# 1 HP Deskjet 6600 series printer



To find an answer to a question, click the appropriate topic below:

- Notices
- Special features
- Getting started
- · Connecting to the printer
- · Printing photos from a digital camera
- · Printing photos from a computer
- Printing other documents
- Printing tips
- · Printer software
- Maintenance
- Troubleshooting
- · Optional accessories
- Specifications
- Supplies

# 2 Notices

- · Notices and acknowledgements
- · Terms and conventions

## 2.1 Notices and acknowledgements

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## 2.2 Terms and conventions

The following terms and conventions are used in the user's guide.

#### Terms

The HP Deskjet printer may be referred to as the HP printer or printer.

#### Cautions, warnings, and notes

A **Caution** indicates possible damage to the HP Deskjet printer or to other equipment. For example:

Caution: Do not touch the print cartridge ink nozzles or copper contacts. Touching these parts will result in clogs, ink failure, and bad electrical connections.

A Warning indicates possible harm to you or to others. For example:



Warning: Keep both new and used print cartridges out of the reach of children.

A Note indicates that additional information is provided. For example:

Note: For great results use HP products.

# 3 Special features

Congratulations! You have purchased an HP Deskjet printer that is equipped with several exciting features:

- Built-in networking capabilities: Connect to a wired network without using an external print server.
- Ink-backup mode: Ink-backup mode lets you continue printing with one print cartridge when the other print cartridge has run out of ink.
- Print Cancel button: Cancel print jobs at the touch of a button.
- Print multiple pages on a single sheet of paper: Use the printer software to print up to 16 pages on a single sheet of paper.
- Borderless printing: Use the entire page surface when printing photos and cards by using the borderless printing feature.
- Digital photo printing: Use the enhanced digital photo printing capabilities.
- Six-ink upgradeable printing: Enhance photo printing with a photo print cartridge.
- **Direct camera printing**: Use the PictBridge port on the front of the printer to print photographs directly from a digital camera.
- Optional Automatic Two-Sided Printing Accessory: Purchase a Automatic Two-Sided Printing Accessory to print two-sided documents automatically.
- Optional Auto Two-Sided Print Accessory with Small Paper Tray: Purchase a Optional Auto Two-Sided Print Accessory with Small Paper Tray to print twosided documents automatically and load small media from the back of the printer.
- Optional 250-Sheet Plain Paper Tray Accessory: Purchase an optional 250-Sheet Plain Paper Tray Accessory and expand the printer's paper-handling capability.



# 4 Getting started



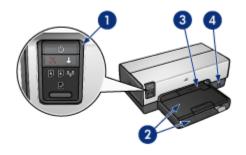
For an overview of the printer features, see the printer features page. Click the appropriate topic below for a description of a printer feature:

- Buttons and lights
- Print Cartridge Status lights
- Paper trays
- Photo/envelope feeder
- Print cartridges
- Ink-backup mode
- Automatic Paper Type Sensor
- PictBridge port

For a description of the optional accessories, see the optional accessories page.

## 4.1 Printer features

The HP printer has several features to make printing easier and more efficient.



- 1. Buttons and lights
- 2. Paper trays
- 3. Photo/envelope feeder
- 4. PictBridge port



- 1. Print cartridges
- 2. Automatic Paper-Type Sensor (not illustrated)
- 3. Ink-backup mode (not illustrated)



- 1. Rear USB port
- 2. Wired Ethernet port

#### **Optional accessories**



Automatic Two-Sided250-Sheet Plain Paper TrayPrinting Accessory (optional)Accessory (optional)

Auto Two-Sided Print Accessory with Small Paper Tray (optional)

## 4.2 Buttons and lights

Use the printer buttons to turn the printer on and off, cancel a print job, and restart a job. The printer lights give you visual cues about the status of the printer.



- 1. Power button and light
- 2. Print Cancel button
- 3. Resume button and light
- 4. Network light
- 5. Report Page button
- 6. Print Cartridge Status lights

For a description of the following buttons and lights, click the appropriate option:

- Report Page button
- Network light
- Print Cartridge Status lights

#### Power button and light

The Power button turns the printer on and off. It might take a few seconds for the printer to turn on after you press the Power button.

The Power light flashes when the printer is processing.



Caution: Always use the Power button to turn the printer on and off. Using a power strip, surge protector, or a wall-mounted switch to turn the printer on and off can cause printer failure.

#### **Print Cancel button**

Pressing the Print Cancel button cancels the current print job.

