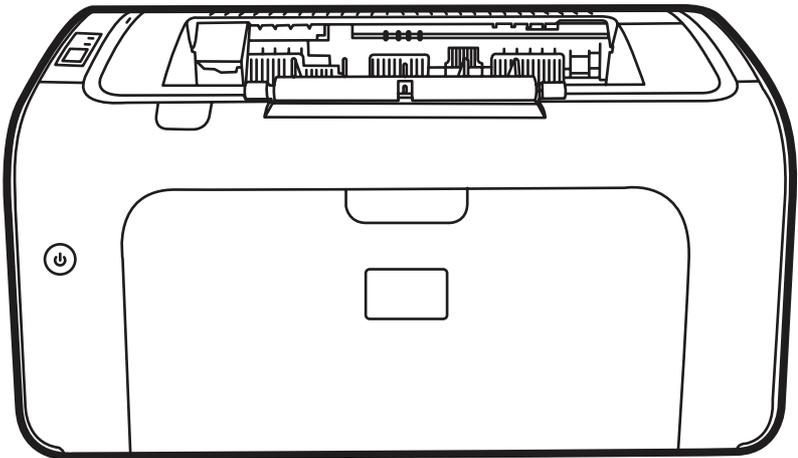


HP LaserJet P1000 and P1500 Series Software Technical Reference



HP LaserJet P1000 and P1500 Series printer Software Technical Reference



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Table of contents

1 Purpose and scope

Introduction	1
Product configurations	2
Product features	3
Identify product parts	4
HP LaserJet P1000 Series	4
HP LaserJet P1500 Series	5
Printing-system software	7
In-box printing-system software	7
HP LaserJet P1000 and P1500 Series software CD, Windows partition	7
Supported operating systems	7
Software for Windows	8
Windows printer drivers	8
Printer preferences (driver)	8
Printer properties online Help	8
Print-setting priorities	8
Additional Windows driver types (HP LaserJet P1500 network models)	8
Install the Windows printer software	9
Change printer-driver settings for Windows	9
Embedded Web server (HP LaserJet P1500 network models only)	9
Software for Macintosh	9
Macintosh printer drivers	9
Install the Macintosh printer driver	9
Configure the Macintosh print driver	10
CD language groupings	10
Ordering software	12
Documentation availability and localization	13

2 Software description

Introduction	17
Windows printing-system software	18
HP Easy Printer Care	19
HP Embedded Web Server (network-ready models only)	20
Information tab	20
Device Status page	21
Device Configuration page	21
Supplies Status page	22
Network Summary page	23

Settings tab	24
Networking tab	24
IPv4 Configuration page	25
IPv6 Configuration page	25
Advanced page	26
Bonjour page	26
Password page	27
SNMP settings	27
Network Summary page	28
HP Web Jetadmin	29
HP Extended Capabilities	30
Internal Fonts	31

3 Install Windows printing-system components

Installation overview	34
Windows installation instructions	35
Installing the software before the printer is connected to the computer	35
Installing the software when the printer is already connected to a computer	52
Installation options	62
Windows installation for direct connections	62
Setting up Windows sharing (peer-to-peer networking)	62
Setting up the host computer running Windows 2000	63
Setting up the host computer running Windows XP	63
Setting up client computers running Windows 2000	63
Setting up client computers running Windows XP	64
Installation instructions for networked computers	64
Installing the software on networked computers (HP LaserJet P1505n only)	64
Installing the printer driver only	65
Printer-driver installation for Windows 2000 or Windows XP	65
Plug-n-Play	66
Add Printer Wizard	66
Uninstall	67
Uninstall instructions for Windows	67
Uninstalling using the HP program group (recommended)	67
Uninstalling using Windows Add/Remove programs feature	67

4 Host-based driver for Windows

Introduction to host-based printing	74
Help system	75
What's this? Help	75
Context-sensitive Help	75
Paper Type Warning	75
Access to the driver	76
Properties tab set	76
Printing Preferences tab set	76
Print Task Quick Sets	76
Document preview image	77
Driver tabs	78
Printing Preferences tab set	78

Advanced tab features	78
Paper/Output	79
Printer Features	79
Paper/Quality tab features	80
Paper Options	81
Use Different Papers/Covers	84
Print Quality	85
Effects tab features	86
Resizing Options	86
Watermarks	88
Finishing tab features	92
Document Options	92
Orientation	96
Services tab features	97
Internet Services	97
Print Information Pages	98
Device Services	98
Properties tab set	98
Device Settings tab features	99
Jam Recovery	99
Status Messages	99
Cleaning Page	99
Courier Font Type	100
Print Density	100
Tray Assignment	100
Allow Manual Duplexing	100
About tab features	100
Driver Files	101
Configuration Status	101

5 Macintosh software and utilities

Introduction	103
Macintosh printing-system software	104
Hardware requirements	104
Operating-system support	104
Availability	105
Printing-system software on the Web	105
Printing-system software	105
Software component availability	105
In-box printing-system software CDs	105
Macintosh partition	106
CD versions	106
Macintosh install and uninstall instructions	107
Macintosh component descriptions	107
Macintosh drivers	107
HP Embedded Web Server (network-ready models only)	107
Install notes (Readme file)	108
Online help	108
Install the Macintosh printing system	108
Installation options	108

General installation for Macintosh operating systems	108
Installation instructions for direct connections	108
Installation instructions for networked computers (network-ready models only)	109
Detailed Mac OS X installation	109
Main Install dialog sequence	110
Printer setup	114
Set up a printer with Mac OS X v10.4.3 and above	114
Set up a printer with Mac OS X v10.3.9	116
Troubleshooting the printer setup	117
Uninstall the Macintosh printing system	118
HP Embedded Web Server (EWS, network-ready models only)	118
Access to the HP EWS	119
Information	120
Device Status	120
Device Configuration	121
Supplies Status	121
Network Summary	122
Settings	123
Networking	123
IPv4 Configuration	124
IPv6 Configuration	124
Advanced	125
Bonjour	125
Password	126
SNMP	126
Network Summary	127
6 Engineering details	
Introduction	129
Firmware updates	130
Media attributes	131
Media sizes	131
Media type and tray loading	133
Index	135

List of tables

Table 1-1	CD language groupings for Windows installation	11
Table 1-2	User documentation availability and localization	13
Table 4-1	Standard paper types and engine speed	83
Table 4-2	Page orientation	93
Table 5-1	CD language groupings for Macintosh installation	106
Table 6-1	Supported media sizes	131
Table 6-2	Tray 1 media information	133
Table 6-3	Tray 2 media information	134

List of figures

Figure 1-1	HP LaserJet P1000 Series, front view	4
Figure 1-2	HP LaserJet P1000 Series, back view	4
Figure 1-3	HP LaserJet P1500 Series, front view	5
Figure 1-4	HP LaserJet P1500 Series, back view	5
Figure 2-1	Getting Started Guide — Welcome screen	18
Figure 2-2	HP EWS – Device Status page	21
Figure 2-3	HP EWS – Device Configuration page	22
Figure 2-4	HP EWS – Supplies Status page	22
Figure 2-5	HP EWS – Network Summary page	23
Figure 2-6	HP EWS – Settings tab	24
Figure 2-7	HP EWS – IPv4 Configuration page	25
Figure 2-8	HP EWS – IPv6 Configuration page	25
Figure 2-9	HP EWS – Advanced page	26
Figure 2-10	HP EWS – Bonjour page	26
Figure 2-11	HP EWS – Password page	27
Figure 2-12	HP EWS – SNMP page	27
Figure 2-13	HP EWS – Network Summary page	28
Figure 3-1	Driver Installation — Getting Started Guide — Welcome screen	35
Figure 3-2	Driver Installation — Select Your Connection screen	36
Figure 3-3	Driver Installation — Begin Setup screen	36
Figure 3-4	Driver Installation — Software Wizard — Welcome screen	37
Figure 3-5	Driver Installation — End User License Agreement screen	38
Figure 3-6	Driver Installation — Select the Printer screen	38
Figure 3-7	Driver Installation — Printer Connections screen	39
Figure 3-8	Driver Installation — Identify Printer screen	40
Figure 3-9	Driver Installation — Firewall Detected	41
Figure 3-10	Driver Installation — Printer Not Found screen	42
Figure 3-11	Driver Installation — Printer Found screen	43
Figure 3-12	Driver Installation — Specify Printer screen	44
Figure 3-13	Driver Installation — Check Printer Connection screen	45
Figure 3-14	Driver Installation — Confirm Network Settings screen	46
Figure 3-15	Driver Installation — Confirm Change Settings screen	47
Figure 3-16	Driver Installation — Change TCP/IP Settings screen	48
Figure 3-17	Driver Installation — Setup Settings screen	49
Figure 3-18	Driver Installation — Exit Setup screen	49
Figure 3-19	Driver Installation — HP Extended Capabilities screen	50
Figure 3-20	Driver Installation — Setup Complete screen	51
Figure 3-21	Driver Installation — Setup Complete screen 2	51
Figure 3-22	Driver Installation — Reboot screen	52

Figure 3-23	Add Printer Wizard — Welcome Screen	53
Figure 3-24	Add Printer Wizard — Local or Network Printer screen	54
Figure 3-25	Add Printer Wizard — Select the Printer Port screen	55
Figure 3-26	Add Printer Wizard — Manufacturer and model screen	56
Figure 3-27	Add Printer Wizard — Install from Disk	56
Figure 3-28	Add Printer Wizard — Locate File	57
Figure 3-29	Add Printer Wizard — Install From Disk, screen 2	57
Figure 3-30	Add Printer Wizard — Manufacturer and Model screen 2	58
Figure 3-31	Add Printer Wizard — Name Your Printer screen	58
Figure 3-32	Add Printer Wizard — Printer Sharing screen	59
Figure 3-33	Add Printer Wizard — Print Test Page screen	60
Figure 3-34	Add Printer Wizard — Completing the Add Printer Wizard screen	61
Figure 3-35	Windows Control Panel screen	68
Figure 3-36	Windows Change or Remove Programs screen	68
Figure 3-37	Welcome to the LaserJet P1000 / P1500 series Uninstall Wizard dialog box	69
Figure 3-38	HP LaserJet P1000 / P1500 series Driver Uninstall Information dialog box	70
Figure 3-39	HP LaserJet P1000 / P1500 series Driver Uninstall Information dialog box, screen 2	71
Figure 3-40	Uninstall Complete dialog box	72
Figure 4-1	Paper Type Warning message	75
Figure 4-2	Advanced tab	78
Figure 4-3	Paper/Quality tab	80
Figure 4-4	Paper Options group box	81
Figure 4-5	Custom Paper Size dialog box	82
Figure 4-6	Use Different Paper/Covers options	84
Figure 4-7	Effects tab	86
Figure 4-8	Preview images - Legal on Letter; Scale to Fit off (left) and on (right)	87
Figure 4-9	Watermark Details dialog box	89
Figure 4-10	Finishing tab	92
Figure 4-11	Print on Both Sides Instructions	93
Figure 4-12	Page-order preview images	95
Figure 4-13	Services tab	97
Figure 4-14	Device Settings tab	99
Figure 4-15	About tab	100
Figure 5-1	HP LaserJet P1000/P1500 CD-ROM icon	110
Figure 5-2	HP LaserJet P1000/P1500 screen	110
Figure 5-3	Welcome to the HP LaserJet P1000/P1500 Series Installer dialog	111
Figure 5-4	Software License Agreement dialog	111
Figure 5-5	Select a Destination dialog	112
Figure 5-6	Easy Install dialog	113
Figure 5-7	Installation success message	114
Figure 5-8	Printer list screen	115
Figure 5-9	Print & Fax screen	115
Figure 5-10	Printer List screen	116
Figure 5-11	Printer List screen	117
Figure 5-12	Device Status screen	119
Figure 5-13	HP EWS – Device Status page	120
Figure 5-14	HP EWS – Device Configuration page	121
Figure 5-15	HP EWS – Supplies Status page	121
Figure 5-16	HP EWS – Network Summary page	122
Figure 5-17	HP EWS – Settings tab	123

Figure 5-18	HP EWS – IPv4 Configuration page	124
Figure 5-19	HP EWS – IPv6 Configuration page	124
Figure 5-20	HP EWS – Advanced page	125
Figure 5-21	HP EWS – Bonjour page	125
Figure 5-22	HP EWS – Password page	126
Figure 5-23	HP EWS – SNMP page	126
Figure 5-24	HP EWS – Network Summary page	127

1 Purpose and scope

Introduction

- [Product configurations](#)
- [Product features](#)
- [Identify product parts](#)
- [Printing-system software](#)
- [Documentation availability and localization](#)

This software technical reference (STR) provides information about and troubleshooting tips for the printing-system software for the product.

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 product. This STR does *not* describe drivers that will become available on the Web.

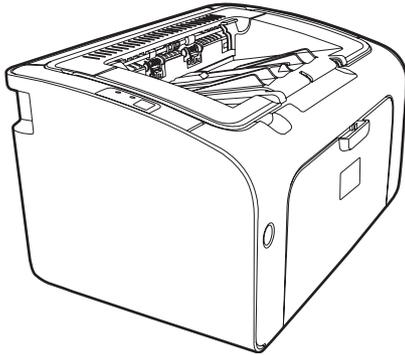
The following information is included in this STR:

- Descriptions of drivers, operating systems, and system environments
- 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.

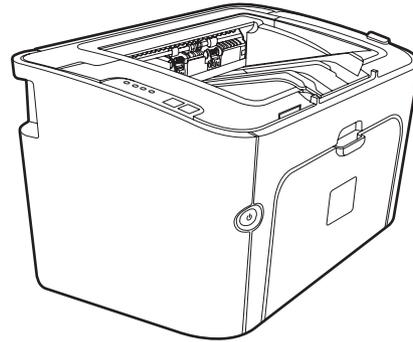
Product configurations

HP LaserJet P1000 Series



- **First Page Out:** < 8.5 seconds
- **Speed:** 16 A4 pages per minute (ppm), 17 Letter-size ppm.
- **Tray:** 150 sheet universal tray.
- **Connectivity:** Hi-Speed USB 2.0 port.

HP LaserJet P1500 Series



- **First Page Out:** < 6.5 seconds
 - **Speed:** 22 A4 pages per minute (ppm), 24 Letter-size ppm.
 - **Trays:** 10 sheet priority feed slot and a 250 sheet universal tray
 - **Connectivity:** Hi-Speed USB 2.0 port. On-board networking (not available on all models).
-

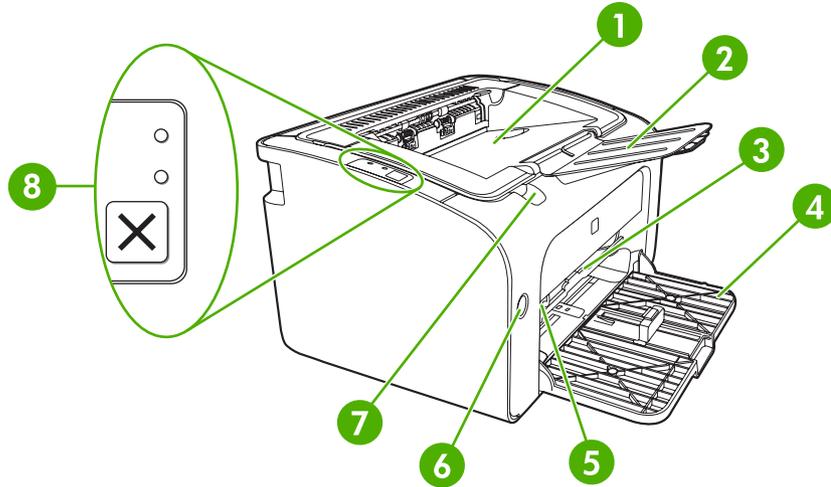
Product features

Benefit	Supporting features
Excellent print quality	<ul style="list-style-type: none">● HP print cartridges.● 600 by 600 dots per inch (dpi) text and graphics.● Adjustable settings to optimize print quality.
Ease of use	<ul style="list-style-type: none">● The print cartridge is easy to install.● Convenient access to the print cartridge and to the paper path through the cartridge door.● Adjust paper tray with one hand.
Flexible paper handling	<ul style="list-style-type: none">● Main tray for letterhead, envelopes, labels, transparencies, custom-sized media, postcards, and heavy paper.● Priority feed slot for letterhead, envelopes, labels, transparencies, custom-sized media, postcards, and heavy paper.● A 125-sheet top output bin.● Print on Both Sides (manually).
Interface connections	<ul style="list-style-type: none">● Hi-Speed 2.0 USB port.● Built-in internal print server for connecting to a 10/100Base-T network. (not available on all models)
Energy savings	<ul style="list-style-type: none">● The device automatically conserves electricity by substantially reducing power consumption when it is not printing.
Economical printing	<ul style="list-style-type: none">● N-up printing (printing more than one page on a sheet) features saves paper.
Archive printing	<ul style="list-style-type: none">● When printing pages that are to be stored long-term, this option sets the device to a mode that reduces toner smearing and dusting.● Select Archive as the paper type.
Supplies	<ul style="list-style-type: none">● A Supplies Status page with print cartridge gauges that estimate remaining supply level.● No-shake cartridge design.● Authentication for original HP print cartridges.● Easy ordering for replacement supplies.
Accessibility	<ul style="list-style-type: none">● Online user guide compatible with text screen-readers.● All doors and covers can be opened with one hand.
Security	<ul style="list-style-type: none">● Kensington lock receptacle on back of device.

Identify product parts

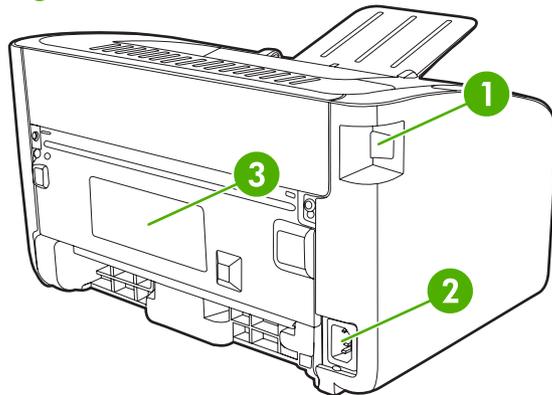
HP LaserJet P1000 Series

Figure 1-1 HP LaserJet P1000 Series, front view



1	Output bin
2	Foldable Output Tray Extension
3	Priority feed slot (not available on some models)
4	Foldable Main Input tray
5	Short Media Extender (not available on some models)
6	Power button
7	Cartridge door lift-tab
8	Control panel

Figure 1-2 HP LaserJet P1000 Series, back view

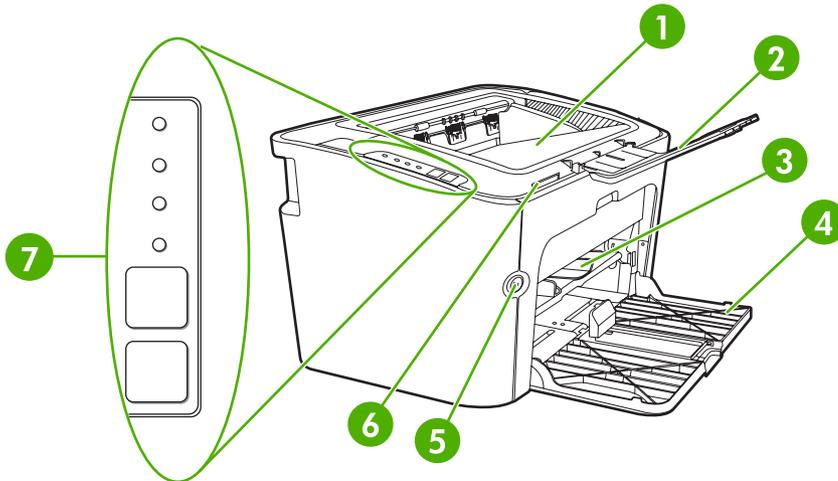


1	USB Port
---	----------

2	Power receptacle
3	Serial number

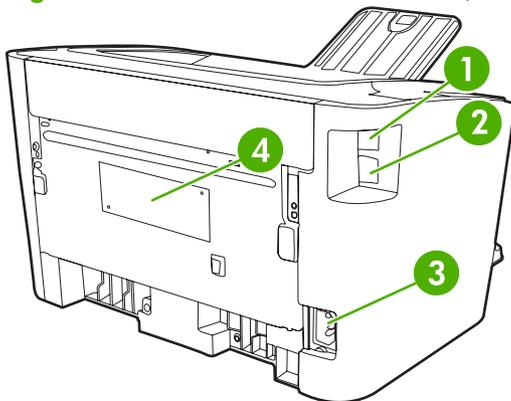
HP LaserJet P1500 Series

Figure 1-3 HP LaserJet P1500 Series, front view



1	Output bin
2	Foldable Output Tray Extension
3	Priority feed slot
4	Input tray
5	Power button
6	Cartridge door lift-tab
7	Control panel

Figure 1-4 HP LaserJet P1500 Series, back view



1	USB Port
---	----------

2	HP internal network port (not available on some models)
3	Power receptacle
4	Serial Number

Printing-system software

The software CD for the HP LaserJet P1000 and P1500 Series contain a variety of files for installing the printing-system software on your computer. This section describes the files that are available on the software CD, as well as additional support and fulfillment information.

In-box printing-system software

The HP LaserJet P1000 and P1500 Series printing-system software consist of two partitions: one for installation on Windows® operating systems and the other for Macintosh operating systems. The files in each partition include both documentation files and files that are required to install and uninstall the systems.

HP LaserJet P1000 and P1500 Series software CD, Windows partition

The HP LaserJet P1000 and P1500 Series printing-system software is delivered on a CD that is included with the product. The CD include the following files:

- Installation files
- Uninstall files
- Printer driver
- Online Help
- Order Reminder
- .CHM version of the HP LaserJet P1000 and P1500 Series User Guide
- .PDF version of the HP LaserJet P1000 and P1500 Series User Guide
- Registration link
- Readme
- Status-message files

To view the directories and support files, insert the HP LaserJet P1000 and P1500 Series printing-system software CD into the CD-ROM drive on your computer, right-click **Start**, click **Explore**, and then select the CD-ROM drive.

Supported operating systems

The device comes with software for the following operating systems:

- Windows 2000
- Windows Server 2003 (32-bit and 64-bit)

For more information about upgrading from Windows 2000 Server to Windows Server 2003; using Windows Server 2003 Point and Print; or using Windows Server 2003 Terminal Services and Printing, go to www.microsoft.com.

- Windows® XP (32-bit and 64-bit)

- Windows Vista (32-bit and 64-bit)
- Macintosh OS X v10.3.9, and above

Software for Windows

Windows printer drivers

A printer driver is the software that provides access to printer features and provides the means for the computer to communicate with the device.

Printer preferences (driver)

Printer preferences control the device. You can change the default settings, such as media size and type, printing multiple pages on a single sheet of media (N-up printing), resolution, and watermarks. You can access the printer preferences in the following ways:

- Through the software application that you are using to print. This only changes the settings for the current software application.
- Through the Windows operating system. This changes the default settings for all future print jobs.

 **NOTE:** Because many software applications use a different method of accessing the printer properties, the following section describes the most common methods used in Windows 2000 and Windows XP.

Printer properties online Help

The printer properties online Help, also called the driver Help, includes specific information about the functions in the printer properties. This online Help guides you through the process of changing your printer default settings. For some drivers, online Help provides context-sensitive help that describes the options for the driver feature you are currently using.

To access the printer properties online Help

1. From the software application, click **File**, and then click **Print**.
2. Click **Properties**, and then click **Help**.

Print-setting priorities

There are two ways to change print settings for this device: in the software application or in the printer driver. Changes made in the software application override settings changed in the printer driver. Within a software application, changes made in the **Page Setup** dialog box override changes made in the **Print** dialog box.

If more than one method is available to change a particular print setting, use the method that has the highest priority.

Additional Windows driver types (HP LaserJet P1500 network models)

The HP LaserJet P1500 network models also feature an available PCL 5e printer driver. Use the Add Printer feature to install the driver.

Install the Windows printer software

To install printer software for Windows Server 2003

See the operating system documentation for instructions on installing a printer driver.

To install printer software for Windows 2000 and XP

Insert the software CD that came with the device into the computer CD-ROM drive. Follow the onscreen installation instructions to install the printer software.

 **NOTE:** If the Welcome screen does not open, click **Start** on the Windows taskbar, click **Run**, type `z:\setup` (where `z` is your CD drive letter), and click **OK**.

Change printer-driver settings for Windows

To change the settings for all print jobs until the software program is closed	To change the default settings for all print jobs	To change the device configuration settings
<ol style="list-style-type: none">1. On the File menu in the software program, click Print.2. Select the driver, and then click Properties or Preferences. <p>The steps can vary; this procedure is most common.</p>	<ol style="list-style-type: none">1. Click Start, click Settings, and then click Printers (Windows 2000) or Printers and Faxes (Windows XP Professional and Server 2003) or Printers and Other Hardware Devices (Windows XP Home). For Windows Vista, click Start, click Control Panel, and then click Printer.2. Right-click the driver icon, and then select Printing Preferences.	<ol style="list-style-type: none">1. Click Start, click Settings, and then click Printers (Windows 2000) or Printers and Faxes (Windows XP Professional and Server 2003) or Printers and Other Hardware Devices (Windows XP Home). For Windows Vista, click Start, click Control Panel, and then click Printer.2. Right-click the driver icon, and then select Properties.3. Click the Device Settings tab.

Embedded Web server (HP LaserJet P1500 network models only)

You can use the embedded Web server to configure the device, view status information, and obtain problem-solving information.

See [HP Embedded Web Server \(network-ready models only\) on page 20](#) for more information.

Software for Macintosh

Macintosh printer drivers

A printer driver is the software component that provides access to printer features and provides the means for the computer to communicate with the device.

Install the Macintosh printer driver

This section explains how to install the printing system software for Macintosh OS X v10.3.9, and above.

1. Insert the software CD into the CD-ROM drive and run the installer.
2. Double-click the CD icon on the desktop

3. Double-click the **Installer** icon.
4. Follow the instructions on the computer screen.
5. Print a test page or a page from any software program to make sure that the software is correctly installed.

If installation fails, reinstall the software. If this fails, see the Known Issues and Workarounds section of the Install Notes. The Install Notes are located on the software CD or at the support Web site (www.hp.com/support/ljP1000 or www.hp.com/support/ljP1500).

Configure the Macintosh print driver

Use one of the following methods to open the Macintosh printer driver from your computer:

Operating System	To change the settings for all print jobs until the software program is closed	To change the print job default settings (for example, turn on Print on Both Sides by default)	To change the configuration settings (for example, add a tray or enable/disable manual two-sided printing)
Macintosh OS X v10.3.9	<ol style="list-style-type: none"> 1. On the File menu, click Print. 2. Change the settings that you want on the various pop-up menus. 	<ol style="list-style-type: none"> 1. On the File menu, click Print. 2. Change the settings that you want on the various pop-up menus. 3. On the Presets pop-up menu, click Save as and type a name for the preset. <p>These settings are saved in the Presets menu. To use the new settings, you must select the saved preset option every time you open a program and print.</p>	<ol style="list-style-type: none"> 1. Open Printer Setup Utility by selecting the hard drive, clicking Applications, clicking Utilities, then double-clicking Printer Setup Utility. 2. Click the print queue. 3. On the Printers menu, click Show Info.
Macintosh OS X v10.4.3 and above	<ol style="list-style-type: none"> 1. On the File menu, click Print. 2. Change the settings that you want on the various pop-up menus. 	<ol style="list-style-type: none"> 1. On the File menu, click Print. 2. Change the settings that you want on the various pop-up menus. 3. On the Presets pop-up menu, click Save as and type a name for the preset. 4. These settings are saved in the Presets menu. To use the new settings, you must select the saved preset option every time you open a program and print. 	<ol style="list-style-type: none"> 1. Open Printer Setup Utility by selecting the hard drive, clicking Applications, clicking Utilities, then double-clicking Printer Setup Utility. 2. Click the print queue. 3. On the Printers menu, click Show Info.

CD language groupings

The following table presents the Windows language groups that are included on the software CD for the product.

Table 1-1 CD language groupings for Windows installation

CD	Languages
Rest of World CD	• Arabic
	• Bulgarian
	• Catalan
	• Croatian
	• Czech
	• Danish
	• Dutch
	• English
	• Estonian
	• Finnish
	• French
	• German
	• Greek
	• Hebrew
	• Hungarian
	• Italian
	• Kazakh
	• Latvian
	• Lithuanian
	• Norwegian
	• Polish
	• Portuguese, Brazilian
	• Romanian
	• Russian
	• Serbian
	• Slovak
	• Slovenian
• Spanish	
• Swedish	
• Turkish	
• Ukrainian	
Asia CD	• English
	• Korean

Table 1-1 CD language groupings for Windows installation (continued)

CD	Languages
	<ul style="list-style-type: none"><li data-bbox="539 226 767 254">• Simplified Chinese<li data-bbox="539 279 628 306">• Thai<li data-bbox="539 331 767 359">• Traditional Chinese<li data-bbox="539 384 699 411">• Vietnamese

Ordering software

If you need a replacement CD or a newer version of the product software, go to the following Web site:

www.hp.com/support/ljP1000 or www.hp.com/support/ljP1500.

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

To request the software CD by phone, see the following Web site for the correct contact number for your country/region:

www.hp.com/country/us/en/wwcontact.html

Documentation availability and localization

The documentation in the following table is available for the product.

Table 1-2 User documentation availability and localization

Document name	Languages	Location
<i>HP LaserJet P1000 and P1500 Series User Guide</i>	<ul style="list-style-type: none">• Arabic• Bahasa• Bulgarian• Catalan• Croatian• Czech• Danish• Dutch• English• Estonian• Finnish• French• German• Greek• Hebrew• Hungarian• Italian• Kazakh• Korean• Latvian• Lithuanian• Norwegian• Polish• Portuguese, Brazilian• Romanian• Russian• Simplified Chinese• Slovak• Slovenian• Spanish	<p>The HP LaserJet P1000 and P1500 Series User Guide is available in electronic format on the HP LaserJet P1000 and P1500 Series software CD.</p> <p>This guide is also available by clicking Manuals at the following Web sites:</p> <p>www.hp.com/support/ljP1000 or www.hp.com/support/ljP1500</p>

Table 1-2 User documentation availability and localization (continued)

	<ul style="list-style-type: none">• Swedish• Thai• Traditional Chinese• Ukrainian	
HP LaserJet P1000 and P1500 Series Welcome Mat	<ul style="list-style-type: none">• Arabic• Bahasa• Bulgarian• Catalan• Croatian• Czech• Danish• Dutch• English• Estonian• Finnish• French• German• Greek• Hebrew• Hungarian• Italian• Kazakh• Korean• Latvian• Lithuanian• Norwegian• Polish• Portuguese, Brazilian• Romanian• Russian• Simplified Chinese• Slovak• Slovenian• Spanish	<p>The HP LaserJet P1000 and P1500 Series Welcome Mat is available in electronic format on the HP LaserJet P1000 and P1500 Series software CD.</p> <p>This guide is also available by clicking Manuals at the following Web site:</p> <p>www.hp.com/support/ljP1000 or www.hp.com/support/ljP1500</p>

Table 1-2 User documentation availability and localization (continued)

	<ul style="list-style-type: none">• Swedish• Thai• Traditional Chinese• Ukrainian	
HP LaserJet P1000 and P1500 Series Printing-System Install Notes	English	The HP LaserJet P1000 and P1500 Series Printing-System Install Notes are available in electronic format on the HP LaserJet P1000 and P1500 Series software CD.

