaserJet P2010 Series uninstaller does *not* remove the following components from the computer:

- HP Desktop Sure Supply
- HP Extended Capabilities
- HP Software Update

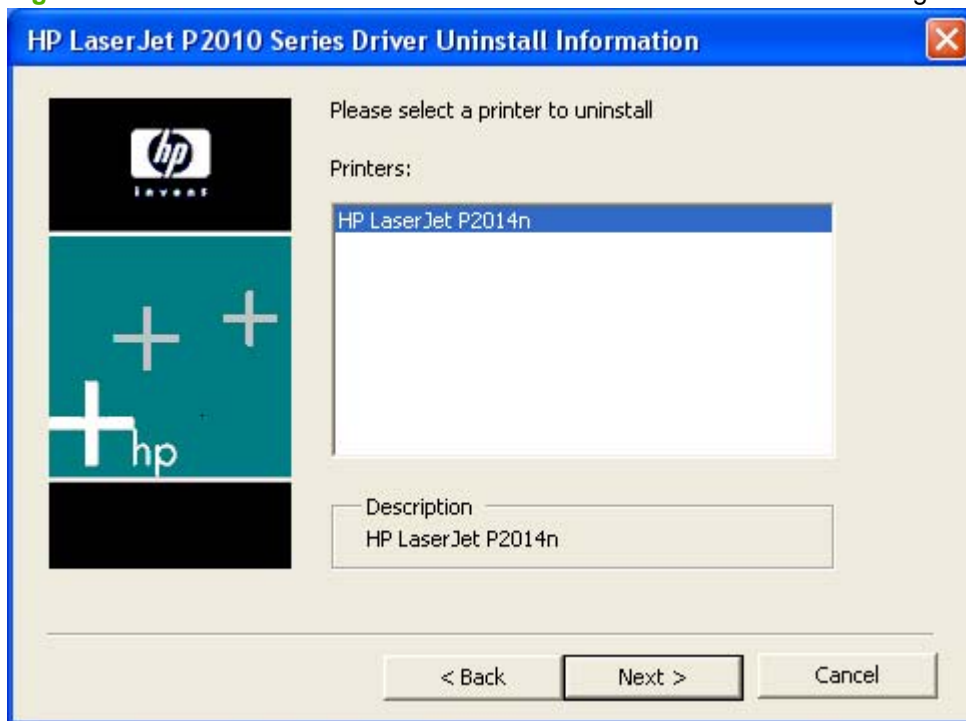
You must remove these components using the Microsoft Windows Add/Remove Programs feature. A warning screen appears if any other HP products are still using the components you want to remove.

Uninstall instructions for Microsoft Windows 2000, Microsoft Windows XP, and Microsoft Windows Vista

 **NOTE:** To uninstall the software from Microsoft Windows 2000, Microsoft Windows XP, or Microsoft Windows Vista, log on with administrator privileges.

1. Quit all open programs.
2. Click **Start**, select **Programs** (or **All Programs** in Microsoft Windows XP), select **HP**, select **HP LaserJet P2010 Series**, and then click **Uninstall HP LaserJet P2010 Series**.
3. The **Welcome to the HP LaserJet P2010 Series Uninstall Wizard** dialog box appears. Click **Next** to continue.
4. The **HP LaserJet P2010 Series Driver Uninstall Information** dialog box appears.

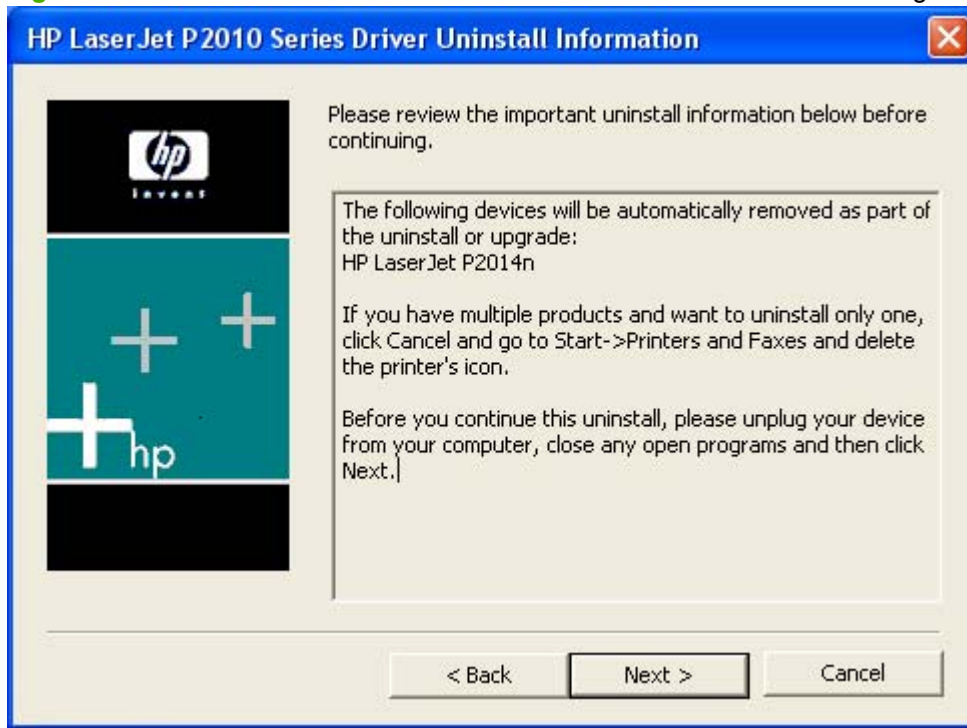
Figure 3-35 HP LaserJet P2010 Series Driver Uninstall Information dialog box



Select the device to uninstall, and then click **Next**.

5. A second **HP LaserJet P2010 Series Driver Uninstall Information** dialog box appears.

Figure 3-36 HP LaserJet P2010 Series Driver Uninstall Information dialog box – 2



Click **Next**.

6. If the device has not been unplugged from the computer, a third **HP LaserJet P2010 Series Driver Uninstall Information** dialog box appears.

Figure 3-37 HP LaserJet P2010 Series Driver Uninstall Information dialog box – 3

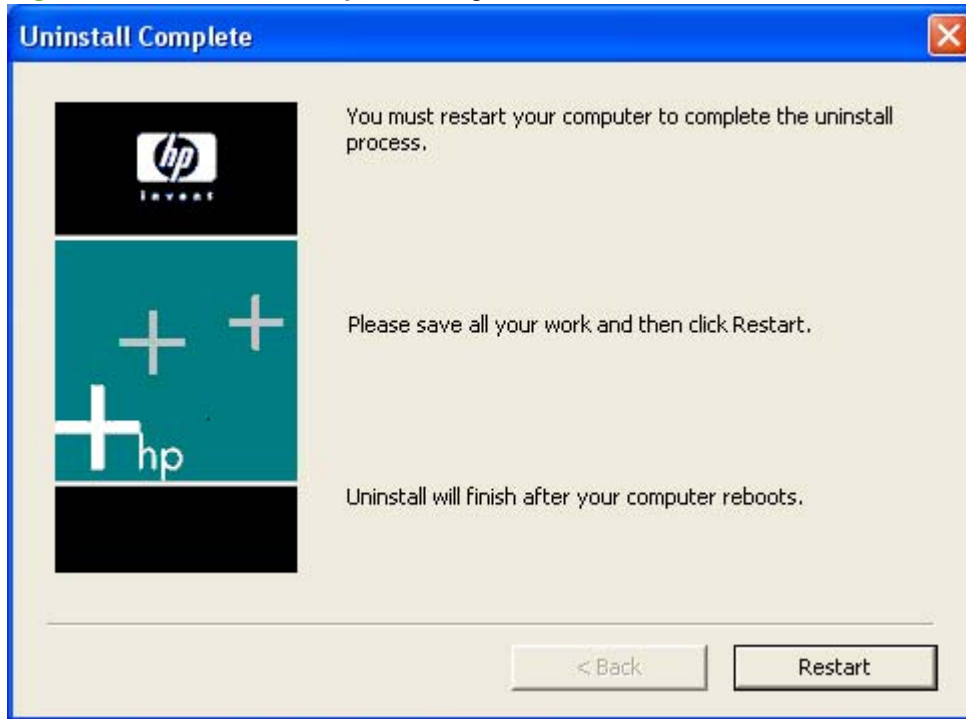


Unplug the device from the computer, and click **Retry** to continue.

The **Cleanup Progress** dialog box appears. A progress bar reflects the status of the uninstall process.

7. When the uninstall process is completed, the **Uninstall Complete** dialog box appears.

Figure 3-38 Uninstall Complete dialog box



Click **Restart** to restart the computer and finish the uninstall process.

Uninstall instructions for Microsoft Windows 98 SE and Microsoft Windows Me

Follow these steps to uninstall the HP LaserJet P2010 Series printing-system software for Microsoft Windows 98 SE and Microsoft Windows Me:

1. Click **Start**, click **Settings**, and then click **Printers**.
2. Right-click the icon for the HP LaserJet P2010 Series printer and then click **Delete**. The product icon and the associated files are removed from the computer.

4 Host-based driver for Windows

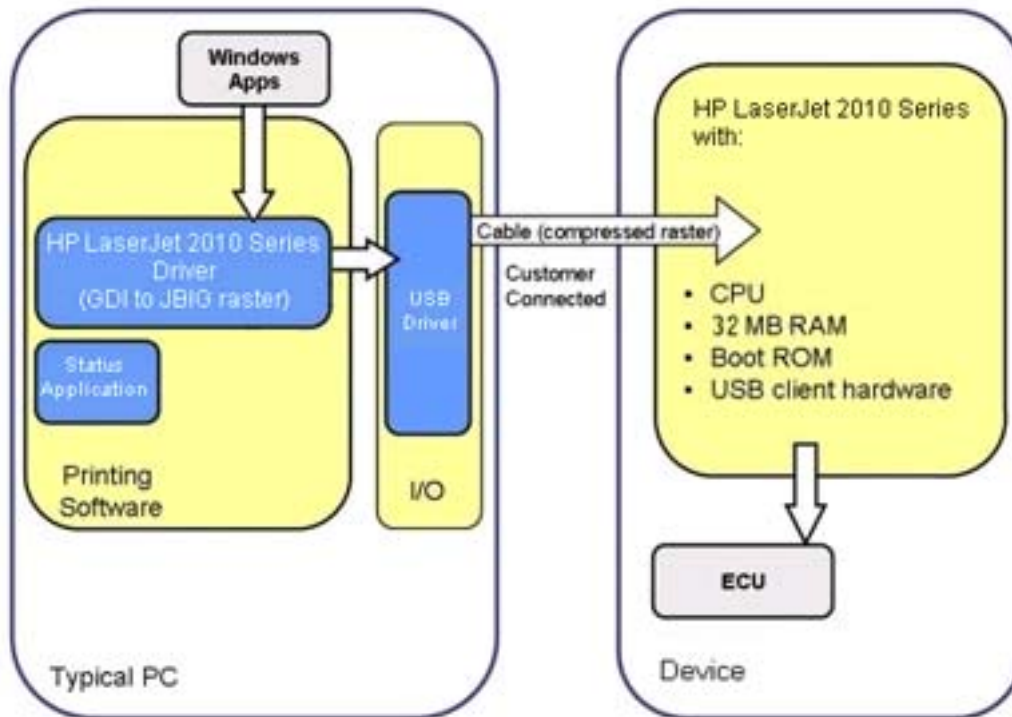
Topics:

- [Introduction to host-based printing](#)
- [Access to the driver](#)
- [Help system](#)
- [Driver tabs](#)

Introduction to host-based printing

The HP LaserJet 2010 Series printer is a host-based device. Host-based printing differs from PCL printing by computing the print job on the host computer rather than computing it in the device formatter. The following illustration shows how the HP LaserJet 2010 Series printing-system software works.

Figure 4-1 HP LaserJet 2010 Series host-based driver overview



As a host-based printing system, the HP LaserJet 2010 Series print driver uses MS Windows to convert the graphics device interface (GDI) or device driver interface (DDI) calls from software programs into JBIG (standard-compression) compressed pages. These pages are sent in “chunks” through the driver to the device formatter.

The HP LaserJet 2010 Series print driver also receives status messages from the formatter firmware. These messages are passed to the Status Application, which displays them.

The HP LaserJet 2010 Series formatter has 2 MB of read-only memory (ROM) and 32 MB of random access memory (RAM). Both the firmware and the compressed page must fit into the 32 MB of RAM.

Access to the driver

To gain access to driver settings from within most software programs, click **File**, click **Print**, and then click **Properties**. The appearance and names of the driver tabs that appear can vary, depending on the operating system. These settings apply only while the software program is open.

You can also control the driver directly from the **Printers** folder. These settings change the default settings for all software programs.

- In MS Windows 2000, click **Start**, select **Settings**, select **Printers**, right-click the device name, and then click **Printing Preferences** to gain access to the same set of driver tabs that the software program controls.
- In MS Windows XP or MS Windows Server 2003, click **Start**, select **Settings**, select **Printers and Faxes** (MS Windows XP Professional) or **Printers and Other Hardware Devices** (MS Windows XP Home), right-click the device name, and then click **Printing Preferences** to gain access to the same set of driver tabs that the software program controls.

Click **Properties** after right-clicking the device name to gain access to the **Properties** tab set, which controls the driver behavior and driver connections.

Printing Preferences tab set


The HP LaserJet P2010 Series printer host-based **Printing Preferences** tabs contain options for formatting documents for the HP LaserJet P2010 Series printer. Gain access to the **Printing Preferences** tabs either through the software program or through the MS Windows **Printers** folder. For more information, see [Access to the driver on page 73](#).

The following tabs are included in **Printing Preferences** tab set:

- Advanced
- Paper/Quality
- Effects
- Finishing
- Services

Properties tab set

The **Properties** tab set contains information about and options for configuring the device.

 **NOTE:** MS Windows also has tabs in the **Properties** tab set. For information about those tabs, see the documentation that came with the computer.

Help system

The HP LaserJet 2010 Series host-based driver includes a full-featured Help system to provide assistance with printing and configuration options. The following Help options are available:

- [What's this? Help](#)
- [Context-sensitive Help](#)
- [Paper Type Warning](#)

What's this? Help

"What's this?" Help is supported in all of the supported operating systems. Access "What's this?" Help messages in the following ways:

- Right-click a control and click **What's this?**, and a pop-up Help window appears.
- Click the ? button at the upper-right corner of the frame, next to the X, to change the cursor to an arrow with a question mark. Use this special cursor to select a control, and the pop-up Help window for that feature appears.
- Press the F1 key, and the Help window for the currently selected control appears.

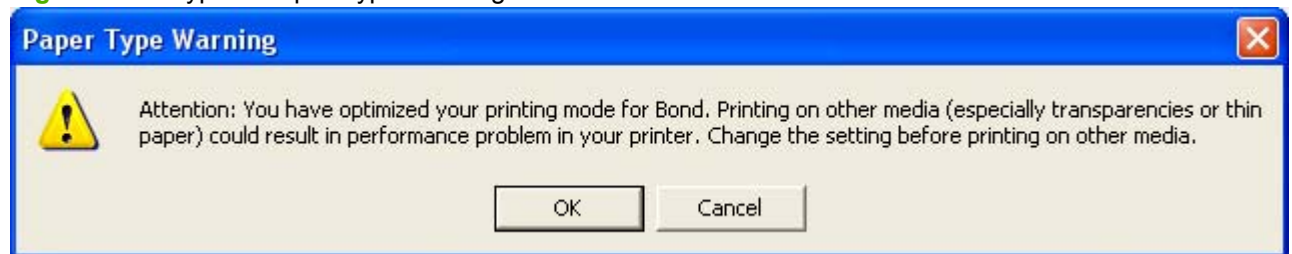
Context-sensitive Help

Press the **Help** button on a driver tab or in a dialog box, and context-sensitive Help appears.

Paper Type Warning

Paper Type Warnings are unsolicited messages that appear in response to specific actions. These messages appear in response to selections that could damage the device. For example, if you select **Bond** in the **Type is:** drop-down menu, a message appears warning you to change the setting before printing on other types of media.

Figure 4-2 A typical Paper Type Warning



Driver tabs

Topics:

- [Printing Preferences tab set](#)
- [Properties tab set](#)

Printing Preferences tab set

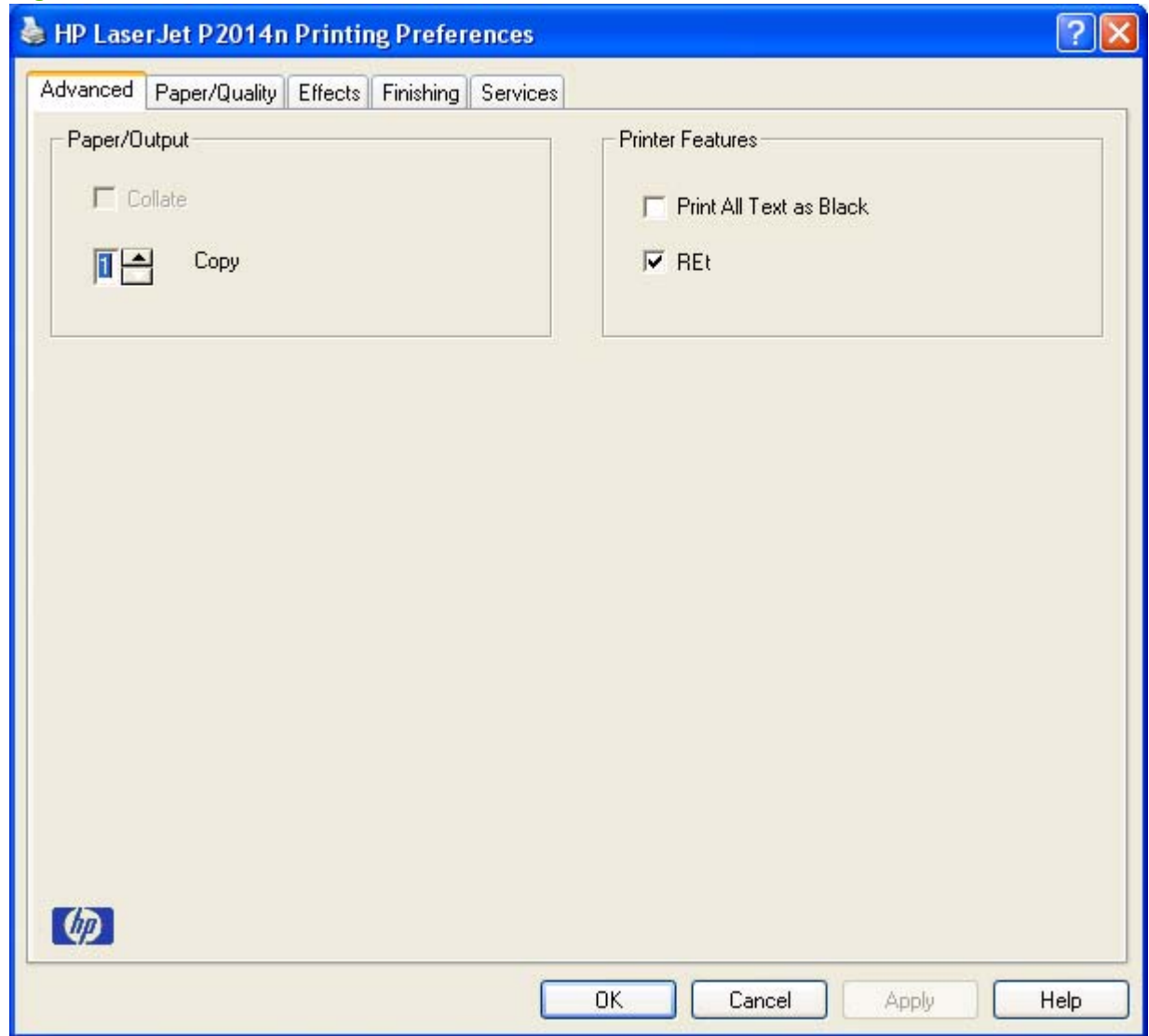
Topics:

- [Advanced tab features](#)
- [Paper/Quality tab features](#)
- [Effects tab features](#)
- [Finishing tab features](#)
- [Services tab features](#)

Advanced tab features

Use the **Advanced** tab to set the number of copies, collation, and print-job output options. The following illustration shows the **Advanced** tab.