#### Resume button and light

The Resume light flashes when an action is required, such as loading paper or clearing a paper jam. When the problem is solved, press the Resume button to continue printing.

## 4.3 Print Cartridge Status lights

The Print Cartridge Status lights indicate the status of the print cartridges.

Status of the Print Cartridge Status lights	Status of the print cartridges
On and solid	Low on ink
Flashing	Service required



1. Print Cartridge Status lights



1. The left status light represents the tri-color print cartridge.

**2**. The **right** status light represents the print cartridge that is installed in the compartment on the right side of the print cartridge cradle. That print cartridge can be the black print cartridge, the photo print cartridge, or the gray photo print cartridge.

## 4.4 Paper trays

The printer has two paper trays:

- In tray
- Out tray

#### In tray

The In tray holds paper or other media to be printed.



1. In tray

Slide the paper guides firmly against the edges of the media on which you are printing.



- 1. Paper-width guide
- 2. Paper-length guide

#### Out tray

Printed pages are deposited in the Out tray.



- 1. Out tray
- 2. Photo/envelope feeder

Use the photo/envelope feeder to print single envelopes, small photos, and cards.

Raise the Out tray to load paper.



To prevent paper from falling out of the Out tray, pull out the Out-tray extension, and then unfold the Out-tray extension stop.



- 1. Out-tray extension
- 2. Out-tray extension stop

Do not unfold the Out-tray extension stop when printing on legal paper.

After the print job is complete, fold the Out-tray extension stop, and then push the Out-tray extension into the Out tray.



## 4.5 Photo/envelope feeder

Use the photo/envelope feeder to print the following documents:

- Envelopes
- Photos

Postcards



1. Photo/envelope feeder

#### Envelopes

Follow these steps to use the photo/envelope feeder for single envelopes:

1. Insert the envelope with the side to be printed on facing down and the flap to the left.



- 2. Push the envelope into the printer as far as it will go without bending.
- 3. Print the envelope.

#### Photos

Follow these steps to use the photo/envelope feeder to print a single photo:

- 1. Insert the photo paper into the photo/envelope feeder with the side to be printed on facing down.
- 2. Gently push the photo paper into the photo/envelope feeder as far as it will go without bending.



- 3. Slide the photo/envelope feeder forward as far as it will comfortably go.
  - Note: If the photo paper touches the back of the paper tray, you have pushed the feeder in as far as it needs to go.



4. Print the photo.

#### Postcards

Follow these steps to use the photo/envelope feeder to print a single postcard:

- 1. Insert the postcard into the photo/envelope feeder with the side to be printed on facing down.
- 2. Gently push the postcard into the photo/envelope feeder as far as it will go without bending.



3. Slide the photo/envelope feeder forward as far as it will go.



4. Print the postcard.

## 4.6 Print cartridges

Four print cartridges are available for use with the printer.



- 1. Black
- 2. Tri-color
- 3. Photo
- 4. Gray photo

Note: The availability of print cartridges varies by country/region.

#### Using print cartridges

#### Everyday printing

Use the black and tri-color print cartridges for everyday print jobs.

For more vibrant colors when printing color photographs or other special documents, remove the black print cartridge and use a photo print cartridge in combination with the tri-color print cartridge.

For outstanding black and white photographs, remove the black print cartridge and use a gray photo print cartridge in combination with the tri-color print cartridge.

#### **Replacing print cartridges**

When buying print cartridges, look for the print cartridge selection number.

You can find the selection number in these places:

• Selection number label: Look at the label on the print cartridge that you are replacing.



- 1. Selection number label
- Printer documentation: For a list of print cartridge selection numbers, see the reference guide that came with the printer.
- HP Inkjet Toolbox: Open the HP Inkjet Toolbox, and then select the **Supplies** panel.

If a print cartridge runs out of ink, the printer can operate in the ink-backup mode. For information about installing a print cartridge, see the print cartridge installation page.

## 4.7 Ink-backup mode

In the ink-backup mode, the printer operates by using only one print cartridge. The ink back-up mode is initiated when a print cartridge is removed from the print cartridge cradle.

To remove a print cartridge, see the print cartridge installation page.

#### Ink-backup mode output

Printing in ink-backup mode slows the printer and affects the quality of printed documents.

Installed print cartridge	Result
Black print cartridge.	Colors are printed as grayscale.
Tri-color print cartridge.	Colors print but black is grayed and is not a true black.
Photo print cartridge.	Colors are printed as grayscale.
Gray photo print cartridge.	Colors are printed as grayscale.