2 Software description

Introduction

The HP LaserJet P1000 and P1500 Series printer comes with software and installers for Windows and Macintosh systems. Linux systems also support the HP LaserJet P1000 and P1500 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:

- [Windows printing-system software](#)
- [HP Easy Printer Care](#)
- [HP Embedded Web Server \(network-ready models only\)](#)
- [HP Web Jetadmin](#)
- [HP Extended Capabilities](#)
- [Internal Fonts](#)

Windows printing-system software

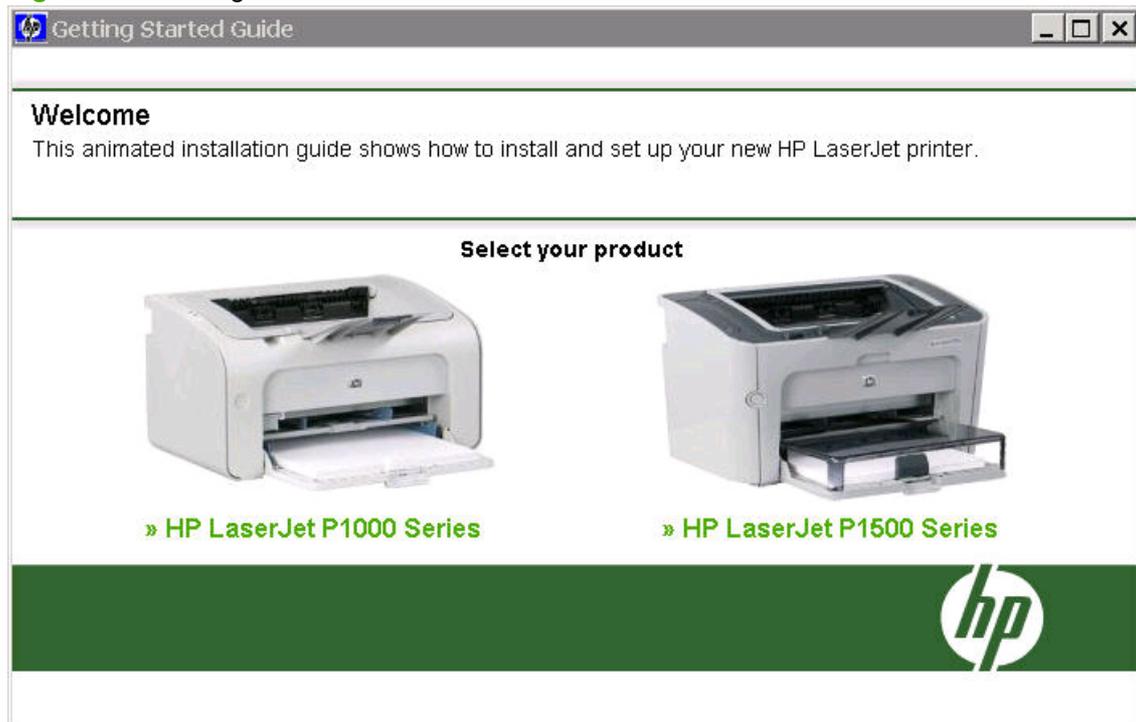
In Windows operating systems, insert the HP LaserJet P1000 and P1500 Series printing-system software CD in the CD-ROM drive to open an interactive CD browser. Use the CD browser to install the print drivers and related components, and to gain access to online user documentation and Adobe Acrobat Reader software.

The following figure shows the main screen of the HP LaserJet P1000 and P1500 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 Getting Started Guide — Welcome screen



Click on your product to launch an animated setup demonstration and to install the software for your product. For more information, see [Installing the software before the printer is connected to the computer on page 35](#).

HP Easy Printer Care

HP Easy Printer Care software is designed for end users and for those who keep printers up and running in small and large business groups. You can view the status of up to 15 supported HP LaserJet printers, set up printer and supply alerts, generate printer-usage reports, and reorder supplies from HP or a choice of resellers.

The HP Easy Printer Care Software is available through a link in the printing-system software CD, or on the Web at the following Web site:

www.hp.com/go/easyprintercare

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 P1505n 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 P1000 or P1500 Series printer is connected to the computer through the USB port, you do not have access to the HP EWS.

The following tabs are available in the HP EWS:

- [Information tab](#)
- [Settings tab](#)
- [Networking tab](#)

Information tab

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

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

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

Device Status page

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

The screenshot displays the HP Embedded Web Server (EWS) interface for an HP LaserJet P1505n printer. The page title is "HP LaserJet P1505n" and the IP address is "192.168.0.10". The navigation tabs are "Information", "Settings", and "Networking". The "Device Status" page is selected, showing a status of "Online" with a green checkmark icon. Below this is a "Supplies Summary" section with a table:

Supply	Level	Order HP Part:	Approximate Pages Remaining:
Black Cartridge	100%	CB436A	1998

A "Supplies Detail" button is located below the table. The page also includes "Shop for Supplies" and "Support" buttons.

Device Configuration page

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 shows the HP EWS interface for an HP LaserJet P1505n 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 sections: "Product Information", "Installed Personalities and Options", and "Page Counts".

Product Information	
Formatter Number:	KQ0007D
Product Serial Number:	DEBNB60012
Service ID:	17144
Firmware Datecode:	20070627
Total Memory:	32 MBytes
Available Memory:	20 MBytes
Max Monochrome Print Quality:	FastRes 1200
Host Name:	NPIA0573A
Hardware Address:	0018FEA0573A
IPv4 Address:	192.168.0.10
IPv6 Address:	FE80:0:0:0:218:FEFF:FEA0:573A

Page Counts	
Total Pages Printed	15555
Total Input Jams	2
Total Output Jams	1
Total Cartridge Jams	0
Narrow Media Page Count	15530
Pages per Job	1.00

Supplies Status page

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

The screenshot shows the HP EWS interface for an HP LaserJet P1505n printer, specifically the "Supplies Status" page. It features a navigation menu on the left and a main content area with sections for "Ordering Information" and "Return & Recycling".

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: CB436A

Approximate Pages Remaining: 1998
(Pages remaining will vary depending on the types of documents printed.)

Low Reached: No
Serial Number: 541263361
Pages printed with this supply: 2
First Install Date: Unknown
Last Use Date: 20070814

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 page

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

The screenshot displays the HP Embedded Web Server (EWS) interface for an HP LaserJet P1505n printer. The page is titled "Network Summary" and is part of the "Networking" tab. The interface includes a navigation menu on the left with options like "IPv4 Configuration", "IPv6 Configuration", "Advanced", "Bonjour", "Password", "SNMP", and "Network Summary". The main content area is divided into sections: "Network Hardware Configuration" and "Enabled Features".

Network Hardware Configuration	
Hardware Address:	0018FEA0573A
Firmware Datecode:	20070627
Link Settings:	Auto
Link Speed:	100TX Full
IO Timeout:	120

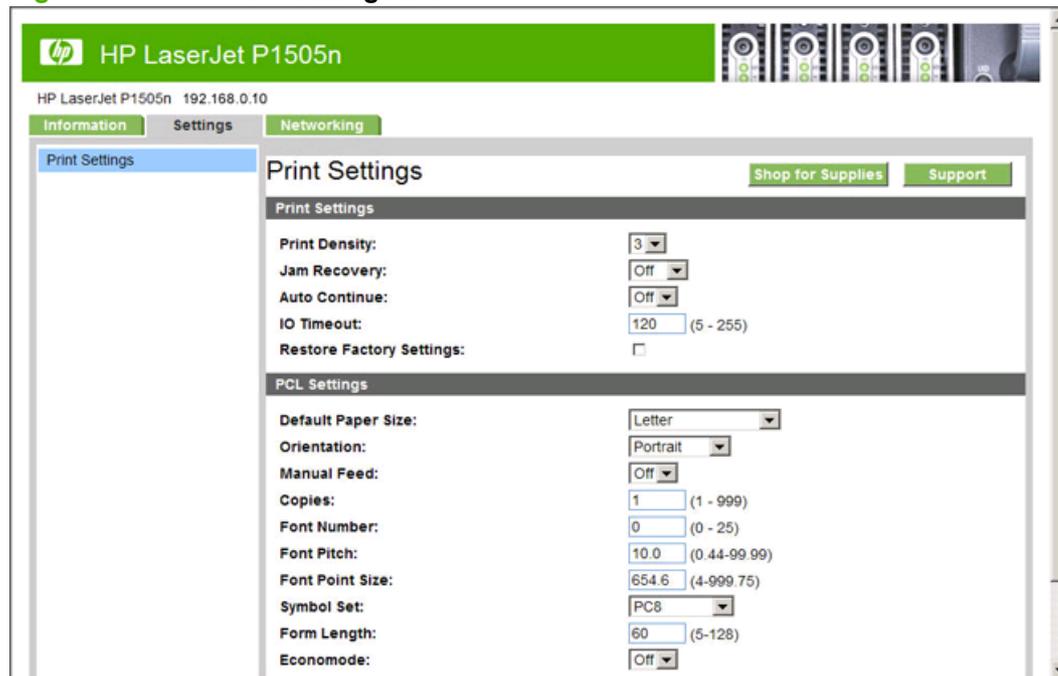
Enabled Features	
Password	Not Specified
SLP Config	Enabled
DHCP	Enabled
BootP	Disabled
AutoIP	Enabled
Raw Port Printing	Enabled
LPD Printing	Enabled
Enable Bonjour	Enabled
SNMP	Enabled

TCP/IP(v4)	
Host Name:	NPIA0573A
Domain Name:	your company
IP Configured By:	DHCP
IPv4 Address:	192.168.0.10

Settings tab

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

Figure 2-6 HP EWS – **Settings** tab



Networking tab

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

IPv4 Configuration page

Figure 2-7 HP EWS – IPv4 Configuration page

The screenshot shows the HP EWS interface for an HP LaserJet P1505n printer. The page title is "IPv4 Configuration". A warning message states: "Warning: A change in the IP Address will result in loss of connectivity to the browser." The "IP Configured By:" is set to "DHCP". The "Host Name:" is "NPIA0573A" and the "Domain Name:" is "your company". Under "IP Address Configuration", "Automatic IP" is selected. The "DHCP" checkbox is checked, while "BootP" and "AutoIP" are unchecked. The "Manual IP Address:" is "192.168.0.10", the "IP Subnet Mask:" is "255.255.255.0", and the "Manual Default Gateway:" is "192.168.0.1". Under "WINS Address Configuration", "Automatic WINS Server" is selected, and "Manual WINS Server" is unselected. The left sidebar shows "IPv4 Configuration" as the active menu item, with other options like "IPv6 Configuration", "Advanced", "Bonjour", "Password", "SNMP", and "Network Summary".

IPv6 Configuration page

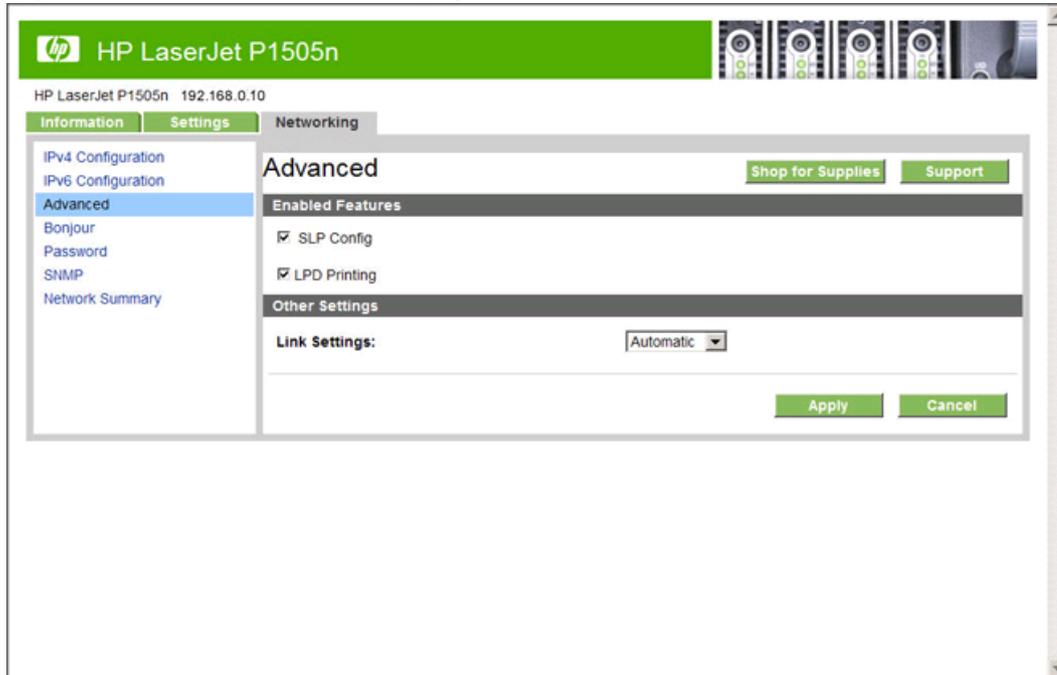
Figure 2-8 HP EWS – IPv6 Configuration page

The screenshot shows the HP EWS interface for an HP LaserJet P1505n printer, specifically the "IPv6 Configuration" page. The "IPv6" checkbox is checked and labeled "Enable". The "Host Name:" is "NPIA0573A". Under "Link-Local", the "Address" is "FE80:0:0:218:FEFF:FEA0:57" and the "Prefix Length" is "64". There are two "Stateless (from Router)" fields, both set to "0", and two "Stateful (from DHCPv6)" fields, both set to "0". Under "DHCPv6 Addressing Preferences", "Always perform on startup" is selected, and "Perform when stateless configuration is unsuccessful" is unselected. The "Apply" and "Cancel" buttons are visible at the bottom right. The left sidebar shows "IPv6 Configuration" as the active menu item, with other options like "IPv4 Configuration", "Advanced", "Bonjour", "Password", "SNMP", and "Network Summary".

Advanced page

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

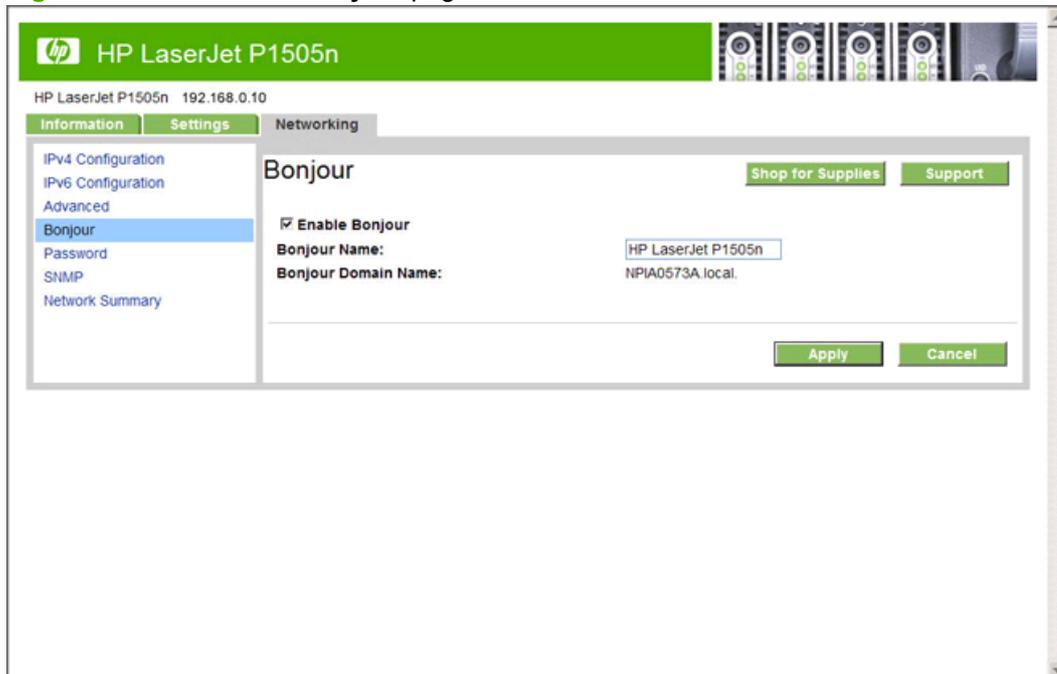
Figure 2-9 HP EWS – **Advanced** page



Bonjour page

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

Figure 2-10 HP EWS – **Bonjour** page



Password page

Use this page to set or change the administrator password.

Figure 2-11 HP EWS – Password page

The screenshot shows the HP Embedded Web Server (EWS) interface for an HP LaserJet P1505n printer. The page title is "HP LaserJet P1505n" and the IP address is "192.168.0.10". The "Settings" tab is selected, and the "Password" page is active. The left sidebar contains a menu with "Password" highlighted. The main content area is titled "Password" and includes a "Shop for Supplies" and "Support" button. Below the title, there is a warning: "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." The "User Name" field is set to "Admin". The "Password" and "Confirm Password" fields are masked with dots. "Apply" and "Cancel" buttons are at the bottom right.

SNMP settings

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

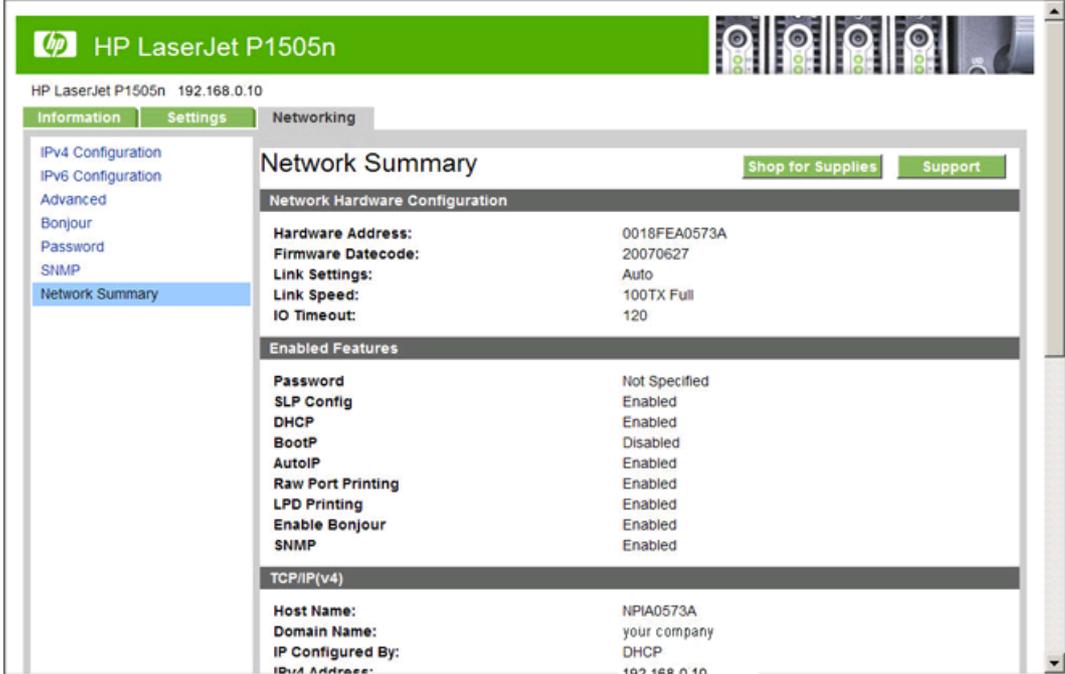
Figure 2-12 HP EWS – SNMP page

The screenshot shows the HP Embedded Web Server (EWS) interface for an HP LaserJet P1505n printer. The page title is "HP LaserJet P1505n" and the IP address is "192.168.0.10". The "Settings" tab is selected, and the "SNMP" page is active. The left sidebar contains a menu with "SNMP" highlighted. The main content area is titled "SNMP" and includes a "Shop for Supplies" and "Support" button. Below the title, there is a caution: "Caution: Changing these settings can potentially disrupt network scanning, network faxing (if supported by your device), or other network functionality". There are three radio button options: "Enable SNMP v1/v2 read-write access" (selected), "Enable SNMP v1/v2 read-only access (uses 'public' for the Get Community Name)", and "Disable SNMP v1/v2". The "Enable SNMP v1/v2 read-write access" option has four text input fields for "Set Community Name", "Confirm Set Community Name", "Get Community Name", and "Confirm Get Community Name", all masked with dots. A checkbox "Disable SNMP v1/v2 default Get Community Name of 'public'" is also present. "Apply" and "Cancel" buttons are at the bottom right.

Network Summary page

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

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



The screenshot displays the HP EWS interface for an HP LaserJet P1505n printer. The page is titled "Network Summary" and includes a left-hand navigation menu with options like "IPv4 Configuration", "IPv6 Configuration", "Advanced", "Bonjour", "Password", "SNMP", and "Network Summary". The main content area is divided into sections: "Network Hardware Configuration" and "Enabled Features".

Network Hardware Configuration

Hardware Address:	0018FEA0573A
Firmware Datecode:	20070627
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
SNMP	Enabled

TCP/IP(v4)

Host Name:	NPIA0573A
Domain Name:	your company
IP Configured By:	DHCP
IPv4 Address:	192.168.0.10

HP Web Jetadmin

Use the HP Web Jetadmin and a Web 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

HP Extended Capabilities

When you install the HP LaserJet P1000 and P1500 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.

Internal Fonts

The following section lists the fonts that are internal to the HP LaserJet P1505n.

- Albertus Extra Bold
- Albertus Medium
- CG Times
- CG Times Bold
- CG Times Bold Italic
- CG Times Italic
- Courier
- Courier Bold
- Courier Bold Italic
- Courier Italic
- Letter Gothic
- Letter Gothic Bold
- Letter Gothic Italic
- Univers Bold
- Univers Bold Condensed
- Univers Bold Condensed Italic
- Univers Bold Italic
- Univers Medium
- Univers Medium Condensed
- Univers Medium Condensed Italic
- Univers Medium Italic
- Wingdings

3 Install Windows printing-system components

 **NOTE:** This chapter covers information about the HP LaserJet P1000 and P1500 Series printing-system software for Windows. For information about Macintosh installations, see [Macintosh software and utilities on page 103](#).

This chapter provides information about the following topics:

- [Installation overview](#)
- [Windows installation instructions](#)
- [Installation options](#)
- [Uninstall](#)

Installation overview

The software for the HP LaserJet P1000 and P1500 Series is shipped on one CD. On Windows systems, the Setup program installs the HP LaserJet P1000 or P1500 Series printing-system software from the CD onto the hard disk and updates the Windows files.

On all of the supported platforms, a series of query dialog boxes guides you through the installation process. You are asked to provide information about your computer environment. The Installer guides you through the installation, whether you are configuring a directly-connected (USB) or a networked product.

Windows installation instructions

HP recommends that you install the software before connecting the product to the computer. However, it is possible to install the software if the product is already connected by using Plug-n-Play option from within the Add Printer Wizard. The following sections show the dialog box options that appear during the HP LaserJet P1000 and P1500 Series printing-system software installation on Windows operating systems.

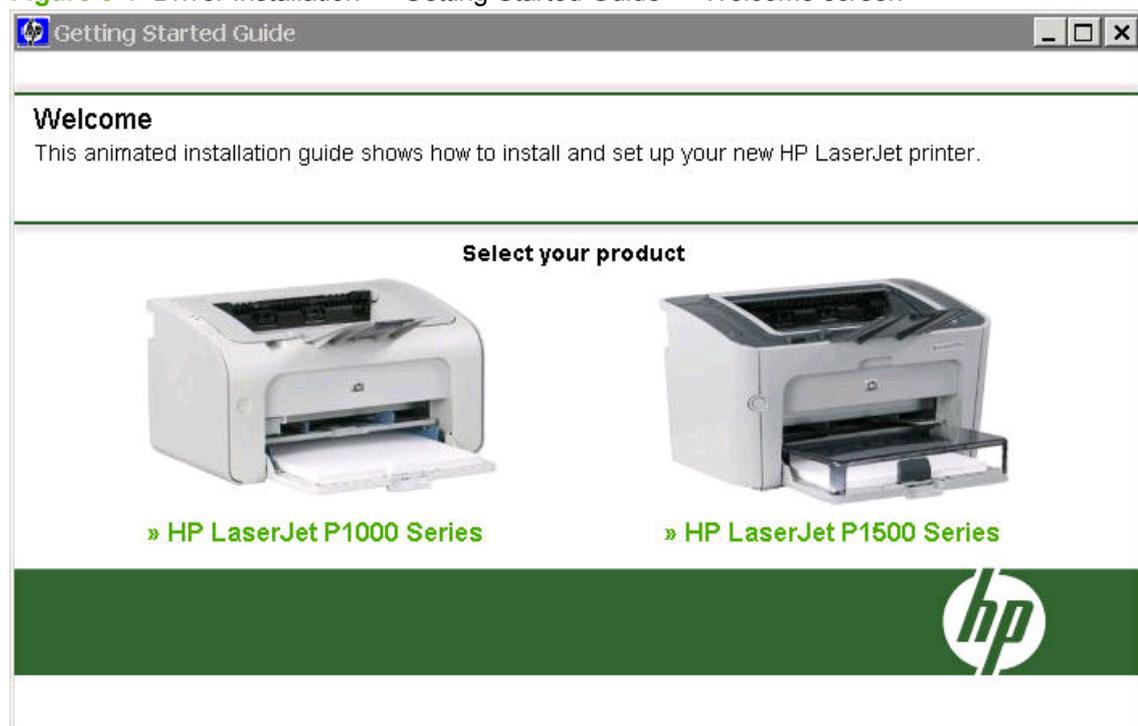
Installing the software before the printer is connected to the computer

 **NOTE:** HP recommends that you install the software before connecting the product to the computer (software-first installation).

These instructions are intended to be used the first time that you install the HP LaserJet P1000 or P1500 Series printing-system software.

NOTE: Unless otherwise noted, the following installation instructions apply to all models of the HP LaserJet P1000 and P1500 Series.

Figure 3-1 Driver Installation — Getting Started Guide — Welcome screen



STEP 1

Select your product (**HP LaserJet P1000 Series** or **HP LaserJet P1500 Series**) from the **Getting Started Guide — Welcome** dialog box.

Selecting **HP LaserJet P1000 Series** takes you to the **Software Wizard — Welcome** dialog box (Step 4).

Selecting **HP LaserJet P1500 Series** takes you to the **Select Your Connection** dialog box (Step 2).

Figure 3-2 Driver Installation — Select Your Connection screen



STEP 2

Select the appropriate type of connection (**USB** or **Network**) for your product.

 **NOTE:** This option is only available if you select the HP LaserJet P1500 Series printer.

Figure 3-3 Driver Installation — Begin Setup screen



STEP 3

Home returns you to the Welcome dialog box (Step 1).

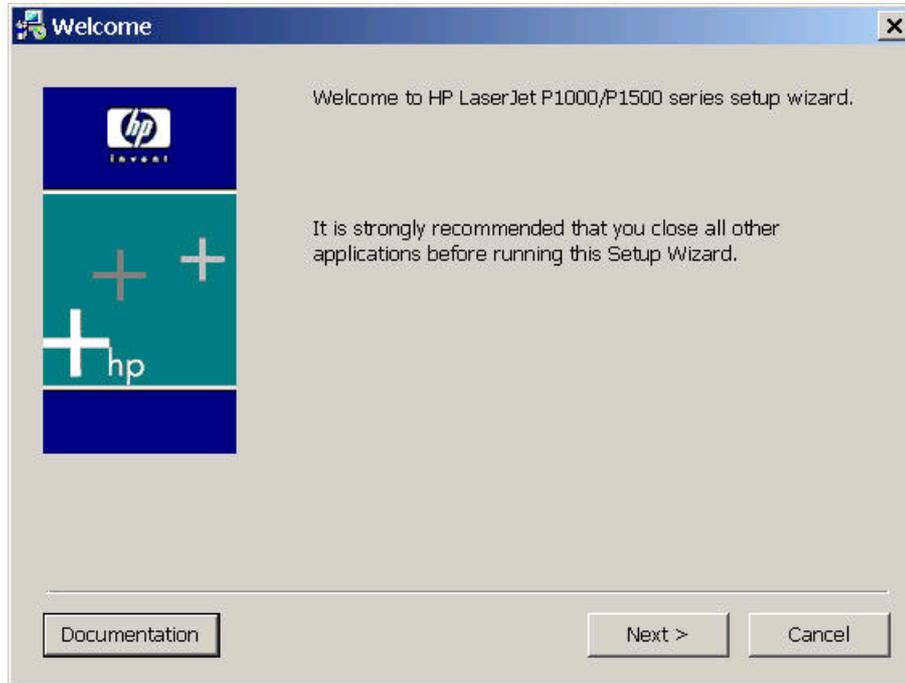
Install Printer Software skips the product setup process and opens the Software Wizard (Step 4).

View User Guide provides additional information about your product.

Begin Setup provides detailed instructions about how to setup your product.

 **NOTE:** It may be necessary to reboot your computer at the end of the software installation process. Ensure all applications are closed before installing the software.

Figure 3-4 Driver Installation — Software Wizard — Welcome screen



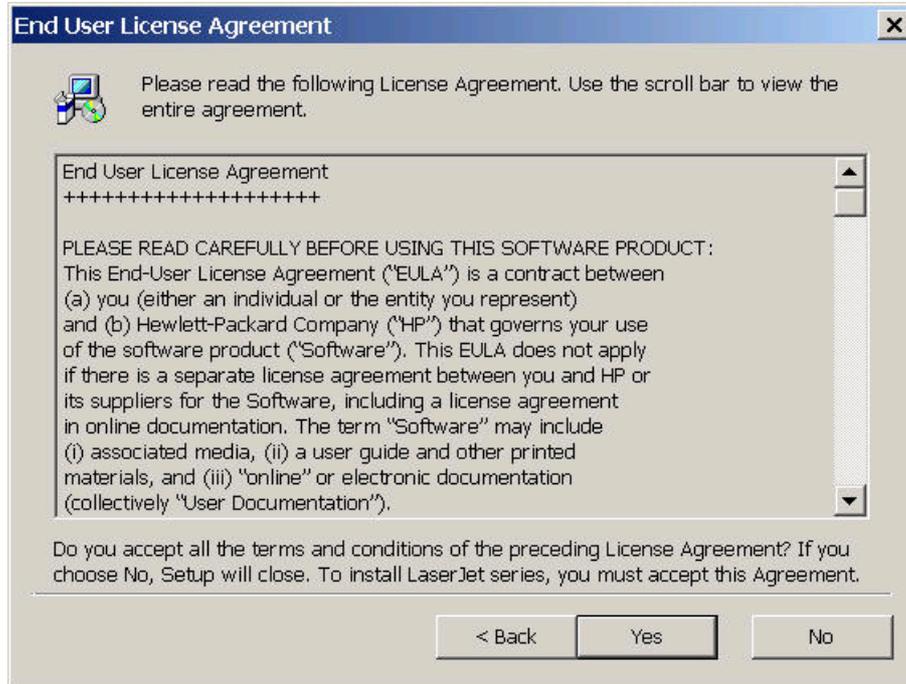
STEP 4

Documentation launches the **Hewlett-Packard LaserJet P1000/P1500 Series Install Notes** in your Web browser.

Next takes you to the **End User License Agreement** dialog box (Step 5).