Figure 4-3 Advanced tab



Paper/Output

The following settings are in the **Paper/Output** group box:

- [Collate](#)
- [Copy](#)

Collate

The **Collate** option becomes active if the **Copy** setting is greater than 1. Select **Collate** to collate multiple copy print jobs.

Copy

This setting is useful for software programs that do not provide a copy count. If a copy count is available in the software program, set the copy count in the software program. **Copy** specifies the number of copies to print.

The requested number of copies appears in the **Copy** option. Select the number by typing in the box or by using the up and down arrows to the right of the text box. For the HP LaserJet P2010 Series printer, valid entries are numbers from 1 to 9999. The copies value will not advance from the maximum number (9999) to 1 when the up arrow is used, or change from 1 to the maximum number (9999) when the down arrow is used.

When you click another group box or leave the **Advanced** tab, invalid entries into the edit box (such as non-numerical input, numbers less than 1, or numbers greater than the maximum allowed) change to the last valid value that appeared in the box. The default number of copies is 1.

Because the number of copies can be set from some software programs, conflicts can arise between the software program and the driver. In most cases, the software program and the driver communicate so that the number of copies set in one location (such as the program) appears in the other (such as the driver). For some programs, this communication does not happen, and the copies values are treated independently. For example, setting 10 copies in the program and then setting 10 copies in the driver will result in 100 copies (10 x 10) being printed. Set the number of copies in the program, wherever possible.

Printer Features

The following settings are in the **Printer Features** group box:

- [Print all Text as Black](#)
- [REt](#)

Print all Text as Black

Print all Text as Black is off by default. When selected, the driver prints all text as black regardless of the original document text color. However, white text remains white as a fail-safe method of printing reverse typeface against a dark background. This setting does not affect graphic images on the page. **Print all Text as Black** remains selected only for the current print job.

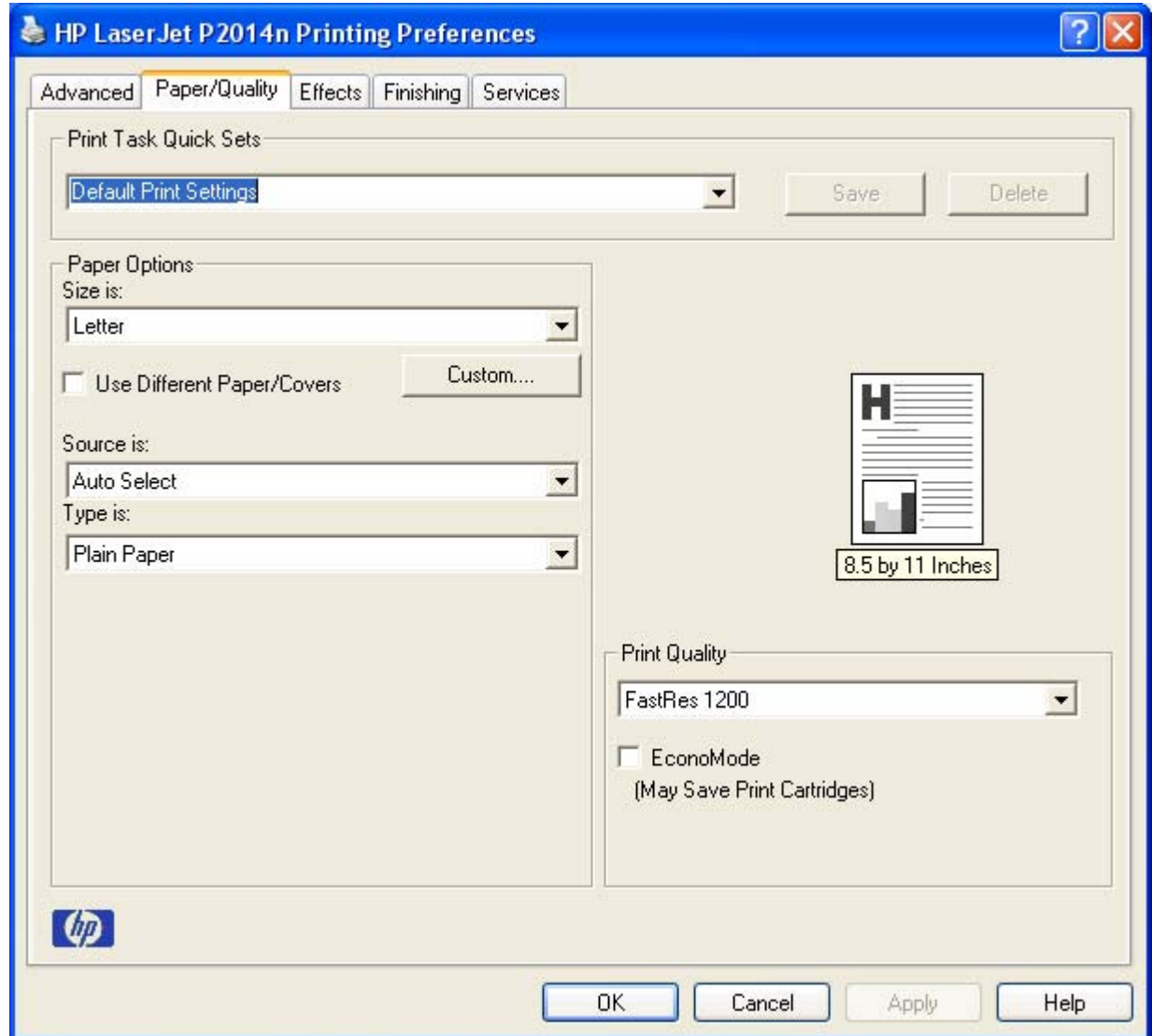
REt

Resolution Enhancement technology (REt) refines the print quality of characters by smoothing out jagged edges that can occur on the angles and curves of a printed image. It is **On** by default. Select **Off** if graphics, particularly scanned images, are not printing clearly.

Paper/Quality tab features

Use the **Paper/Quality** tab to specify the size, type, and source of the media for the HP LaserJet P2010 Series printer. You can also use this tab to indicate different paper-selection choices for the first page, other pages, and back cover of the document. The following illustration shows the **Paper/Quality** tab.

Figure 4-4 Paper/Quality tab



Print Task Quick Sets

The first group box in the upper portion of the **Paper/Quality** tab is **Print Tasks Quick Sets**. Because they are all the same control, any change to the **Print Task Quick Sets** group box that is made on the **Paper/Quality** tab affects the **Print Task Quick Sets** group boxes on the other driver tabs. The following tabs contain **Print Task Quick Sets** group boxes:

- **Paper/Quality**
- **Effects**
- **Finishing**

Use the **Print Task Quick Sets** setting to store the current combination of driver settings that appears on all of the other print driver tabs. Print Task Quick Sets are user-defined printing specifications (such as media size, pages per sheet, and so on). The **Print Task Quick Sets** control does *not* appear on the driver **Properties** tabs.

The following selections are available in the **Print Task Quick Sets** drop-down menu:

- [Default Print Settings](#)
- [User's Manual](#)
- [Type new Quick Set name here](#)

Default Print Settings

When you select **Default Print Settings**, nearly all of the settings are restored to the combination that existed after the driver was installed (the original settings). However, if the attribute combinations that are associated with watermark definitions or custom paper sizes have been changed or deleted, the original settings are *not* restored.

Default Print Settings appears in the **Print Task Quick Sets** menu automatically if no other driver settings have been changed since the driver was installed, or if all of the driver settings match the original settings. Otherwise, the setting in the **Print Task Quick Sets** menu is the same label that appeared when a user on the computer last closed the printing **Properties** dialog box by clicking **OK**.

User's Manual

The **User's Manual** option provides a **Print Task Quick Sets** setting for optimal printing of the *HP LaserJet P2010 Series User Guide*.

Type new Quick Set name here

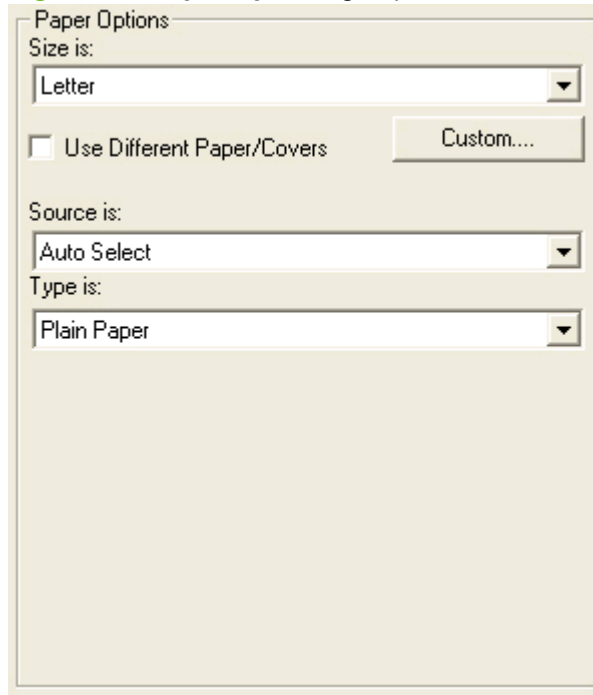
By default, the **Print Task Quick Sets** menu is set to **Default Print Settings**. When you change any of the default settings on any of the **Printing Preferences** driver tabs, **Type new Quick Set name here** appears in the **Print Task Quick Sets** menu and the **Save** button becomes active. Highlight the words **Type new Quick Set name here**, type the name for the new Print Task Quick Set, and then click **Save**. Print Task Quick Sets are saved in the system registry. To delete a Print Task Quick Set, select it from the drop-down menu and then click **Delete**.

Store a maximum of 25 **Print Task Quick Sets** on any system. If you attempt to save too many, a message box appears that states: **There are too many Quick Sets defined. Please delete some before adding new ones.**

Paper Options

The settings specified in the **Paper Options** group box on the **Paper/Quality** tab apply to all of the pages of the document. The following illustration shows the **Paper Options** group box and the selections available.

Figure 4-5 Paper Options group box




The following are settings in the **Paper Options** group box:

- [Size is:](#)
- [Source is:](#)
- [Type is:](#)

Size is:

The **Size is:** setting is a drop-down menu that lists all of the supported media sizes.

Specify the size for all the settings in the **Paper Options** group box. You must use the same size of media for the entire print job. That is, if the print job uses letter-size media, any option that you select from the available **Use Different Paper/Covers** options must also use letter-size media.

 **NOTE:** Certain software programs can override the size command and specify different media sizes within a single document.

For the **Other Pages** and **Back Cover** settings, select a source (tray) and media type that differ from the settings selected for **First Page**. If a conflict exists among media source, media size, and/or media type, and you choose to keep the conflicting settings, the settings are processed in the following order: media size, media type, and then media source.

Because driver settings are overridden by media-size settings in most software programs, use the driver to set media size only for software programs that don't have a media-size setting, such as NotePad, or when producing a book or a booklet that does not require different media sizes.

 **NOTE:** When using a software program that has a media-size setting, specify different media sizes within a single document by using the **Use Different Paper/Covers** options. For more information, see [Use Different Paper/Covers check box on page 81](#).

For more information about media sizes, see [Media attributes on page 133](#).

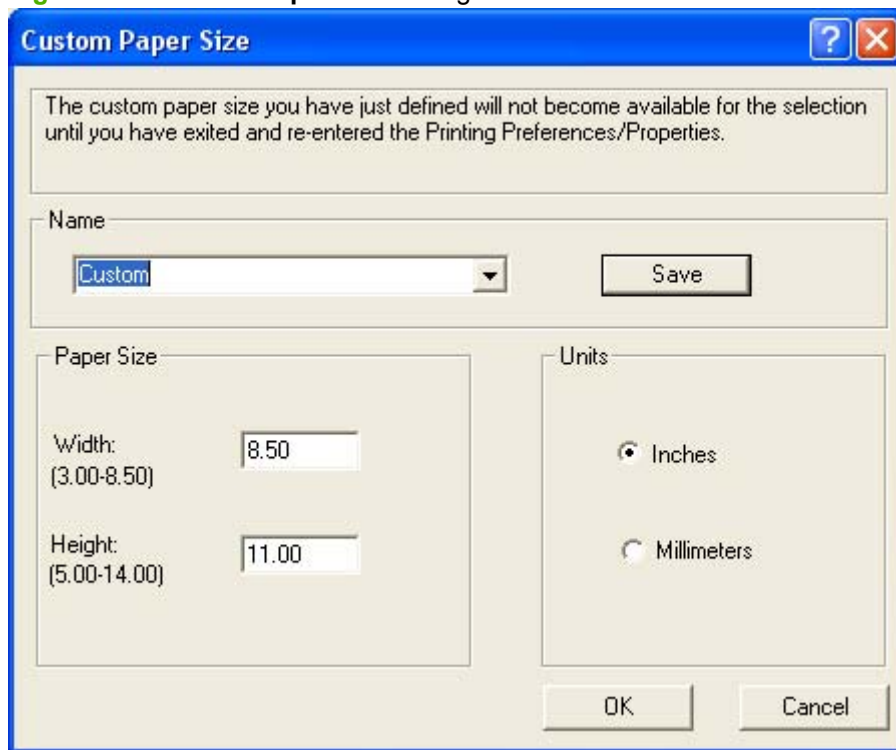
Use Different Paper/Covers check box

When the **Use Different Paper/Covers** check box is selected, the **Front Cover**, **First page**, **Other pages**, **Last page**, and **Back Cover** options become available. Click any of these options and then select **Size is:**, **Source is:**, and **Type is:** for each option.

Custom Paper Size

Click the **Custom** button to open the **Custom Paper Size** dialog box.

Figure 4-6 Custom Paper Size dialog box



Use the **Custom Paper Size** dialog box to create or modify custom-paper-size information. The **Custom Paper Size** dialog box contains the following options:

- **Name** field. Click the text box to type a name for the custom paper size or click the drop-down menu to select a custom paper size that is already defined.
- **Paper Size** group box. If you type in a size that is too large or too small, the driver automatically adjusts the size.
 - **Width:** spin box. Use the spin controls to select the width for the custom paper size, or click in the text box to type the width.
 - **Height:** spin box. Use the spin controls to select the height for the custom paper size, or click in the text box to type the height.
- **Units** group box. Select inches or millimeters to define the custom paper size.

Click **Save** to save the custom size or click **Close** to return to the **Paper/Quality** tab.

Source is:

The **Source is:** setting specifies the source tray to use for printing a document.

The **Source is:** drop-down menu can contain the following options:

- **Auto Select**
- **Manual Feed inTray1**
- **Tray 1**
- **Tray 2**
- **Tray 3**

The default setting is **Auto Select**. When this is selected, the device uses the source tray that supports the selected media size. If you select a source tray other than **Auto Select**, make sure that the correct media size is loaded in the source tray.

For more information about media sources, see [Media attributes on page 133](#).

Type is:

The **Type is:** drop-down menu shows all the paper types that the HP LaserJet P2010 Series printer supports. When you use the default setting, **Letter**, the device uses the default media type, which is usually **Plain**.

The following standard paper types appear in the list.

Table 4-1 Standard paper types and engine speed

Paper type	Engine speed
Plain	Full – 1:1
HP Multipurpose Paper	Full – 1:1
HP Office Paper	Full – 1:1
HP All-in-One Printing Paper	Full – 1:1

Table 4-1 Standard paper types and engine speed (continued)

Paper type	Engine speed
HP LaserJet Paper	Full – 1:1
HP Premium Choice LaserJet Paper	Full – 1:1
Preprinted	Full – 1:1
Letterhead	Full – 1:1
Transparency	Half – 1:2
Prepunched	Full – 1:1
Labels	Half – 1:2
Bond	Half – 1:2 ¹
Recycled	Full – 1:1
Color	Full – 1:1
Light (< 75 g/m ²)	Full – 1:1
Heavy (90 to 105 g/m ²)	Half – 1:2 ¹
Cardstock (105 to 176 g/m ²)	Half – 1:2 ¹
Envelope	Half – 1:2 ¹
Rough	Half – 1:2 ¹

¹ Throughput for continuous printing might be less than 4 pages per minute as a result of fuser heating limitations.

The default setting is **Plain**. If you select a different setting, make sure that the correct media type is loaded in the tray selected in the **Source is:** setting.

For more information about media types, see [Media attributes on page 133](#).

Use Different Paper/Covers options

Print books that include different media types by using the **Use Different Paper/Covers** options.

Select the **Use Different Paper/Covers** check box to make the following settings appear in the group box, along with associated options:


- **Front Cover**
- **First Page**
- **Other Pages**
- **Last Page**
- **Back Cover**

To use **Use Different Paper/Covers** options, configure the setting for the print job. Each option for the **Use Different Paper/Covers** setting is described in the sections that follow this procedure. Use the following instructions to configure the setting.

Configure the Use Different Paper/Covers options for a print job

For each option, set a different tray by using the **Source Is:** drop-down menu. For some options, the **Type is:** drop-down menu is also available.

1. To use different paper or cover stock, select the **Use Different Paper/Covers** check box. A list of options appears in the dialog box. The full set of selections is visible by using the down arrow button to the right of the list to scroll.
2. To use different media for the pages within the print job, select the appropriate option (**Front Cover**, **First Page**, **Other Pages**, **Last Page**, or **Back Cover**) in the dialog box. A check mark appears to the left of the option when a setting is changed using the **Source is:** or **Type is:** drop-down menus.
3. Click **OK** to print.

 **NOTE:** Use the same size of media for the entire print job. All options selected from the available **Use Different Paper/Covers** options use the size selected in the **First Page** settings.

When you change the type and source of the paper and covers, the settings remain configured until you close the software program.