Note: It is recommended that you do not use the photo print cartridge or the gray photo print cartridge for ink-backup mode.

#### Exiting ink-backup mode

Install two print cartridges in the printer to exit the ink-backup mode.

To install a print cartridge, see the print cartridge installation page.

## 4.8 Automatic Paper-Type Sensor

The Automatic Paper-Type Sensor automatically selects the appropriate print settings for the media that is being printed on, particularly HP media.

When the Automatic Paper-Type Sensor is engaged, the printer scans the first page of a document with a red optical sensor light to determine the best paper-type setting. After the printer determines the paper-type setting, the page is printed.

Do not place the printer in direct sunlight. Direct sunlight can interfere with the Automatic Paper-Type Sensor.

To use the Automatic Paper-Type Sensor, see the paper-type selection page.

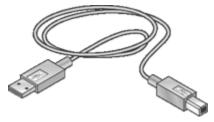
Note: The Automatic Paper-Type Sensor is not available for documents that are printed from the 250-Sheet Plain Paper Tray Accessory or the Auto Two-Sided Print Accessory with Small Paper Tray.

# 5 Connecting to the printer

- · Connecting to a digital camera
- USB
- Wired Ethernet networking
  - · Ethernet basics
  - · Ethernet network examples
  - Installing the printer on an Ethernet network
  - · Connecting the printer to an Ethernet network
  - · Installing the printer software
  - Ethernet lights
  - Report Page button
  - Network light
  - HP Report page
  - Embedded Web server (EWS)
  - · Resetting the printer to the factory default settings
  - Networking glossary

## 5.1 USB

The printer connects to the computer with a universal serial bus (USB) cable.



For instructions about connecting the printer with a USB cable, see the setup poster that came with the printer.

## 5.2 Wired Ethernet networking

For setup information, click one of the following options:

Ethernet basics

HP Deskjet 6600 series printer User's Guide

· Installing the printer on an Ethernet network

For a description of the printer's Ethernet feature, click one of the following options:

- Ethernet lights
- Report Page button
- Network light
- HP Report page
- Embedded Web server (EWS)

Other information:

- · Resetting the printer to the factory defaults
- Troubleshooting
- Glossary

#### 5.2.1 Ethernet basics

The printer's built-in Ethernet feature allows you to connect the printer directly to a 10/100 Base-T Ethernet network without the aid of an external print server.

To install the printer on an Ethernet network, follow the Ethernet installation instructions.

#### Hardware

#### Hubs, switches, and routers

On an Ethernet network, devices, such as computers and printers, are each connected to a network hub, switch, or router.

Hubs, switches, and routers may look similar, but there are important differences:

- Hubs are passive. Other devices on the network plug into the hub in order to communicate with one another. A hub does not manage the network.
- A switch allows devices on a network to communicate directly with one another in a smooth and efficient manner. A switch monitors and directs network traffic in order to allow each transmission the most possible bandwidth. By monitoring network traffic, a switch minimizes collisions and maximizes speed.
- Routers primarily connect different networks (for example, connecting a home network to the Internet). Routers are active. Routers have network administration tools, such as firewalls and DHCP. A router can act as a gateway, while a hub and a switch cannot.

Use a CAT-5 Ethernet cable to connect the printer to an Ethernet network. Ethernet cables have an RJ-45 plug.



1. RJ-45 plug

#### Network communication

#### TCP/IP

Devices on a network communicate with one another using a "language" called a protocol. The printer is designed to operate on networks that use a popular protocol called TCP/IP.

Each device on a network identifies itself with a unique IP address. Most networks use a software tool, such as DHCP or AutoIP, to automatically assign IP addresses.

#### Internet connections

Networks may or may not be connected to the Internet.

If you place the printer on a network connected to the Internet, it is recommended that you use a gateway so that the printer's IP address is assigned through DHCP.

A gateway can either be a router or a Macintosh OSX computer running Internet Sharing. For more information about Internet Sharing, see the documentation that came with the computer.

#### Rendezvous

Rendezvous® is a networking feature available with Mac OS X v10.2 and higher.

Rendezvous allows you to create instant IP-based wired or wireless networks of computers and devices without any configuration.

For more information about Rendezvous, see the documentation that came with your computer.

Note: Hewlett-Packard supports Rendezvous for Mac OS X v 10.2.3 and higher.

#### Ethernet network examples

To see some examples of Ethernet networks, see the Ethernet network examples page.