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-5 Driver Installation — End User License Agreement screen



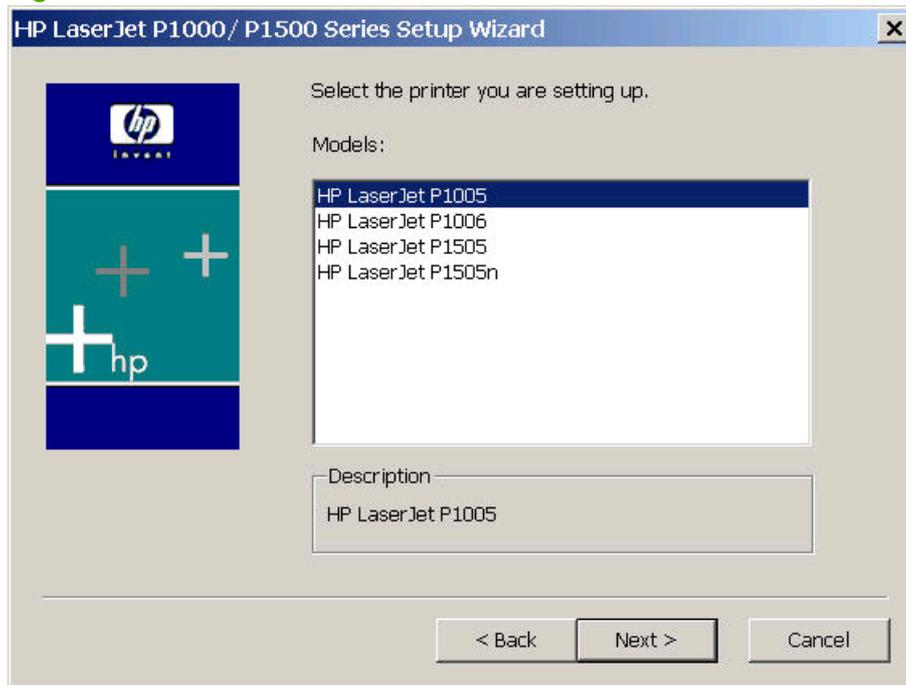
STEP 5

Back returns you to the **Welcome** dialog box (Step 4).

Yes takes you to the **Select the Printer** dialog box (Step 6).

No takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-6 Driver Installation — Select the Printer screen



STEP 6

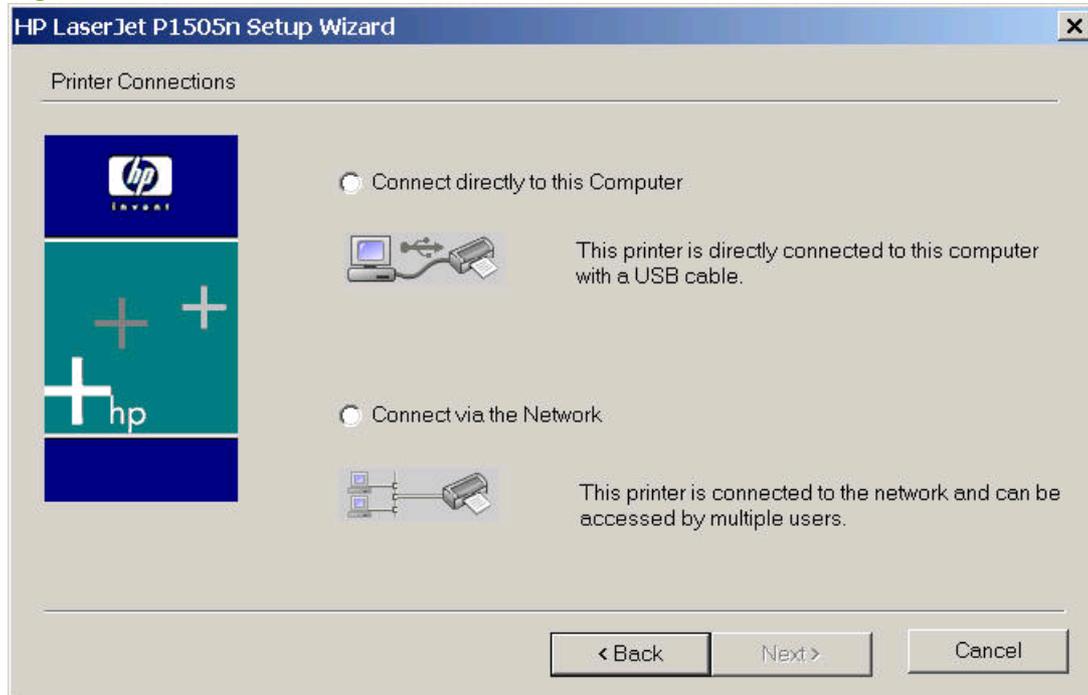
Back returns you to the **End User License Agreement** dialog box (Step 5).

Next takes you to the **Setup Settings** dialog box (Step 17) if you select the **HP LaserJet P1005**, **HP LaserJet P1006** or **HP LaserJet P1505**, or to the **Printer Connections** dialog box (Step 7) if you select the **HP LaserJet P1505n**.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

 **NOTE:** Steps 7–16 are only available if you select the HP LaserJet P1505n.

Figure 3-7 Driver Installation — Printer Connections screen



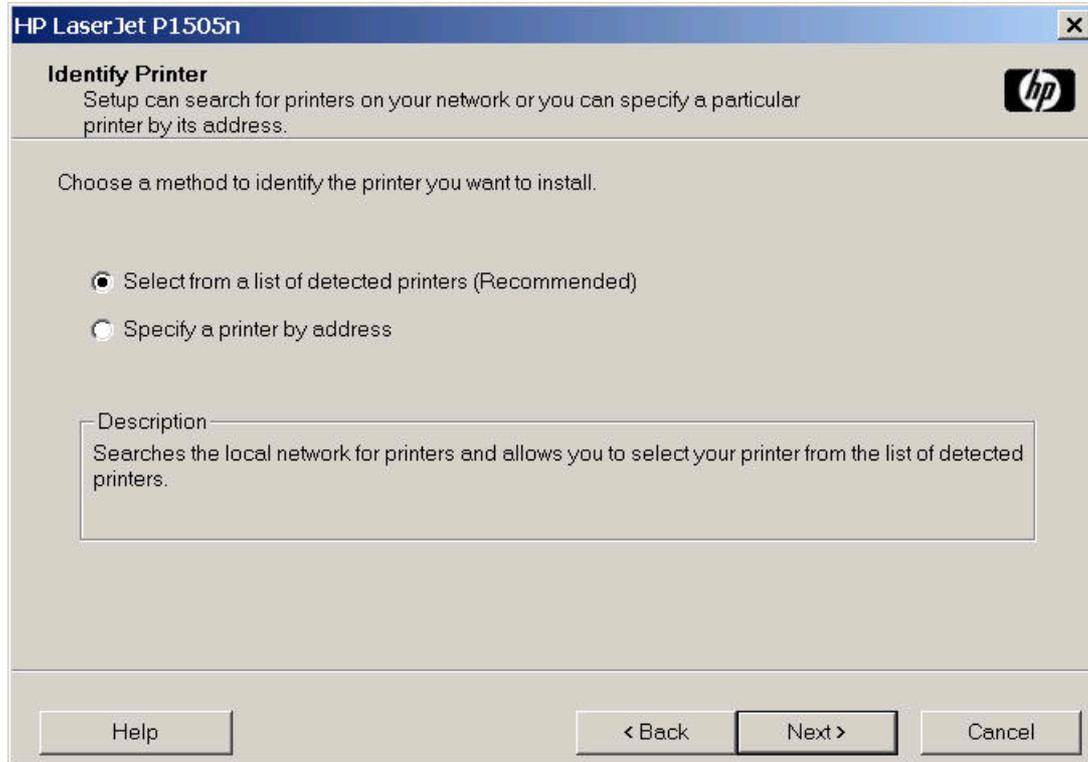
STEP 7

Back returns you to the **Select the Printer** dialog box (Step 6).

Next takes you to the **Setup Settings** dialog box (Step 17) if you select **Connect Directly to this Printer**, or to the **Identify Printers** dialog box (Step 8) if you select **Connect Via the Network**.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-8 Driver Installation — Identify Printer screen



STEP 8

Help launches the **Identify Printer** troubleshooting tips in your Web browser.

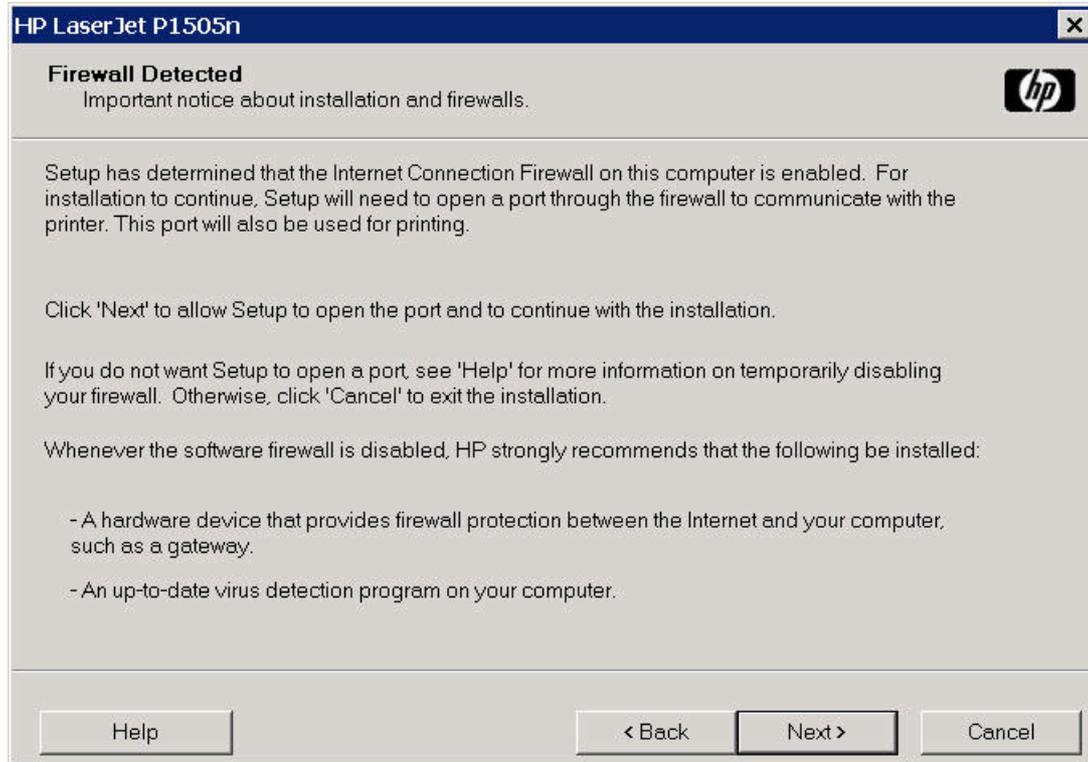
Back returns you to the **Printer Connections** dialog box (Step 7).

Next takes you to the **Specify Printer** dialog box (Step 12) if you select **Specify a Printer by Address**, or to one of the three following dialog boxes if you select **Select from a List of Detected Printers (Recommended)**:

- The **Firewall Detected** dialog box (Step 9) may appear if the Window's Internet Connection Firewall port used by the printer is closed.
- The **Printer Not Found** dialog box (Step 10) may appear if the computer is unable to communicate with the printer.
- The **Printer Found** dialog box (Step 11) may appear if the computer is able to communicate with the printer.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-9 Driver Installation — Firewall Detected



STEP 9

Help launches the **Firewall Detected** troubleshooting tips in your Web browser.

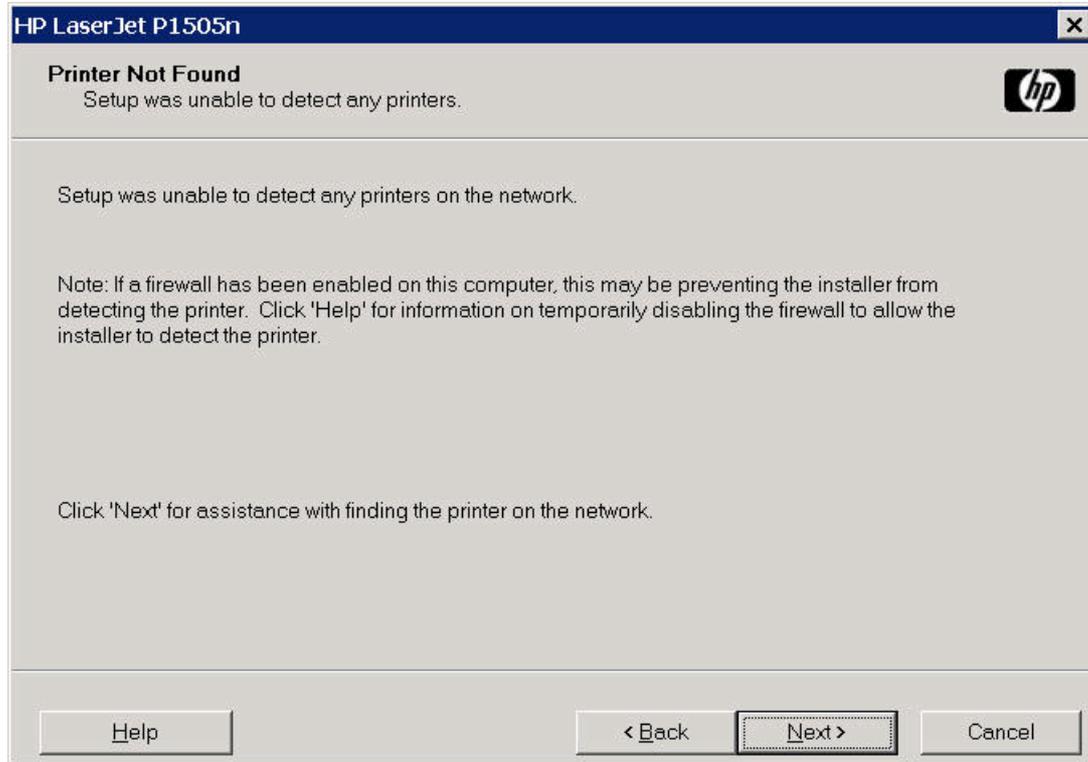
Back returns you to the **Identify Printer** dialog box (Step 8).

Next takes you to the **Specify Printer** dialog box (Step 12) if you select **Specify a Printer by Address**, or to one of the three following dialog boxes if you select **Select from a List of Detected Printers (Recommended)**:

- The **Firewall Detected** dialog box (Step 9) may appear if the Window's Internet Connection Firewall port used by the printer is closed.
- The **Printer Not Found** dialog box (Step 10) may appear if the computer is unable to communicate with the printer.
- The **Printer Found** dialog box (Step 11) may appear if the computer is able to communicate with the printer.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-10 Driver Installation — Printer Not Found screen



STEP 10

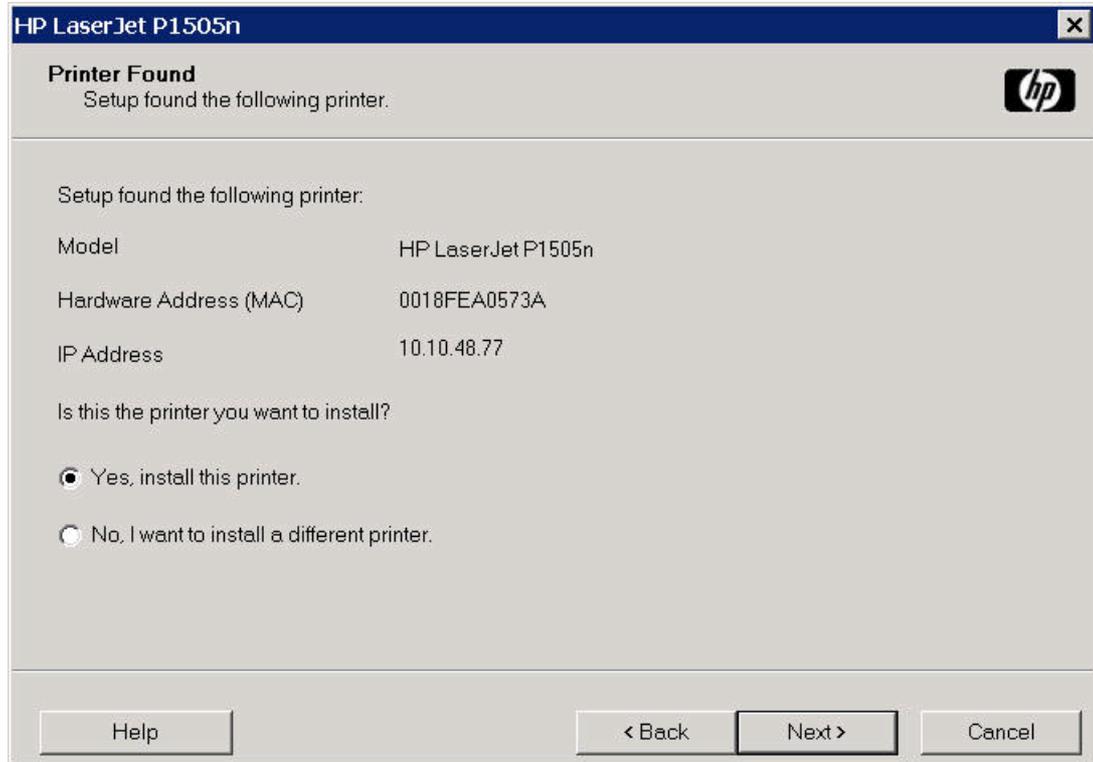
Help launches the **Printer Not Found** troubleshooting tips in your Web browser.

Back returns you to either the **Identify Printer** dialog box (Step 8) or the **Firewall Detected** dialog box (Step 9) depending on the configuration of the Window's Internet Connection Firewall port.

Next takes you to the **Check Printer Connection** dialog box (Step 13).

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-11 Driver Installation — Printer Found screen



STEP 11

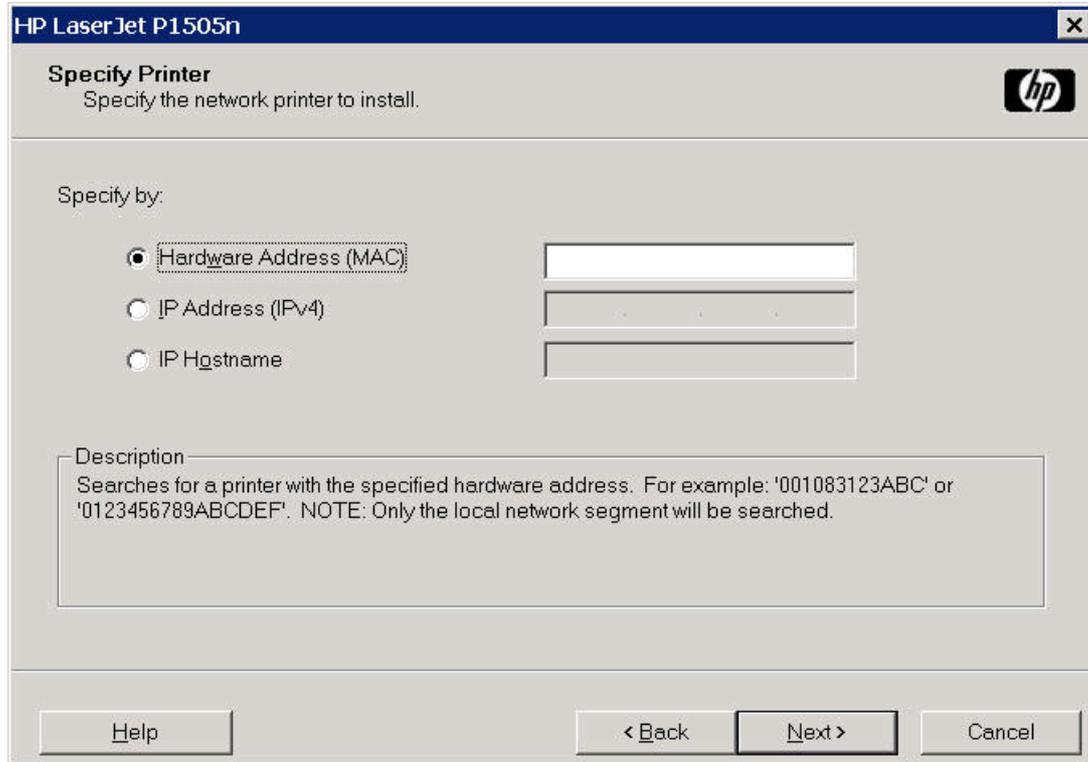
Help launches the **Printer Found** troubleshooting tips in your Web browser.

Back returns you to either the **Identify Printer** dialog box (Step 8) or the **Firewall Detected** dialog box (Step 9) depending on the configuration of the Window's Internet Connection Firewall port.

Next takes you to the **Confirm Network Settings** dialog box (Step 14) if you select **Yes**, or to the **Check Printer Connection** dialog box (Step 13) if you select **No**.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-12 Driver Installation — Specify Printer screen



STEP 12

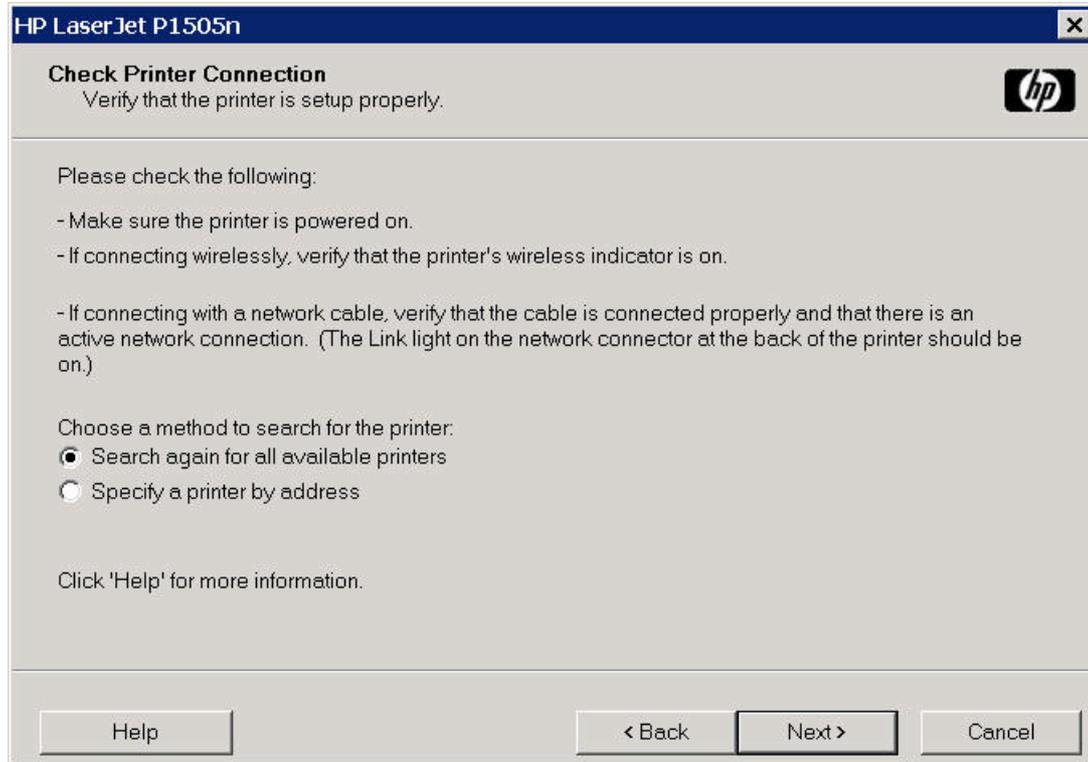
Help launches the **Specify Printer** troubleshooting tips in your Web browser.

Back returns you to either the **Identify Printer** dialog box (Step 8) or the **Firewall Detected** dialog box (Step 9) depending on the configuration of the Window's Internet Connection Firewall port.

Next takes you to the **Printer Found** dialog box (Step 11) if a valid Hardware Address, IP Address, or IP Hostname is inserted and the computer can communicate with the printer, or to the **Printer Not Found** dialog box (Step 10) if an invalid Hardware Address, IP Address, or IP Hostname is inserted or the computer cannot communicate with the printer.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-13 Driver Installation — Check Printer Connection screen



STEP 13

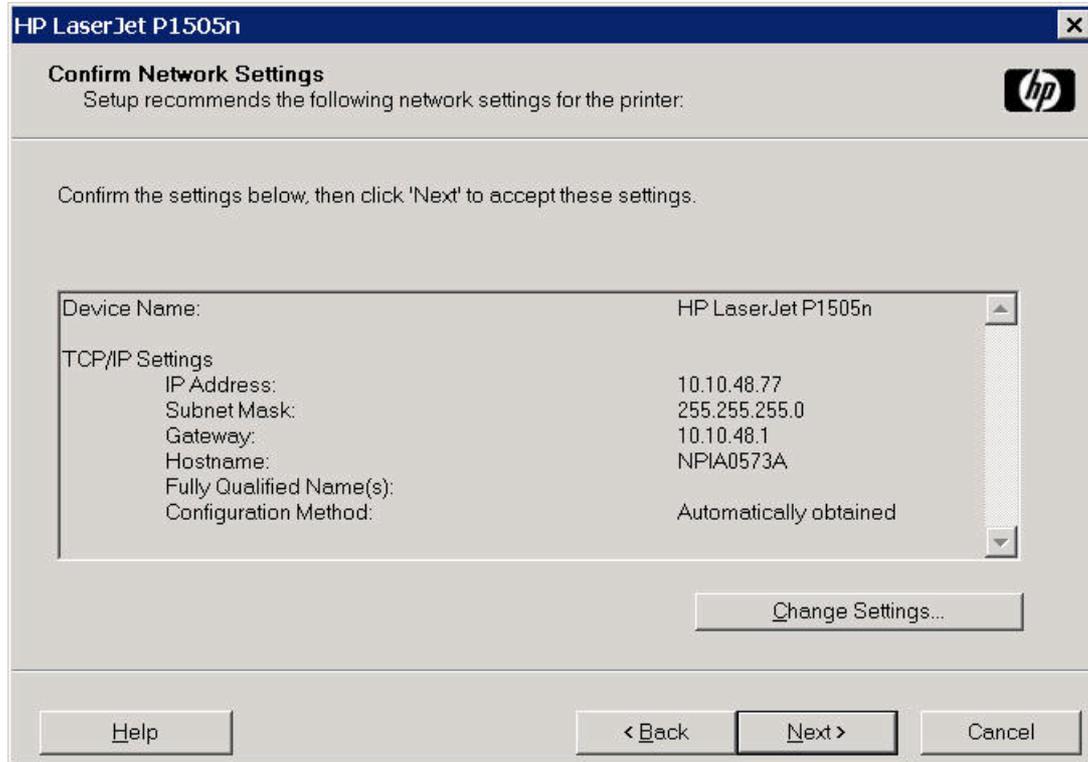
Help launches the **Check Printer Connection** troubleshooting tips in your Web browser.

Back returns you to either the **Printer Not Found** dialog box (Step 10).

Next takes you to the **Specify Printer** dialog box (Step 12) if you select **Specify a Printer by Address**, or will try again to detect your printer on the network if you select **Search Again for All Available Printers**. If a printer can be found on the network, you will be taken to the **Printer Found** dialog box (Step 11), or if one cannot be found, you will be taken to the **Printer Not Found** dialog box (Step 10).

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-14 Driver Installation — Confirm Network Settings screen



STEP 14

Help launches the **Confirm Network Settings** troubleshooting tips in your Web browser.

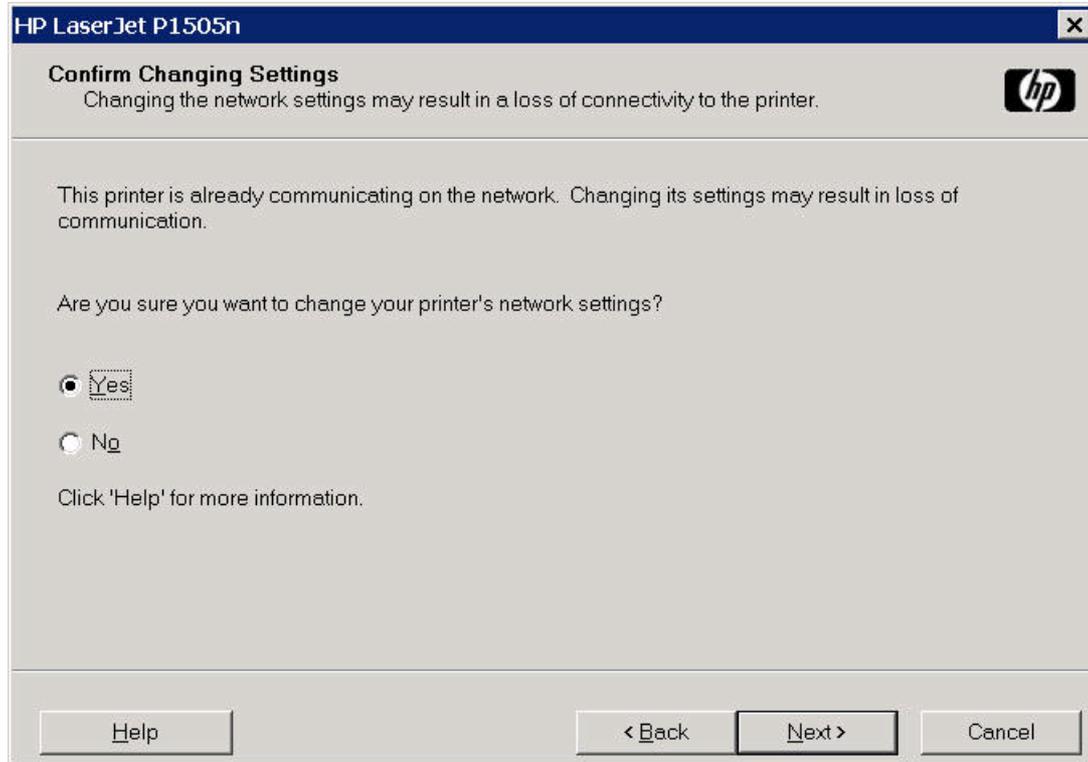
Change Settings takes you to the **Confirm Change Settings** dialog box (Step 15).

Back returns you to the **Printer Found** dialog box (Step 11).

Next takes you to the **Setup Settings** dialog box (Step 17).

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-15 Driver Installation — Confirm Change Settings screen



STEP 15

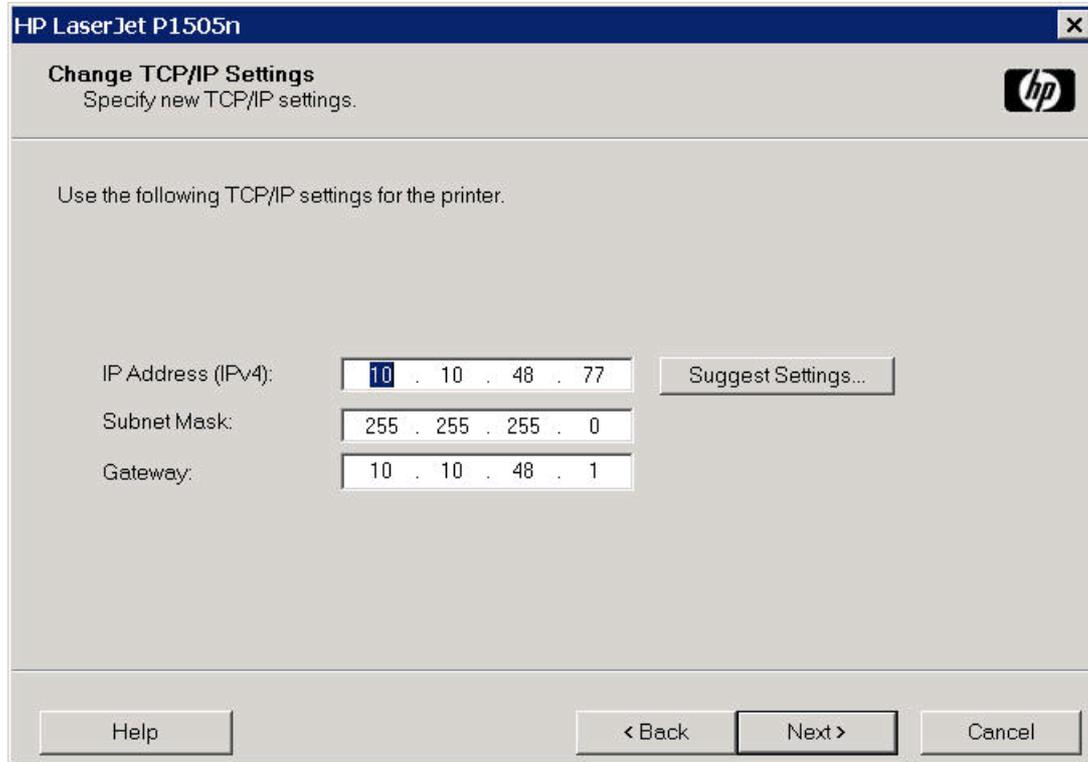
Help launches the **Verify Settings** troubleshooting tips in your Web browser.