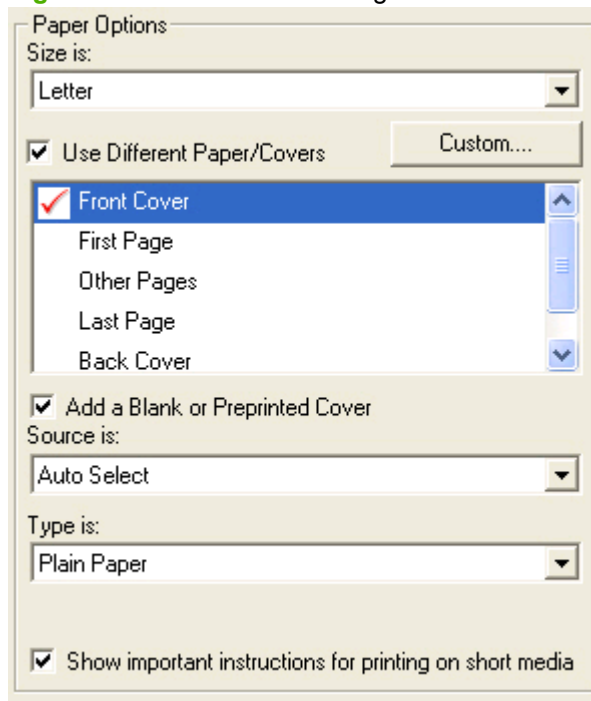
Each option for the **Use Different Paper/Covers** setting is described in the following sections.

Front Cover and Back Cover options

Use these options to include a blank or preprinted front cover or back cover on a document.

The following illustration shows the **Front Cover** setting and options. These options are the same for the **Back Cover** setting.


Figure 4-7 Front Cover setting



The **Front Cover** and **Back Cover** options are as follows:

- **Add a Blank or Preprinted Cover** check box
- **Source is:** drop-down menu
- **Type is:** drop-down menu

When you select **Front Cover** or **Back Cover**, also select the **Add a Blank or Preprinted Cover** check box to enable the setting. When this check box is selected, the **Source is:** and **Type is:** drop-down menus become available and a check mark appears next to the **Front Cover** or **Back Cover** option.

 **NOTE:** The **Back Cover** options are not available when the **Booklet Layout** setting is enabled on the **Finishing** tab. For two-page-per-sheet (2-up) booklet printing, include a cover by selecting different media for the first page only. The back cover setting is unavailable, because this page would be printed in the middle of a booklet.

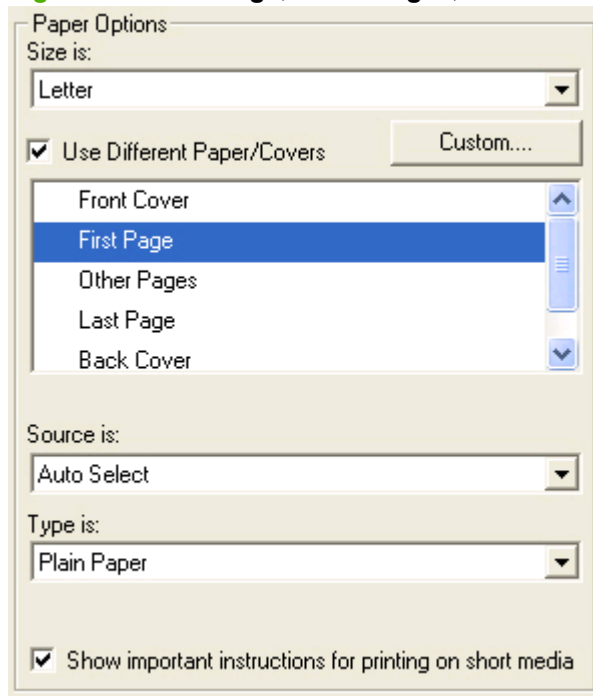
The **Source is:** setting specifies the source tray to use for adding a back cover to the document. The list of source trays depends on the installed accessories. Any optional media trays that are installed through the **Configure** tab also appear here. For more information about the **Source is:** setting, see [Source is: on page 82](#).

The **Type is:** drop-down menu shows all of the media types that the printer supports. For more information about the **Type is:** settings, see [Type is: on page 82](#).

First Page, Other Pages, and Last Page options

Use these options to select an alternative media size, type, or source for the first page, other pages, or last page of a document. The following illustration shows the appearance of the **Paper Options** group box when the **Use Different Paper/Covers** check box is selected.

Figure 4-8 First Page, Other Pages, and Last Page options



The **First Page**, **Other Pages**, and **Last Page** options are as follows:

- **Size is:** drop-down menu
- **Source is:** drop-down menu
- **Type is:** drop-down menu

The **Size is:** driver setting for the first page applies to the entire print job. When this is set, the setting becomes unavailable for all the other **Use Different Paper/Covers** options.

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side-up. The document preview image appears in the upper-right corner of the **Paper/Quality**, **Effects**, and **Finishing** tabs.

Switching between tabs does not change the location or appearance of the document preview image. Move the mouse over the document preview image, and the mouse cursor changes from an arrow to a gloved hand. Toggle between portrait and landscape page orientation by clicking on the image.

Print Quality

The **Print Quality** group box contains the **Print Quality** drop-down box and the **EconoMode** check box.

The default setting for **Print Quality** is **FastRes 1200**.

This setting controls resolution, which refers to the number of dots per inch (dpi) used to print the page. As resolution is increased, the quality (clarity and visual appeal) of print on the page is improved. However, higher resolution might also result in longer printing times. The following **Print Quality** options are available in the drop-down box:

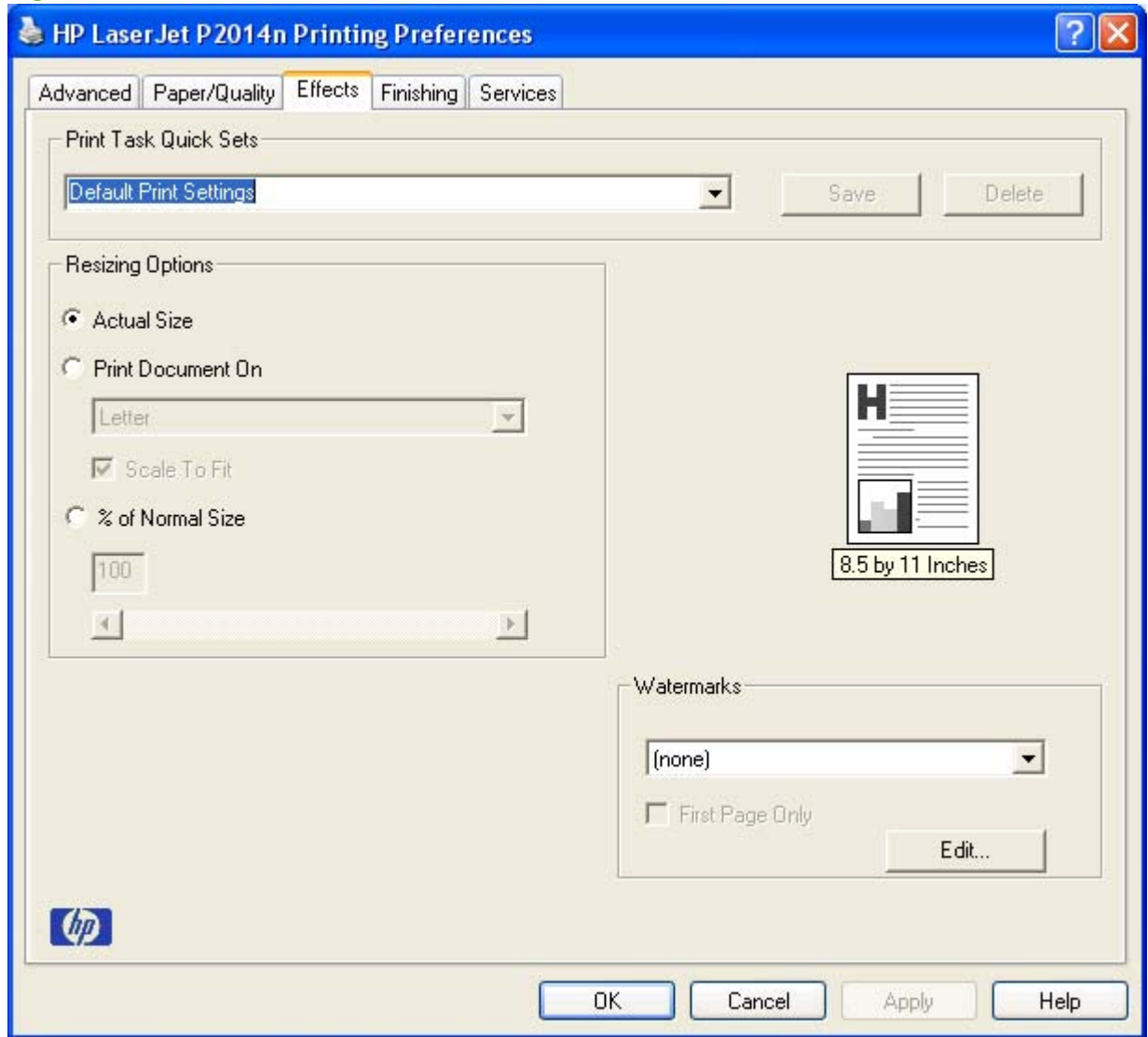
- **FastRes 1200**
- **600 dpi**

Select the **EconoMode** check box in conjunction with any of the print quality settings. When using EconoMode, the device uses less toner on each page. Using this option might extend the life of the print cartridge and can lower the cost per page, but also reduces print quality. Using the EconoMode feature with non-HP print cartridges can result in toner spillage or device damage.

Effects tab features

Use the **Effects** tab to create unique media effects such as scaling and watermarks. The following illustration shows the **Effects** tab.

Figure 4-9 Effects tab



The **Effects** tab contains the following controls:

- [Print Task Quick Sets](#)
- [Resizing Options](#)
- [Document preview image](#)
- [Watermarks](#)

Print Task Quick Sets

Use the **Print Task Quick Sets** control to store the current combination of driver settings that are found on all other **Printing Preferences** driver tabs. Print Task Quick Sets are either preset or user-defined

printing specifications, such as paper size and pages per sheet. For more information, see [Print Task Quick Sets on page 78](#).

Resizing Options

The **Resizing Options** group box consists of the following controls:

- [Actual Size](#)
- [Print Document On](#)
- [Scale to Fit](#)
- [% of Normal Size](#)

Actual Size

Select this default option to print the page at normal size.

Print Document On

Select this option to format the document for one paper size and then print the document on a different paper size, with or without scaling the image to fit the new paper size.

Print Document On is disabled by either of the following conditions:

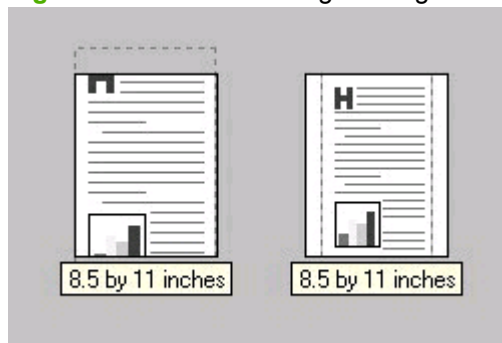
- The **% of Normal Size** value is not 100.
- The **Pages per Sheet** value (on the **Finishing** tab) is not 1.

When **Print Document On** is selected, **Scale to Fit** is automatically selected, and the drop-down menu shows the available media sizes. The list contains all of the standard media sizes that are supported by the selected media source and any custom sizes that have been created.

Scale to Fit

Scale to Fit specifies whether each formatted document page is scaled to fit the target paper size. By default, **Scale to Fit** is selected when **Print Document On** is selected. If the setting is turned off, each document page is centered at full size on the target paper. If the document size is larger than the target paper size, the document image is clipped. If it is smaller, it is centered within the target paper. The following illustration shows preview images for a document that is formatted for legal-size paper and where the **Print Document On** check box is selected and the target size is specified as **Letter**.

Figure 4-10 Preview images - Legal on Letter; **Scale to Fit** off (left) and on (right)



When the size for which the document is formatted (that is, the logical size) differs from the target size, the preview image uses a dashed gray line to show the boundaries of the logical page in relation to the target page size.

% of Normal Size

The **% of Normal Size** option provides a slider bar to use for scaling the percentage setting. The default setting in the entry box is 100% of normal size. Normal size is defined as the paper size that is selected within the driver or what the driver receives from the software program (if the software program does not negotiate the paper size with the driver). The driver scales the page by the appropriate factor and sends it to the device.

The limits of the range are from 25% to 400%, and any values outside the range are adjusted to those limits as soon as the focus is removed from the control (that is, when the **Tab** key is pressed or another control is selected).

Any change to the scale also changes the page preview, which increases or decreases from the upper-left corner of the preview.

The slider bar controls the scale directly. The value in the edit box changes as the scroll bar indicator is dragged, and the preview image is updated to the new image scale. Each click on the scroll bar arrows increases or decreases the scale by 1%. Each click on the slider bar affects the scale by 10%.

You cannot achieve an exact value by dragging the scroll bar indicator at the default Microsoft Windows resolution; use the scroll bar indicator to approximate the value, and then use the scroll bar arrows to refine the value.

The following settings disable **% of Normal Size**:

- **Print Document On** (on the **Effects** tab) is selected .
- **Pages per Sheet** (on the **Finishing** tab) is not 1.

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side up. The document preview image appears in the upper-right corner of most **Printing Preferences** driver tabs (the **Paper/Quality**, **Effects**, and **Finishing** tabs).

Switching between tabs does not change the location or appearance of the document preview image. Move the mouse over the document preview image, and the mouse cursor changes from an arrow to a gloved hand. Toggle between portrait and landscape page orientation by clicking on the image.

Watermarks

Use the **Watermarks** feature to select a watermark, create a custom watermark (text only), or edit an existing watermark. The following watermarks are preset in the driver.

- [Current Watermarks](#)
- [Watermark Message](#)
- [Message Angle](#)
- [Font Attributes](#)

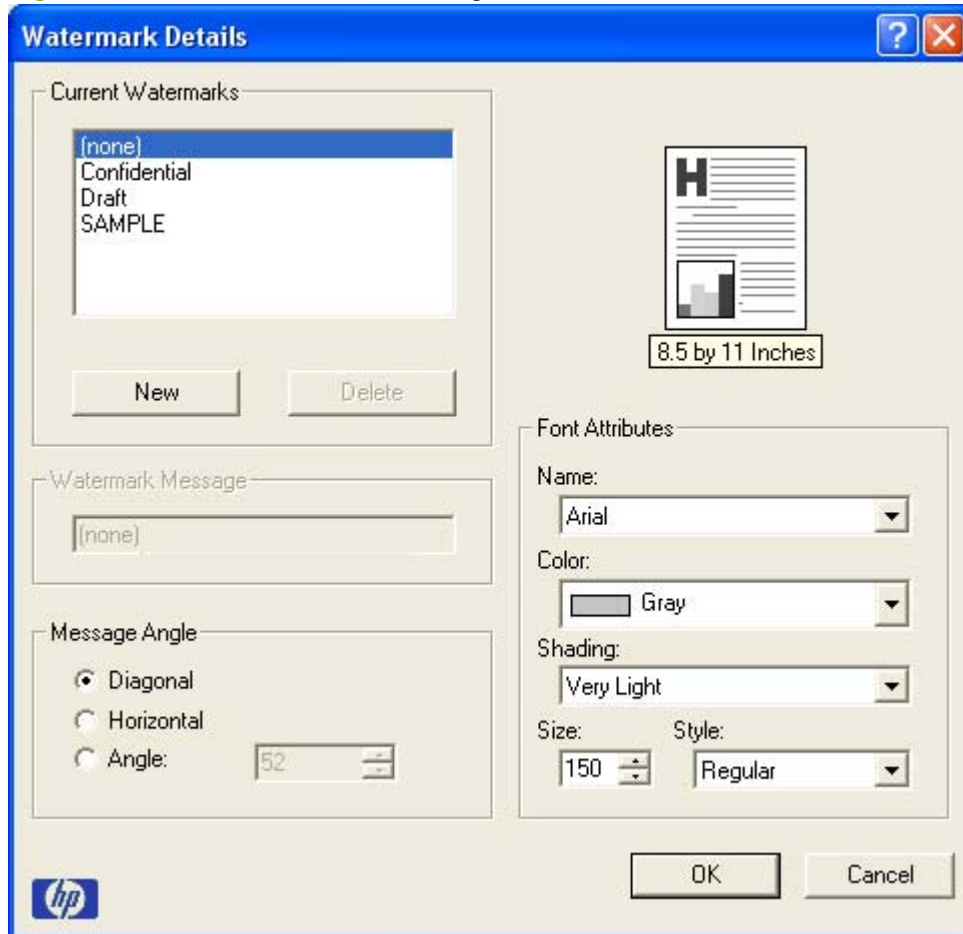
The drop-down menu shows alphabetically sorted watermarks that are currently available on the system plus the string "(none)", which indicates that no watermark is selected. This is the default setting. Any watermark selected from this list appears in the preview image.

When the **First Page Only** check box is selected, the watermark is printed only on the first page of the document. The **First Page Only** check box is disabled when the current watermark selection is "(none)".

Watermarks are applied to logical pages. For example, when **Pages per Sheet** is set to "4" and **First Page Only** is turned off, four watermarks appear on the page (one on each logical page).

Click **Edit**, to open the **Watermark Details** dialog box.

Figure 4-11 Watermark Details dialog box



The dialog box shows a preview image and provides options for creating a new watermark and controlling the message angle and font attributes.


Click **OK** to accept all of the changes that are made in the **Watermark Details** dialog box. Clicking **Cancel** does not cancel all of the changes. If you make changes to a watermark, and then select a different watermark or click **New**, all of the changes made to the previous watermark are saved, and only the current, unsaved changes can be canceled.

Current Watermarks

The **Current Watermarks** group box contains a list of available watermarks, both the predefined watermarks made available in the driver and any new watermarks that have been created.

To create a new watermark, click **New**. The new watermark appears in the **Current Watermarks** list and in the **Watermark Message** edit box as "Untitled" until you name it. The name typed in the **Watermark Message** field appears in the **Current Watermarks** group box in the **Watermark Details** dialog box and in the **Watermarks** group box on the **Effects** tab.

To name the new watermark, type the selected watermark text in the **Watermark Message** edit box. To delete a watermark, select the watermark in the **Current Watermarks** list and click **Delete**. A warning appears asking whether you are sure you want to delete the selected item. Click **Cancel** if you want to keep the watermark. Click **OK** to delete the selected watermark.

 **NOTE:** No more than 30 watermarks can be saved in the **Current Watermarks** list at one time. When the limit of 30 watermarks is reached, the **New** button is disabled.

To edit an existing watermark, select the watermark in the **Current Watermarks** list. If you change the **Watermark Message** for that watermark, you are, in effect, creating a new watermark.