#### Printing

Computers on the network send print jobs directly to the printer, which prints them in the order received.

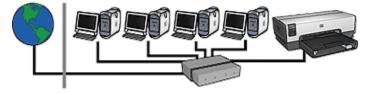
The printer can accept print jobs sent simultaneously from four users.

For example, if five users each send a print job to the printer at the same time, the printer accepts four of the print jobs and rejects the fifth. The user who sent the fifth print job should wait a few minutes and then resend the print job.

#### 5.2.2 Ethernet network examples

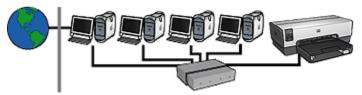
These are some common Ethernet network configurations:

#### Shared Internet connection with a router acting as a gateway

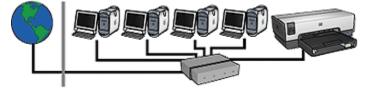


In this example, a router manages the network connections and acts as a gateway between the network and the Internet.

#### Shared Internet connection with a computer acting as a gateway



In this example, the network devices are connected to a hub. A Macintosh OSX computer on the network acts as the gateway between the network and the Internet. The gateway computer uses Internet Sharing to manage the network connections and provide Internet access to the other devices.



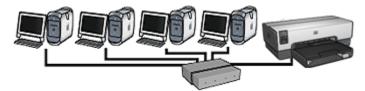
DSL or cable Internet connection without a gateway

This example looks similar to the first example. However, in this example, the network devices are connected to a hub, rather than a router. The hub is directly connected to the Internet.



Caution: HP does not recommend this configuration. If possible, use a gateway to manage your network's Internet access in order to limit exposure to viruses and guard against unwanted entry.

#### Ethernet network without an Internet connection



In this example, the network devices are connected to a hub. Devices use AutoIP to obtain IP addresses.

#### 5.2.3 Installing the printer on an Ethernet network

Installing the printer on an Ethernet network is a two-part process.

First you must connect the printer to the network. Then you must install the printer software on each computer that will use the printer.

- · Connecting the printer to an Ethernet network
- · Installing the printer software

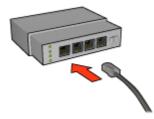
#### 5.2.4 Connecting the printer to an Ethernet network

Follow these steps to connect the printer to an Ethernet network:

1. If necessary, set up the printer hardware.

For printer hardware setup instructions, see the setup poster that came with the printer.

- 2. Verify that the printer is powered on.
- 3. Connect the Ethernet cable to an available port on the network hub or router.



Note: Do not plug the Ethernet cable into a port labeled WAN or Uplink.

- 4. Connect the Ethernet cable to the Ethernet port on the back of the printer.
- 5. Do one of the following:

State of the Link light	Task
On	Go to step 6.
Off	<ul> <li>Repeat steps 2 through 4. If the lights are still off, then verify the following items:</li> <li>The printer is powered on.</li> <li>The network hub or router is powered on.</li> <li>All cable connections are secure.</li> <li>You are using an Ethernet cable.</li> </ul>

- 6. Print an HP Report page.
- 7. Install the printer software on each computer that will use the printer.



Caution: It is recommended that the printer and the computers that use it be on the same subnet. Printer installation across subnets can be problematic depending on the type of router used.

#### 5.2.5 Installing the printer software

Before installing the printer software on a networked computer, verify the following items:

- The printer is set up and powered on.
- The network hub, switch, or router is powered on and functioning properly.
- All computers on the network are powered on and connected to the network.
- The printer is installed on the network.

#### Software installation

Follow these steps to install the printer software on the computer:

- 1. Insert the printer software CD in the computer CD-ROM drive, and then doubleclick the CD desktop icon.
- 2. Double-click the **HP Deskjet 6600 installer** icon, and then follow the onscreen instructions.
- 3. On the Connection Type screen, select Wired Network (802.3), and then click Next.
- 4. Follow the onscreen instructions to complete the software installation.
- 5. On the Add Printer screen, click Open Print Center.
- 6. Click Add Printer.
- 7. Do one of the following depending on the version of Mac OS X you are using:
  - Mac OS x v 10.2.3: Select Rendezvous.
  - Mac OS x v 10.2.2 and lower: Select **HP IP Printing**, and then click the **Discover** button.
- 8. Select the printer, and then click the Add button.
- 9. Close Print Center.