Back returns you to either the **Confirm Network Settings** dialog box (Step 14).

Next takes you to the **Change TCP/IP Settings** dialog box (Step 16) if you select **Yes**, or to the **Setup Settings** dialog box (Step 17) if you select **No**.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-16 Driver Installation — Change TCP/IP Settings screen



STEP 16

Help launches the **Change TCP/IP Settings** troubleshooting tips in your Web browser.

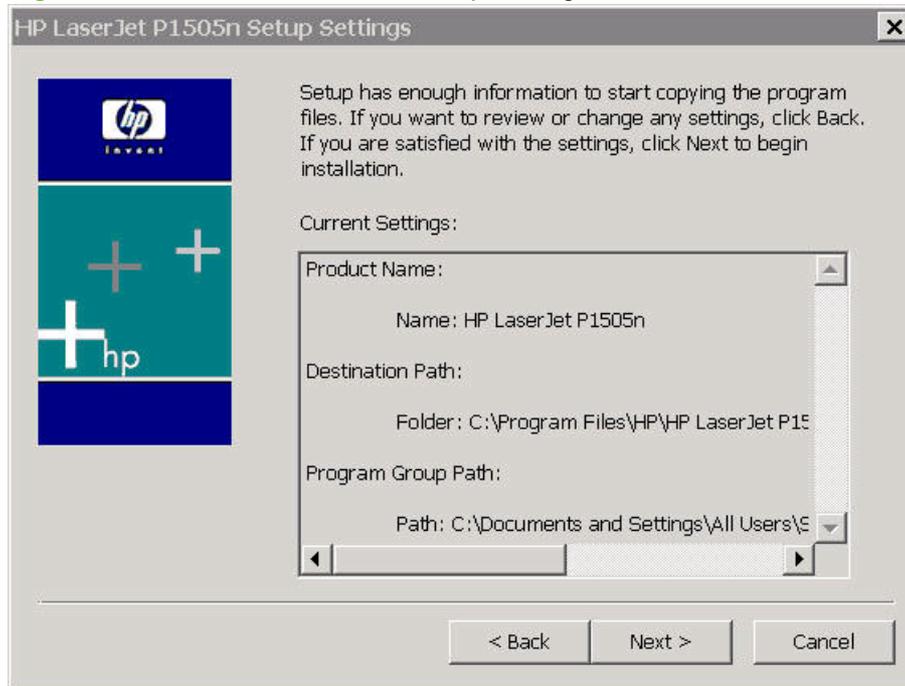
Suggest Settings allows the installation utility to automatically enter the TCP/IP parameters.

Back returns you to the **Confirm Change Settings** dialog box (Step 15).

Next takes you to the **Confirm Change Settings** dialog box (Step 15).

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-17 Driver Installation — Setup Settings screen



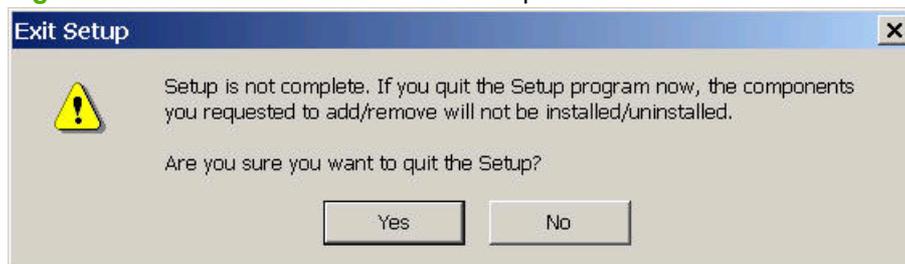
STEP 17

Back returns you to the **Printer Connections** dialog box (Step 7).

Next takes you to the **HP Extended Capabilities** dialog box (Step 19) once the software has been installed.

Cancel takes you to the **Exit Setup** dialog box (Step 18).

Figure 3-18 Driver Installation — Exit Setup screen

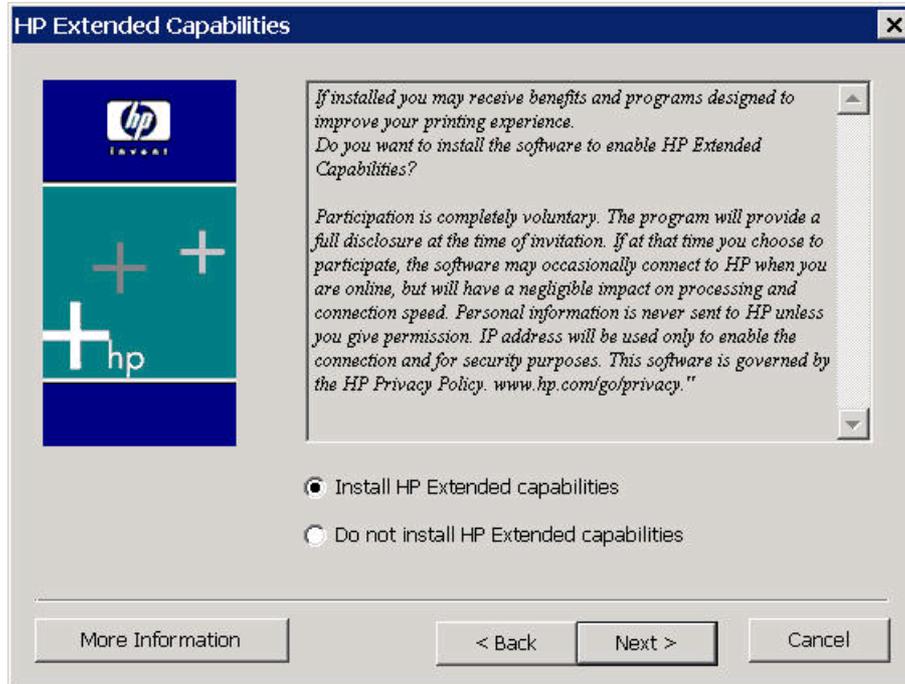


STEP 18

Yes cancels the software installation.

No returns you to the last open screen of the software install utility.

Figure 3-19 Driver Installation — HP Extended Capabilities screen



STEP 19

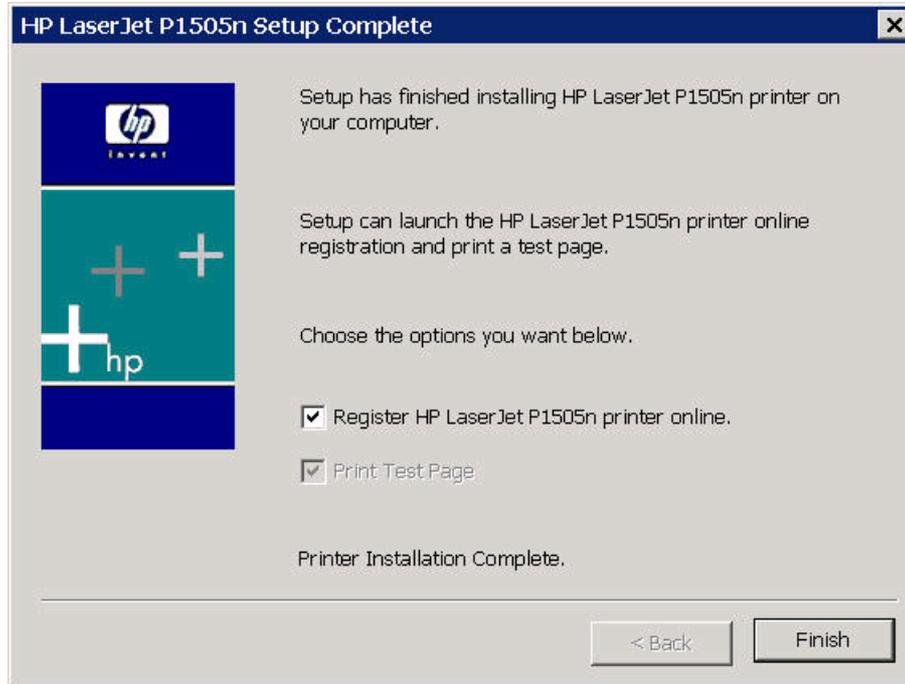
More Information provides additional details about the HP Extended Capabilities program.

Back returns you to the **Printer Connections** dialog box (Step 7).

Next takes you to the **Setup Complete** dialog box (Step 20).

Cancel takes you to the **Exit Setup** dialog box (Step 18).

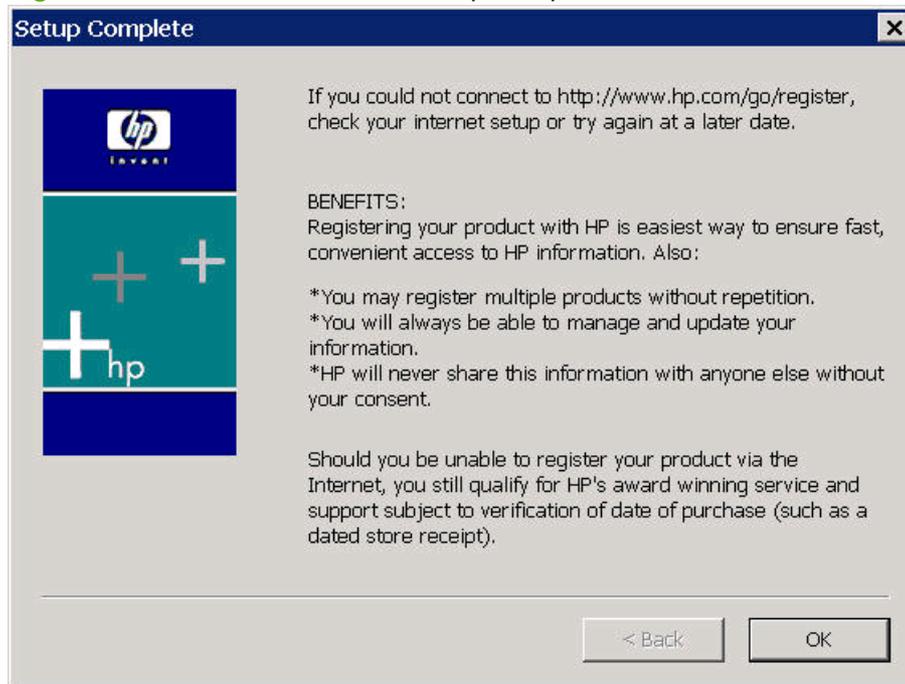
Figure 3-20 Driver Installation — Setup Complete screen



STEP 20

You are given the options to register your product and print a test page. Select the desired options and click **Finish** to be taken to the **Setup Complete** dialog box (Step 21)

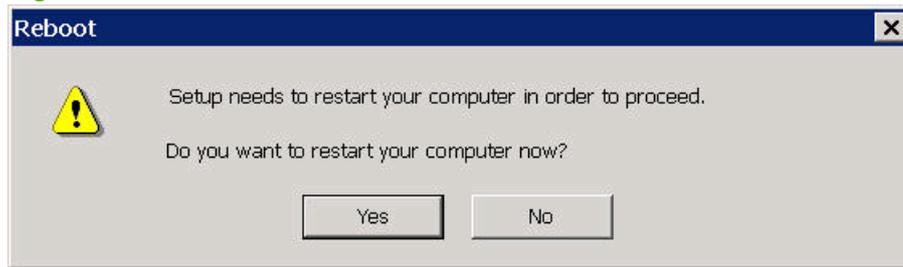
Figure 3-21 Driver Installation — Setup Complete screen 2



STEP 21

Review the information in the dialog box and click **OK** to be taken to the **Reboot** dialog box (Step 22).

Figure 3-22 Driver Installation — Reboot screen



STEP 22

Yes allows the printer to shut down and restart in order to complete the software installation.

No exits the software installation wizard without restarting the computer.

 **NOTE:** It is necessary to reboot the computer when prompted in order for the software to install properly.

Installing the software when the printer is already connected to a computer

If the product is already connected to a computer when you begin installing the software, Windows automatically detects the product and uses Plug-n-Play to install the printer driver. During this process, Plug-n-Play calls the Add Printer Wizard to automatically install the printer driver and the USB port. When Plug-n-Play completes, you are given the option to install the additional support files.

If you prefer, you can cancel Plug-n-Play and run the Add Printer Wizard manually to install the printer driver.

At the end of the Add Printer Wizard, you are given the option to install the additional support files.

This section shows the dialog box options that appear during the Add Printer Wizard.

Figure 3-23 Add Printer Wizard — Welcome Screen

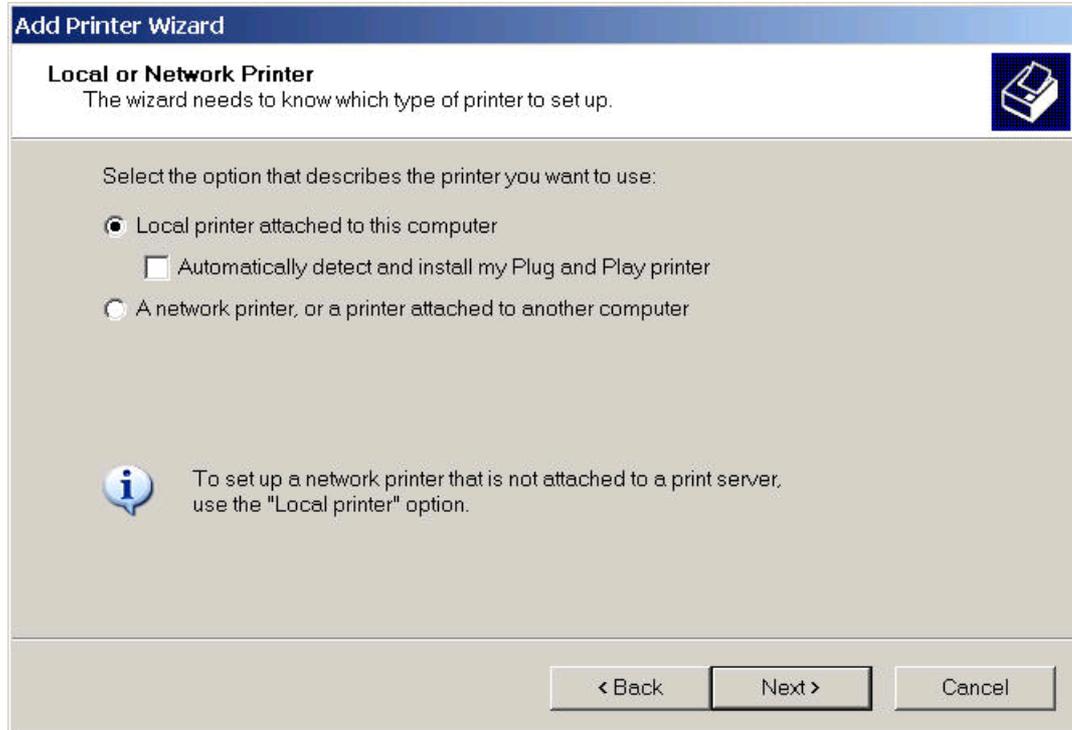


STEP 1

Next takes you to the **Local or Network Printer** dialog box.

Cancel exits the Add Printer Wizard.

Figure 3-24 Add Printer Wizard — Local or Network Printer screen



STEP 2

Select **Local printer** if the product is connected directly to your computer.

Select **Automatically detect and install my Plug and Play printer** to have Windows automatically set up the product.

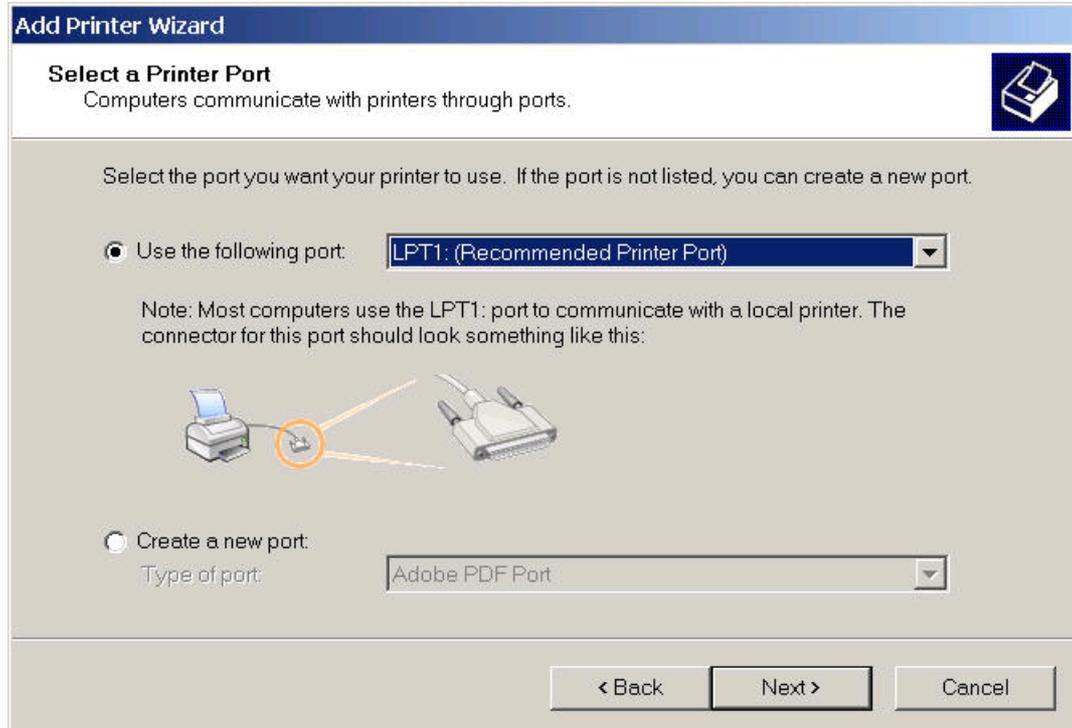
Select **Network printer** if the product is connected to a network.

Back returns you to the Welcome screen (Step 1).

Next takes you to the **Select the Printer Port** screen (Step 3).

Cancel exits the Add Printer Wizard.

Figure 3-25 Add Printer Wizard — Select the Printer Port screen



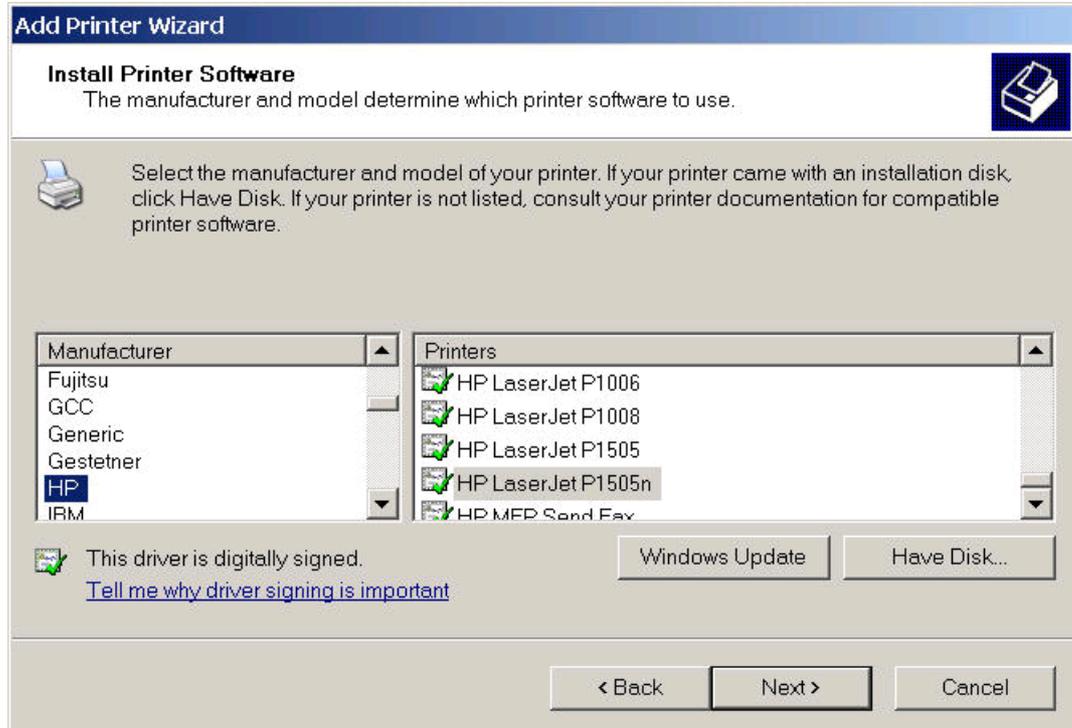
STEP 3

Select **Use the following port** to use an existing port on your computer.

Select **Create a new port** to add a new port.

Click **Next** to continue.

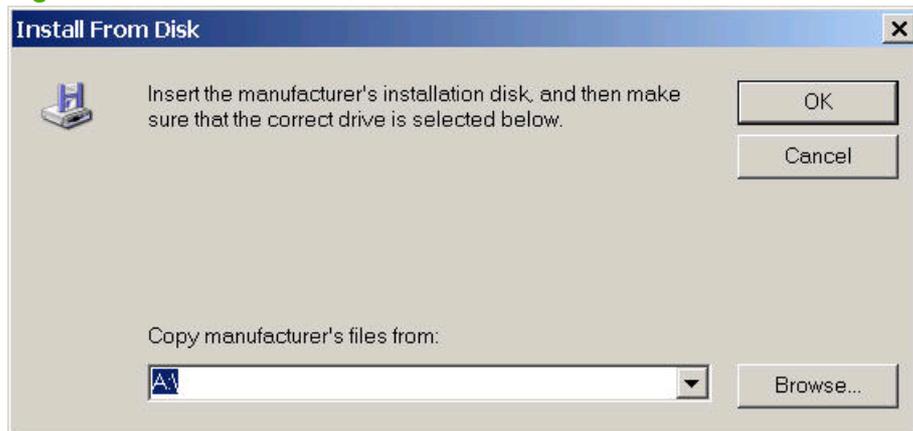
Figure 3-26 Add Printer Wizard — Manufacturer and model screen



STEP 4

Click **Have Disk...** to install the software from the CD-ROM.

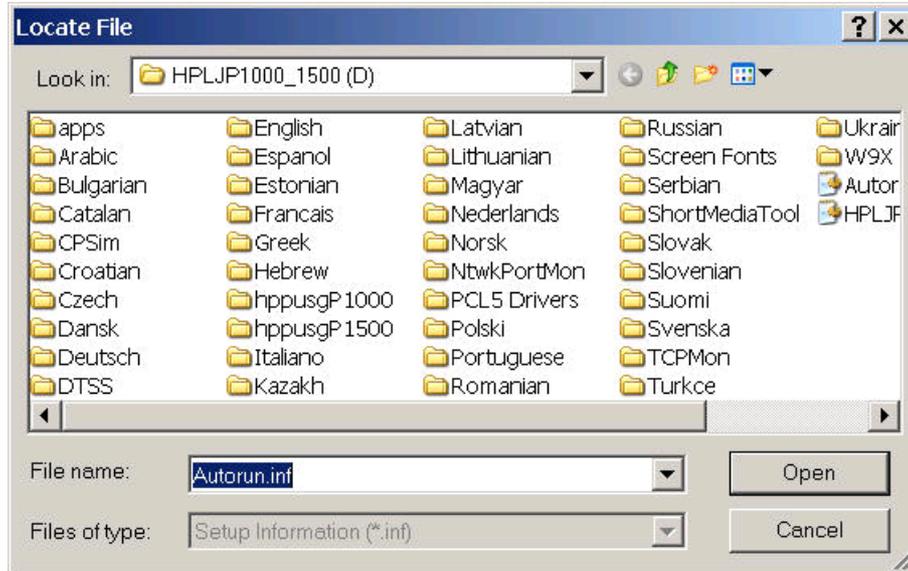
Figure 3-27 Add Printer Wizard — Install from Disk



STEP 5

Click **Browse** to begin searching for the driver file that is on the CD-ROM.

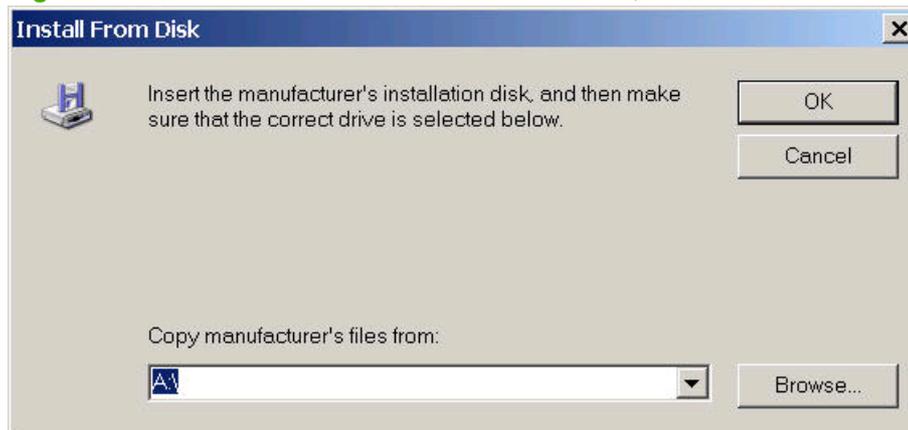
Figure 3-28 Add Printer Wizard — Locate File



STEP 6

Click the **HPLJP1005.INF** file, and then click **Open**.

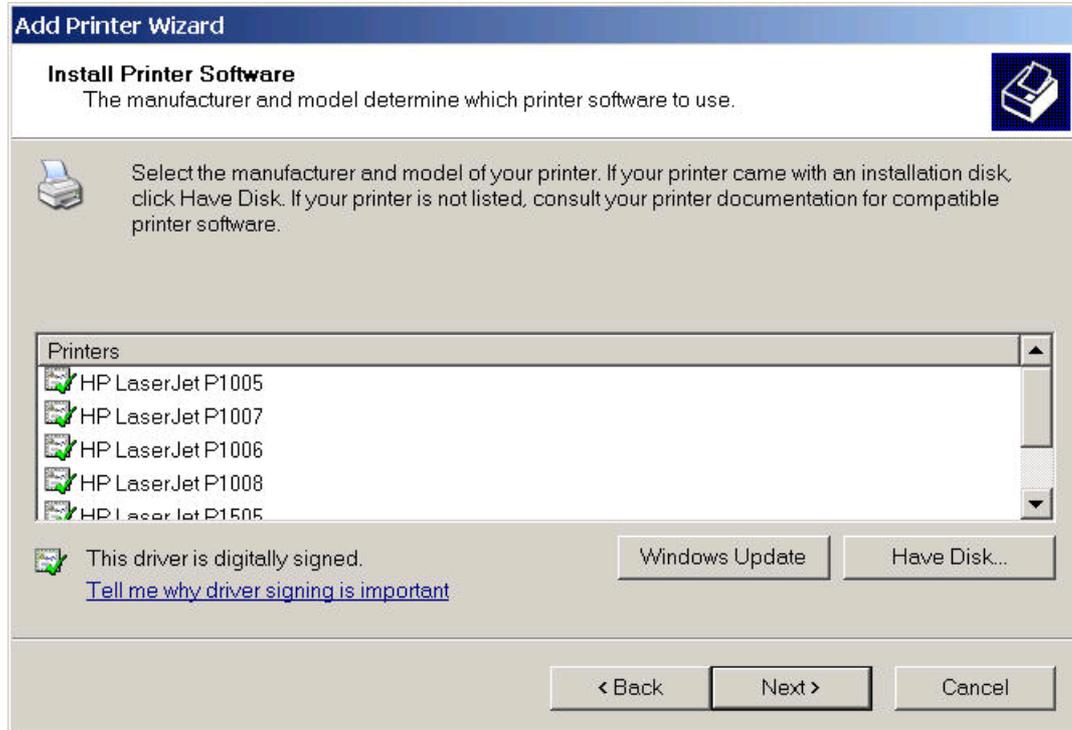
Figure 3-29 Add Printer Wizard — Install From Disk, screen 2



STEP 7

Click **OK** to continue.

Figure 3-30 Add Printer Wizard — Manufacturer and Model screen 2

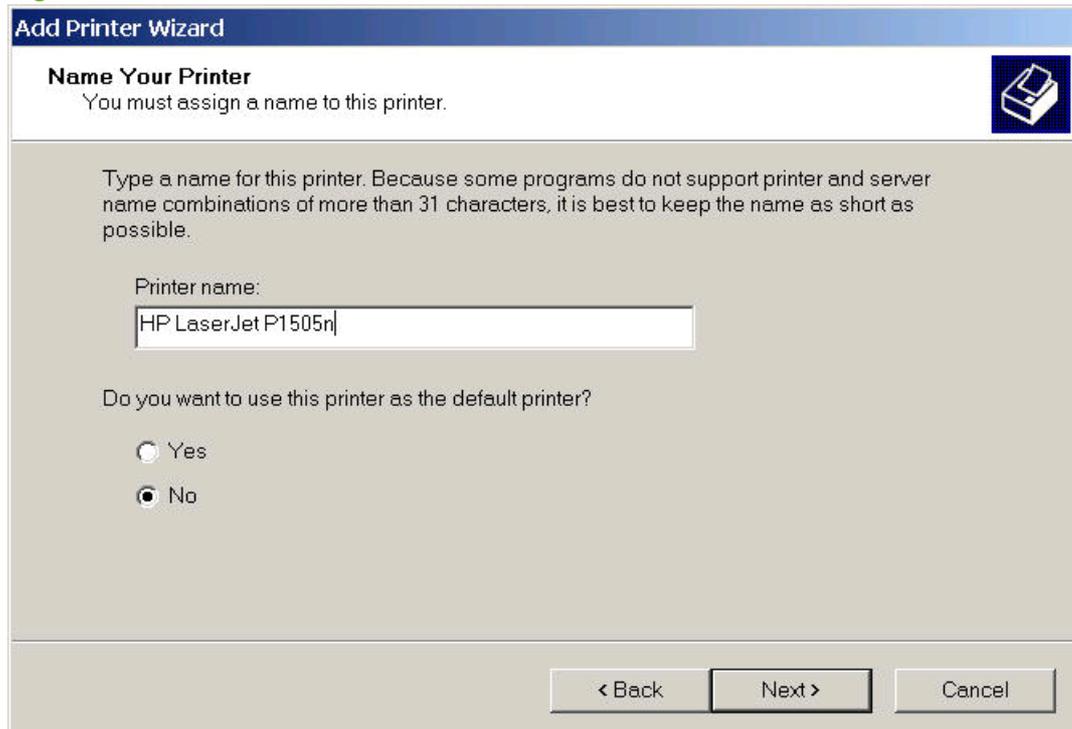


STEP 8

Select the correct HP LaserJet P1000 or P1500 Series printer model.

Click **Next** to continue.