Watermark Message

The **Watermark Message** is also the name that identifies the watermark in the **Current Watermarks** list, except when more than one watermark has the same message. For example, several different watermarks can contain the message DRAFT, each with a different typeface or font size. When this occurs, the string is appended with a space, a pound sign, and a number (for example, **Draft #2**). When a number is added, the number two is used first, but if the resulting name is also in the list, then the number increases until the name is unique (**Draft #3**, **Draft #4**, and so on).

Message Angle

Use the controls in the **Message Angle** group box to print the watermark in different orientations in relation to the text on the page. The settings are **Diagonal**, **Horizontal**, or **Angle** (custom). The default is **Diagonal**. All three settings automatically center the watermark string within the page; the selection of a particular setting affects only the angle of the string placement. **Diagonal** places the text along a line that spans the lower-left to upper-right corners of the page. **Horizontal** places the text along a line that spans the mid-left and mid-right edges of the page. **Angle** places the text at the specified angle across the page.

Font Attributes

Use the controls in the **Font Attributes** group box to change the font and the shading, size, and style of the font.

The **Font Attributes** group box contains the following controls:

- **Name** drop-down menu
- **Color** drop-down menu
- **Shading** drop-down menu
- **Size** spin box
- **Style** drop-down menu

Name

The **Name** drop-down menu lists fonts that are currently installed on the system. The default is language-dependent.

Color

The **Color** option is a fixed, unalterable set of color choices for the watermark: **Gray**.

Shading

The default **Shading** setting for new and preset watermarks is **Very Light**. The following range of shades is available from the **Shading** drop-down menu:

- **Lightest**
- **Very Light** (default)
- **Light**
- **Medium Light**
- **Medium**
- **Medium Dark**
- **Dark**
- **Very Dark**
- **Darkest**

These values represent the intensity of the gray that is used. A choice of **Light** produces a lightly saturated gray watermark. A choice of **Lightest** produces the lightest shade of watermark; **Darkest** produces a black watermark.

Size

Font sizes from 1 to 999 points are available from the **Size** menu. The default point size is language-dependent. The choice of **Regular**, **Bold**, **Italic**, and **Bold Italic** is available from the **Style** drop-down menu.

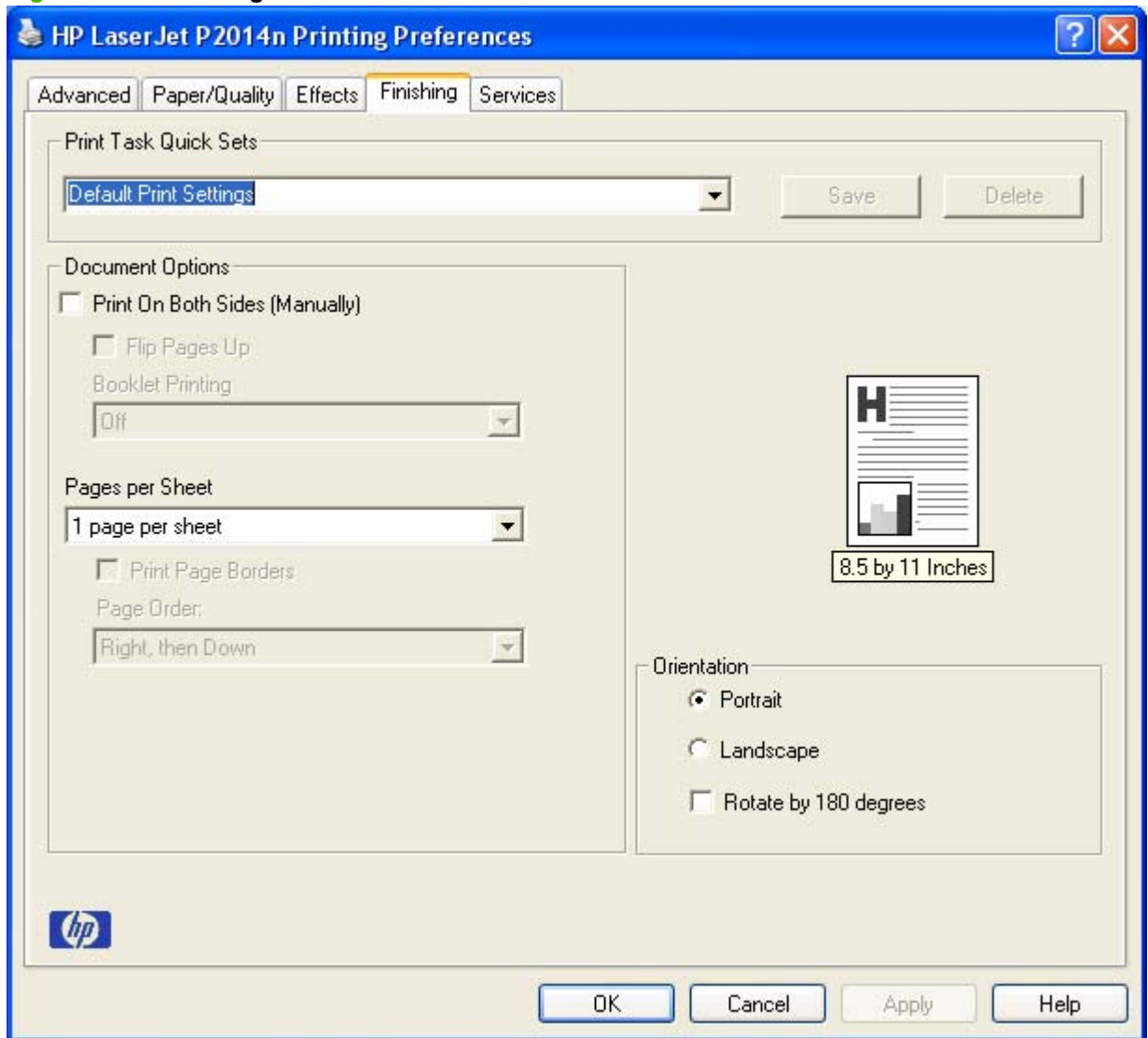
Style

The choice of **Regular**, **Bold**, **Italic**, and **Bold Italic** is available from the **Style** drop-down menu. The default **Style** setting for new and preset watermarks is **Regular**.

Finishing tab features

Use the **Finishing** tab to print booklets and control the media output. The following illustration shows the **Finishing** tab.

Figure 4-12 Finishing tab



The **Finishing** tab contains the following controls:

- [Print Task Quick Sets](#)
- [Document Options](#)
- [Document preview image](#)
- [Orientation](#)

Print Task Quick Sets

Use the **Print Task Quick Sets** control to store the current combination of driver settings that appear on all of the other **Printing Preferences** driver tabs. Print Task Quick Sets are either preset or user-

defined printing specifications, such as paper size and pages per sheet. For more information, see [Print Task Quick Sets on page 78](#).

Document Options

The **Document Options** group box contains the following controls:

- [Print on Both Sides \(Manually\)](#)
- [Flip Pages Up](#)
- [Booklet Printing](#)
- [Pages per Sheet](#)
- [Print Page Borders](#)
- [Page Order](#)

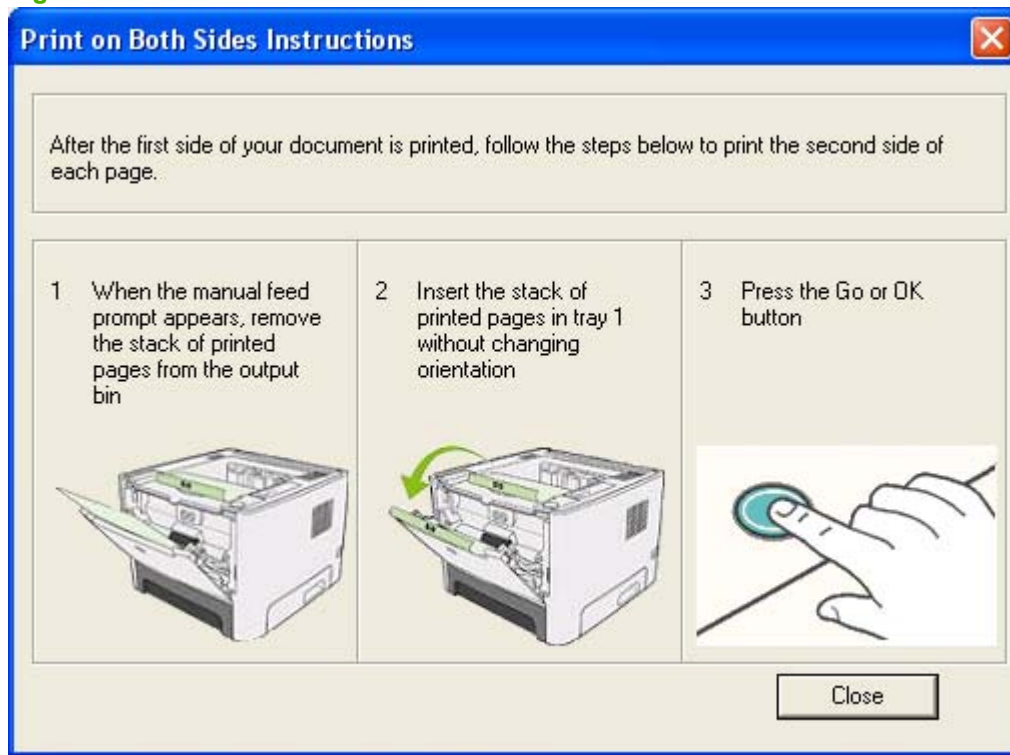
Print on Both Sides (Manually)

 **NOTE:** The **Print on Both Sides (Manually)** check box is unavailable if the **Allow Manual Duplexing** option is disabled on the **Device Settings** tab in the **Properties** tab set.

The default setting for the **Print on Both Sides (Manually)** option is off (not selected). Selecting **Print on Both Sides (Manually)** makes the **Flip Pages Up** and **Booklet Printing** options available.

When a print job is sent to the device with the **Print on Both Sides (Manually)** option selected, the even pages print, and then the following dialog box appears with instructions to complete the manual duplex process.

Figure 4-13 Print on Both Sides Instructions



Flip Pages Up

The **Flip Pages Up** check box, enabled only when **Print on Both Sides (Manually)** is selected, is used to specify the duplex-binding option. By default, the **Flip Pages Up** check box is *not* selected. The following table demonstrates the results of selecting this box, depending on the paper orientation selected on the **Finishing** tab.

Table 4-2 Page orientation

Orientation (Finishing tab)	Flip Pages Up selected	Flip Pages Up not selected
Portrait	Short-edge binding	Long-edge binding
Landscape	Long-edge binding	Short-edge binding

When **Print on Both Sides** is selected, the document preview image changes to show a spiral binding along either the left edge or the top edge of the page. In addition, a folded-over corner appears in the lower-right portion of the preview image, indicating that printing occurs on the back side. An arrow on the folded-over corner points in the direction that the pages would be flipped if they were bound together.

Short-side binding is for print jobs with pages that read by flipping over like the pages of a notepad. Long-side binding is for print jobs with pages that read by turning like the pages of a book.

Booklet Printing

The **Booklet Printing** drop-down menu, visible when **Print on Both Sides** is selected, offers choices that are based on the current paper size. The default setting for the **Booklet Printing** drop-down menu is **Off**.

- **Left Edge Binding**
- **Right Edge Binding**

Selecting **Left Edge Binding** or **Right Edge Binding** changes the document preview image to show the location of the binding. If the **Pages per Sheet** setting is on the default setting of 1, it automatically changes to **2 pages per sheet**. Changing the **Pages per Sheet** setting manually to 4, 6, 9, or 16 pages per sheet disables the booklet setting. See the [Print a booklet on page 96](#) section of this chapter for more information.

The **Booklet Printing** setting is disabled when A6 or B6 (JIS) is selected as the media size, and an incompatibility-error message appears when you click **OK** to close the driver.

Book and booklet printing

The HP LaserJet P2010 Series printer supports book and booklet printing.

A book is a print job consisting of at least two pages that can have a different media type for the first page, other pages, or back cover. Use the **First Page**, **Other Pages**, and **Back Cover** settings on the **Paper/Quality** tab (available when you select the **Use Different Paper/Covers** check box) to select different media for these pages.

A booklet is a print job that places two pages on each side of a sheet that can be folded into a booklet that is half the size of the media type. Use the **Booklet Printing** drop-down menu on the **Finishing** tab to control booklet settings.

Print a booklet

Complete the following steps to print a booklet.

1. Click **File**, click **Print**, and then click **Properties**.
2. Click the **Device Settings** tab and select the **Allow Manual Duplexing** check box.
3. In the **Booklet Printing** drop-down menu on the **Finishing** tab, select the type of booklet printing that you want. For example, **Right Edge Binding**.
4. Click **OK** in the print driver.
5. Click **OK** in the **Print** dialog box to print.

Print a book

You can print a book in which the first page, other pages, and back cover have different media types. For more information, see [Paper/Quality tab features on page 78](#).

Pages per Sheet

Use the **Pages per Sheet** option to select the number of pages to print on a single sheet of media.

If you print more than one page per sheet, the pages appear smaller and are arranged on the sheet in the order that they would otherwise be printed. The **Pages per Sheet** drop-down menu provides the following settings:

- **1 page per sheet** (default)
- **2 pages per sheet**
- **4 pages per sheet**
- **6 pages per sheet**
- **9 pages per sheet**
- **16 pages per sheet**

 **NOTE:** Selecting an option other than **2 pages per sheet** makes booklet printing unavailable.

Print Page Borders

Related controls indented beneath the **Pages per Sheet** edit box are **Print Page Borders** and **Page Order**, which become active when **Pages per Sheet** is greater than 1.

Print Page Borders sets a line around each page image on a printed sheet to help visually define the borders of each logical page.

Page Order

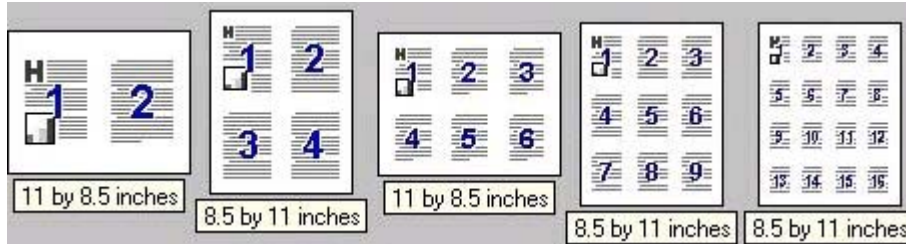
The **Page Order** drop-down menu contains the following selections:

- **Right, then Down**
- **Down, then Right**

- **Left, then Down**
- **Down, then Left**

The preview document image changes to reflect changes in these settings, as shown by the examples in the following illustration.

Figure 4-14 Page-order preview images



- **2 pages per sheet**
- **4 pages per sheet**
- **6 pages per sheet**
- **9 pages per sheet**
- **16 pages per sheet**

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side up. The document preview image appears in the upper-right corner of most **Printing Preferences** driver tabs (the **Paper/Quality**, **Effects**, and **Finishing** tabs).

Switching between tabs does not change the location or appearance of the document preview image. Move the mouse over the document preview image, and the mouse cursor changes from an arrow to a gloved hand. Toggle between portrait and landscape page orientation by clicking on the image.

Orientation

The **Orientation** group box contains the following options:

- **Portrait**
- **Landscape** option button
- **Rotate by 180 degrees** check box

Portrait

Select this option to print the document in **Portrait** orientation. This is the default setting.

Landscape

Select this option to print the document in **Landscape** orientation.

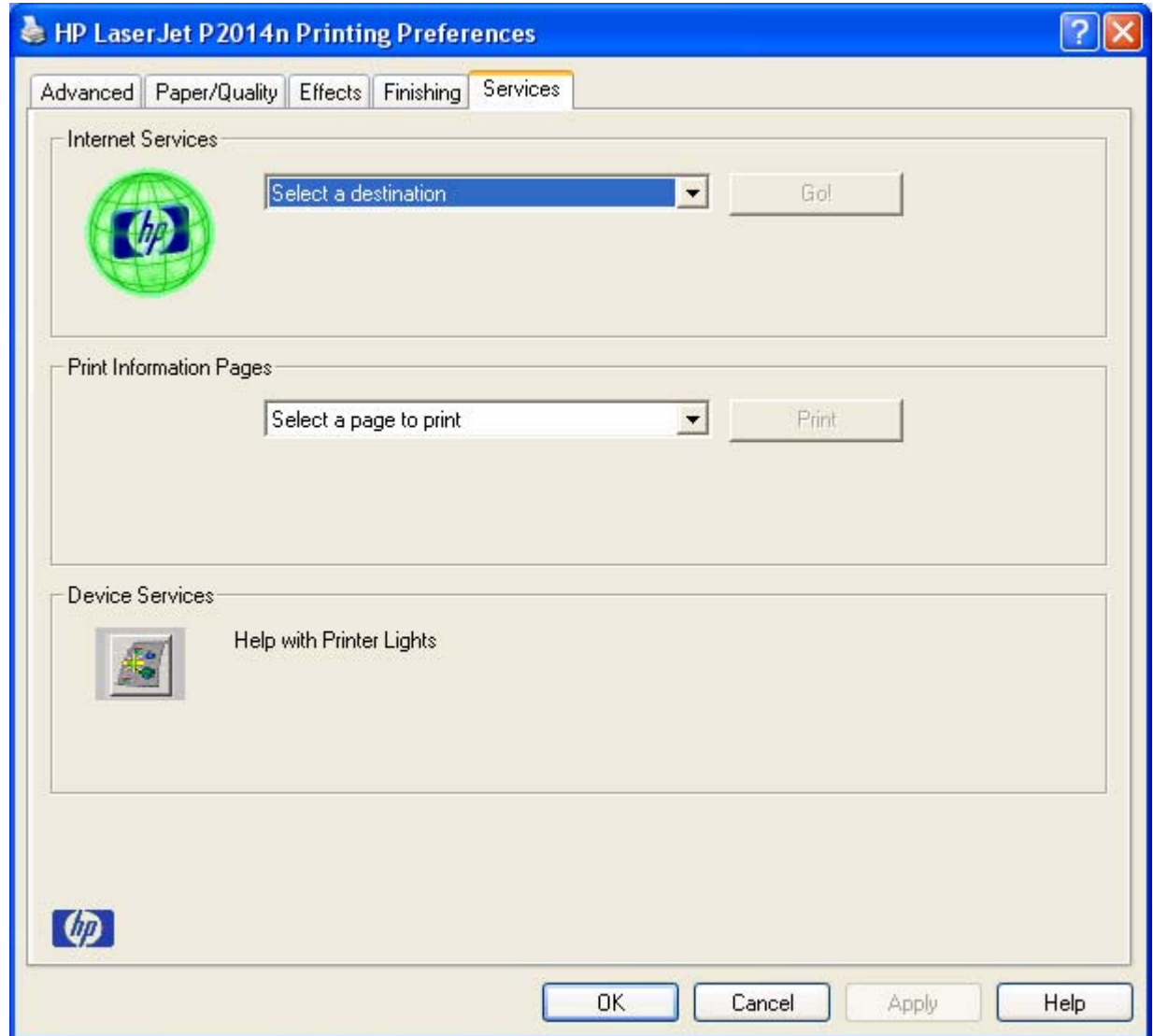
Rotate by 180 degrees

Select this option to rotate the document image on the paper 180°. For example, if the return address on an envelope is smudged, try using this setting and feeding the envelope so that the return address area is fed into the device first.