Figure 3-31 Add Printer Wizard — Name Your Printer screen

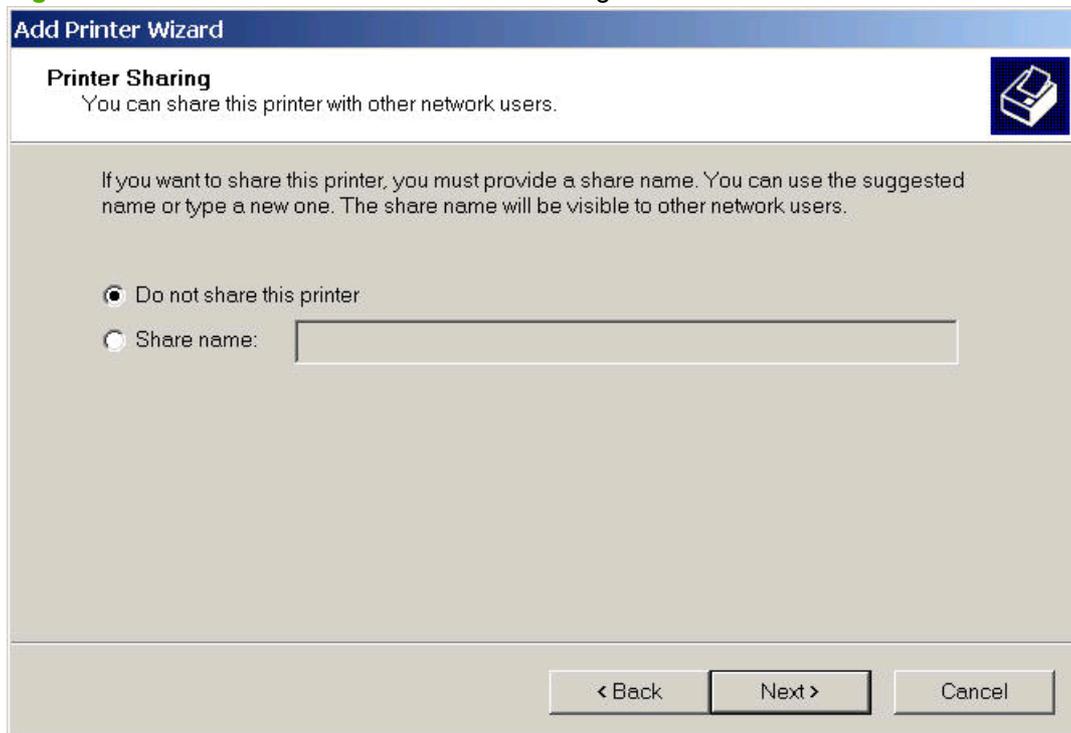


STEP 9

Type a name for the product.

Click **Next** to continue.

Figure 3-32 Add Printer Wizard — Printer Sharing screen



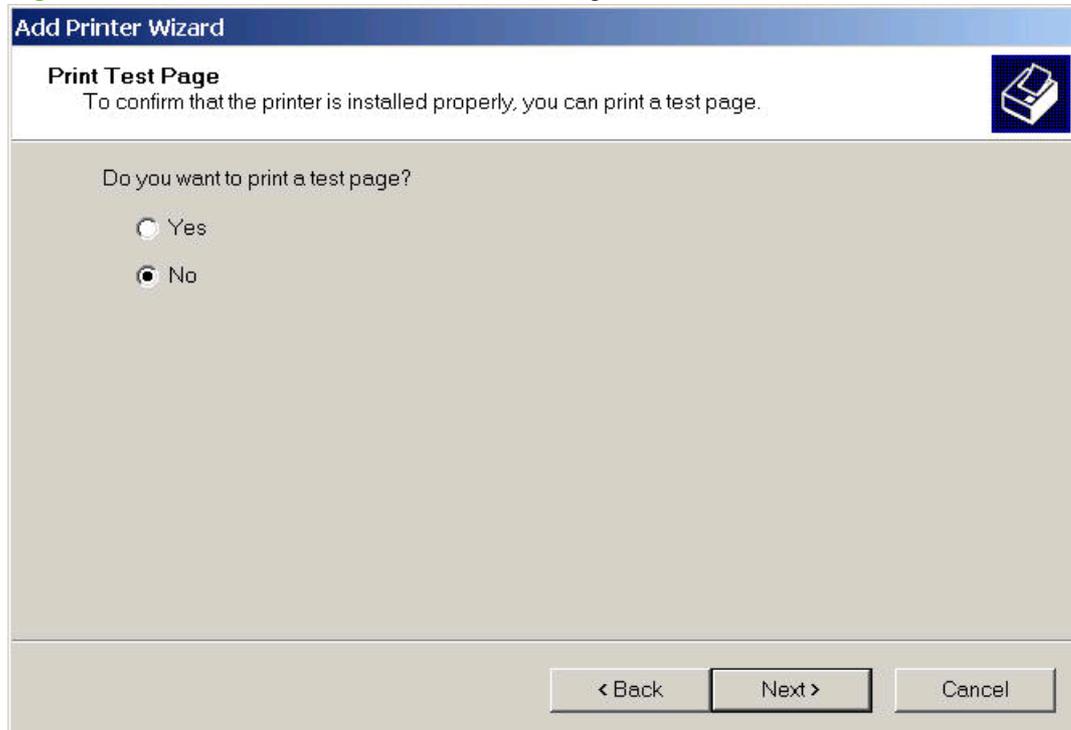
STEP 10

Select **Do not share this printer** if only one computer will use the product.

Select **Share as:** to enable Windows sharing (peer-to-peer networking)

Click **Next** to continue.

Figure 3-33 Add Printer Wizard — Print Test Page screen



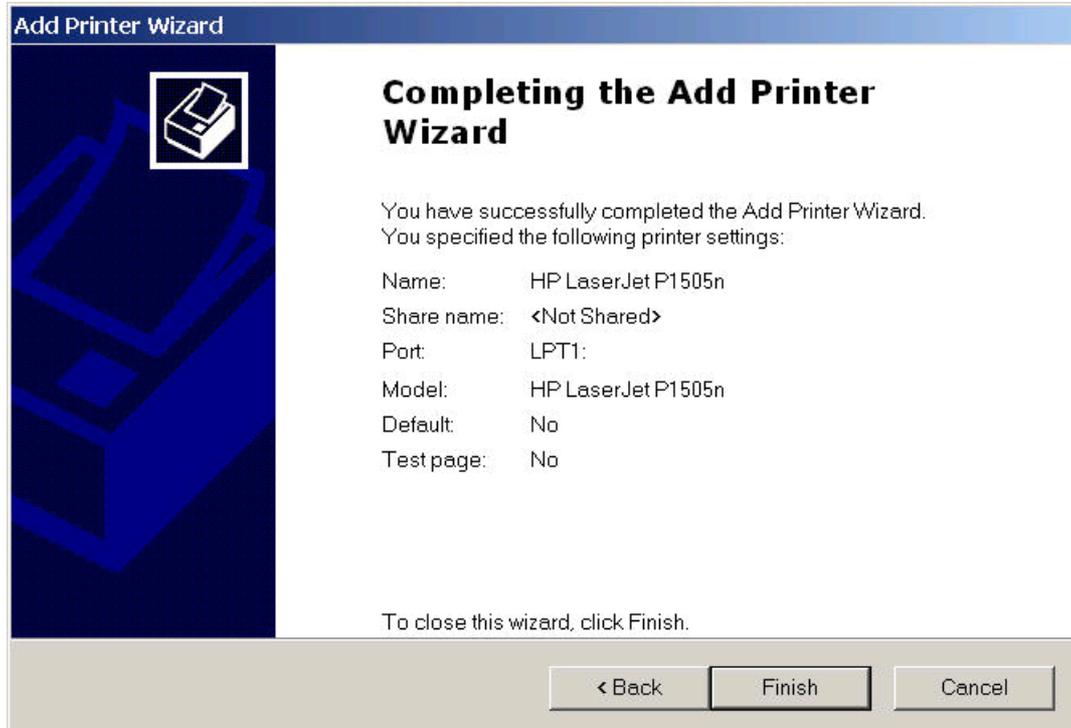
STEP 11

Select **Yes** to print a test page after the software is installed.

Select **No** if you do not want to print a test page.

Click **Next** to continue.

Figure 3-34 Add Printer Wizard — Completing the Add Printer Wizard screen



STEP 12

Click **Finish** to complete the Add Printer Wizard.

Installation options

The HP LaserJet P1000 and P1500 Series printing-system software can be used in the following configurations:

- You install the HP LaserJet P1000 or P1500 Series printing-system software on a computer that is directly connected to the product through a USB port. On Windows systems, you can also share your HP LaserJet P1000 or P1500 Series printer with other users on your network.
- You install the HP LaserJet P1500 Series printing-system software on a computer that has access to a local area network (LAN). The HP LaserJet P1505n printer can connect to a LAN through an internal HP network port.

HP recommends that you install the software before connecting the product to the computer (software-first installation). However, if the product is already connected to the computer, you can install the software by using the Plug-n-Play method or by using the Add Printer Wizard. For more information, see [Plug-n-Play on page 66](#) and [Add Printer Wizard on page 66](#).

Windows installation for direct connections

Use the following instructions to install the product software on a computer that is running Windows 2000 or Windows XP.

 **NOTE:** Set up and turn on the product before installing the printing-system software. Do not connect the product to the computer until the software installation program prompts you to do so.

NOTE: You must have administrator privileges to install the printing-system software on Windows 2000 or Windows XP.

1. Close all of the programs that are open on the computer.
2. Insert the HP LaserJet P1000 and P1500 Series printing-system software CD into the CD-ROM drive.

 **NOTE:** If your 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. Click **Next** and follow the onscreen prompts until the installation is completed. For more information, see [Installing the software before the printer is connected to the computer on page 35](#)

Setting up Windows sharing (peer-to-peer networking)

 **NOTE:** This section describes procedures for sharing a product using Microsoft Windows Sharing (peer-to-peer networking). Peer-to-peer networking is a feature of Microsoft operating systems, not of HP print drivers. If these procedures are not successful, or for more information about peer-to-peer networking procedures, contact Microsoft at the following Web site: <http://www.microsoft.com>.

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

 **NOTE:** Using Windows sharing, the person using the computer directly connected to the product can allow other users on the network to print to the product.

When the product is shared, install the printer drivers on all of the computers that you want to print to the product.

When you have set up the host computer to share your product, you must also configure the client computers. Perform the following steps at the computers of all other network users who want to print to the product.

Setting up the host computer running Windows 2000

At the computer that is directly connected to the product, perform the following steps:

1. Click **Start**, click **Settings**, and then click **Printers**.
2. In the printer list, right-click the icon for your HP LaserJet P1000 or P1500 Series printer, and then click **Sharing**.
3. On the **Sharing** tab, click the **Share As** option button, and then type a name for the product in the **Share Name** field. Click **OK**.

Setting up the host computer running Windows XP

At the computer that is directly connected to the product, perform the following steps:

1. Click **Start**, and then click
Printers and Faxes (Windows XP Professional).
-or-
Printers and Other Hardware Devices (Windows XP Home).
2. In the printer list, right-click the icon for your HP LaserJet P1000 or P1500 Series printer, and then click **Sharing**.
3. On the **Sharing** tab, click the **Share this printer** option button, and then type a name for the product in the **Share Name** field. Click **OK**.
4. Click the **Ports** tab. Click to clear the **Enable bidirectional support** check box, and then click **OK**.

Setting up client computers running Windows 2000

1. Click **Start**, click **Settings**, and then click **Printers**.
2. Double-click the **Add Printer** icon to open the **Add Printer** wizard.
3. Click **Next** to start the wizard.
4. Click the **Network Printer** option button, and then click **Next**.
5. Type in the path and share name of the HP LaserJet P1000 or P1500 Series printer to which you want to connect.

- OR -

Click **Browse** and navigate to find the HP LaserJet P1000 or P1500 Series printer to which you want to connect.

Click **Next**.

6. Click the **Yes** or **No** option button when asked if you want to use this product as your default printer for Windows-based programs, and then click **Next**.
7. Click **Finish** to complete the installation and close the **Add Printer** wizard.



NOTE: You might need the product software CD to complete the printer driver installations.

Setting up client computers running Windows XP

1. Click **Start**, and then click **Printers and Faxes** (Windows XP Professional).
-or-
Printers and Other Hardware Devices (Windows XP Home).
2. On the left-hand column, under **Printer Tasks**, click **Add a printer** to open the **Add Printer** wizard.
3. Click **Next** to start the wizard.
4. Click the **A network printer or a printer attached to another computer** option button, and then click **Next**.
5. Type in the path and share name of the HP LaserJet P1000 or P1500 Series printer to which you want to connect.

- OR -

Click **Browse** and navigate to find the HP LaserJet P1000 or P1500 Series printer to which you want to connect.

Click **Next**.
6. Click the **Yes** or **No** option button when asked if you want to use this product as your default printer for Windows-based programs, and then click **Next**.
7. Click **Finish** to complete the installation and close the **Add Printer** wizard.

Installation instructions for networked computers

This section provides information about the following topics:

- Installing the software on networked computers (HP LaserJet P1505n only)
- Installing the print driver only

Installing the software on networked computers (HP LaserJet P1505n only)

Each computer that has the HP LaserJet P1505n printing-system software installed can use all of the product features that are available over a network connection through the internal network port that comes as standard equipment on the HP LaserJet P1505n models.

To install the HP LaserJet P1505n printing-system software on networked Windows operating systems, follow these steps:

 **NOTE:** You must have administrator privileges to install the software on Windows 2000 or Windows XP.

1. Close all of the programs that are open on the computer.
2. Insert the HP LaserJet P1000 and P1500 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. Click **Next** and follow the onscreen prompts.
4. When the Installer software prompts you to select how the product will be connected, select **Connected via the network**, and then click **Next**. Follow the instructions on the screen.
5. When the installation is nearly complete, a setup screen appears that asks whether or not you want to print a test page. Click **Yes**.
6. If you are prompted to restart the computer, click **Yes**.

Installing the printer driver only

 **NOTE:** If the product is directly connected to another user's computer, the product must be shared from that computer by using Windows sharing.

Use the following instructions to install the printer driver only.

Printer-driver installation for Windows 2000 or Windows XP

1. From the **Start** menu, click **Settings**, and then click **Printers** (Windows 2000).
-or-
Printers and Faxes (Windows XP Professional).
-or-
Printers and Other Hardware Devices (Windows XP Home).
2. Double-click **Add Printer**, and then click **Next**.
3. When asked if the product is a local or network printer, click **Network Printer**, and then click **Next**.
4. You might need to first select the printer from the list of printers or type an IP address. If the printer driver is not available, the **Add Printer Wizard** dialog box appears. Click **Have Disk** from the wizard screen.
5. Insert the CD into the CD-ROM drive and navigate to your CD-ROM drive.
6. Double-click the .INF file.
7. Complete the installation. When prompted, print a test page to ensure that the printer driver is installed properly.

Plug-n-Play

If the product is already connected to a computer when you begin installing the software, Windows automatically detects the product and uses Plug-n-Play to install the product. During this process, Plug-n-Play calls the Add Printer Wizard to automatically install the printer driver and the USB port. At the end of the Add Printer Wizard, you are given the option to install the additional support files.

Add Printer Wizard

If the product is already connected to a computer when you begin installing the software, Windows automatically detects the product and uses Plug-n-Play to install the printer driver. If you prefer, you can cancel Plug-n-Play and run the Add Printer Wizard manually to install the printer driver. At the end of the Add Printer Wizard, you are given the option to install the additional support files.

Uninstall

This section provides information about the following topics:

- [Uninstall instructions for Windows](#)

Uninstall instructions for Windows

Choose one of the following two methods to uninstall the HP LaserJet P1000 or P1500 Series printing-system software:

- Uninstalling using the HP program group (recommended)
- Uninstalling using the Windows Add/Remove Program feature

Uninstalling using the HP program group (recommended)

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

1. Close all of the programs that are open on the computer.
2. Click **Start**, click **All Programs**, select **HP**, select either **HP LaserJet P1000 Series** or **HP LaserJet P1500 Series**, and then click either **Uninstall HP LaserJet P1000 Series** or **Uninstall HP LaserJet P1500 Series**.
3. The **Welcome to the HP LaserJet P1000 / P1500 series Uninstall Wizard** dialog box appears. Click **Next** to continue.
4. Select the model of printer you would like to uninstall and click **Next**.
5. The **HP LaserJet P1000 / P1500 series Driver Uninstall Information** dialog box appears to confirm which product is being uninstalled. Click **Next** to continue.
6. The progress bar reflects the status of the uninstall process.
7. Click **Restart** to reboot your computer and finish the uninstall process.

Uninstalling using Windows Add/Remove programs feature

Follow these steps to uninstall the HP LaserJet P1000 or P1500 Series printing-system software by using the Windows **Add/Remove programs** feature.

 **NOTE:** Using this uninstall method, you do not need the HP LaserJet P1000 or P1500 Series printing-system software CD.

NOTE: To uninstall the software from Windows 2000 or XP, you must log on with administrator privileges.

1. Close all of the programs that are open on the computer.

2. For Windows 2000, click **Start**, click **Settings**, click **Control Panel**, and then double-click **Add/Remove programs**

For Windows XP, click **Start**, click **Control Panel**, and then double-click **Add/Remove programs**.

Figure 3-35 Windows Control Panel screen



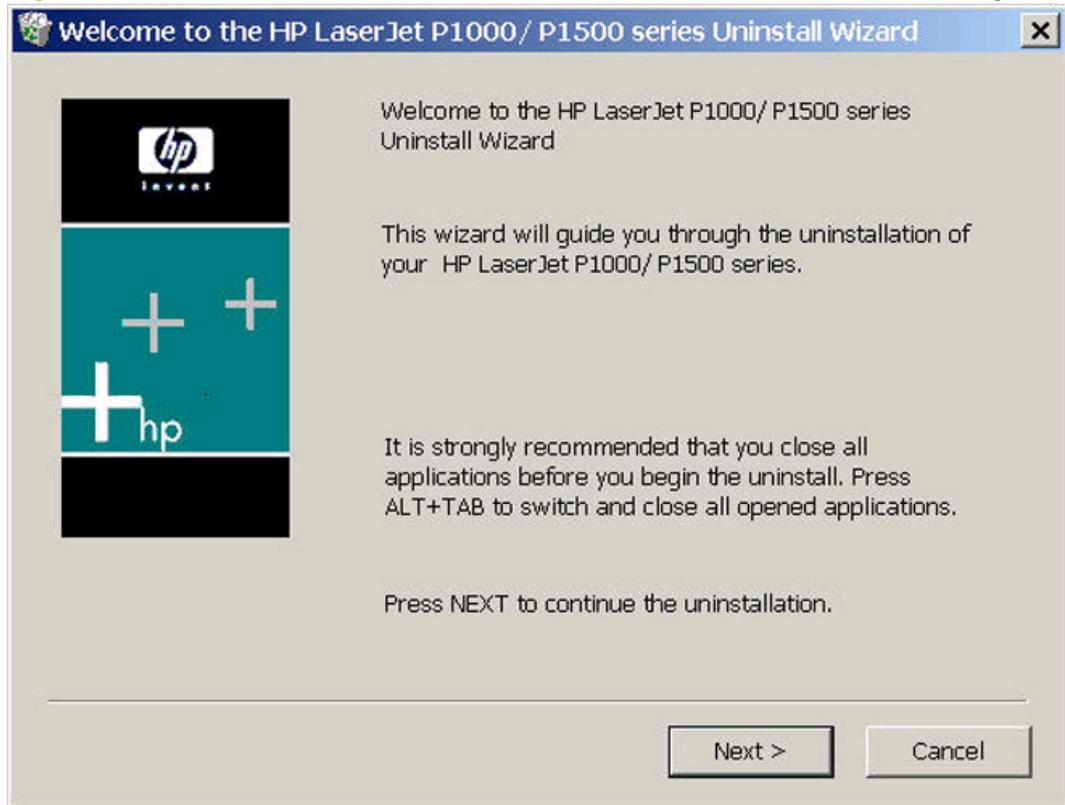
3. Click **Change or Remove Programs**, click **HP LaserJet P1000 series** or **HP LaserJet P1500 series**, and then click **Change/Remove**.

Figure 3-36 Windows Change or Remove Programs screen



4. The **Welcome to the LaserJet P1000 / P1500 series Uninstall Wizard** dialog box appears.

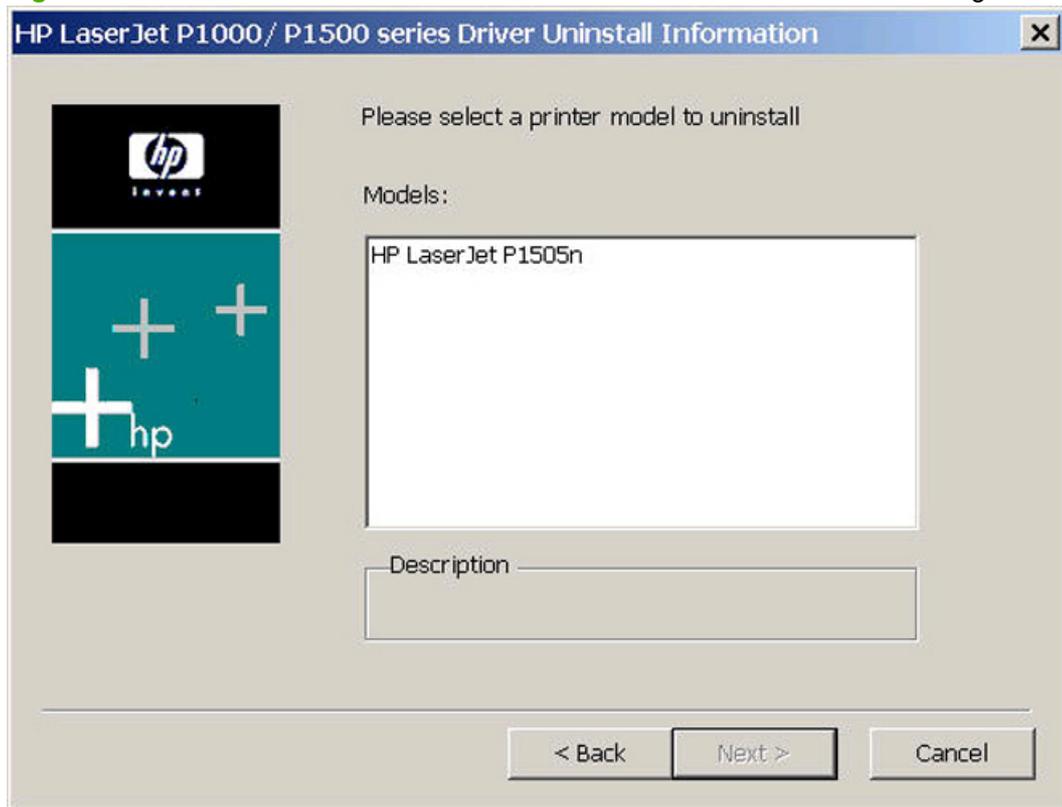
Figure 3-37 Welcome to the LaserJet P1000 / P1500 series Uninstall Wizard dialog box



Click **Next** to begin the uninstall process.

5. The **Uninstalling the HP LaserJet P1000 / P1500 series** dialog box appears.

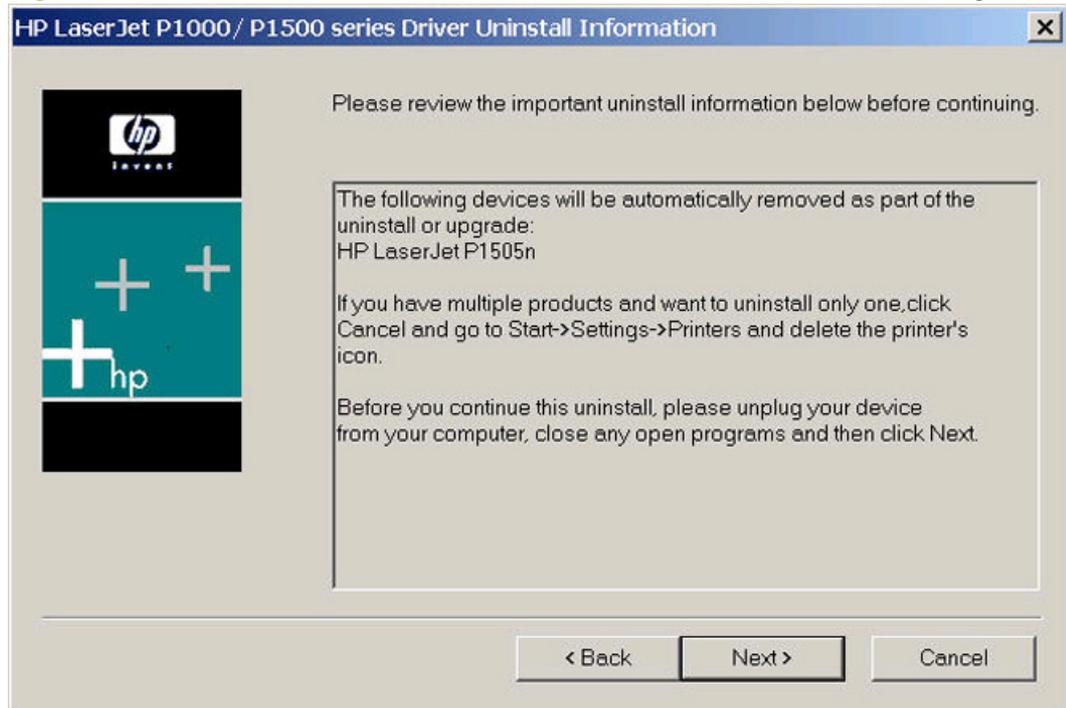
Figure 3-38 HP LaserJet P1000 / P1500 series Driver Uninstall Information dialog box



Select the printer model you want to uninstall and click **Next**.

6. The second **Uninstalling the HP LaserJet P1000 / P1500 series** dialog box appears.

Figure 3-39 HP LaserJet P1000 / P1500 series Driver Uninstall Information dialog box, screen 2

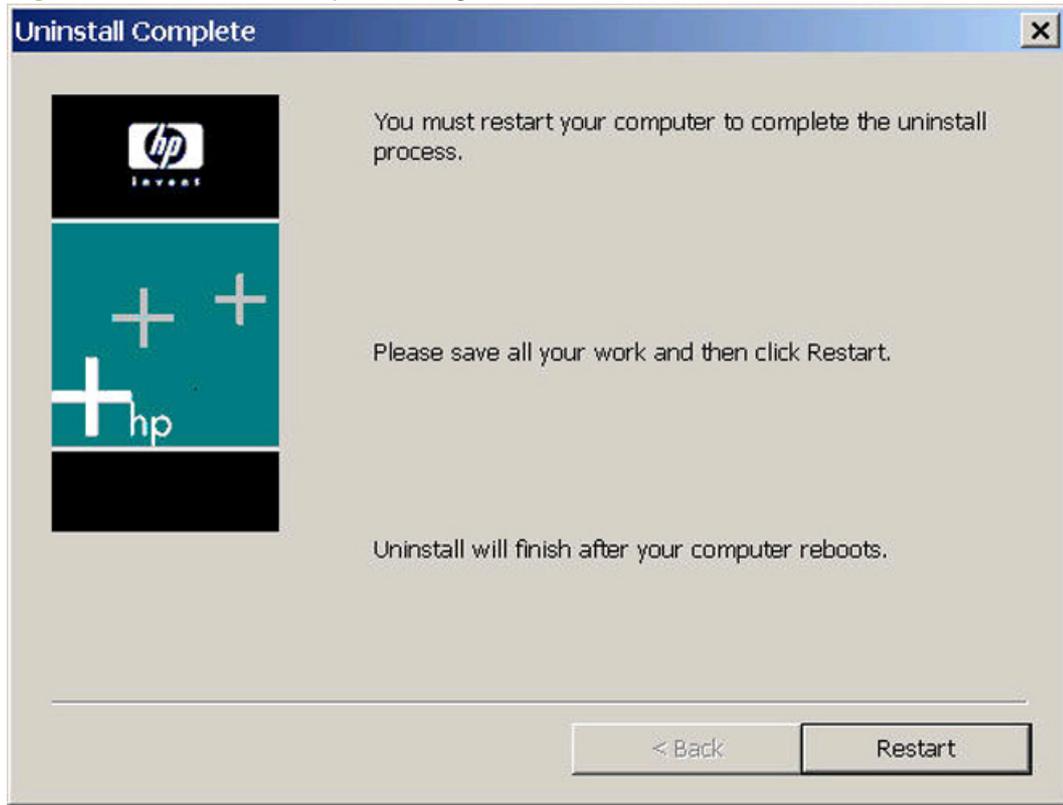


Review the information in the dialog box and then click **Next**.

The progress bar reflects the status of the uninstall process.

7. The **Uninstall Complete** dialog box appears.

Figure 3-40 Uninstall Complete dialog box



Click **Restart** to reboot your computer and finish the uninstall process.

4 Host-based driver for Windows

Topics:

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

Introduction to host-based printing

The HP LaserJet P1000 and P1500 Series printers are host-based devices. Host-based printing differs from PCL printing by rendering the print job on the host computer rather than on the device formatter.

As a host-based printing system, the HP LaserJet P1000 and P1500 Series print drivers use the Windows operating system 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 P1000 and P1500 Series print drivers also receive status messages from the formatter firmware. These messages are passed to the Status Application, which displays them.

The HP LaserJet P1000 Series formatter has no read-only memory (ROM) and up to 8 MB of random access memory (RAM). The amount of RAM varies based on the model of printer. Both the firmware and the compressed page must fit into the amount of RAM installed in the printer.

Depending on the model of printer, the HP LaserJet P1500 Series formatter has up to 2 MB of read-only memory (ROM) and up to 32 MB of RAM. Both the firmware and the compressed page must fit into the amount of RAM installed in the printer.

Help system

The HP LaserJet P1000 and P1500 Series host-based drivers include 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 available 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, 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.

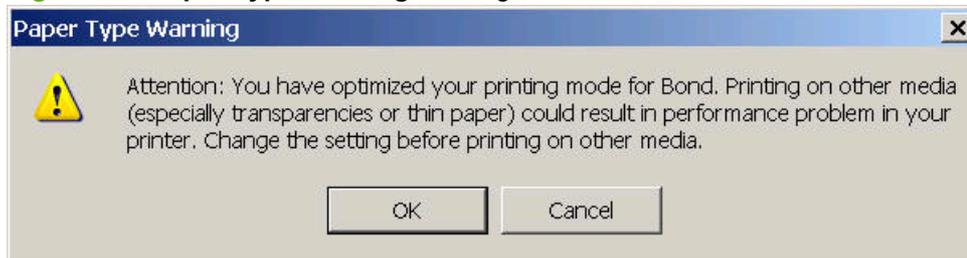
Context-sensitive Help

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 4-1 Paper Type Warning message



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 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 Windows XP, click **Start**, select **Settings**, select **Printers and Faxes** (Windows XP Professional) or **Printers and Other Hardware Devices** (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.

Properties tab set

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

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

Printing Preferences tab set

The HP LaserJet P1000 and P1500 Series printer host-based **Printing Preferences** tabs contain options for formatting documents for the HP LaserJet P1000 and P1500 Series printers. Gain access to the **Printing Preferences** tabs either through the software program or through the Windows **Printers** folder.

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

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

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. The Print Task Quick Sets appear in the upper-left corner of the **Paper/Quality**, **Effects**, and **Finishing** tabs.

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.

Driver tabs

Topics:

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

Printing Preferences tab set

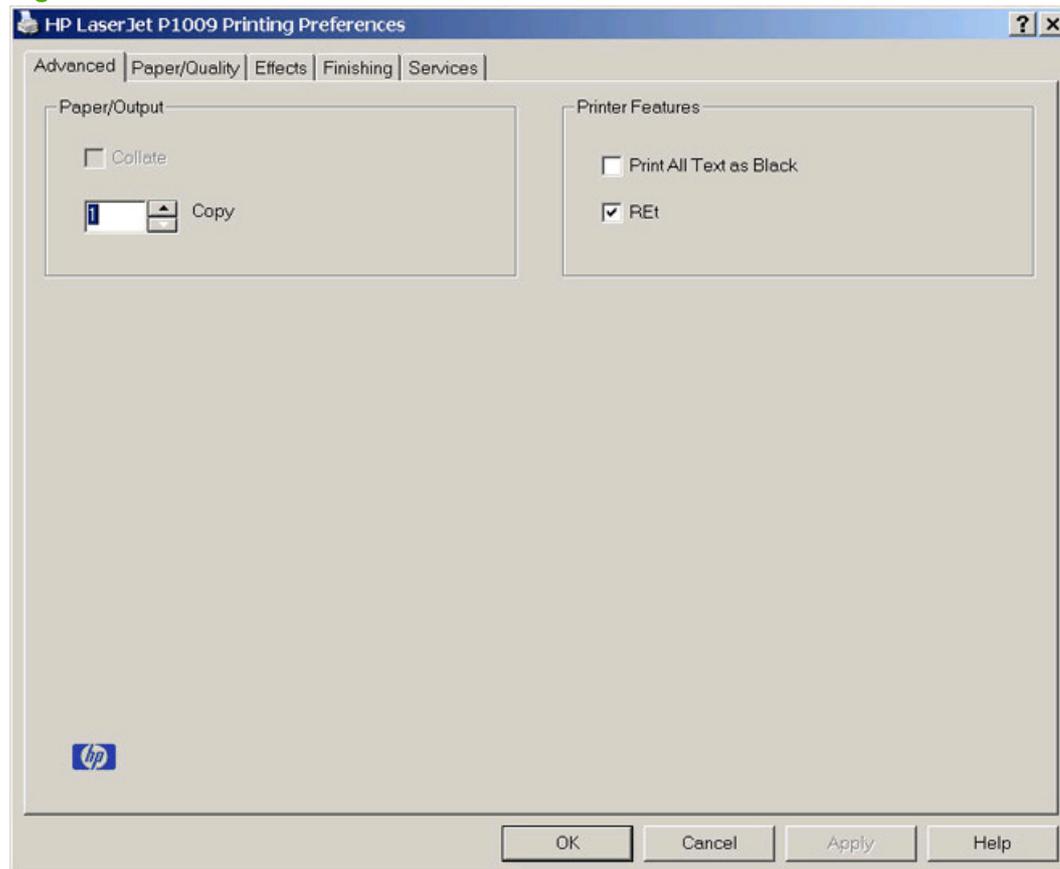
Topics:

- [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 4-2 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 P1000 and P1500 Series printers, valid entries are numbers from 1 to 999. The copies value will not advance from the maximum number (999) to 1 when the up arrow is used, or change from 1 to the maximum number (999) 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.

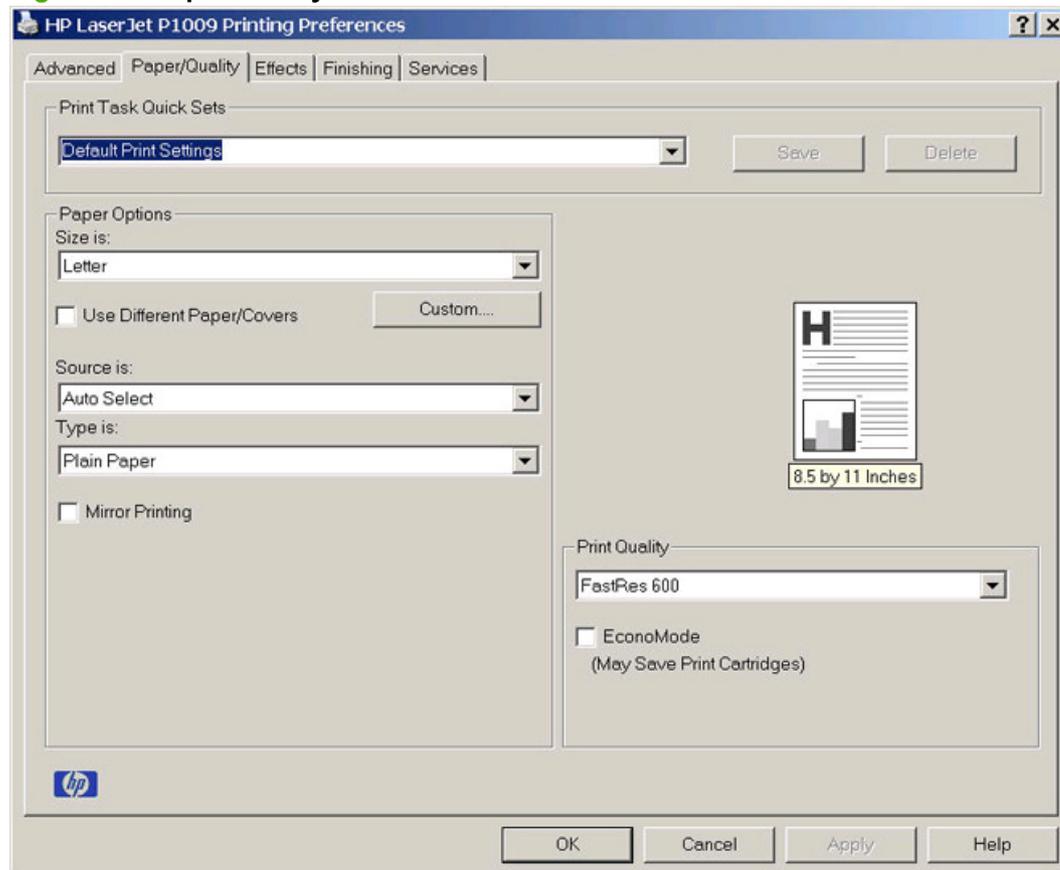
REt

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 P1000 and P1500 Series printers. 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 4-3 Paper/Quality tab



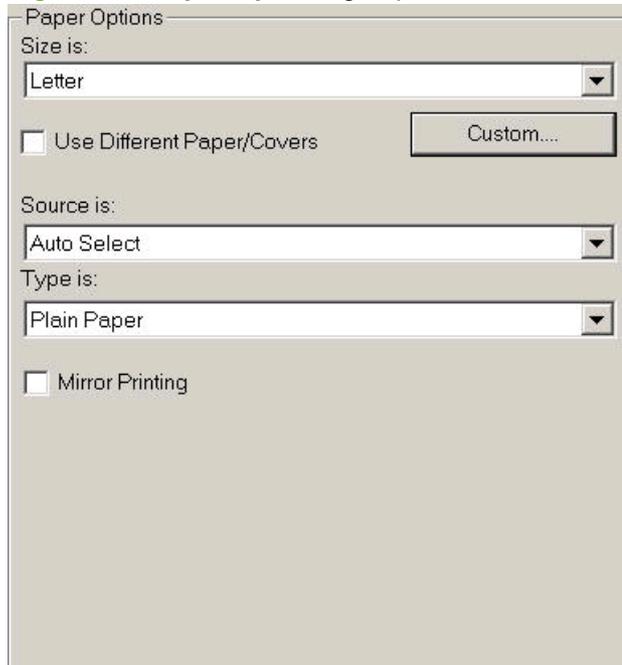
The Paper/Quality tab consists of the following sections:

- Paper Options
- Print Quality

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 4-4 Paper Options group box



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

- [Paper sizes:](#)
- [Paper source:](#)
- [Paper type:](#)

Paper sizes:

The **Paper sizes:** 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.

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

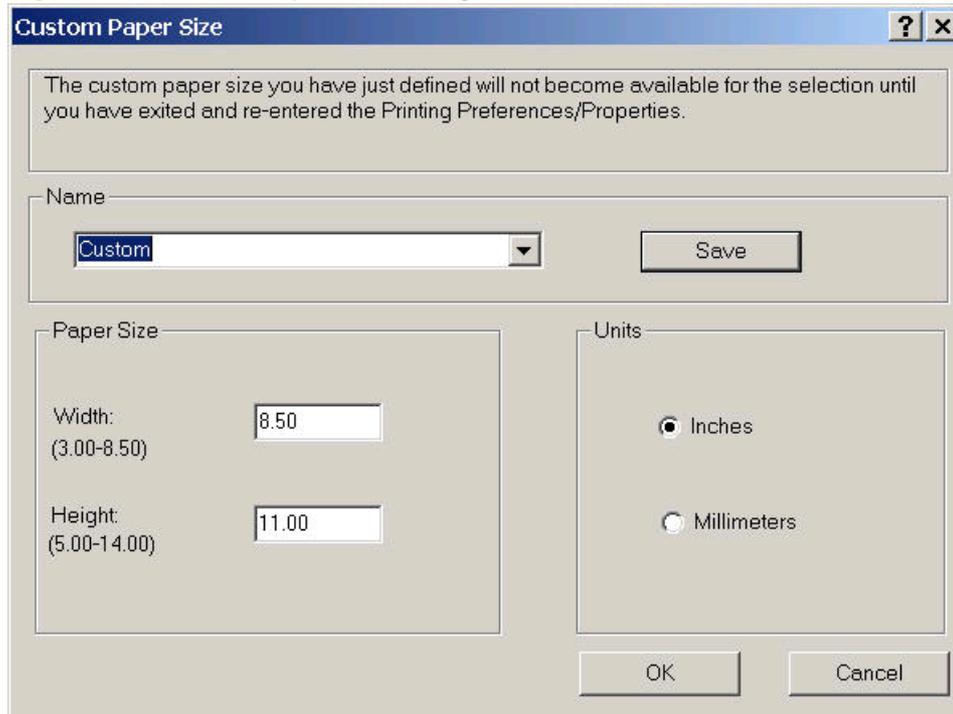
For the **Covers** and **Print pages on different paper** settings, select a source (tray) and media type that differ from the settings selected. If a conflict exists among media source, media size, and/or media type, and you choose to keep the conflicting settings, the settings are processed in the 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.

Custom Paper Size

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

Figure 4-5 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:** text box. Click in the text box to type the width.
 - **Height:** text box. 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.

Paper source:

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

The **Paper source:** drop-down menu can contain the following options:

- **Auto Select**
- **Manual Feed**
- **Tray 1**

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.

Paper type:

The **Paper type:** drop-down menu shows all the paper types that the HP LaserJet P1000 and P1500 Series printers support. The default setting is **Plain Paper**. If you select a different setting, make sure that the correct media type is loaded in the tray selected in the **Paper source:** setting.

The following standard paper types appear in the list.

Table 4-1 Standard paper types and engine speed

Paper type	Engine speed
Unspecified	Full – 1:1
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
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
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
Cardstock (105 to 176 g/m ²)	Half – 1:2
Envelope	Half – 1:2
Rough	Half – 1:2
Vellum	Full – 1:1
Archive	Half – 1:2

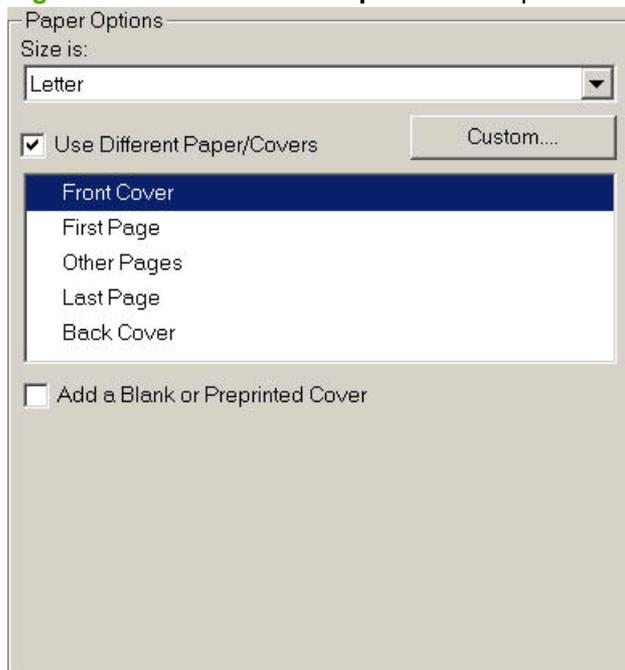
¹ Throughput for continuous printing might be reduced as a result of fuser heating limitations.

Use Different Papers/Covers

The **Use Different Paper/Covers** option allows you to print books that include different media types. Use these options to include a blank or preprinted front cover or back cover on a document, or to select an alternative media tray or type 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.

 **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 **Size is:** drop down menu.

Figure 4-6 Use Different Paper/Covers options



To enable **Use Different Paper/Covers**:

1. Check **Use Different Paper/Covers**.

 **NOTE:** To print a **Front Cover** or **Back Cover**, the **Add a Blank or Preprinted Cover** option also must be checked.

2. Select the appropriate option (**Front Cover**, **First Page**, **Other Pages**, **Last Page**, or **Back Cover**) in the dialog box.

 **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.

3. Select the appropriate tray and type of media from the **Source is:** and **Type is:** drop-down menus.
4. Click **OK**.

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

Print Quality

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

The **Print Quality** drop-down box controls the 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:

- **HP LaserJet P1000 Series: FastRes 1200 and FastRes 600**
- **HP LaserJet P1500 Series: FastRes 1200 and 600 dpi**

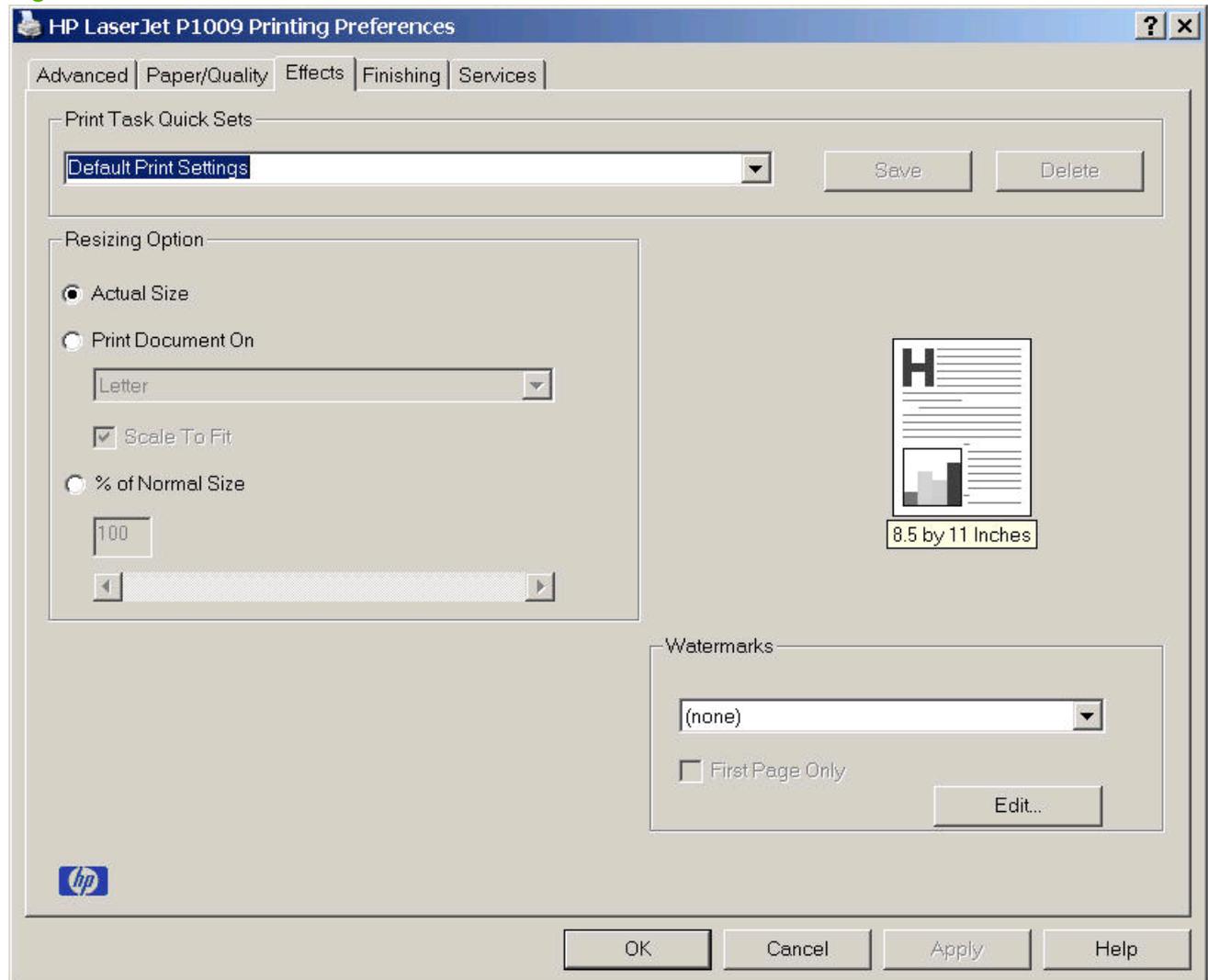
The default setting for the **Print Quality** drop-down box is **FastRes 600** for the HP LaserJet P1000 Series and **600 dpi** for the HP LaserJet P1500 Series.

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 4-7 Effects tab



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

- [Resizing Options](#)
- [Watermarks](#)

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:

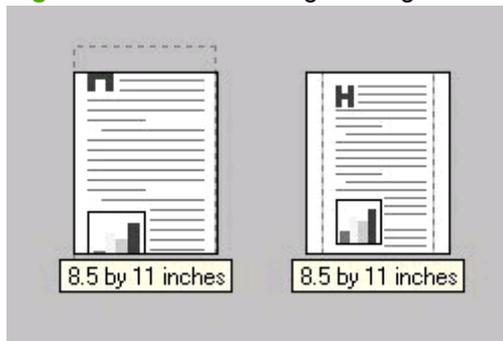
- The **% of Normal Size** value is not 100.
- The **Pages per Sheet** value (on the **Finishing** tab) is not 1.

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 the target size is specified as **Letter** with **Scale to Fit** check box selected (left) and with **Scale to Fit** not selected (right).

Figure 4-8 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 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.

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.

- **Confidential**
- **Draft**
- **SAMPLE**

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)".

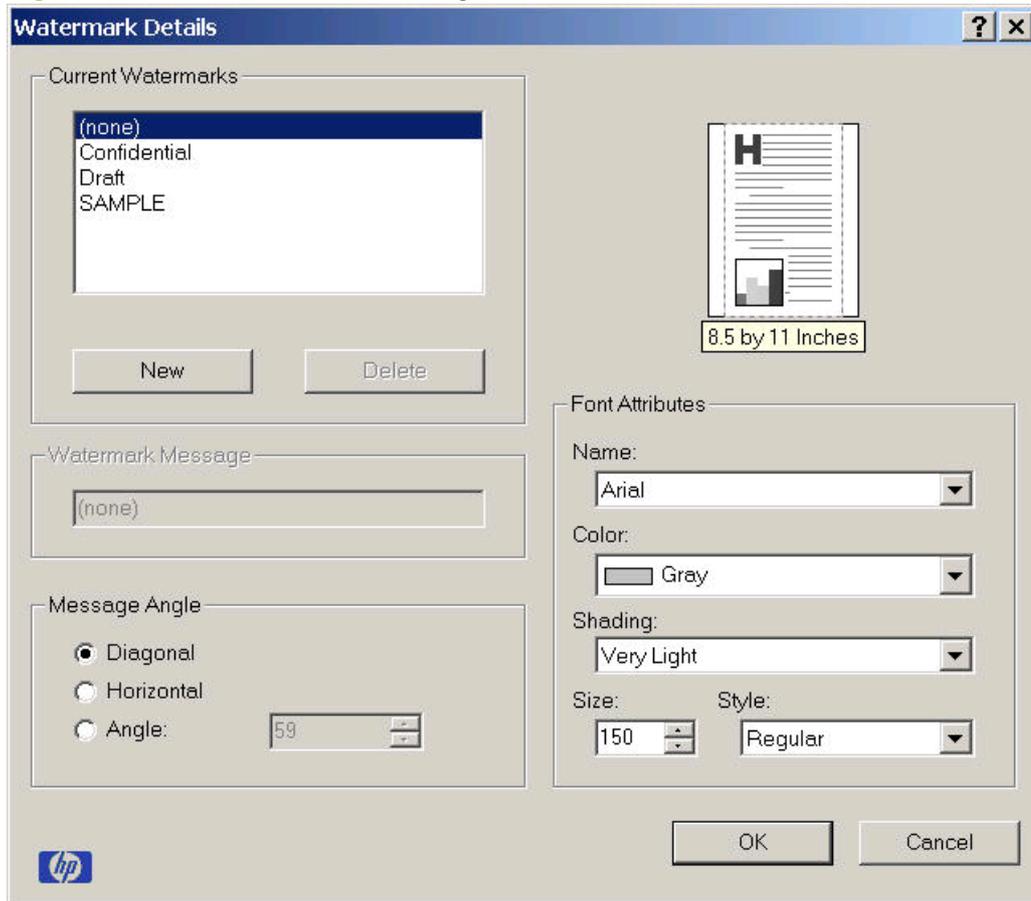
Watermarks are applied to logical pages. For example, when **Pages per Sheet** is set to "4" and **First Page Only** is turned off, four watermarks appear on the page (one on each logical page).

Click **Edit**, to open the **Watermark Details** dialog box. The following options are available in the **Watermark Details** dialog box:

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

- [Font Attributes](#)

Figure 4-9 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. The default is **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 4 to 999 points are available from the **Size** menu. The default point size is language-dependent.

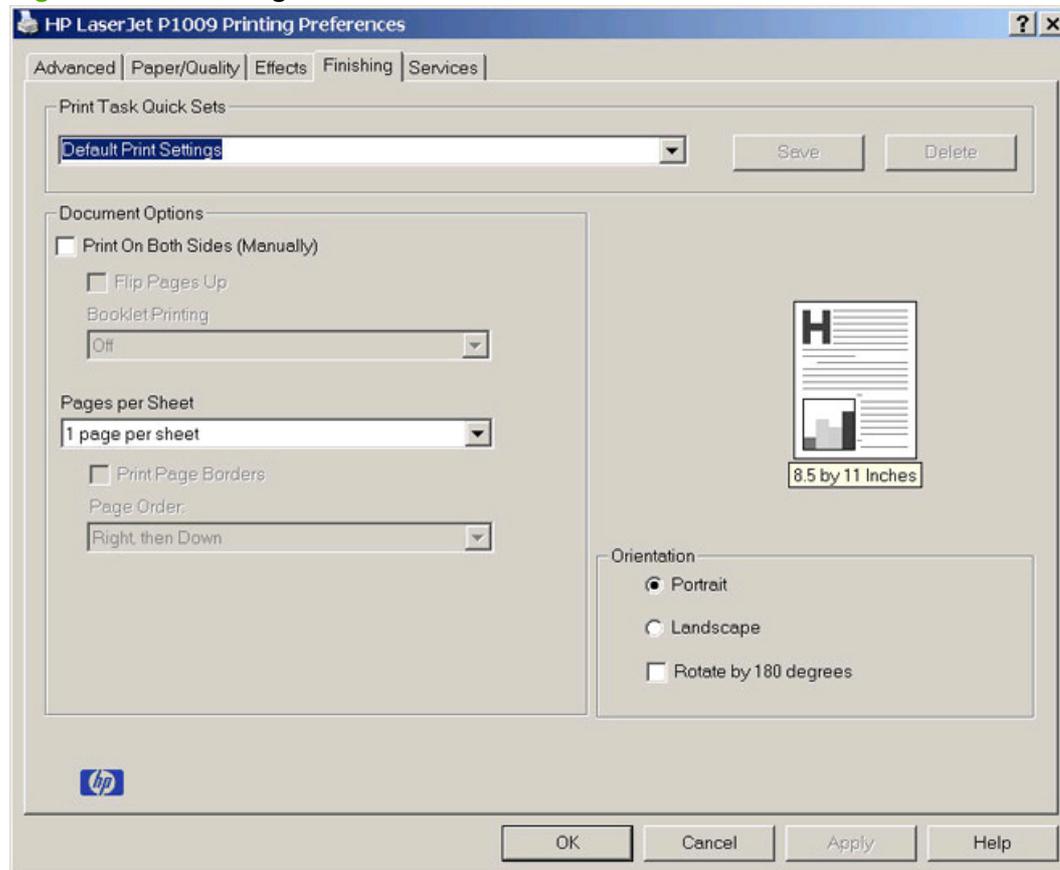
Style

The following choices are available from the **Style** drop-down menu: **Regular**, **Bold**, **Italic**, and **Bold Italic**. 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 4-10 Finishing tab



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

- [Document Options](#)
- [Orientation](#)

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](#)

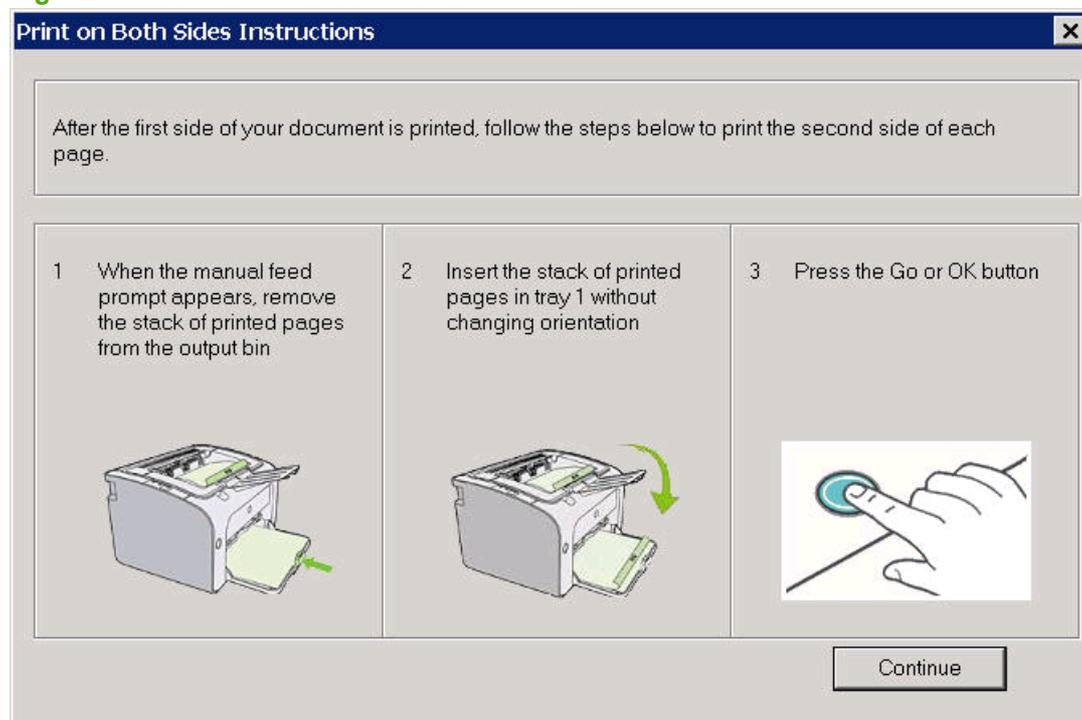
Print on Both Sides (Manually)

 **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 4-11 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.

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 P1000 and P1500 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 [Use Different Papers/Covers on page 84](#).

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.

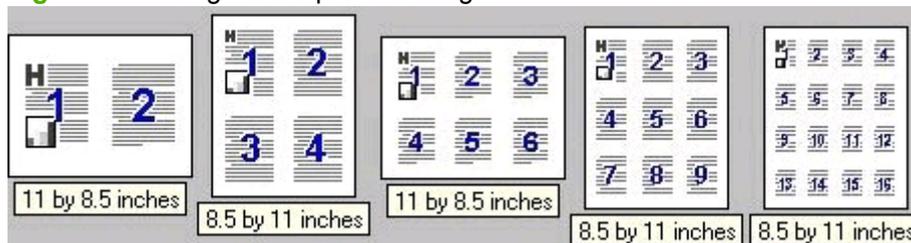
Page Order

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 4-12 Page-order preview images



- 2 pages per sheet
- 4 pages per sheet
- 6 pages per sheet

- **9 pages per sheet**
- **16 pages per sheet**

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.

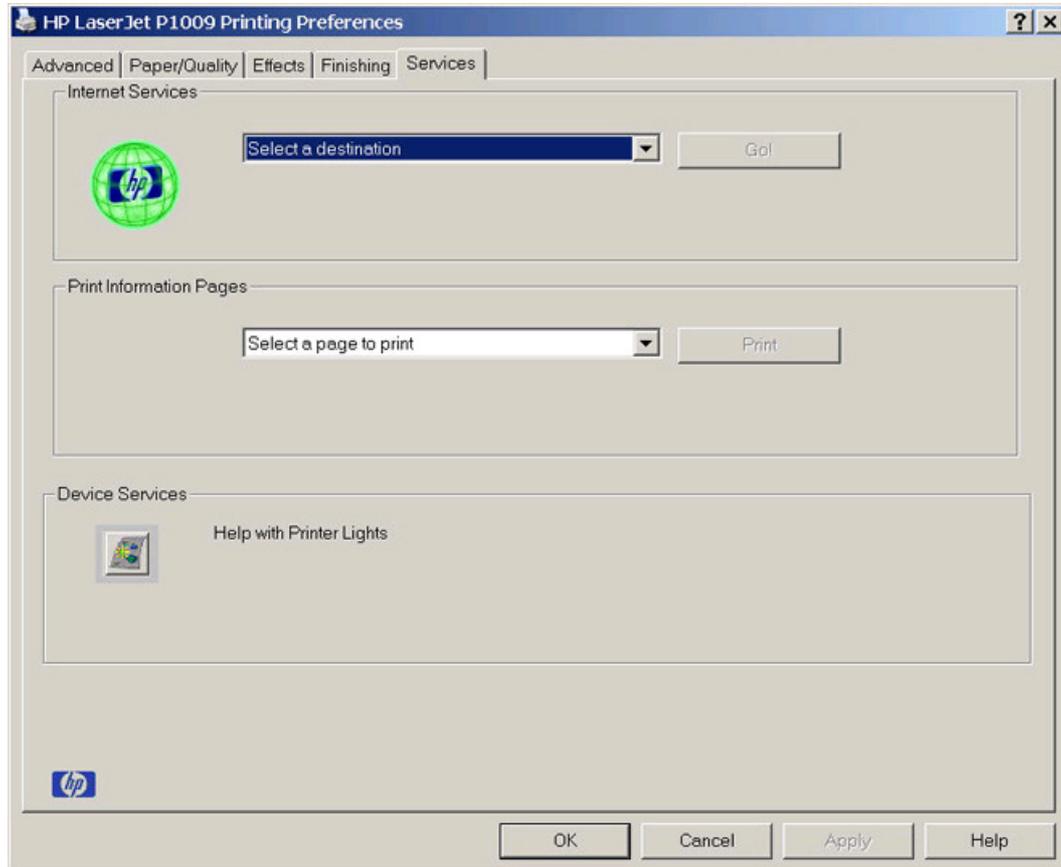
Rotate by 180 degrees

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 4-13 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

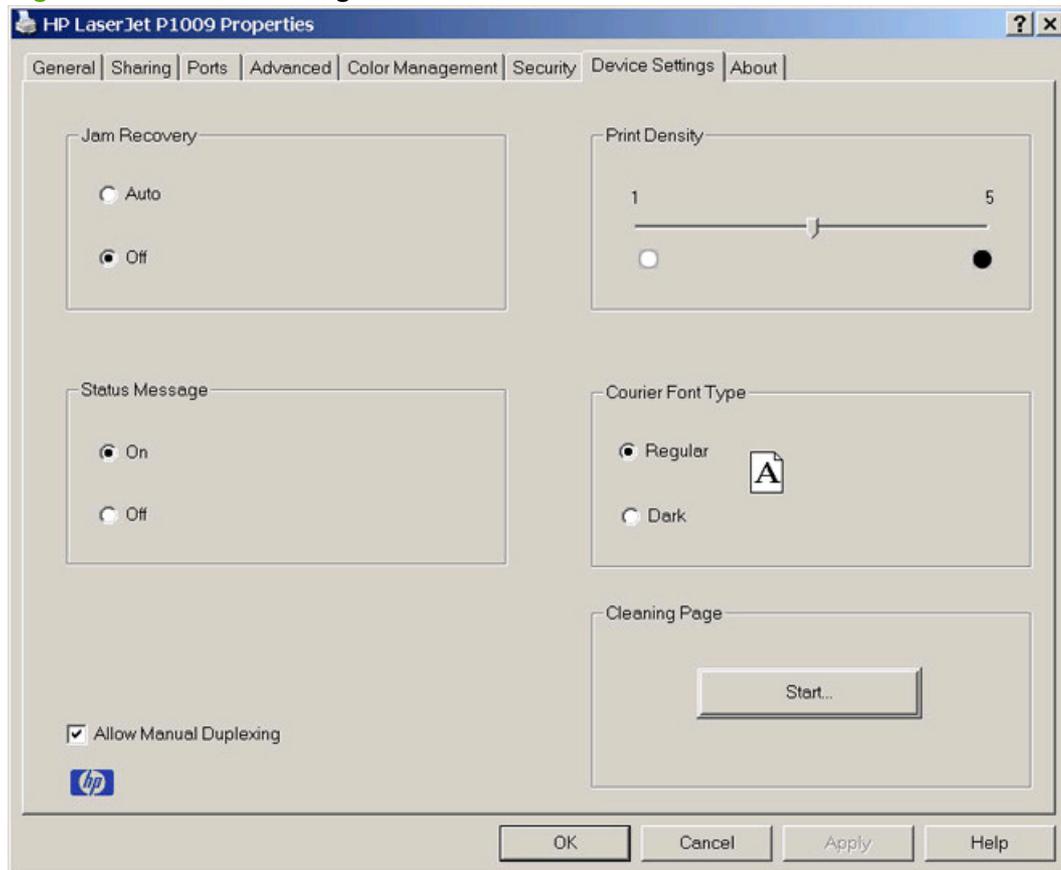
Topics:

- [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 4-14 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.