Services tab features

Use the **Services** tab to gain access to Internet services for the device, to print information pages for the device, and to gain access to help with the printer lights. The following illustration shows the **Services** tab.

Figure 4-15 Services tab



The **Services** tab contains the following controls:

- [Internet Services](#)
- [Print Information Pages](#)
- [Device Services](#)

Internet Services

The **Internet Services** control contains the **Select a destination** drop-down menu with the following options:

- **Support and Troubleshooting**
- **Product Manuals**
- **Check for Driver Updates**
- **Shop for Supplies**

If you have Internet access, select any of these options and then click **Go!** to open the corresponding HP Web page.

Print Information Pages

The **Print Information Pages** control contains the **Select a page to print** drop-down menu with the following options:

- **Demo Page**
- **Config Page**
- **Supply Status Page**

Select any of these options and then click **Print** to print the corresponding information page.

Device Services

The **Device Services** control contains the **Help with Printer Lights** icon. Click on the icon to open a Web page that contains information about the device lights.

Properties tab set

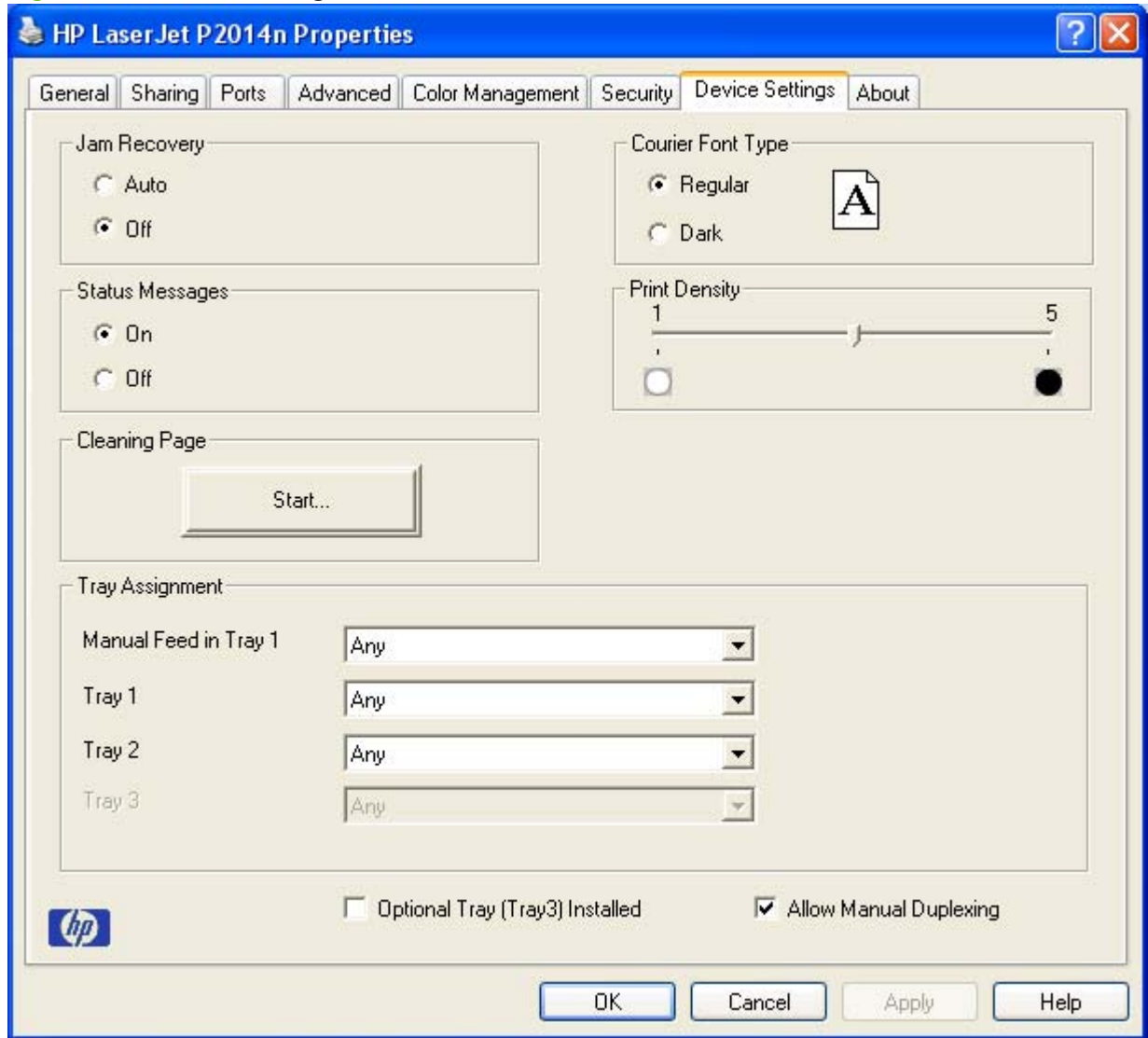
Topics:

- [Device Settings tab features](#)
- [About tab features](#)

Device Settings tab features

Use the **Device Settings** tab to control driver behavior and driver connections. The following illustration shows the **Device Settings** tab.

Figure 4-16 Device Settings tab



Jam Recovery

Select **Auto** to reprint a page if a paper jam occurs. Select **Off** to not reprint a page if a paper jam occurs. **Off** is the default setting.

 **NOTE:** Jobs print faster when **Auto** is selected.

Status Messages

Select **On** to allow error messages to display on the computer screen during error conditions. Select **Off** to not allow error messages to display on the computer screen during error conditions. **On** is the default setting.

 **NOTE:** The paper-out message still appears when **Off** is selected.

Cleaning Page

Click **Start...** to print a cleaning page.

Courier Font Type

Select **Regular** to print any text by using TrueType Courier or Courier New with normal weight. Select **Dark** to print any text by using TrueType Courier or Courier New with a dark weight but without changing the font attributes in a program. **Regular** is the default setting.

Print Density

Use this control to specify how much toner is put on the page. **3** is the default setting.

Tray Assignment

Use these controls to specify the media type for each tray on the device.

Optional Tray (Tray 3) Installed

Select this setting if the device has an optional tray 3 installed. When this setting is selected, the **Tray 3** option becomes available in the **Tray Assignment** control, and **Tray 3** appears in the **Source is:** drop-down menu in the **Paper Options** settings on the **Paper/Quality** tab.

Allow Manual Duplexing

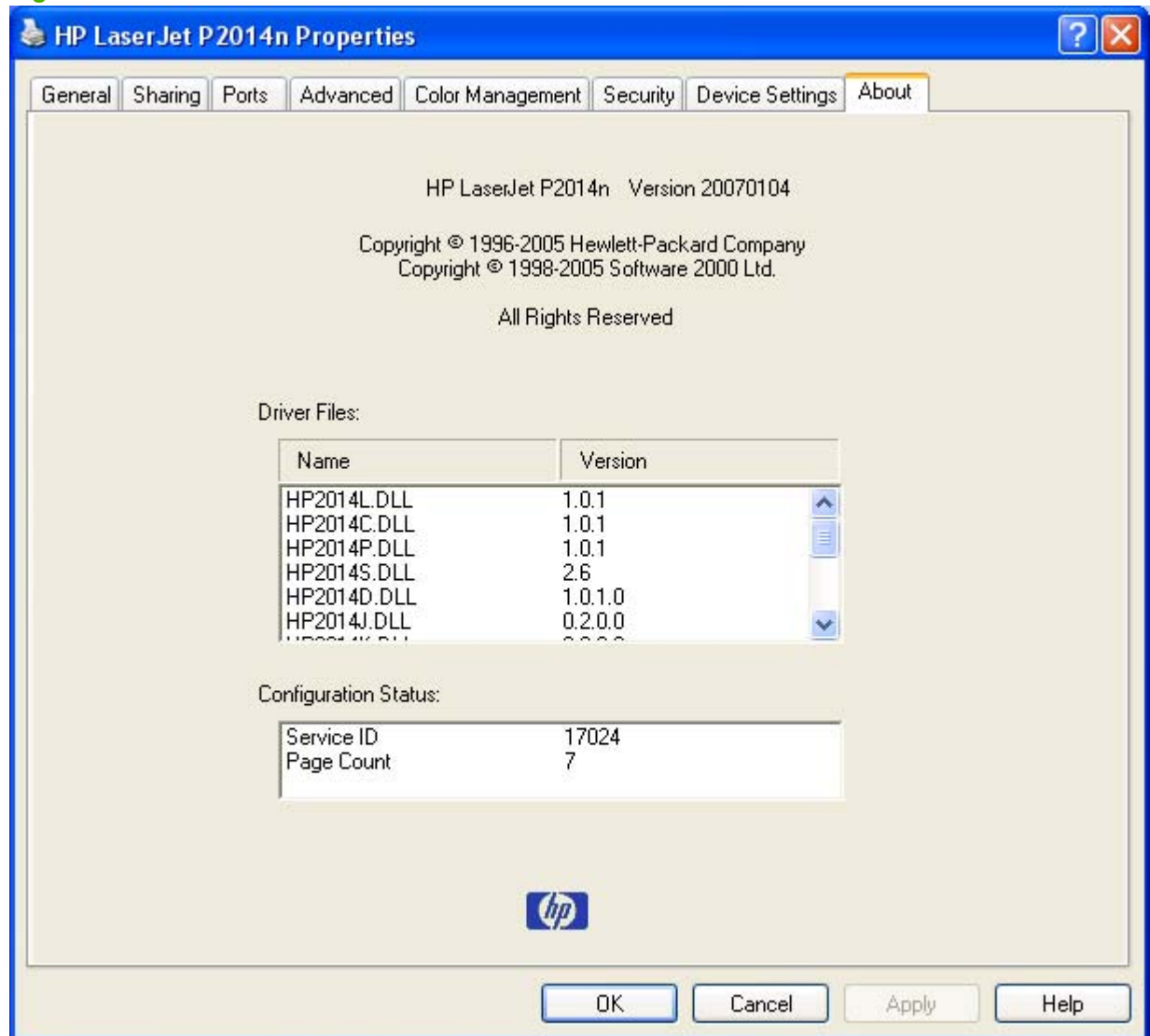
Use this setting to allow printing on both sides of a page using manual two-sided printing. This option is selected by default.

About tab features

The **About** tab provides detailed information about the driver. It contains an overall build number after the model name, and specific information about each of the components. The information varies

according to the HP LaserJet P2010 Series printer model, driver, date, and version numbers. The following illustration shows the **About** tab.

Figure 4-17 About tab



Driver Files

The **Driver Files:** box lists driver installation file names and their version numbers.

Configuration Status

The **Configuration Status:** box lists the Service ID number and the page count.

5 Macintosh software and utilities

Introduction

The HP LaserJet P2010 Series printer comes with printing software and installers for Apple Computer, Inc., Macintosh operating systems.

Topics:

- [Macintosh printing-system software](#)
- [Macintosh install and uninstall instructions](#)
- [HP Embedded Web Server \(EWS, network-ready models only\)](#)

Macintosh printing-system software

The printing-system software for the HP LaserJet P2010 Series printer comes in-box on a single CD. On Macintosh OS v10.2.X - v10.5 systems, the HP LaserJet Installer for Macintosh installs the HP LaserJet P2010 Series printing-system software from the CD onto the hard disk. The HP LaserJet Installer for Macintosh installs only the HP LaserJet P2010 Series printing-system software on the current system startup drive that contains the active System folder. By default, the HP LaserJet P2010 Series printing-system software is installed in the Library folder. Additionally, an HP-supplied Macintosh printer device configuration utility is provided, which allows the user to access the printer's embedded web server (EWS) to allow for additional configuration and printer status monitoring. The following are provided on the installation CD:

- The HP LaserJet Installer for Macintosh
- The HP LaserJet P2010 Series User Guide (.PDF format)

The following major components are installed by the HP LaserJet Installer for Mac:

- Macintosh drivers
- HP USB EWS Gateway
- HP Device Configuration Utility
- HP Uninstaller for the HP Device Configuration Utility and HP USB EWS Gateway

Topics:

- [Hardware requirements](#)
- [Operating-system support](#)
- [Availability](#)

Hardware requirements

The HP LaserJet P2010 Series printing-system software has the following minimum system requirements:

- Macintosh OS X (version 10.2.x and later)
- Macintosh computer (Power PC processor), such as an iMac, Power Macintosh G3 and higher (Power Macintosh G4 233 MHz recommended)
- Minimum 128 MB system memory. An additional 32 MB of available memory is optimal for installation.
- 150 MB or more of available hard-disk space
- A USB port, or an ethernet connection using on-board networking (network-ready models only)
- CD-ROM drive or internet connection

Operating-system support

Mac OS X v10.2.x, v10.3.x, v10.4.x, and v10.5 are supported.



NOTE: Mac OS 9 and Mac OS X classic are *not* supported.

Availability


This STR provides information about the availability of the HP LaserJet P2010 Series printing-system software and related software and firmware. Printing-system software on a CD is available from HP fulfillment centers.

Topics:

- [Printing-system software on the Web](#)
- [In-box printing-system software CDs](#)

Printing-system software on the Web

Almost all software that is contained on the installation CD is also available on the Web.

 **NOTE:** Print drivers for Windows 98 SE and Windows NT 4.0 (parallel-port connection only) are *not* available on the Web.

Web deployment is the preferred method for obtaining the latest software. The Web site offers an option for automatic e-mail notification about new software releases.

 **NOTE:** This STR describes drivers that are shipped on the printing-system software CD that comes with the device. This STR does *not* describe drivers that will become available on the Web.

Topics:

- [Printing-system software](#)
- [Software component availability](#)

Printing-system software

The HP LaserJet P2010 Series printing-system software is available for download at the following Web site:

www.hp.com/go/LJP2010series_software

Software component availability

The following HP LaserJet software components are installed:

- Macintosh drivers
- HP USB EWS Gateway
- HP Device Configuration Utility
- HP Uninstaller for the HP Device Configuration Utility and HP USB EWS Gateway

In-box printing-system software CDs

The software CD for the HP LaserJet P2010 Series printer contains the files for installing the printing-system software on the computer.

Topics:

- [Macintosh partition](#)

- [CD versions](#)

Macintosh partition

The HP LaserJet P2010 Series printing-system software CD is divided into two partitions, one for each of the following operating systems:

- MS Windows
- Macintosh

The HP Macintosh printing-system software files all reside in the Macintosh partition. The HP LaserJet Installer for Macintosh is at the root of the Macintosh CD partition. The user manuals (in PDF format) are grouped by language and are under the Documents directory on the Macintosh CD partition.

CD versions

The software CD for the HP LaserJet P2010 Series printer contains the files for installing the printing-system software on the computer.

The HP LaserJet P2010 Series printing-system software CD for Macintosh is available in two versions, each of which contains printing-system documentation in various languages, as follows:

- **CD AP– Asia Pacific (part number CB450A-60102):**
 - EN = English
 - ID = Bahasa (Indonesian)
 - KO = Korean
 - TH = Thai
 - VI = Vietnamese
 - ZHCN = Simplified Chinese
 - ZHTW = Traditional Chinese
- **CD ROW – Rest Of World (part number CB450A-60103):**
 - EN = English
 - AR = Arabic
 - ES = Spanish (Español)
 - PT = Brazilian Portuguese (Português)
 - CA = Catalan (Català)
 - DA = Danish (Dansk)
 - NL = Dutch (Nederland)
 - FI = Finnish (Suomi)
 - FR = French (Français)
 - DE = German (Deutsch)

- IT = Italian (Italiano)
- NO = Norwegian (Norsk)
- SV = Swedish (Svenska)
- BG = Bulgarian
- HR = Croatian
- CS = Czech (Cesky)
- EL = Greek
- HU = Hungarian (Magyar)
- KK = Kazakh
- PL = Polish (Polski)
- RO = Romanian
- RU = Russian
- SR = Serbian
- SK = Slovak
- SL = Slovenian
- TR = Turkish
- UK = Ukranian
- HE = Hebrew
- ET = Estonian
- LV = Latvian
- LT = Lithuanian

Macintosh install and uninstall instructions

The HP LaserJet P2010 Series printer comes with software and installers for MS Windows and Apple Computer, Inc., Macintosh systems. This document provides procedures for installing and removing the HP LaserJet P2010 Series printing-system software for Macintosh operating systems.

Topics:

- [Macintosh component descriptions](#)
- [Install the Macintosh printing system](#)
- [Uninstall the Macintosh printing system](#)

Macintosh component descriptions

The device includes the following software for Macintosh computers:

- Macintosh drivers
- HP USB EWS Gateway
- HP Device Configuration Utility
- HP Uninstaller for the HP Device Configuration Utility and HP USB EWS Gateway

Topics:

- [Macintosh drivers](#)
- [HP Embedded Web Server \(network-ready models only\)](#)
- [Install notes \(Readme file\)](#)
- [Online help](#)

Macintosh drivers

The Macintosh drivers (for Mac OS X V10.2.x and later only) provide access to device features, such as number of copies, duplexing, and quality settings.

HP Embedded Web Server (network-ready models only)

Mac OS X supports the HP Embedded Web Server (HP EWS). Use the HP EWS to perform the following tasks:

- View the device status and change device settings.
- View and change network settings for the device.
- Print information pages for the device.
- View the device event log.

The HP EWS is accessed by using a web browser such as Safari. The HP USB EWS Gateway software allows the web browser access to the device if the device is connected using a USB cable. The HP EWS can also be opened by choosing the **Utility** button in the Macintosh Print Center or Printer Setup Utility, or through the HP Device Configuration utility.

Install notes (Readme file)

This text file contains information about basic device installation and OS support.

Online help

The help system is in English only, and can be viewed through a browser or in the Macintosh OS Help Center.

Install the Macintosh printing system

On a Macintosh computer, the installation procedures are basically the same for a network administrator, a network client, and a single user. Install the software on any computer that has access rights to the printer. The computer user must also have administrative rights on the computer in order to install the software.

Topics:

- [Installation options](#)
- [General installation for Macintosh operating systems](#)
- [Detailed Mac OS X installation](#)
- [Printer setup](#)

Installation options

The HP LaserJet P2010 Series printing-system software can be used in the following configurations:

- The computer is directly connected to the device through a USB or parallel port, and the HP LaserJet P2010 Series printing-system software is loaded on the computer.
- The device is networked by using on-board networking through Bonjour (network-ready models only).

General installation for Macintosh operating systems

Topics:

- [Installation instructions for direct connections](#)
- [Installation instructions for networked computers \(network-ready models only\)](#)

Installation instructions for direct connections

If you are connecting the device to a computer using the USB cable or the parallel cable, install the software *before* connecting the cable.


1. Insert the Macintosh printing-system software CD into the CD-ROM drive.
2. Run the installer CD.
3. Open the **Printer Setup Utility** by clicking **HD**, clicking **Applications**, clicking **Utilities**, and then clicking **Printer Setup Utility**.

4. Verify that the device has been set up automatically. If the HP LaserJet P2010 Series printer appears in the list of printers, go to step 9. If the HP LaserJet P2010 Series printer does *not* appear in the list of printers, go to step 5.
5. In the **Printer Setup Utility**, click **Add**.
6. In the **Printer List** box, click **USB**.
7. In the **Printer Model** box, click **HP LaserJet P2010 printer**, and then click **Add**.
8. In the **Printer Setup Utility**, click **HP LaserJet P2010 printer**, and then click **Make Default**.
9. Print a page from any program to make sure that the software is correctly installed.


Installation instructions for networked computers (network-ready models only)

If you are connecting the device to a network, connect the network cable to the printer network port (network-ready models only).

1. The HP LaserJet P2010 printer has on-board networking available for network connection. For a 10/100 Base-T network, connect a twisted-pair network cable between the device and an active network port.
2. Print a Configuration Report page.
3. For the OS X Bonjour feature, locate the mDNS Name under the Network Setting heading on the Configuration Report page.

 **NOTE:** 'Bonjour' is found in Mac OS v 10.4.x. Mac OS 10.2.x and 10.3.x referred to the same technology as 'Rendezvous'.

4. Insert the Macintosh printing-system software CD into the CD-ROM drive.
5. Run the installer CD.
6. Open the **Printer Setup Utility** by clicking the icon at the bottom of the screen, or by clicking **HD**, clicking **Applications**, clicking **Utilities**, and then clicking **Printer Setup Utility**.
7. Click **Add**, and choose **Bon Jour** from the drop-down list. Then find and click the mDNS name for the device, and then click **Add**.
8. Print a page from any program to make sure that the software is correctly installed

 **NOTE:** If the installation fails, reinstall the software. If the reinstallation fails, see the *Hewlett-Packard LaserJet P2010 Series Install Notes* on the HP LaserJet 2010 printing-system software CD, see the flyer that came in the box with the device, or go to the following Web site for help or more information:

www.hp.cpm/support/LJP2010

Detailed Mac OS X installation

Topics:

- [Main Install dialog sequence](#)

Main Install dialog sequence

This section provides information about the Macintosh installation dialog-box sequence for the Easy Install (the typical installation option).

NOTE: If you are installing the printer using a network connection, you can connect the printer to the network before installing the software, but if you are installing the printer using a USB or parallel connection, install the software *before* connecting the USB cable or the parallel cable.

Insert the HP LaserJet P2010 Series printing-system software CD in the CD-ROM drive.

If the CD screen does not open automatically when the CD is put into the CD-ROM drive, double-click the **HP LaserJet P2010 Series** CD-ROM icon on the desktop to open the installer folder.

Figure 5-1 HP LaserJet P2010 Series CD-ROM icon



The **HP LaserJet Software** dialog opens.

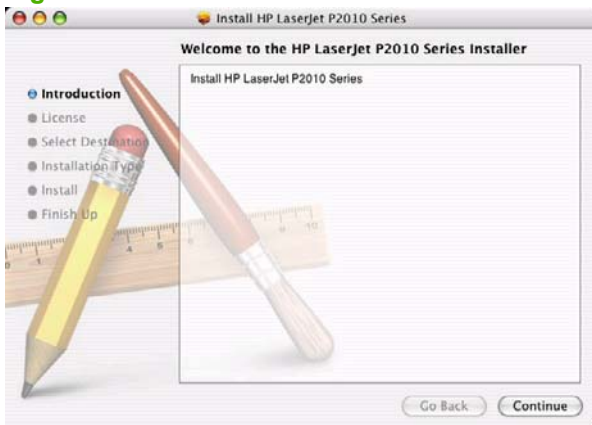
Figure 5-2 hp LaserJet Software screen



Double-click the **HP LaserJet P2010 Series.pkg** icon. This begins the install process.

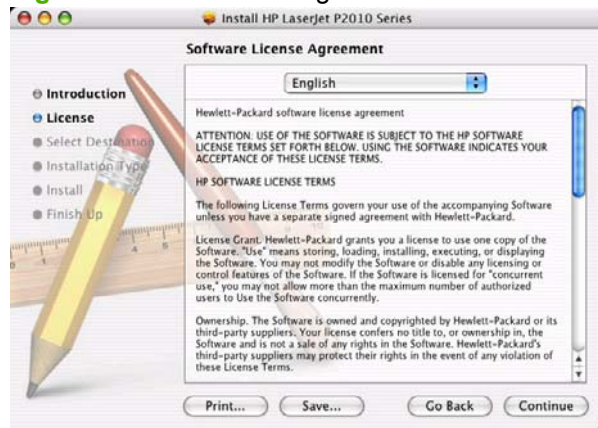
The **Welcome to the HP LaserJet P2010 Series Installer** dialog appears.

Figure 5-3 Welcome to the HP LaserJet P2010 Series Installer dialog



Click **Continue**. The **License** dialog appears.

Figure 5-4 License dialog

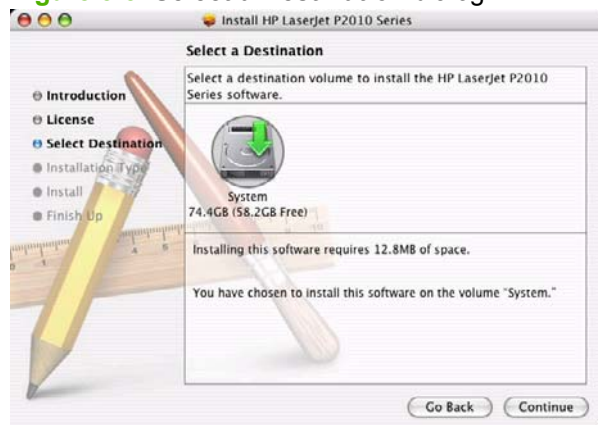


Click **Print...** to open the **Page Setup** dialog for the default printer and print a copy of the license agreement.

Click **Save...** to open the system **Save** dialog and save the license agreement to disk.

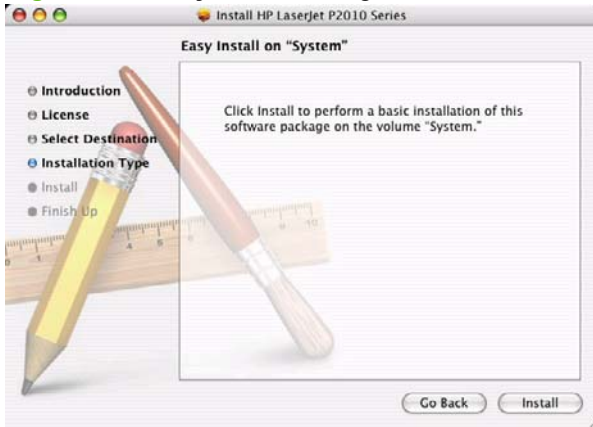
Read the software-license agreement and then click **Continue** to continue the installation. A dialog appears, asking you to accept the license agreement. Click **Agree** to accept the agreement. The **Select a Destination** dialog appears. Click **Decline** to end the installation process and close the installer.

Figure 5-5 Select a Destination dialog



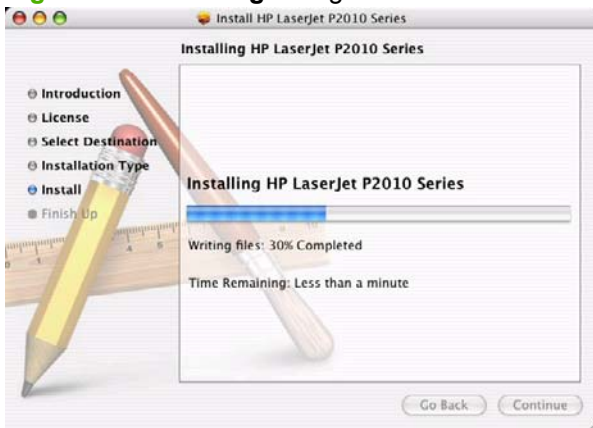
Click **Continue**. The **Easy Install** dialog appears.

Figure 5-6 Easy Install dialog



Click **Install** to start the installation on the selected disk. The printing system files are installed in the main Library folder on the Macintosh hard drive. If installed, the HP Device Configuration Utility is installed under the Application directory in a directory labeled **HP EWS Device Configuration**. An uninstaller utility for the Device Configuration utility is also installed in this directory.

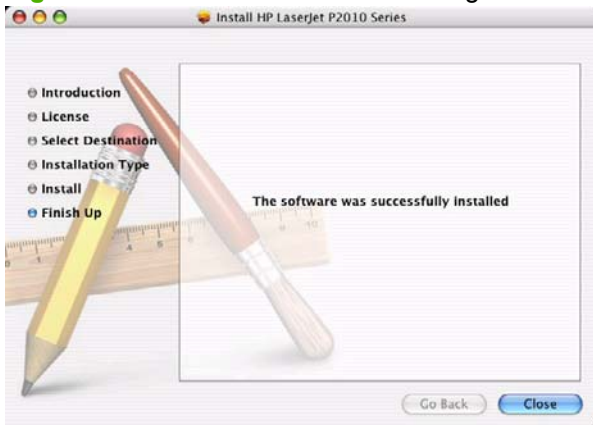
Figure 5-7 Installing dialog



The **Installing** dialog shows installation progress. No action is required.

A dialog stating that the installation was successful appears.

Figure 5-8 Installation success message



Click **Close** to exit the installer.

Printer setup

After installing the printing-system software in Macintosh operating systems, the printer must be set up.

Topics:

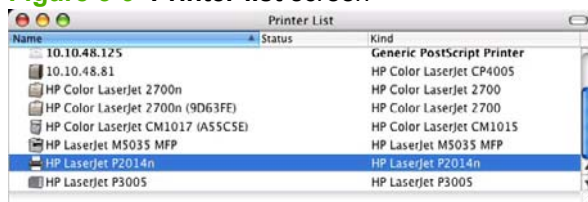
- [Set up a printer with Mac OS X V10.4.x](#)
- [Set up a printer with Mac OS X V10.3.x](#)
- [Set up a printer with Mac OS X V10.2.x](#)
- [Troubleshooting the printer setup](#)

Set up a printer with Mac OS X V10.4.x

Carry out these steps *after* the software installation is complete.

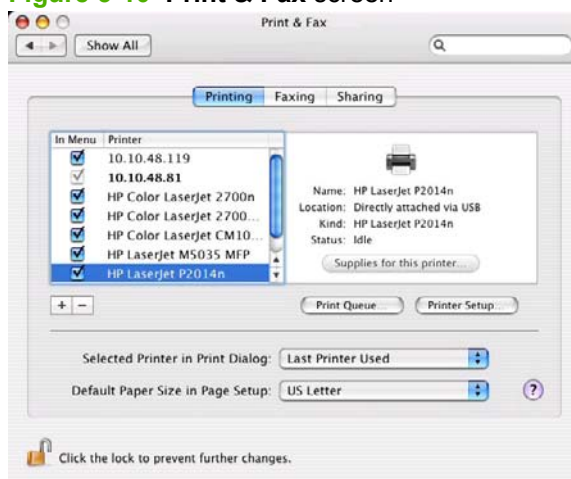
1. If you are installing the printer using a USB or parallel connection, connect the USB cable or the parallel cable between the HP LaserJet P2010 Series printer and the computer. Turn on the printer. If you are installing using a network connection, verify that the network cable is connected to the printer and the printer is on.
2. In the **Applications** folder, open the **Utilities** folder, and then run the **Printer Setup Utility**. The **Printer List** appears. It looks similar to the one shown in the following figure.

Figure 5-9 Printer list screen



You can also configure the printer using the **Print & Fax** pane of **System Preferences** (from the Apple menu, choose **System Preferences...**, then choose **Print & Fax**).

Figure 5-10 Print & Fax screen



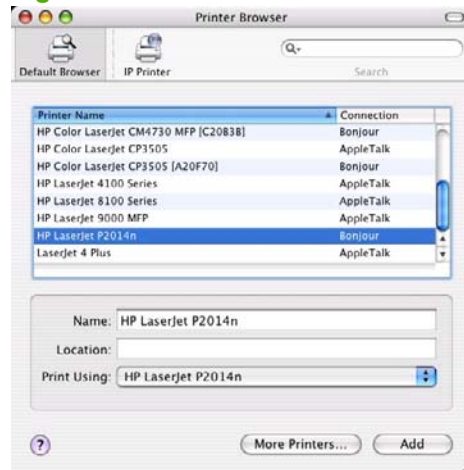
3. If you are installing the printer using a USB or parallel connection, verify that the printer appears on the printer list. The **Kind** column in the printer list should display **HP LaserJet P2010 Series**. If this is the case, the setup is complete.

If the printer does not appear, or if the correct information does not appear in the **Kind** column, see [Troubleshooting the printer setup on page 117](#).

If you are installing the printer using a network connection, continue with the following steps.

4. Click **Add** (or the **+** button in the Print & Fax utility) to open the Printer Browser screen.
5. Use Bonjour for the network connection. Carry out the following steps:
 - a. Click the **Default Browser** tab.

Figure 5-11 Default Browser tab



- b. Select the HP LaserJet P2010 Series printer from the list. The software verifies that the printer is connected to the network and the **Print Using** field is automatically populated with the correct driver for the printer.

NOTE: If the HP LaserJet P2010 Series printer does not appear in the list, verify that the printer is on and connected to the network, then try turning the printer off and then on again. If the **HP LaserJet P2010 Series** driver does not appear in the **Print Using** pull-down list, turn the computer off and then on again, then restart the setup process. For more troubleshooting information, see [Troubleshooting the printer setup on page 117](#).

6. Click **Add**. The device name appears in the **Printer List** and the setup is complete.

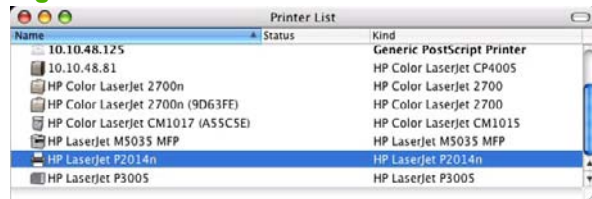
Figure 5-12 Printer List screen



Set up a printer with Mac OS X V10.3.x

1. If you are installing the printer using a USB or parallel connection, connect the USB cable or parallel cable between the HP LaserJet P2010 Series printer and the computer. Turn on the printer. If you are installing using a network connection, verify that the network cable is connected to the printer and the printer is on.
2. In the **Applications** folder, open the **Utilities** folder, and then run the **Printer Setup Utility**.

Figure 5-13 Printer List screen




You can also configure the printer using the **Print & Fax** pane of **System Preferences** (from the Apple menu, choose **System Preferences...**, then choose **Print & Fax**).

3. If you are installing the printer using a USB or parallel connection, verify that the printer appears on the printer list. (In the Print & Fax screen, click the **Set Up Printers...** button to see the printer list.) The **Kind** column in the printer list should display **HP LaserJet P2010 Series**. If this is the case, the setup is complete.

If the printer does not appear, or if the correct information does not appear in the **Kind** column, see [Troubleshooting the printer setup on page 117](#).

If you are installing the printer using a network connection, continue with the following steps.

4. Click **Add** (or the **Set Up Printers...** button in the Print & Fax screen, and then **Add**) to open the add printer screen.
5. Select the **Rendezvous** network connection protocol in the top pull-down menu.
6. Select the HP LaserJet P2010 Series printer in the **Name** list. The **Printer Model** and **Model Name** are selected automatically.

 **NOTE:** If the HP LaserJet P2010 Series printer does not appear in the list, verify that the printer is powered on and connected to the network. If it still does not appear, try turning the printer off and then on again. Finally, turn the computer off and then on again, then restart the setup process. For more troubleshooting information, see [Troubleshooting the printer setup on page 117](#).

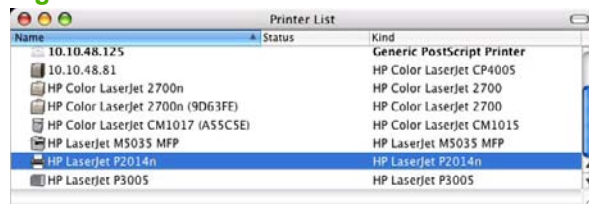
7. Click **Add**. The HP LaserJet P2010 Series printer appears in the **Printer List**.

Set up a printer with Mac OS X V10.2.x


1. If you are installing the printer using a USB or parallel connection, connect the USB cable or parallel cable between the HP LaserJet P2010 Series printer and the computer. Turn on the printer. If you are installing using a network connection, verify that the network cable is connected to the printer and the printer is on.

2. In the **Applications** folder, open the **Utilities** folder, and then run the **Print Center**.

Figure 5-14 Print Center screen




3. If you are installing the printer using a USB or parallel connection, verify that the printer appears on the printer list. The **Kind** column in the printer list should display **HP LaserJet P2010 Series**. If this is the case, the setup is complete.

 **NOTE:** If the **Kind** column does not appear in the printer list, go to the **View** menu, and choose **Columns** and then **Kind**.

If the printer does not appear, or if the correct information does not appear in the **Kind** column, see [Troubleshooting the printer setup on page 117](#).

If you are installing the printer using a network connection, continue with the following steps.

4. Click **Add** to open the add printer screen.
5. Select the **Rendezvous** network connection protocol in the top pull-down menu.
6. Select the HP LaserJet P2010 Series printer in the **Name** list. The **Printer Model** and **Model Name** are selected automatically.

 **NOTE:** If the HP LaserJet P2010 Series printer does not appear in the list, verify that the printer is powered on and connected to the network. If it still does not appear, try turning the printer off and then on again. Finally, turn the computer off and then on again, then restart the setup process. For more troubleshooting information, see [Troubleshooting the printer setup on page 117](#).

7. Click **Add**. The HP LaserJet P2010 Series printer appears in the **Printer List**.

Troubleshooting the printer setup

If the printer does not appear in the printer list after an installation:

Carry out each one of these solutions in the order given, and restart the setup process after each one to see if the issue has been resolved.

- Verify that the USB, parallel, or network cable is connected between the printer and the computer and that the printer is powered on.
- Try disconnecting and reconnecting the cable. If the computer has more than one USB port, try a different USB port.
- Turn the printer off and then back on again.
- Turn the computer off and then back on again.
- If you are using a USB hub on the computer, disconnect the other USB devices from the hub.

Uninstall the Macintosh printing system

Follow these instructions to uninstall the Macintosh Printing System.

1. Browse to **Library/Printers/HP/LASERJET/HP2014** folder.
2. Delete the following files:
 - HP LaserJet Utility
 - HP 2014PDE.Plugin
 - HP 2014PM.Plugin
3. Empty the **Trash**.

HP Embedded Web Server (EWS, network-ready models only)

The HP EWS is embedded in the device firmware. It is a series of web pages that provide access to additional printer status and configuration tools options.