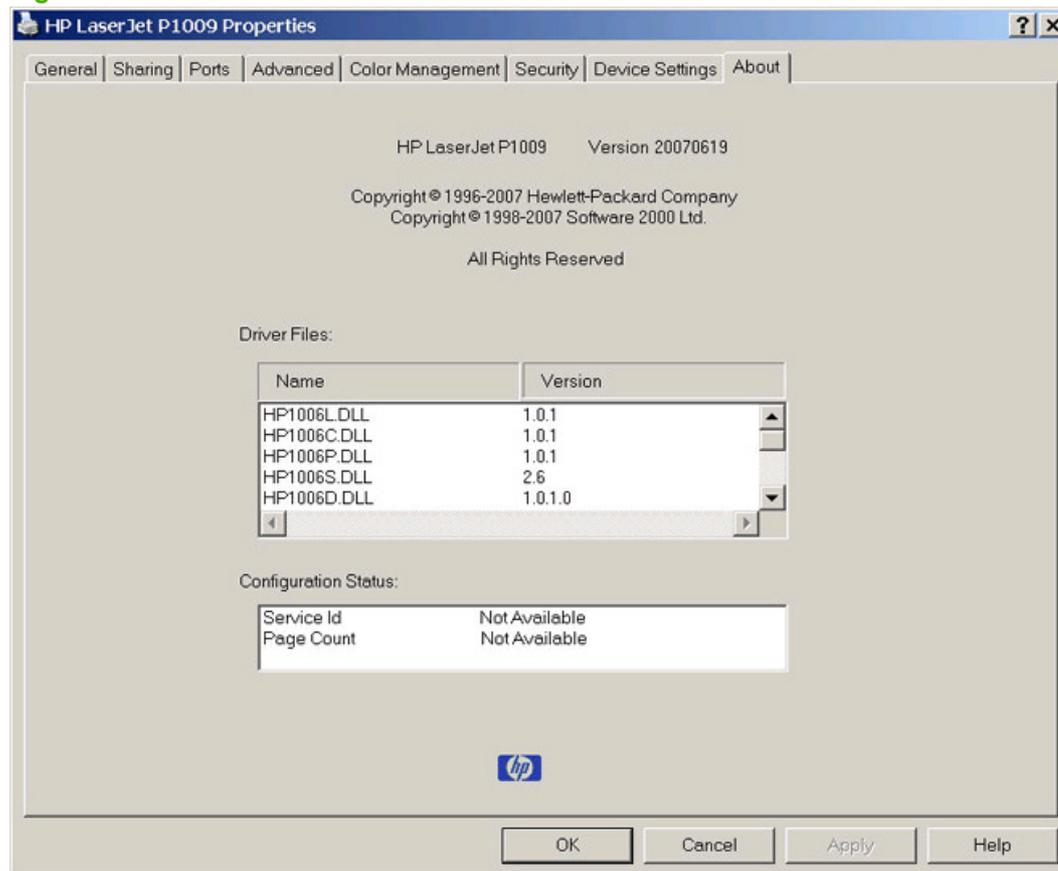
Allow Manual Duplexing

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 P1000 or P1500 Series printer model, driver, date, and version numbers. The following illustration shows the **About** tab.

Figure 4-15 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 P1000 and P1500 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 P1000 and P1500 Series printers come in-box on a single CD. On Macintosh OS v10.3.9 systems and above, the HP LaserJet Installer for Macintosh installs the HP LaserJet P1000 or P1500 Series printing-system software from the CD onto the hard disk. The HP LaserJet Installer for Macintosh installs only the HP LaserJet P1000 or P1500 Series printing-system software on the current system startup drive that contains the active System folder. By default, the HP LaserJet P1000 or P1500 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 P1000 and P1500 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 P1000 and P1500 Series printing-system software has the following minimum system requirements:

- Macintosh OS X v10.3.9 and above
- Macintosh computer, 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 v10.3.9 and above supported.



NOTE: Mac OS 9, Mac OS X classic, and Mac OS X versions prior to v10.3.9 are not supported.

Availability

This STR provides information about the availability of the HP LaserJet P1000 and P1500 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.

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 P1000 and P1500 Series printing-system software is available for download at the following Web site:

www.hp.com/support/ljP1000 or www.hp.com/support/ljP1500.

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 P1000 and P1500 Series printers contain the files for installing the printing-system software on the computer.

Topics:

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

Macintosh partition

The HP LaserJet P1000 and P1500 Series printing-system software CD is divided into two partitions, one for each of the following operating systems:

- Windows
- Macintosh

The HP LaserJet P1000 and P1500 Series printing-system software files for the Macintosh operating system 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 on the Windows CD partition.

CD versions

The software CD for the HP LaserJet P1000 and P1500 Series printer contains the files for installing the printing-system software on the computer.

The HP LaserJet P1000 and P1500 Series printing-system software CD for Macintosh is available in two versions, each of which contains printing-system documentation in various languages, as follows:

Table 5-1 CD language groupings for Macintosh installation

CD	Languages
Rest of World CD	● Danish
	● Dutch
	● English
	● Finnish
	● French
	● German
	● Italian
	● Norwegian
	● Portuguese Brazilian
	● Spanish
	● Swedish
Asia CD	● English
	● Korean
	● Portuguese Brazilian
	● Simplified Chinese
	● Traditional Chinese

Macintosh install and uninstall instructions

The HP LaserJet P1000 and P1500 Series printers come with software and installers for Windows and Macintosh systems. This document provides procedures for installing and removing the HP LaserJet P1000 and P1500 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 v10.3.9 and above 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 P1000 and P1500 Series printing-system software can be used in the following configurations:

- The computer is directly connected to the device through a USB, and the HP LaserJet P1000 and P1500 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, install the software before connecting the USB cable.

1. Insert the HP LaserJet P1000 and P1500 Series 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 P1000 or P1500 Series printer appears in the list of printers, go to step 9. If the HP LaserJet P1000 or P1500 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 either **HP LaserJet P1000 printer** or **HP LaserJet P1500 printer**, and then click **Add**.
8. In the **Printer Setup Utility**, either **HP LaserJet P1000 printer** or **HP LaserJet P1500 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. Some models of the HP LaserJet P1500 Series printers have 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 v10.4.3 and above. Mac OS v10.3.9 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 Bonjour 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 P1000 / P1500 Series Install Notes* on the HP LaserJet P1000 and P1500 Series printing-system software CD, see the flyer that came in the box with the device, or go to one of the following Web sites for help or more information:

www.hp.com/support/ljP1000 or www.hp.com/support/ljP1500

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 connection, install the software before connecting the USB cable.

Insert the HP LaserJet P1000 and P1500 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 P1000 and P1500 Series** CD-ROM icon on the desktop to open the installer folder.

Figure 5-1 HP LaserJet P1000/P1500 CD-ROM icon



The **HP LaserJet P1000/P1500** dialog opens.

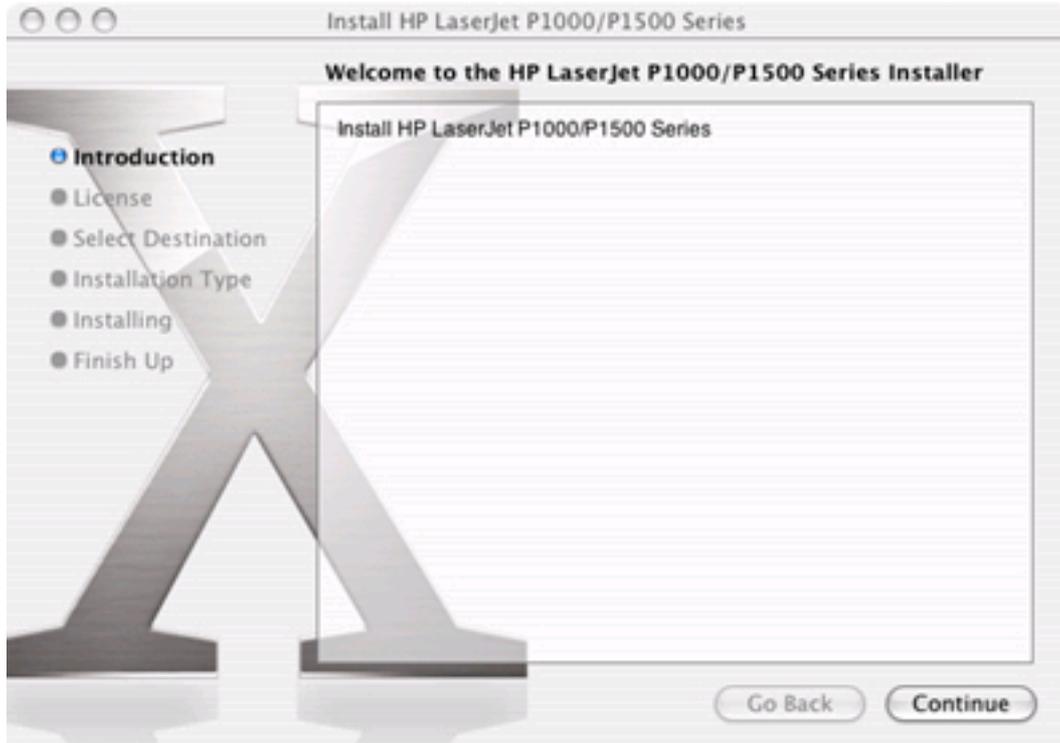
Figure 5-2 HP LaserJet P1000/P1500 screen



Double-click the **P1000/P1500.pkg** icon. This begins the install process.

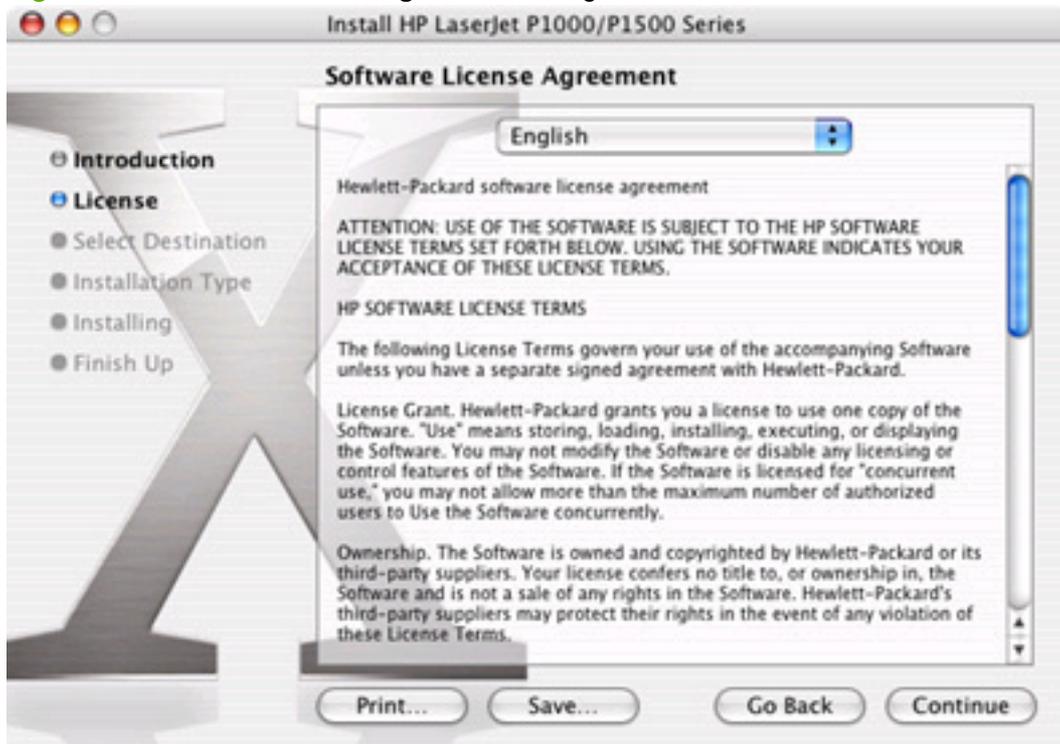
The **Welcome to the HP LaserJet P1000/P1500 Series Installer** dialog appears.

Figure 5-3 Welcome to the HP LaserJet P1000/P1500 Series Installer dialog



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

Figure 5-4 Software License Agreement 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.

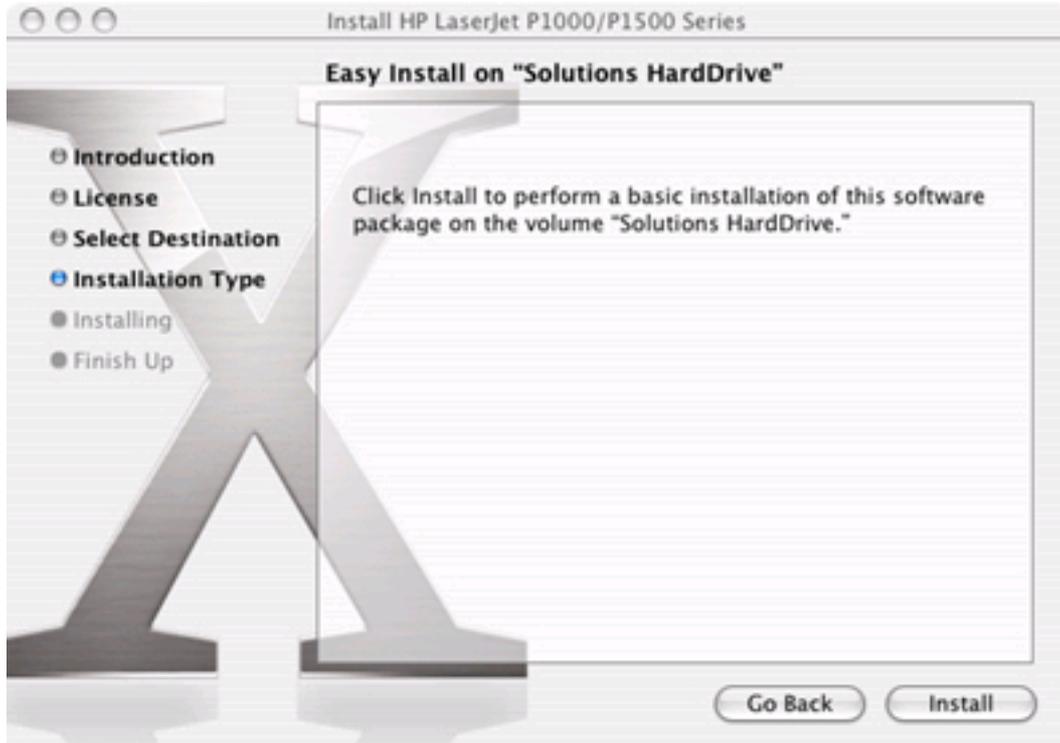
Read the software-license agreement and then click **Continue** to continue the installation. A dialog appears, asking you to accept the license agreement. Click **Agree** to accept the agreement. The **Select a Destination** dialog appears. Click **Decline** to end the installation process and close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

Figure 5-5 Select a Destination dialog



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

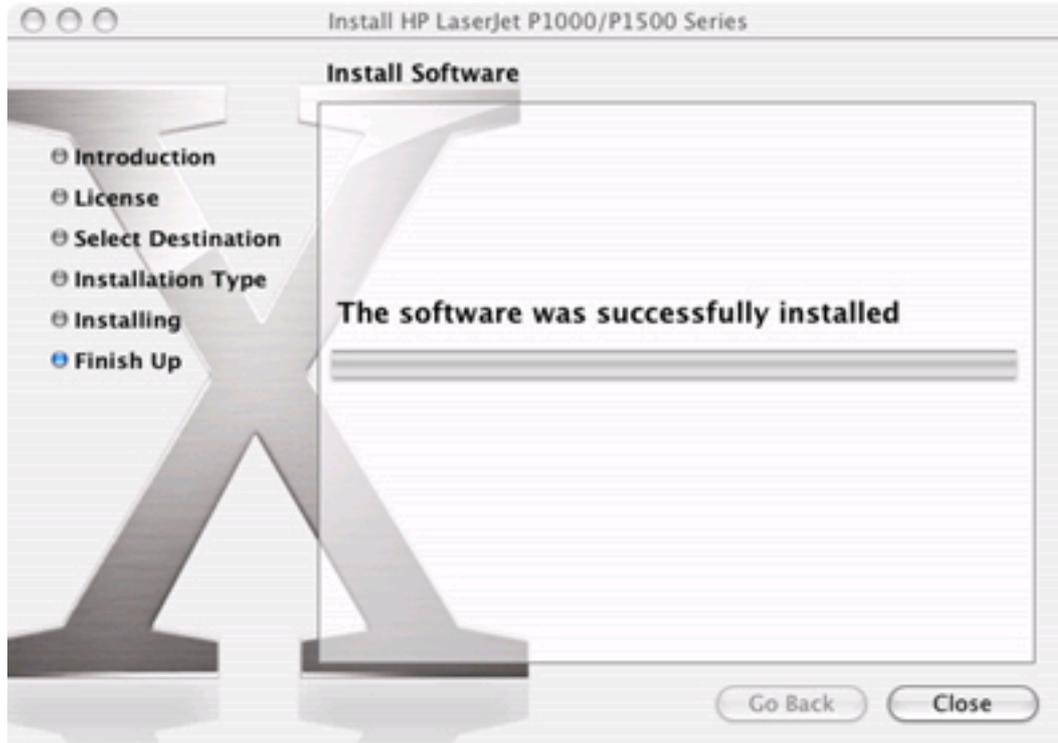
Figure 5-6 Easy Install dialog



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 uninstall utility for the Device Configuration utility is also installed in this directory.

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

Figure 5-7 Installation success message



A dialog stating that the installation was successful appears.

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 v10.4.3 and above](#)
- [Set up a printer with Mac OS X v10.3.9](#)
- [Troubleshooting the printer setup](#)

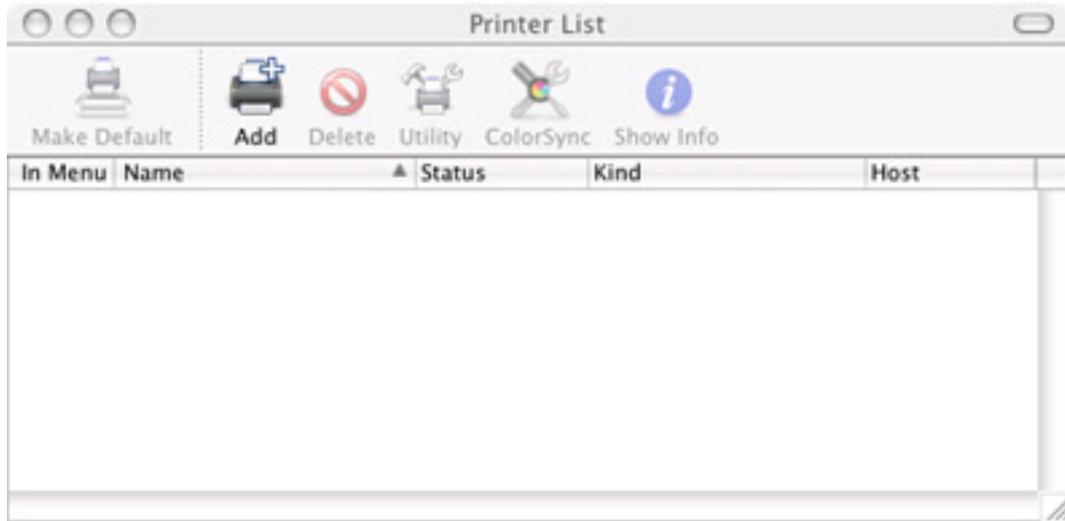
Set up a printer with Mac OS X v10.4.3 and above

Carry out these steps after the software installation is complete.

1. If you are installing the printer using a USB connection, connect the USB cable between the HP LaserJet P1000 or P1500 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 and proceed to step 4.

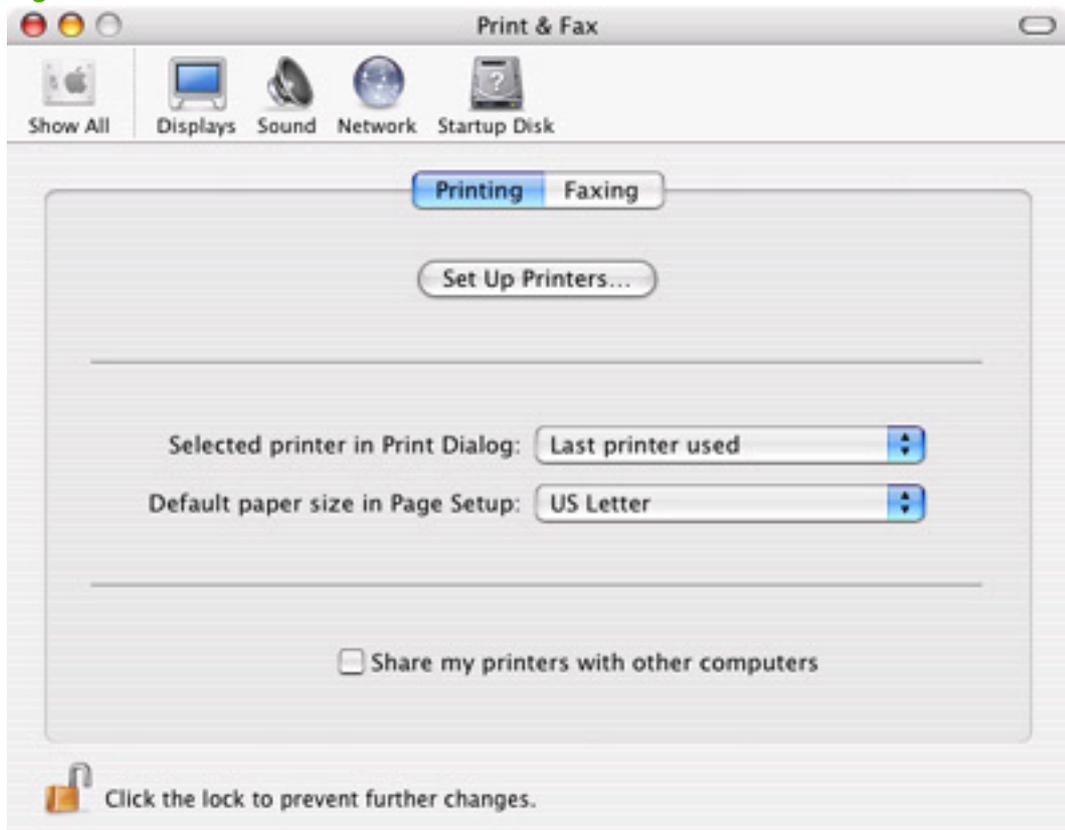
2. In the **Applications** folder, open the **Utilities** folder, and then run the **Printer Setup Utility**. The **Printer List** appears. It looks similar to the one shown in the following figure.

Figure 5-8 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 5-9 Print & Fax screen



3. If you are installing the printer using a USB connection, verify that the printer appears on the printer list. The **Kind** column in the printer list should display either **HP LaserJet P1000 Series** or **HP LaserJet P1500 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](#).

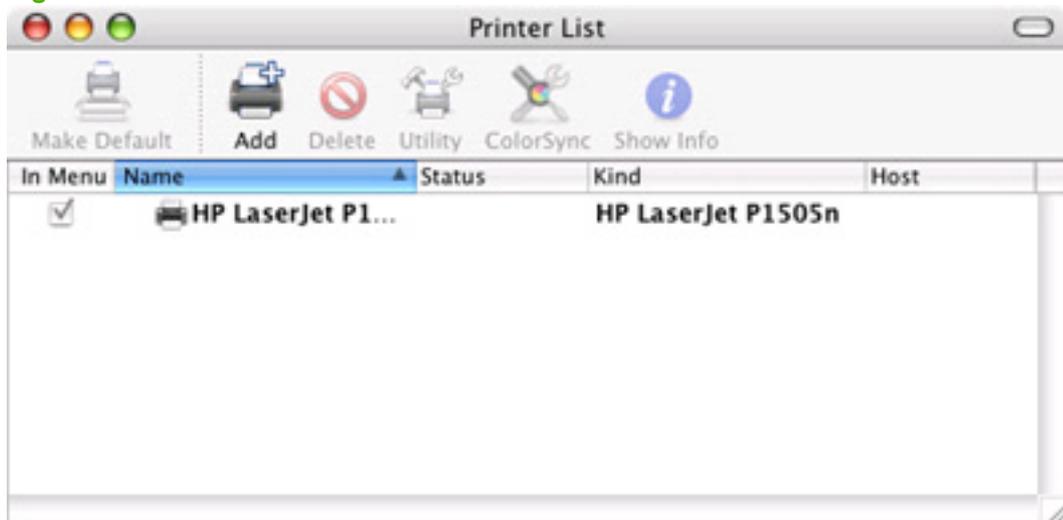
If you are installing the printer using a network connection, continue with the following steps.

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.
 - b. Select either the HP LaserJet P1000 Series printer or the HP LaserJet P1500 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 P1000 or P1500 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 P1000 Series** or **HP LaserJet P1500 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 5-10 Printer List screen

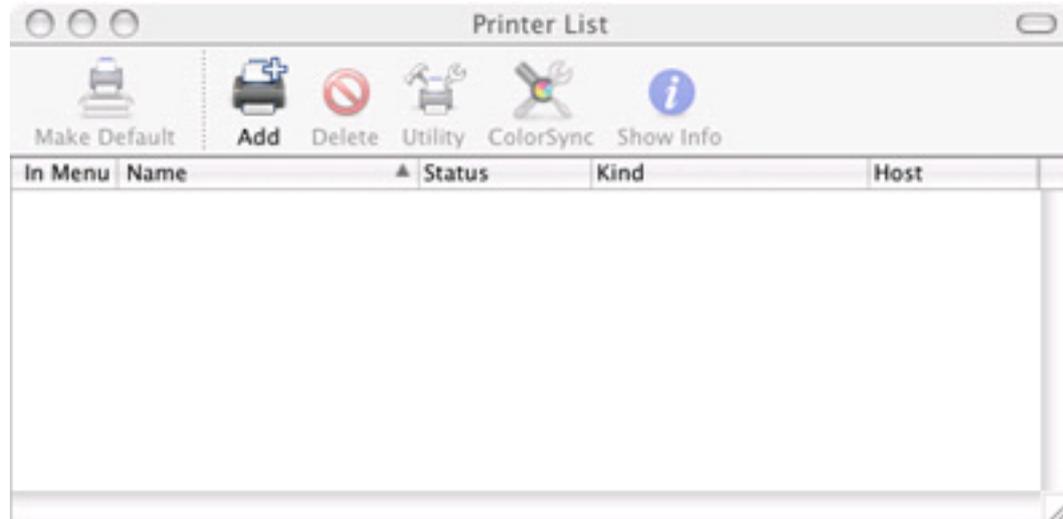


Set up a printer with Mac OS X v10.3.9

1. If you are installing the printer using a USB connection, connect the USB cable between the HP LaserJet P1000 or P1500 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 and proceed to step 4.

2. In the **Applications** folder, open the **Utilities** folder, and then run the **Printer Setup Utility**.

Figure 5-11 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 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 P1000 Series** or **HP LaserJet P1500 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 P1500 Series** printer in the **Name** list. The **Printer Model** and **Model Name** are selected automatically.

NOTE: If the HP LaserJet P1500 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 P1500 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 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/HP1006** folder.
2. Delete the following files:
 - HP LaserJet Utility
 - HP 1006PDE.plugin
 - HP 1006PM.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](#)
- [Information](#)
- [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 P1500 Series printer, and then click **Utility** (Mac OS X v10.3.9 and later). The Web browser opens and the **Device Status** screen appears. In the **Print & Fax** screen, select the HP LaserJet P1500 Series printer, click the **Print Queue...** button, then click **Utility**.

- **Using a Web browser:**

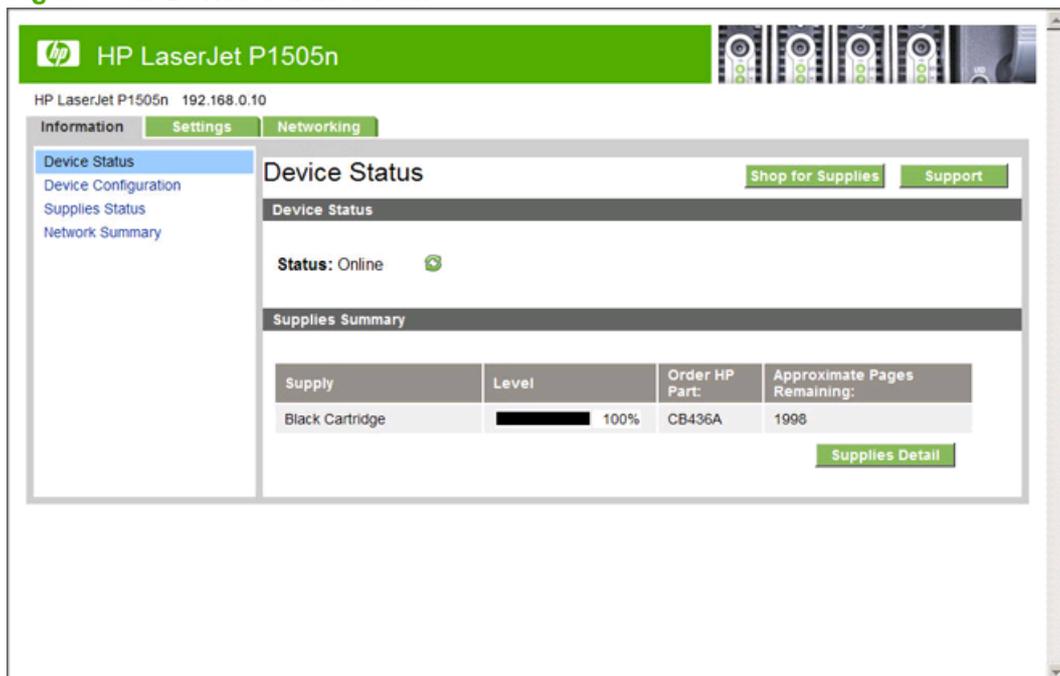
 **NOTE:** This method can only be used if the printer is using a network connection.