Topics:

- [Access to the HP EWS](#)
- [Status](#)
- [Settings](#)
- [Networking](#)

Access to the HP EWS

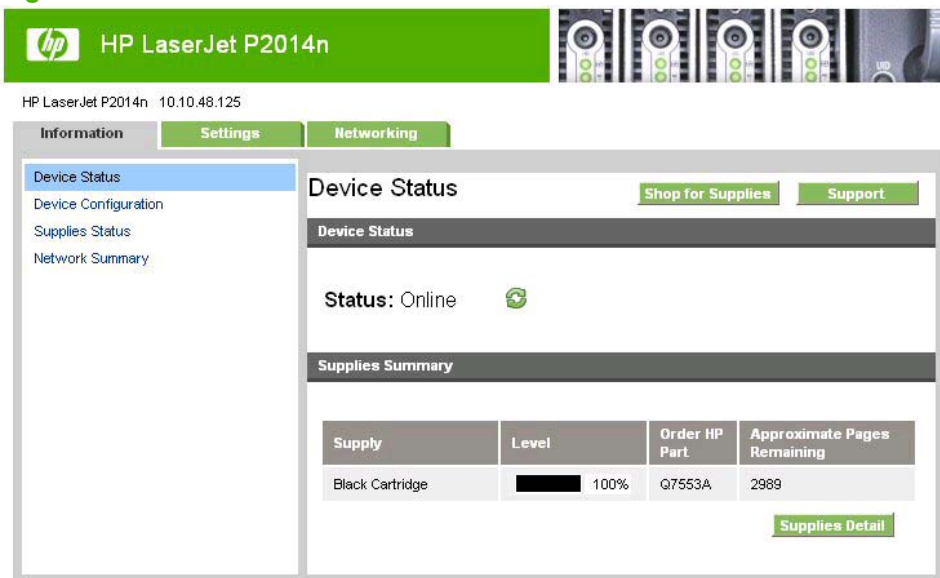
Use any one of the following methods to gain access to the HP EWS:

- **Using the Mac OS Print Center, Printer Setup Utility, or Print & Fax screen:**
 1. In the **Applications** folder, open the **Utilities** folder, and then run the **Printer Setup Utility** or the **Print Center** utility. You can also access the HP EWS using the **Print & Fax** pane of **System Preferences** (from the Apple menu, choose **System Preferences...**, then choose **Print & Fax**).
 2. Select the HP LaserJet P2010 Series printer, and then click **Utility** (Mac OS X V10.3 or later). The web browser opens and the **Device Status** screen appears. In the **Print & Fax** screen, select the HP LaserJet P2010 Series printer, click the **Print Queue...** button, then click **Utility**.
- **Using a web browser:**

 **NOTE:** This method can only be used if the printer is using a network connection.

1. On the printer, press and hold in the green button for eight seconds, or until you see the LEDs above the button start to blink. The printer prints out the configuration pages.
 2. On the first configuration page, under **Product Settings**, find the IP Address. Type this address into a web browser such as Safari. The **Device Status** screen appears.
- **Using the HP Device Configuration application:**
 1. In the Applications folder, open the HP EWS Device Configuration folder. Run the HP Device Configuration application.
 2. Select the HP LaserJet P2010 Series printer from the list of devices. The web browser opens and the **Device Status** screen appears.

Figure 5-15 Device Status screen



The following sections describe the screens and features that are available in the HP EWS.

Status

Use the **Status** tab to access and print detailed information regarding device and supply status, device configuration, network configuration, and usage.

The **Status** tab contains the following pages:

- [Device Status](#)
- [Device Configuration](#)
- [Supplies Status](#)
- [Network Summary](#)

Device Status

The **Device Status** page shows device status messages. The **Device Status** page also shows some pertinent device information and device settings.

Figure 5-16 HP EWS – Device Status page

HP LaserJet P2014n 10.10.48.125

Information Settings Networking

Device Status
Device Configuration
Supplies Status
Network Summary

Device Status

[Shop for Supplies](#) [Support](#)

Device Status

Status: Online

Supplies Summary

Supply	Level	Order HP Part	Approximate Pages Remaining
Black Cartridge	100%	Q7553A	2989

[Supplies Detail](#)

Device Configuration

The **Device Configuration** page shows the values of all of the settings that are available in the device. The contents of this page are consistent with the configuration page that the firmware generates.

Figure 5-17 HP EWS – Device Configuration page

The screenshot displays the HP Embedded Web Server (EWS) interface for an HP LaserJet P2014n printer. The page is titled "Device Configuration" and includes a navigation menu on the left with options like "Device Status", "Device Configuration", "Supplies Status", and "Network Summary". The main content area is divided into several sections:

- Product Information:** A table listing key identifiers and specifications.
- Installed Personalities and Options:** A section for printer personalities.
- Page Counts:** A table showing usage statistics.
- Print Settings:** A table of adjustable printer parameters.

Product Information	
Formatter Number:	LX0005B
Product Serial Number:	p2014n
Service ID:	17024
Firmware Datecode:	20061117
Total Memory:	33 MBytes
Available Memory:	21 MBytes
Max Monochrome Print Quality:	FastRes 1200
Host Name:	NP1959B6B
Hardware Address:	0017A4959B6B
IPv4 Address:	10.10.48.125
IPv6 Address:	FE80:0:0:0:217:A4FF:FE95:9B6B

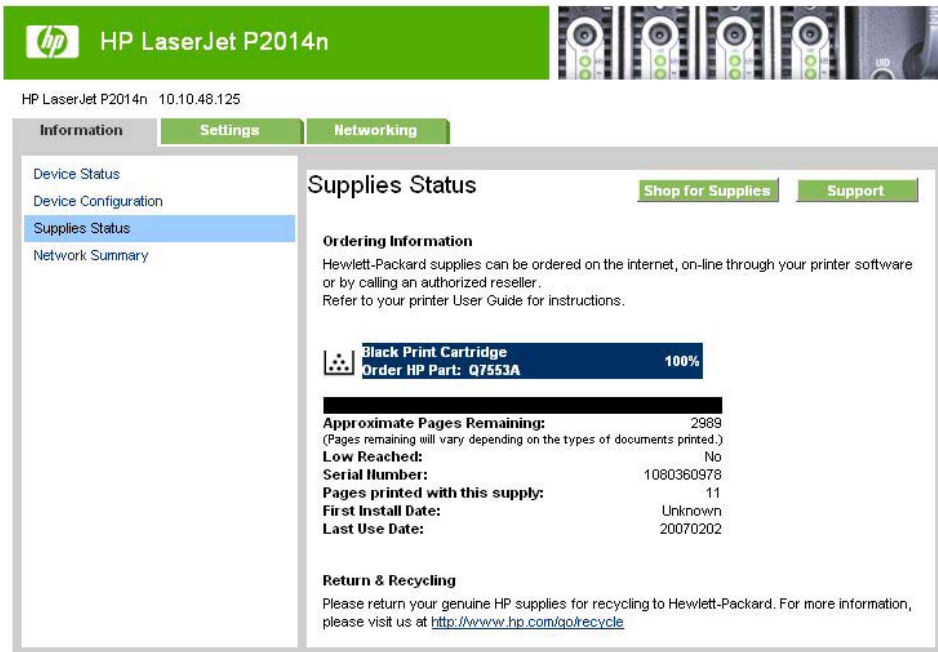
Page Counts	
Total Pages Printed:	12
Total Input Jams:	0
Total Output Jams:	0
Total Cartridge Jams:	2
Narrow Media Page Count:	0
Pages per Job:	1

Print Settings	
Jam Recovery:	Off
Auto Continue:	Off
IO Timeout:	120
Symbol Set:	PC8
Font:	0
Default Paper Size:	Letter
Manual Feed Tray Size:	Any
Tray 1 Size:	Any
Tray 2 Size:	Any
Economode:	Off
Print Density:	3

Supplies Status

The **Supplies Status** page shows the status of all of the device supplies, including the print cartridges.

Figure 5-18 HP EWS – **Supplies Status** page



HP LaserJet P2014n 10.10.48.125


Information Settings Networking

Device Status
Device Configuration
Supplies Status
Network Summary

Supplies Status

[Shop for Supplies](#) [Support](#)

Ordering Information
Hewlett-Packard supplies can be ordered on the internet, on-line through your printer software or by calling an authorized reseller.
Refer to your printer User Guide for instructions.

 **Black Print Cartridge** 100%
Order HP Part: Q7553A

Approximate Pages Remaining: 2989
(Pages remaining will vary depending on the types of documents printed.)
Low Reached: No
Serial Number: 1080360978
Pages printed with this supply: 11
First Install Date: Unknown
Last Use Date: 20070202

Return & Recycling
Please return your genuine HP supplies for recycling to Hewlett-Packard. For more information, please visit us at <http://www.hp.com/go/recycle>

Network Summary

The **Network Summary** page contains information about the network and its enabled features. Click **Network Summary** on the **Information** tab to open the **Network Summary** page on the **Networking** tab.

Figure 5-19 HP EWS – **Network Summary** page

HP LaserJet P2014n 10.10.18.125

Information Settings Networking

IPv4 Configuration
IPv6 Configuration
Advanced
Bonjour
Password
SNMP
Network Summary

Network Summary

[Shop for Supplies](#) [Support](#)

Network Hardware Configuration

Hardware Address:	0017A4959B6B
Firmware Datecode:	20061117
Link Settings:	Auto
Link Speed:	100TX Full
IO Timeout:	120

Enabled Features

Password	Not Specified
SLP Config	Enabled
DHCP	Enabled
BootP	Disabled
AutoIP	Enabled
Raw Port Printing	Enabled
LPD Printing	Enabled
Enable Bonjour	Enabled
SHIMP	Enabled

TCP/IP(v4)

Host Name:	NI050B6B
Domain Name:	sakson.corp
IP Configured By:	DHCP
IPv4 Address:	10.10.48.125
IP Subnet Mask:	255.255.255.0
IP Default Gateway:	10.10.48.1
DHCP Server:	10.10.48.15
WINS Configured By:	DHCP
Preferred WINS Server:	10.10.48.15

TCP/IP(v6)

Link-Local	FE80:0:0:217:A4FF:FE95:9B6B
Stateless (from Router)	
Stateful (from DHCPv6)	

SNMP

Status	Read Write Access Enabled
SHIMP Version	v1v2
Set Community Name	Not Specified (Defaults to public)
Get Community Name	Not Specified (Defaults to public)

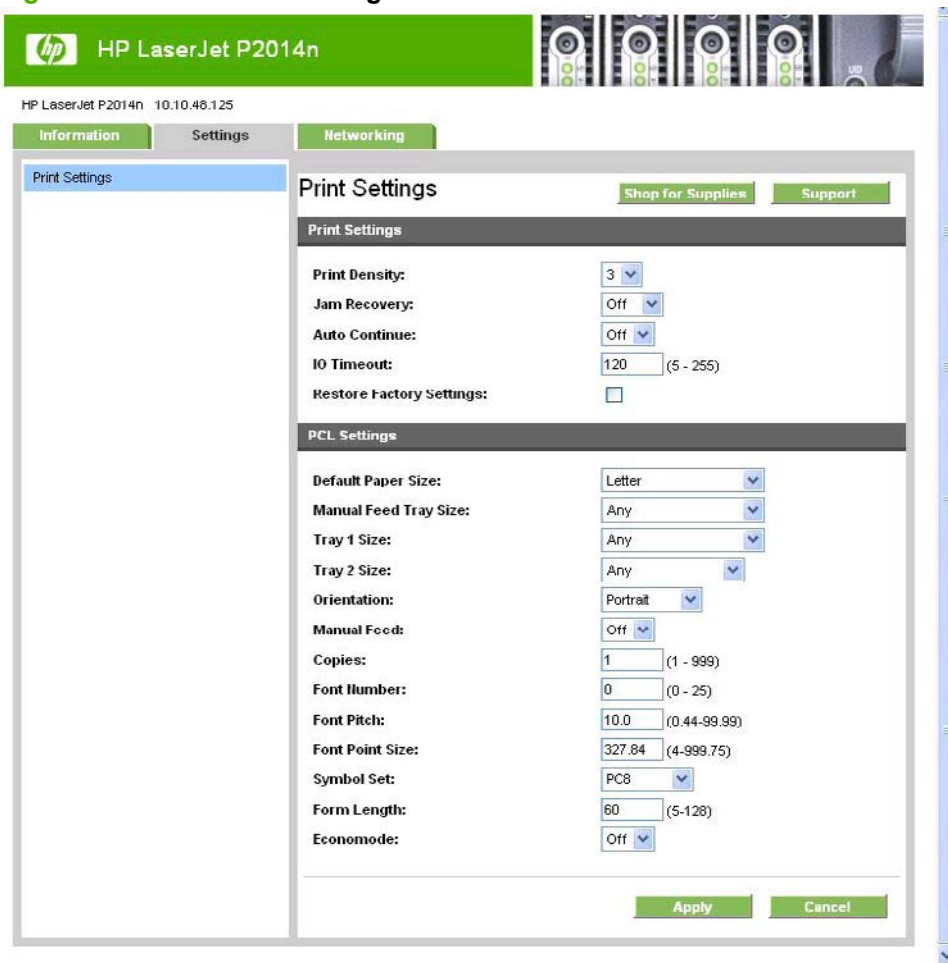
Network Statistics

Total Packets Received:	1871
Unicast Packets Received:	229
Broadcast Packets Received:	1642
Bad Packets Received:	0
Total Packets Transmitted:	431
Unicast Packets Transmitted:	372
Broadcast Packets Transmitted:	59
Bad Packets Transmitted:	0

Settings

Use the **Settings** tab to view and change print settings for the device.

Figure 5-20 HP EWS – **Settings** tab



Networking

Use the **Networking** tab to view and change settings for the network connection and communication with the device. The following pages are available:

- [IPv4 Configuration](#)
- [IPv6 Configuration](#)
- [Advanced](#)
- [Bonjour](#)
- [Password](#)
- [SNMP](#)
- [Network Summary](#)

IPv4 Configuration

Figure 5-21 HP EWS – IP v4 Configuration page

HP LaserJet P2014n 10.10.48.125

Information Settings **Networking**

IPv4 Configuration
IPv6 Configuration
Advanced
Bonjour
Password
SNMP
Network Summary

IPv4 Configuration [Shop for Supplies](#) [Support](#)

Warning: A change in the IP Address will result in loss of connectivity to the browser.

IP Configured By: DHCP

Host Name: NPI959B6B

Domain Name: saksun.corp

IP Address Configuration

Automatic IP
 Manual IP

DHCP
 BOOTP
 AutoIP

Manual IP Address: 10.10.48.125

IP Subnet Mask: 255.255.255.0

Manual Default Gateway: 10.10.48.1

WINS Address Configuration

Automatic WINS Server
 Manual WINS Server

Manual Preferred WINS Server: 10.10.48.15

[Apply](#) [Cancel](#)

IPv6 Configuration

Figure 5-22 HP EWS – IP v6 Configuration page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar includes the HP logo, the printer model name, and the IP address 10.10.48.125. The main menu on the left lists various configuration options, with 'IPv6 Configuration' selected. The main content area is titled 'IPv6 Configuration' and contains several sections: 'IPv6' with an 'Enable' checkbox checked; 'Host Name' with a text field containing 'NPI959B6B'; 'Link-Local' with a text field containing 'FE80:0:0:217:A4FF:FE95:9B6B' and a 'Prefix Length' dropdown set to '64'; 'Stateless (from Router)' with a text field containing '0'; 'Stateful (from DHCPv6)' with a text field containing '0'; and 'DHCPv6 Addressing Preferences' with two radio buttons, the second of which is selected. At the bottom right, there are 'Apply' and 'Cancel' buttons.

Advanced

Use the **Advanced** page to configure the enabled settings and other settings, such as link speed, for the device.

Figure 5-23 HP EWS – Advanced page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer, specifically the 'Advanced' configuration page. The top navigation bar includes the HP logo, the printer model name, and the IP address 10.10.48.125. The main menu on the left lists various configuration options, with 'Advanced' selected. The main content area is titled 'Advanced' and contains several sections: 'Enabled Features' with two checked checkboxes for 'SLP Config' and 'LPD Printing'; 'Other Settings' with a 'Link Settings' dropdown menu set to 'Automatic'. At the bottom right, there are 'Apply' and 'Cancel' buttons.

Bonjour

Use the **Bonjour** page to enable or disable the Bonjour settings for the device.

Figure 5-24 HP EWS – **Bonjour** page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar is green with the HP logo and the printer model name. Below the navigation bar, there are tabs for Information, Settings, and Networking. The Bonjour page is selected under the Networking tab. The page title is "Bonjour" and it includes "Shop for Supplies" and "Support" buttons. The main content area has a checkbox for "Enable Bonjour" which is checked. Below this, there are fields for "Bonjour Name" (HP LaserJet P2014n) and "Bonjour Domain Name" (HP1654RRH.local). At the bottom right, there are "Apply" and "Cancel" buttons. A left sidebar contains a menu with options: IPv4 Configuration, IPv6 Configuration, Advanced, Bonjour (selected), Password, SNMP, and Network Summary.

Password

Use this page to set or change the administrator password.

Figure 5-25 HP EWS – **Password** page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar is green with the HP logo and the printer model name. Below the navigation bar, there are tabs for Information, Settings, and Networking. The Password page is selected under the Settings tab. The page title is "Password" and it includes "Shop for Supplies" and "Support" buttons. The main content area contains a paragraph of instructions: "Use these fields to set or change the Administrator Password. When set, the Administrator Password is required before you can access and change configuration parameters. To disable the Administrator Password, leave the entries blank." Below this, there are fields for "User Name" (Admin), "Password" (masked with dots), and "Confirm Password" (masked with dots). At the bottom right, there are "Apply" and "Cancel" buttons. A left sidebar contains a menu with options: IPv4 Configuration, IPv6 Configuration, Advanced, Bonjour, Password (selected), SNMP, and Network Summary.

SNMP

Use this page to configure the SNMP settings for the device.

Figure 5-26 HP EWS – **SNMP** page

The screenshot shows the HP EWS interface for an HP LaserJet P2014n printer. The top navigation bar includes the HP logo, the printer model name, and the IP address 10.10.48.125. Below this, there are tabs for 'Information', 'Settings', and 'Networking'. The 'Settings' tab is active, and the left sidebar lists various configuration options, with 'SNMP' selected. The main content area is titled 'SNMP' and features a 'Caution' message: 'Caution: Changing these settings can potentially disrupt network scanning, network faxing (if supported by your device), or other network functionality'. There are two buttons, 'Shop for Supplies' and 'Support', in the top right of the main area. The configuration options are as follows:

- Enable SHMP v1/v2 read-write access**
 - Set Community Name: [password field]
 - Confirm Set Community Name: [password field]
 - Get Community Name: [password field]
 - Confirm Get Community Name: [password field]
 - Disable SNMP v1/v2 default Get Community Name of 'public'
- Enable SHMP v1/v2 read-only access (uses 'public' for the Get Community Name)**
- Disable SHMP v1/v2**

At the bottom right of the configuration area, there are 'Apply' and 'Cancel' buttons.

Network Summary

The **Network Summary** page contains information about the network and its enabled features.