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 P1500 Series printer from the list of devices. The web browser opens and the **Device Status** screen appears.

Figure 5-12 Device Status screen



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

Information

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

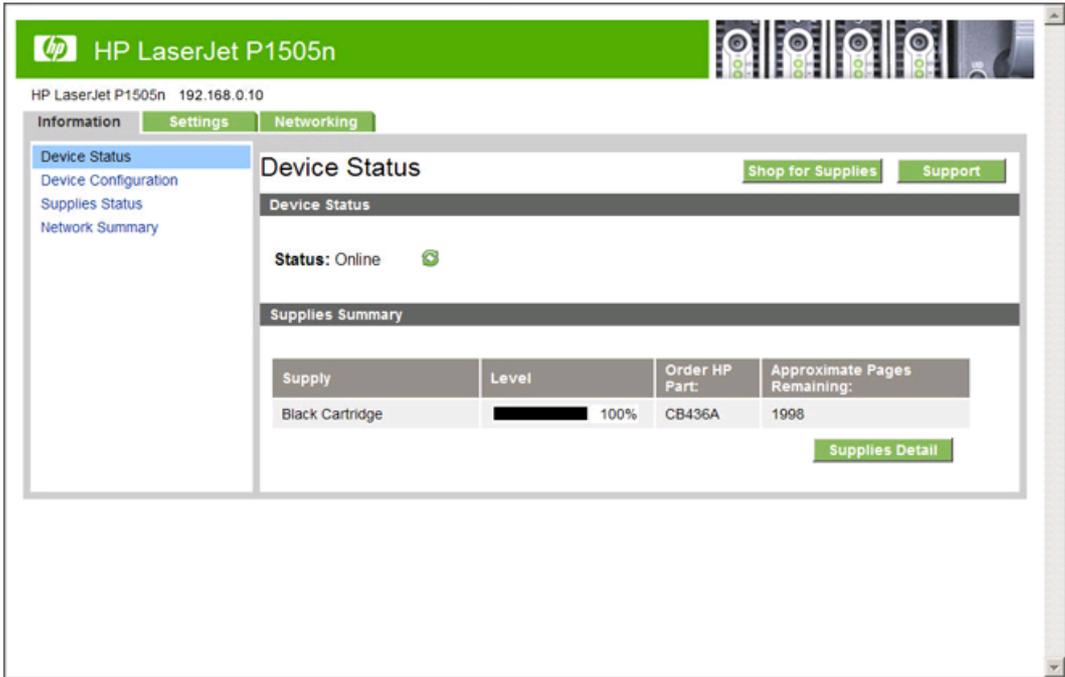
The **Information** tab contains the following pages:

- [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 5-13 HP EWS – Device Status page



The screenshot displays the HP EWS interface for an HP LaserJet P1505n printer. The top navigation bar includes 'Information', 'Settings', and 'Networking' tabs. The 'Information' tab is active, showing a sidebar with 'Device Status', 'Device Configuration', 'Supplies Status', and 'Network Summary'. The main content area is titled 'Device Status' and includes a 'Shop for Supplies' and 'Support' button. The status is 'Online' with a green refresh icon. Below is a 'Supplies Summary' table:

Supply	Level	Order HP Part:	Approximate Pages Remaining:
Black Cartridge	100%	CB436A	1998

A 'Supplies Detail' button is located below the table.

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 5-14 HP EWS – Device Configuration page

The screenshot shows the HP EWS interface for an HP LaserJet P1505n printer. The page is titled "Device Configuration" and includes a navigation menu on the left with options for "Device Status", "Device Configuration", "Supplies Status", and "Network Summary". The main content area is divided into sections: "Product Information", "Installed Personalities and Options", and "Page Counts".

Product Information	
Formatter Number:	KQ0007D
Product Serial Number:	DEBNB60012
Service ID:	17144
Firmware Datecode:	20070627
Total Memory:	32 MBytes
Available Memory:	20 MBytes
Max Monochrome Print Quality:	FastRes 1200
Host Name:	NPIA0573A
Hardware Address:	0018FEA0573A
IPv4 Address:	192.168.0.10
IPv6 Address:	FE80:0:0:218:FEFF:FEA0:573A

Page Counts	
Total Pages Printed	15555
Total Input Jams	2
Total Output Jams	1
Total Cartridge Jams	0
Narrow Media Page Count	15530
Pages per Job	1.00

Supplies Status

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

Figure 5-15 HP EWS – Supplies Status page

The screenshot shows the HP EWS interface for an HP LaserJet P1505n printer, specifically the "Supplies Status" page. The page includes a navigation menu on the left with options for "Device Status", "Device Configuration", "Supplies Status", and "Network Summary". The main content area is titled "Supplies Status" and includes "Ordering Information" and "Return & Recycling" sections.

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
Order HP Part: CB436A 100%

Approximate Pages Remaining: 1998
(Pages remaining will vary depending on the types of documents printed.)

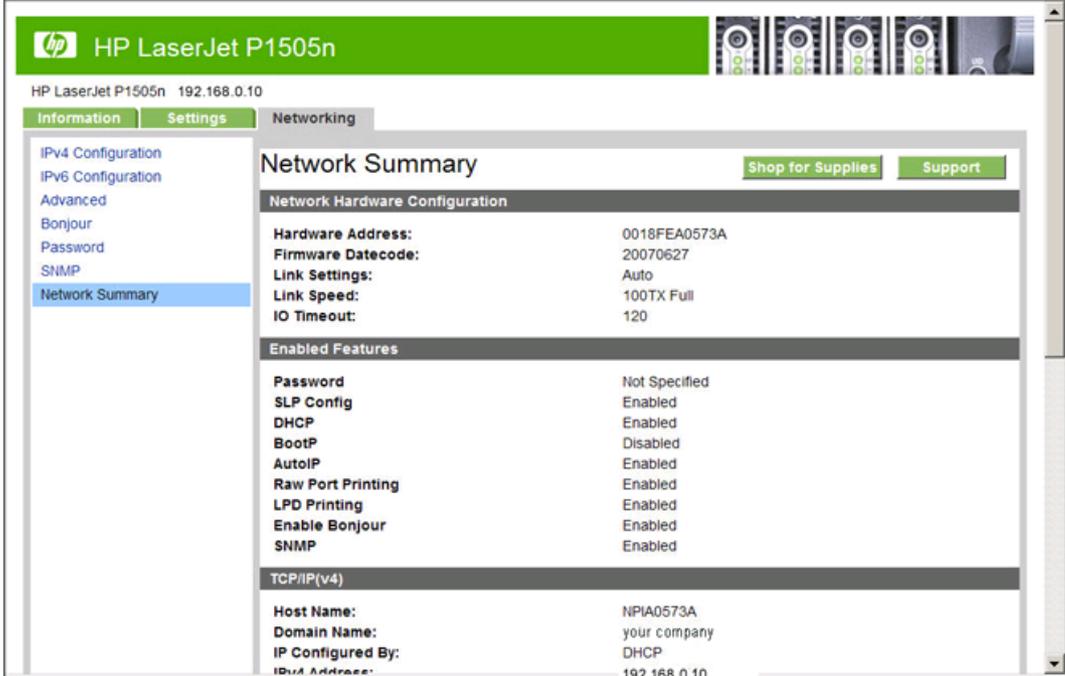
Low Reached: No
Serial Number: 541263361
Pages printed with this supply: 2
First Install Date: Unknown
Last Use Date: 20070814

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 5-16 HP EWS – **Network Summary** page



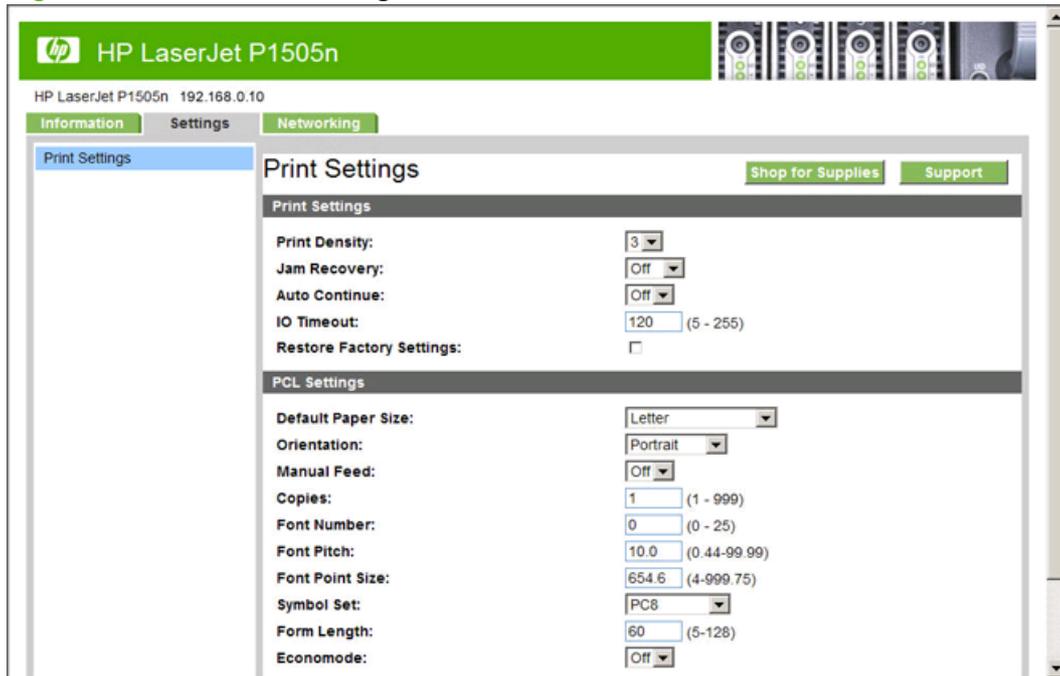
The screenshot displays the HP EWS interface for an HP LaserJet P1505n printer. The page is titled "Network Summary" and includes a "Shop for Supplies" and "Support" button. The interface is divided into several sections:

- Network Hardware Configuration:**
 - Hardware Address: 0018FEA0573A
 - Firmware Datecode: 20070627
 - 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
 - SNMP: Enabled
- TCP/IP(v4):**
 - Host Name: NP1A0573A
 - Domain Name: your company
 - IP Configured By: DHCP
 - IPv4 Address: 192.168.0.10

Settings

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

Figure 5-17 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 5-18 HP EWS – IPv4 Configuration page

HP LaserJet P1505n 192.168.0.10

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: NP1A0573A
Domain Name: your company

IP Address Configuration

Automatic IP Manual IP

DHCP
 BootIP
 AutoIP

Manual IP Address: 192.168.0.10
IP Subnet Mask: 255.255.255.0
Manual Default Gateway: 192.168.0.1

WINS Address Configuration

Automatic WINS Server
 Manual WINS Server

IPv6 Configuration

Figure 5-19 HP EWS – IPv6 Configuration page

HP LaserJet P1505n 192.168.0.10

Information Settings **Networking**

IPv4 Configuration **IPv6 Configuration** Advanced Bonjour Password SNMP Network Summary

IPv6 Configuration [Shop for Supplies](#) [Support](#)

IPv6 Enable
Host Name: NP1A0573A

Link-Local: FE80:0:0:218:FEFF:FEA0:57: 64
Stateless (from Router): 0
Stateful (from DHCPv6): 0

DHCPv6 Addressing Preferences

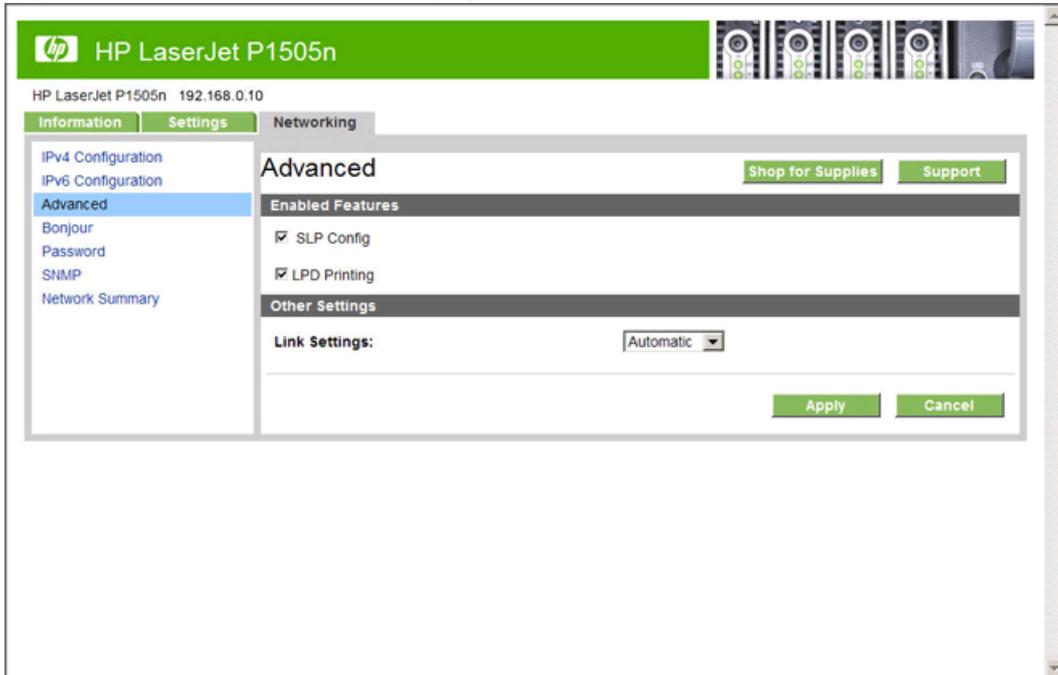
Perform when stateless configuration is unsuccessful
 Always perform on startup

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

Advanced

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

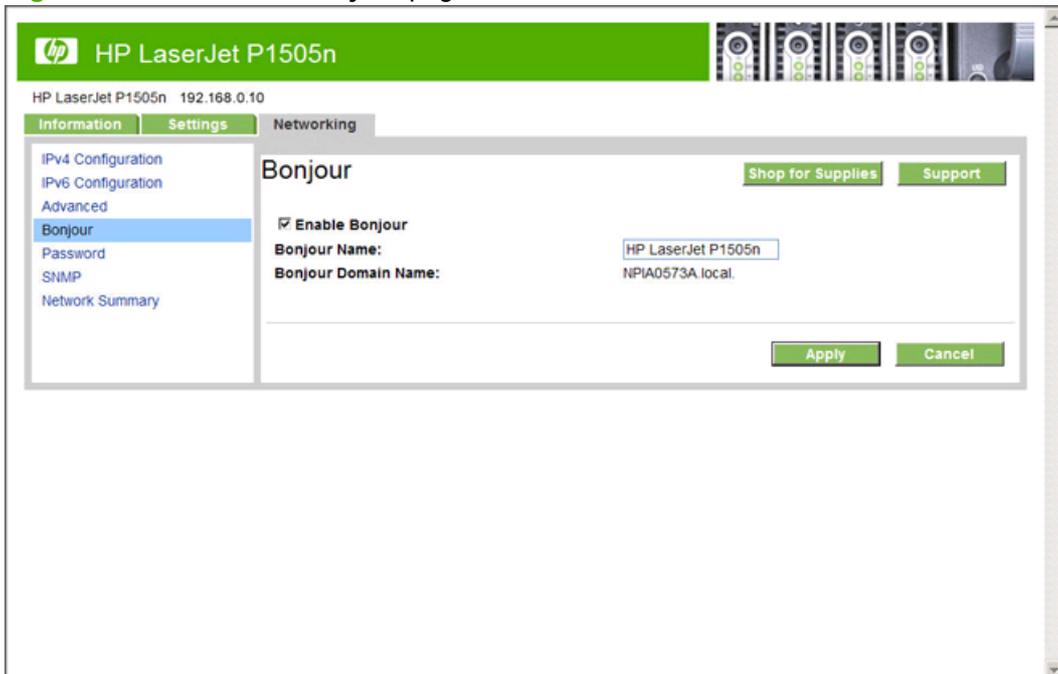
Figure 5-20 HP EWS – **Advanced** page



Bonjour

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

Figure 5-21 HP EWS – **Bonjour** page



Password

Use this page to set or change the administrator password.

Figure 5-22 HP EWS – Password page

The screenshot shows the HP EWS interface for an HP LaserJet P1505n printer. The top navigation bar includes 'Information', 'Settings', and 'Networking'. The 'Networking' section is active, and the 'Password' page is selected in the left sidebar. The main content area is titled 'Password' and contains the following text: '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 text are three input fields: 'User Name' (pre-filled with 'Admin'), 'Password', and 'Confirm Password'. At the bottom right of the form are 'Apply' and 'Cancel' buttons. There are also 'Shop for Supplies' and 'Support' buttons in the top right corner of the main content area.

SNMP

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

Figure 5-23 HP EWS – SNMP page

The screenshot shows the HP EWS interface for an HP LaserJet P1505n printer. The top navigation bar includes 'Information', 'Settings', and 'Networking'. The 'Networking' section is active, and the 'SNMP' page is selected in the left sidebar. The main content area is titled 'SNMP' and contains a caution message: 'Caution: Changing these settings can potentially disrupt network scanning, network faxing (if supported by your device), or other network functionality'. Below the caution are three radio button options: 'Enable SNMP v1/v2 read-write access' (selected), 'Enable SNMP v1/v2 read-only access (uses 'public' for the Get Community Name)', and 'Disable SNMP v1/v2'. The 'Enable SNMP v1/v2 read-write access' option has four input fields: 'Set Community Name', 'Confirm Set Community Name', 'Get Community Name', and 'Confirm Get Community Name'. At the bottom right of the form are 'Apply' and 'Cancel' buttons. There are also 'Shop for Supplies' and 'Support' buttons in the top right corner of the main content area.

Network Summary

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

Figure 5-24 HP EWS – **Network Summary** page

The screenshot displays the HP Embedded Web Server (EWS) interface for an HP LaserJet P1505n printer. The page is titled "Network Summary" and includes a navigation menu on the left with options like "IPv4 Configuration", "IPv6 Configuration", "Advanced", "Bonjour", "Password", "SNMP", and "Network Summary". The main content area is divided into sections: "Network Hardware Configuration" and "Enabled Features".

Network Hardware Configuration

Hardware Address:	0018FEA0573A
Firmware Datecode:	20070627
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
SNMP	Enabled

TCP/IP(v4)

Host Name:	NPIA0573A
Domain Name:	your company
IP Configured By:	DHCP
IPv4 Address:	192.168.0.10

6 Engineering details

Introduction

Topics:

- [Firmware updates](#)
- [Media attributes](#)

Firmware updates

The HP LaserJet P1000 and P1500 Series comes with minimal firmware. The complete firmware is packaged with the printing system software (print driver) and is downloaded to the printer when the first print job is sent to the printer. As a result, there could be a delay for a few seconds before the first job prints.

If a customer tries to use any print driver other than the HP LaserJet P1000 and P1500 Series printer driver — for example a different HP print driver, a Microsoft print driver, or a custom print driver — the printer will not print.

Media attributes

The tables in this section provide information about media features, media attributes, and paper-handling constraints for the HP LaserJet P1000 and P1500 Series printers.

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 6-1 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 6-1 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
2. Tray 2

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 6-2 Tray 1 media information

Type is	Media specifications	Media quantity	Driver settings	Paper orientation
Plain	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	Up to 50 sheets	Plain or unspecified	N/A
Color				
Preprinted				
Prepunched				
Recycled				
Light	60 g/m ² (16 lb) to 75 g/m ² (20 lb)	Up to 50 sheets	Light	N/A
Envelopes	Less than 90 g/m ² (24 lb)	Up to 15 envelopes	Envelope	Short edge leading, flap on right side facing up
Labels	Standard	Up to 10 sheets	Labels	Side to be printed on facing up
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
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
Transparencies	4 mm (0.1 inches) Monochrome Overhead	Up to 10 sheets	Transparency	Side to be printed on facing up
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
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
Cardstock	Up to 10	Up to 10	Cardstock	Side to be printed on facing up
Shipping labels	Up to 10	Up to 10	Cardstock	Side to be printed on facing up

Table 6-3 Tray 2 media information

Type is	Media specifications	Media quantity	Driver settings	Paper orientation
Plain	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	P1000: Up to 150 sheets	Plain or unspecified	N/A
Color		P1500: Up to 250 sheets		
Preprinted				
Prepunched				
Recycled				
Light	60 g/m ² (16 lb) to 75 g/m ² (20 lb)	P1000: Up to 150 sheets P1500: Up to 250 sheets	Light	N/A
Labels	Standard	P1000: Less than 150 sheets P1500: Less than 250 sheets	Labels	Side to be printed on facing up
Bond	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	P1000: Up to 150 sheets P1500: Up to 250 sheets	Bond	Side to be printed on facing up
Rough	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	P1000: Up to 150 sheets P1500: Up to 250 sheets	Rough	Side to be printed on facing up
Heavy	90 g/m ² (24 lb) to 105 g/m ² (28 lb)	P1000: Less than 150 sheets P1500: Less than 250 sheets	Heavy	N/A
Transparencies	4 mm (0.1 inch) Monochrome Overhead	P1000: Less than 150 sheets P1500: Less than 250 sheets	Transparency	Side to be printed on facing down
Letterhead	75 g/m ² (20 lb) to 104 g/m ² (27 lb)	P1000: Less than 150 sheets P1500: Less than 250 sheets	Letterhead	Side to be printed on facing down

Index

Symbols/Numerics

% of Normal Size setting 87

A

About tab 100
Actual Size settings 87
Add Printer Wizard 52, 66
Advanced page, HP EWS 125
Advanced tab features 78
Allow Manual Duplexing 100

B

binding settings 93
bins, output
 features 3
black, printing text as 79
Bonjour 26
Bonjour page, HP EWS 125
booklets 94
both sides, printing on. *See*
 duplexing

C

CD
 directory structure,
 Windows 7
CD-ROM
 directory structure,
 Macintosh 106
 languages, Macintosh 106
Collate option 79
colors, printing as black 79
Configuration page
 HP EWS 22
context-sensitive help 75
Copy option 79
Courier Font Type 100
covers, paper settings 81
custom paper sizes
 settings 82

D

density settings 100
Device Configuration page
 EWS (HP Embedded Web
 Server) 121
Device Settings tab 99
dialog boxes, MAC OS X
 installation 109
directory structure, CD
 Windows 7
directory structure, software CD-
 ROM
 Macintosh 106
disk space requirements
 Macintosh 104
Document Options 92
document preview image 77
documentation
 availability 13
 languages 13
dots per inch (dpi)
 specifications 3
double-sided printing. *See*
 duplexing
dpi (dots per inch)
 Print Quality settings 85
 specifications 3
driver software 8
drivers
 About tab 100
 Device Settings tab 99
 document preview image 77
 Effects tab 86
 Finishing tab 92
 Help system 75
 host-based printing 74
 languages, localized
 versions 10
 Macintosh 9, 104

 Macintosh, access 10
 Paper/Quality tab 80
 Printing Preferences tab 76
 Printing Preferences tab
 set 78
 Properties tab set 98
 Services tab 97
 settings 9
drivers, host-based
 access 76
drivers, install
 Add Printer Wizard 52
 direct connect 62
 driver only 65
 HP Extended Capabilities 50
 license agreement 37
 network computers 64
 overview 34
drivers, uninstall
 Add/Remove Programs 67
 HP program group 67
drivers, Windows
 host-based printing 74
 install 35
 install options 34
 uninstall 67
duplexing
 allowing 100
 settings 93

E

Easy Printer Care, HP 19
EconoMode 85
Effects tab 86
embedded Web server (EWS), HP.
 See HP EWS
error message settings 99
EWS (HP Embedded Web Server)
 Advanced page 125
 Bonjour page 125

- Device Configuration
 - page 121
- Macintosh 118
- Networking tab 123
- Password page 126
- settings 123
- SNMP page 126
- Status tab 120
- Supplies Status page 121
- EWS Device Configuration utility,
 - HP 24
- Extended Capabilities, HP 30,
 - 50

F

- FastRes 85
- files, included on installation CD
 - Windows 7
- Finishing tab 92
- firmware updates 130
- Flip Pages Up settings 93
- fonts
 - Courier settings 100

H

- hardware requirements
 - Macintosh 104
- help
 - context-sensitive 75
 - host-based driver 75
 - Macintosh 108
 - What's this 75
- host-based driver
 - About tab 100
 - access 76
 - Device Settings tab 99
 - document preview image 77
 - Effects tab 86
 - Finishing tab 92
 - Help system 75
 - Paper/Quality tab 80
 - Printing Preferences tab 76
 - Printing Preferences tab
 - set 78
 - Properties tab set 98
 - Services tab 97
- host-based printing 74
- HP Easy Printer Care 19

- HP Embedded Web Server (EWS).
 - See EWS (HP Embedded Web Server)

- HP embedded Web server (EWS).
 - See HP EWS

- HP EWS
 - Device Configuration page 22
 - Device Status page 21
 - HP EWS Device Configuration
 - utility 24
 - Network Summary page 23
 - Networking tab 24
 - Settings tab 24
 - Status tab 20
 - Supplies Status page 22

- HP EWS Device Configuration
 - utility 24

- HP EWS, Networking tab
 - Advanced page 26
 - Bonjour page 26
 - IPv4 configuration page 25
 - IPv6 configuration page 25
 - Network Summary page 28
 - Password page 27
 - SNMP settings 27

- HP EWS, Settings tab
 - HP EWS Device Configuration
 - utility 24

- HP EWS, Status tab
 - Device Configuration page 22
 - Device Status page 21
 - Network Summary page 23
 - Supplies Status page 22

- HP Extended Capabilities 30, 50
- HP Printer Utility, Macintosh
 - accessing 119

- HP program group 67
- HP Web Jetadmin 29

I

- in-box printing-system software
 - Windows 7
- input trays
 - features 3
- installation
 - dialog boxes, Mac OS X 109
 - hardware requirements for
 - Macintosh 104
- interface ports
 - types included 3

- IPv4 configuration page 25
- IPv6 configuration page 25

J

- jam recovery options 99

L

- landscape orientation
 - Flip Pages Up 93
 - option 96
- languages
 - CD-ROMs, Macintosh 106
- localized CD-ROMs
 - Macintosh 106

M

- Macintosh operating systems
 - components, software 107
 - dialog boxes, Mac OS X
 - installation 109
 - directory structure, software CD-ROM 106
 - EWS (HP Embedded Web Server) 118
 - hardware requirements 104
 - install notes 108
 - localized software CDs 106
 - Mac OS 9, not supported 104
 - Mac OS X Classic, not
 - supported 104
 - online help 108
 - setting up devices with Mac OS X 116
 - software components 104
 - uninstalling printing-system
 - software 118

- media

- supported types 133

- media attributes 131

- media options 81

- media type warnings 75

- memory

- installation requirements for
 - Macintosh 104

N

- Network Summary page
 - HP EWS 23
- networking
 - Advanced page 26
 - Bonjour page 26

- HP Web Jetadmin 29
- IPv4 configuration page 25
- IPv6 configuration page 25
- Network Summary page 28
- peer-to-peer, Windows sharing 62
- SNMP settings 27
- Networking tab, HP EWS 123
- number of copies 79

O

- online help, printer properties 8
- operating systems, supported 7
- orientation, page
 - Flip Pages Up 93
 - options 96
- output bin
 - features 3
- overview 7

P

- page orientation
 - Flip Pages Up 93
 - options 96
- Pages per Sheet settings 94
- paper
 - Allow Manual Duplexing 100
 - custom sizes, settings 82
 - driver settings 81
 - jam recovery options 99
 - Pages per Sheet settings 94
 - Print Document On settings 87
 - Print on Both Sides settings 93
 - Scale to Fit setting 87
 - Size is settings 81
 - sizes supported 131
 - Source is settings 82
 - Type is settings 83
 - Use Different Paper/Covers option 81
- paper input trays
 - features 3
- Paper Options 81
- paper output bin
 - features 3
- paper type warnings 75
- Paper/Output settings 79
- Paper/Quality tab 80

- Password page, HP EWS 126
- peer-to-peer networking 62
- Percent of Normal Size setting 87
- Plug-n-Play 52, 66
- portrait orientation
 - Flip Pages Up 93
 - options 96
- ports
 - types included 3
- preview image 77
- Print all Text as Black 79
- Print density settings 100
- Print Document On settings 87
- print media
 - loading trays 133
- Print on Both Sides. See duplexing
- print quality
 - specifications 3
- Print Quality settings 85
- Printer Features settings 79
- printer preferences
 - access 8
- printer properties
 - online Help 8
- Printing Preferences tab set 76, 78
- printing-system software
 - availability, languages 10
 - documentation 13
 - Macintosh 9
 - replacement CD 12
 - Web site, ordering 12
- printing-system software, install
 - Add Printer Wizard 52
 - direct connect 62
 - driver only 65
 - HP Extended Capabilities 50
 - license agreement 37
 - network computers 64
 - overview 34
 - Plug-n-Play 52
- printing-system software, uninstall
 - Add/Remove Programs 67
 - HP program group 67
- printing-system software, Windows
 - install 35
 - install options 34
 - uninstall 67
- program group, HP 67

- Properties tab 76
- Properties tab set 98

Q

- quality
 - specifications 3
- quality settings 85

R

- rear output door
 - features 3
- Resizing Option settings 86
- resolution
 - Print Quality settings 85
 - specifications 3
- Resolution Enhancement technology. See REt
- REt (Resolution Enhancement technology) 79
- rotated page orientation 96

S

- Scale to Fit setting 87
- Services tab 97
- settings
 - drivers 9
- Settings tab, HP EWS Device Configuration utility 123
- simple network management protocol (SNMP) 27
- size settings 86
- sizes, paper
 - custom 82
 - settings 81
 - supported 131
- SNMP page, HP EWS 126
- software
 - supported operating systems 7
- software license agreement 37
- Source is settings 82
- specifications
 - device features 3
- Status Message settings 99
- Status tab
 - EWS (HP Embedded Web Server) 120

- Supplies Status page
 - EWS (HP Embedded Web Server) 121
 - HP EWS 22

T

- top output bin
 - features 3
- trays
 - features 3
 - loading media 133
 - Source is settings 82
- two-sided printing. See duplexing
- types, paper
 - driver settings 83

U

- uninstalling software
 - Macintosh printing system 118
- updating firmware 130
- USB port
 - type included 3
- Use Different Paper/Covers
 - option 81

W

- watermarks 88
- Web Jetadmin, HP 29
- Web sites
 - HP Easy Printer Care 19
 - HP Web Jetadmin 29
 - Macintosh software 105
 - order drivers and software 12
- What's this Help 75
- Windows
 - directory structure on installation CD 7
 - driver settings 9
 - What's this Help 75