Figure 5-27 HP EWS – **Network Summary** page

HP LaserJet P2014n 10.10.18.125

Information Settings **Networking**

IPv4 Configuration
IPv6 Configuration
Advanced
Bonjour
Password
SNMP
Network Summary

Network Summary

[Shop for Supplies](#) [Support](#)

Network Hardware Configuration

Hardware Address:	0017A4959B6B
Firmware Datecode:	20061117
Link Settings:	Auto
Link Speed:	100TX Full
IO Timeout:	120

Enabled Features

Password	Not Specified
SLP Config	Enabled
DHCP	Enabled
BootP	Disabled
AutoIP	Enabled
Raw Port Printing	Enabled
LPD Printing	Enabled
Enable Bonjour	Enabled
SHIMP	Enabled

TCP/IP(v4)

Host Name:	NI050B6B
Domain Name:	sakson.corp
IP Configured By:	DHCP
IPv4 Address:	10.10.48.125
IP Subnet Mask:	255.255.255.0
IP Default Gateway:	10.10.48.1
DHCP Server:	10.10.48.15
WINS Configured By:	DHCP
Preferred WINS Server:	10.10.48.15

TCP/IP(v6)

Link-Local	FE80:0:0:217:A4FF:FE95:9B6B
Stateless (from Router)	
Stateful (from DHCPv6)	

SNMP

Status	Read Write Access Enabled
SHIMP Version	v1/v2
Set Community Name	Not Specified (Defaults to public)
Get Community Name	Not Specified (Defaults to public)

Network Statistics

Total Packets Received:	1871
Unicast Packets Received:	229
Broadcast Packets Received:	1642
Bad Packets Received:	0
Total Packets Transmitted:	431
Unicast Packets Transmitted:	372
Broadcast Packets Transmitted:	59
Bad Packets Transmitted:	0

6 Engineering details

Introduction

Topics:

- [Troubleshooting](#)
- [Media attributes](#)
- [Hewlett-Packard LaserJet P2010 Series Printing System Readme](#)

Troubleshooting

Use the following steps when trying to solve a problem with the device.

Table 6-1 Troubleshooting checklist

Step number	Verification step	Possible problems	Solutions
1	<p>Is the power on?</p> <p>When the device is connected to a grounded power source, amber lights on the top of the printer will show that it is warming up. When the device is ready to print, only the green light will be on.</p>	No power due to failed power source, cable, switch, or fuse.	<ol style="list-style-type: none"> 1. Verify that the device is plugged in. 2. Verify that the power cable is functional and that the power switch is on. 3. Check the power source by plugging the device directly into the wall or into a different outlet. 4. Test the outlet or connect another device to the outlet to verify that the outlet is functioning.
2	<p>Does the device print from the computer?</p> <p>Use a word-processing application to send a print job to the device.</p>	<p>Software is not installed correctly or an error occurred during software installation.</p> <hr/> <p>The cable is not connected correctly.</p> <hr/> <p>An incorrect driver is selected.</p> <hr/> <p>Other devices are connected to the USB port.</p> <hr/> <p>There is a port driver problem in Microsoft Windows.</p>	<p>Uninstall and then reinstall the device software. Verify that you are using the correct installation procedure and the correct port setting.</p> <hr/> <p>Reconnect the cable.</p> <hr/> <p>Select the proper driver.</p> <hr/> <p>Disconnect the other devices and try again to print.</p> <hr/> <p>Uninstall and then reinstall the device software. Verify that you are using the correct installation procedure and the correct port setting.</p>
<p>If the error persists, contact HP Customer Contact Center.</p>			

Media attributes

The tables in this section provide information about media features, media attributes, and paper-handling constraints for the HP LaserJet P2010 Series printer.

Topics:

- [Media sizes](#)
- [Media type and tray loading](#)

Media sizes

The following table lists the features and attributes of various media listed under the **Size Is**: drop-down menu on the **Paper/Quality** tab. The list order can vary, depending on the operating system. The list will contain all the sizes shown here, and might contain sizes from other drivers.

Table 6-2 Supported media sizes

Paper sizes	Width	Height
Letter	216 mm	279 mm
	(8.5 inches)	(11.0 inches)
Legal	216 mm	355 mm
	(8.5 inches)	(14.0 inches)
A4	210 mm	297 mm
	(8.27 inches)	(11.69 inches)
Executive	185 mm	266 mm
	(7.25 inches)	(10.5 inches)
B5 (ISO)	176 mm	250 mm
	(6.93 inches)	(9.84 inches)
Envelope #10	105 mm	241 mm
	(4.13 inches)	(9.5 inches)
Envelope Monarch	99 mm	190 mm
	(3.88 inches)	(7.5 inches)
Envelope C5 (ISO)	162 mm	229 mm
	(6.38 inches)	(9.02 inches)
Envelope DL (ISO)	110 mm	220 mm
	(4.33 inches)	(8.66 inches)
Envelope B5 (ISO)	176 mm	250 mm
	(6.93 inches)	(9.84 inches)
Custom	Minimum:	Minimum:
	76 mm	127 mm

Table 6-2 Supported media sizes (continued)

Paper sizes	Width	Height
	(3.0 inches)	(5.00 inches)
	Maximum:	Maximum:
	216 mm	356 mm
	(8.5 inches)	(14.0 inches)
B5 (JIS)	182 mm	257 mm
	(7.16 inches)	(10.12 inches)
Postcard (JIS)	100 mm	148 mm
	(3.94 inches)	(5.83 inches)
Double Postcard (JIS)	148 mm	200 mm
	(5.83 inches)	(7.87 inches)
A5	148 mm	210 mm
	(5.83 inches)	(8.27 inches)
8.5 x 13 (Foolscap)	216 mm	330 mm
	(8.5 inches)	(13 inches)
16K 7.75 x 10.75	197 mm	273 mm
	(7.75 inches)	(10.75 inches)
16K 184x260mm	184 mm	260 mm
	7.2 inches	10.2 inches
16K 195x270mm	195 mm	270 mm
	7.67 inches	10.6 inches

Media type and tray loading

This product has the following tray priority for feeding print media:

1. Tray 1 (if open)
2. Tray 2
3. Optional Tray 3 (if attached)

Minimum media dimensions are 76 x 127 mm (3 x 5 inches).

Maximum media dimensions are 216 x 356 mm (8.5 x 14 inches).

To obtain the best print results, change the paper size and paper type settings in the print driver before printing.

Table 6-3 Tray 1 media information

Type is	Media specifications	Media quantity	Driver settings	Paper orientation	Output
Plain Color Preprinted Prepunched Recycled	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 50 sheets	Plain or unspecified	N/A	Straight-through output door
Light	60 g/m ² (16 lb) to 75 g/m ² (20 lb)	Up to 50 sheets	Light	N/A	Straight-through output door
Envelopes	Less than 90 g/m ² (24 lb)	Up to 10 envelopes	Envelope	Short edge leading, flap on right side facing up	Straight-through output door
Labels	Standard	Up to 10 sheets	Labels	Side to be printed on facing up	Straight-through output door
Bond	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 10 sheets	Bond	Side to be printed on facing up	Straight-through output door
Rough	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 10 sheets	Rough	Side to be printed on facing up	Straight-through output door
Transparencies	4 mm (0.1 inches) Monochrome Overhead	Up to 10 sheets	Transparency	Side to be printed on facing up	Straight-through output door
Heavy	90 g/m ² (24 lb) to 105 g/m ² (28 lb)	Up to 10 sheets	Heavy	Side to be printed on facing up	Straight-through output door
Letterhead	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 10 sheets	Letterhead	Side to be printed on facing up, top of page in first	Output bin
Cardstock	Up to 10	Up to 10	Cardstock	Side to be printed on facing up	Straight-through output door
Shipping labels	Up to 10	Up to 10	Cardstock	Side to be printed on facing up	Straight-through output door

Table 6-4 Tray 2 media information

Type is	Media specifications	Media quantity	Driver settings	Paper orientation	Output
Plain Color Preprinted Prepunched Recycled	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 250 sheets	Plain or unspecified	N/A	Output bin
Light	60 g/m ² (16 lb) to 75 g/m ² (20 lb)	Up to 250 sheets	Light	N/A	Output bin
Labels	Standard	Less than 250 sheets	Labels	Side to be printed on facing up	Straight-through output door
Bond	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 250 sheets	Bond	Side to be printed on facing up	Output bin
Rough	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 250 sheets	Rough	Side to be printed on facing up	Output bin
Heavy	90 g/m ² (24 lb) to 105 g/m ² (28 lb)	Less than 250 sheets	Heavy	N/A	Output bin
Transparencies	4 mm (0.1 inch) Monochrome Overhead	Less than 250 sheets	Transparency	Side to be printed on facing down	Straight-through output door
Letterhead	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Less than 250 sheets	Letterhead	Side to be printed on facing down	Normal: output bin Heavy: straight through output door

Table 6-5 Optional Tray 3 media information

Media type	Media specifications	Media quantity	Driver settings	Paper orientation	Output
Plain Color Preprinted Prepunched Recycled	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 250 sheets	Plain or unspecified	N/A	Output bin
Light	60 g/m ² (16 lb) to 75 g/m ² (20 lb)	Up to 250 sheets	Light	N/A	Output bin
Bond	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 250 sheets	Bond	Side to be printed on facing up	Output bin
Rough	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 250 sheets	Rough	Side to be printed on facing up	Output bin

Table 6-5 Optional Tray 3 media information (continued)

Media type	Media specifications	Media quantity	Driver settings	Paper orientation	Output
Heavy	90 g/m ² (24 lb) to 105 g/m ² (28 lb)	Less than 250 sheets	Heavy	N/A	Straight-through output door
Letterhead	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Less than 250 sheets	Letterhead	Side to be printed on facing down	Normal: output bin Heavy: straight through output door

Hewlett-Packard LaserJet P2010 Series Printing System Readme

- [I. Introduction](#)
- [II. Late-breaking information](#)
- [III. Installation instructions](#)
- [IV. Technical assistance](#)
- [V. Legal statements](#)

I. Introduction

Purpose of this document

This document provides specific installation instructions and other information you should know before you install and use the printing system. The HP LaserJet P2010 Series software works with the following operating systems:

- Windows 98se
- Windows Me
- Windows NT 4.0 (PCL 5e ONLY)
- Windows 2000
- Windows XP
- Windows Server 2003
- Windows Vista

 **NOTE:** HP LaserJet P2010 Series software does not support Windows 95 and Windows Server 2000.

For instructions to install Macintosh OS components, or other systems, see the associated installation notes, readme files, or other product information for that particular system.

This file provides specific installation, compatibility, and troubleshooting information. For additional information about device features and driver features, see the device user guide and the online help included with each software component.

Who needs this software?

All users require this printing system software to operate the HP LaserJet P2010 Series printers.

Overview of the printing system components

The CD-ROM has software for IBM-compatible computer systems, and Apple Macintosh (and compatible) systems. For more information about a particular driver or software component, see its associated online help.

End-user software components for Minimal Install on USB installations only

Drivers

A driver is software that provides software applications access to the device features. Typically, you should install drivers for each device. The printing-system software CD-ROM that came with your device includes the following Windows drivers:

- HP LaserJet P2010 Series Host-based print driver
- HP LaserJet P2010 Series PCL5e print driver

Software applications

- None

End-user software components for Typical Install

Drivers

A driver is software that provides software applications access to the device features. Typically, you should install drivers for each device. The printing-system software CD-ROM that came with your device includes the following Windows drivers:

- HP LaserJet P2010 Series Host-based print driver
- HP LaserJet P2010 Series PCL5e print driver

Software applications

- User Guide (Windows Help format)

Additional drivers might be available from your Hewlett-Packard distributor or from online sources. See the "Technical Assistance" section of this document or the device user guide for more information about obtaining drivers and other HP software.

Adobe Acrobat Reader

Acrobat Reader should be used to view the online manuals. A version is available on the CD. Path: <CD-ROM Drive>\apps\Adobe\Acrobat5.0\Reader\AcroRd32.exe

The latest version of Acrobat Reader is available on the Adobe website at www.adobe.com/

Device documentation

The following documents are available on the printing system software CD-ROM:

HP LaserJet P2010 Series

- Document: HP LaserJet P2010 Series User Guide
File name: LJP2010_use.pdf
File name: LJP2010_use.chm
Path: <CD-ROM Drive>:\<Language>\MANUALS\LJP2010_use.pdf
Path: <CD-ROM Drive>:\<Language>\MANUALS\LJP2010_use.chm
- Document: HP LaserJet P2010 Series Install Notes

File name: LJP2010_installnotes.htm

Path: <CD-ROM Drive>:\<Language>\LJP2010_installnotes.htm

Uninstall

The uninstall utility allows you to remove the Windows HP printing system components. See the "Uninstaller" section for more instructions.

II. Late-breaking information

Known issues and workarounds

General

- Certain high-speed USB 2.0 cards ship with unsigned host controller drivers. If you have purchased a USB 2.0 add-in card and have an unsigned driver, you might experience driver installation problems or communication problems between the device and HP software. It is recommended that you always use a Microsoft WHQL Certified host controller driver with the USB hardware.
- Plug-and-Play print driver packages are available on the Web at the following URL: <http://www.hp.com/go/LJP2010series>.
- Functionality on systems that only meet minimum system requirements will be limited. Use of many images or videos requires a system that meets the recommended system requirements for acceptable performance and reliability.
- Troubleshooting Setup and Install

If your device is not recognized:

- Verify that your cable is USB 2.0 high-speed compliant.
- Ensure that your cable is connected correctly. Remove the USB cable, look at the end of the cable, and then match it to the pattern on the USB port. Make sure that it is not upside down. Insert one end of the USB cable completely into the USB port on the HP device and the other end into the back of the computer.
- Check that the peripheral is powered on. Peripherals will not be recognized if the power is off.
- Ensure that your USB cable is no more than 15 feet or 5 meters in length.
- Check that the USB port is enabled. Some PCs ship with disabled USB ports.
- On a Thai system, some components may show English text.

Upgrading Windows

- HP recommends that you uninstall HP devices before upgrading to a newer supported version of Windows. For example, when upgrading from Windows 98 to Windows XP, uninstall your HP device using Add/Remove Programs and then upgrade to the new operating system. After the operating system upgrade is complete, re-install your HP device using the latest software from the following URL:

www.hp.com/go/LJP2010series

Other applications

- Microsoft Wordpad does not display compressed JPEG files contained in an RTF file. To display these files, use a different application such as Microsoft Word.

For an updated listing of known issues for the HP LaserJet printing system software, see the HP LaserJet P2010 Series device support pages at the following URL:

www.hp.com/go/LJP2010series

Issues fixed

For an updated listing of issues fixed for the HP LaserJet printing system software, see the HP LaserJet P2010 Series device support pages at the following URL:


www.hp.com/go/LJP2010series

Use the link for the "Release Notes" or "Readme File" found on the driver download page for the operating system and driver version to be used.

III. Installation instructions

When operating in a Windows environment, the CD-ROM setup or installation software detects the version and language of the operating system that you are running.

Installing software on Windows 2000, XP, and Server 2003

 **NOTE:** Administrator privileges are required to install the printing system on a Windows 2000, or Windows XP operating system.

Printing system installation from a CD-ROM

1. Do not plug the USB/parallel cable into the computer system.
2. Close all programs.
3. Insert the CD-ROM.
4. If the HP printing system installer program has not started after 30 seconds, complete steps 5 through 7.
5. Select **Run** from the **Start** menu on your taskbar.
6. Browse to the root directory on the CD-ROM drive.
7. Select the SETUP.EXE file, click **Open**, and then click **OK**.
8. Follow the prompts.

Installing via Add Printer

The HP LaserJet P2010 Series printer may also be installed via Microsoft's Add Printer feature in the Printers folder. This is also known as Add Printer Wizard or APW. APW instructions will change slightly with different versions of Windows.

Win98se APW Install

1. Ensure the HP LaserJet P2010 Series printer has not been plugged in and is not connected to the computer.
2. From the Start menu, point to Settings, and click Printers.
3. Double-click Add Printer, then click Next.
4. Follow the directions on screen.
5. When asked if the product is a local or network printer, select Local Printer.
6. Select "Have Disk" and then specify the location of the HP LaserJet P2010 Series driver to be installed.
7. If multiple selections are presented, select your printer model and click Next.
8. If you are installing via USB and have not previously installed the HP LaserJet P2010 Series printer, there will not be a USB port installed yet. This is normal. Select LPT1: and click Next.
9. If you are installing via USB and have previously installed and connected the HP LaserJet P2010 Series, there will be a USB port installed. Select this USB port and click Next .



NOTE: Ensure that you connect the HP LaserJet P2010 Series to the same physical USB port you previously had it connected to.

10. Files are copied, and a "Welcome" screen should be displayed.
11. Follow the directions on screen.
12. When asked to connect the printer, plug in and connect the HP LaserJet P2010 Series printer to your computer.
13. Follow the directions on the screen until installation is completed.

When installation is completed you may have two copies of the print driver created. If this is the case, you should delete the first one created. Typically it will have the same name as your printer model. To check how many drivers were created, and to delete the first one, follow the steps below.

1. From the Start menu, point to Settings, and click Printers.
2. If you have both " HP LaserJet P2010 Series " and "HP LaserJet P2010 Series (Copy 2)", do not delete the one with "Copy 2" in the name. Instead delete the first driver created called "HP LaserJet P2010 Series ".

At this point you are ready to print using the "HP LaserJet P2010 Series (Copy 2)" driver.

Installing IPV6 printer

IPv6 installation will require IPv4 to be installed first.

1. Using the CD, install the printer as an IPv4 printer.
2. From the Start menu, open the Printers and Faxes folder. Right click on the printer and select Properties. Select the Ports tab and click on Configure Port.

3. Press the GO button on the printer for 5 seconds to print a configuration page. The IPv6 Address for the printer will be on this page.
4. In the Printer Name or IP Address field, enter the IPv6 Address of the printer.

Printing with PCL5e

The PCL5e driver is located on the software CD that shipped with your printer and on the web at the following URL:

www.hp.com/go/LJP2010series

Use Add Printer Wizard to install the PCL5e driver.

Uninstaller

After a printing system installation, use the uninstall icon in the HP LaserJet P2010 Series program group to remove all of the HP printing system components.

Starting the Uninstaller

1. From the **Start** menu, in the **HP LaserJet P2010 Series** program group, click the **HP LaserJet P2010 Series** uninstall icon.
2. The printing system guides you through the removal of all of the printing system components.

IV. Technical assistance

Some of the following services are provided for the United States only. Services similar to those listed below are available in other countries/regions. See the device user guide or the in-box support flyer, or call your local authorized HP dealer.

Customer support

See your device user guide or the in-box support flyer, or call your local authorized HP dealer.

Web

Browse to the following URLs for online technical support:

www.hp.com/go/LJP2010series

HP software and support services - additional information

See your device user guide for additional methods of obtaining software and support information, such as printer driver distribution centers, other online services, fax services, and other online support.

V. Legal statements

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Warranty

See the device user guide for complete warranty and support information.

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