#### 5.2.6 Ethernet lights

The printer's Ethernet lights indicate the status of the printer's Ethernet connection.

#### Link light

The Link light is solid when the printer is connected to an Ethernet network and powered on.

State of the Link light	State of the printer
On	Connected to an Ethernet network and powered on.
Off	Not connected to an Ethernet network or powered off.

#### Activity light

The Activity light flashes when the printer is receiving or transmitting data over the Ethernet connection.

State of the Activity light	State of the printer
Flashing	Receiving or transmitting data over the Ethernet connection.
Off	Not receiving or transmitting data over the Ethernet connection.

#### 5.2.7 Report Page button

Use the Report Page button to do the following:

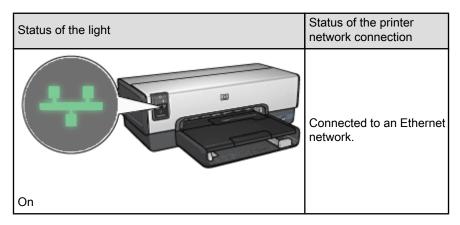
- Print an HP Report page
- · Reset the printer to the factory defaults

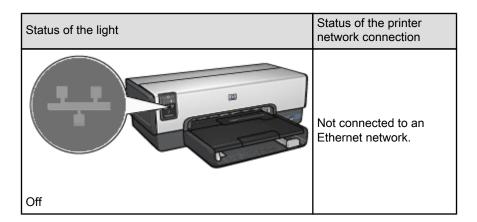


1. Report Page button

#### 5.2.8 Network light

The Network light illuminates when the printer is connected to an Ethernet network.



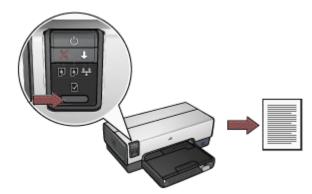


#### 5.2.9 HP Report page

The HP Report page supplies useful information about the printer's wired and PictBridge connections.

#### Printing an HP Report page

To print an HP Report page, verify that the printer is powered on and idle, and then press the **Report Page** button once.



If the printer has just been connected to a network, wait a few minutes before printing the HP Report page to allow the printer to obtain valid settings.

#### Selecting the language

The default language for the HP Report page is English. Follow these steps to print the page in another language:

- 1. Press the **Report Page** button to print the English version of the page.
- 2. On the lower portion of the page, find the language that you want.
- 3. To print the page in that language, follow the instructions that correspond to the language.

For example, to print the page in French, press and hold down the **Report Page** button, press the **Resume** button twice, and then release the **Report Page** button.

#### Understanding the HP Report page

The HP Report page lists the following information that you might frequently need to know:

#### General information

General information applies to Ethernet networks:

Item	Meaning
	The printer's network status:
Network Status	• Ready: The printer is ready to print.
	Offline: The printer is not connected to a network.
	The type of network the printer is connected to:
Active Connection Type	<ul> <li>Wired: The printer is connected to an Ethernet network.</li> </ul>
	<ul> <li>Disabled: The printer is not connected to a network.</li> </ul>
URL	The address to use in order to open the printer's embedded Web server.
Hardware Address (MAC)	The printer's Media Access Control (MAC) address.
	Revision number of the printer's internal software.
Firmware Revision	This item may be requested by HP Service and Support.
Host Name	The printer's host name on the network.
IP Address	The printer's current IP address on the network.
Subnet Mask	The printer's subnet mask.
Default Gateway	The printer's gateway address.

Item	Meaning
Configuration Source	How the printer obtained its IP address:
	Automatic: AutoIP or DHCP
	Manual: Static IP address
DNS Server	The IP address of the printer's domain name server. <b>Not Specified</b> means that no IP address has been set. This setting does not apply to the printer.
mDNS	The printer's mDNS service name on the network.
	This name is used by Apple Rendezvous to identify the printer on Mac OS X v10.2.3 and higher.
Admin Password	Indicates whether the printer's embedded Web server is password protected.
	Set: A password is required.
	<ul> <li>Not Set: A password is not required.</li> </ul>
Link Config	The network link configuration:
	• 10T-Full
	• 10T-Half
	• 100TX-Full
	• 100TX-Half

#### 802.11 wireless

The 802.11 wireless information does not apply to the HP Deskjet 6600 series printer.

The Miscellaneous section contains information that applies to Ethernet networks and PictBridge connections:

Item	Meaning
	Number of packets sent without error.
Total Packets Transmitted	This item may be requested by HP Service and Support.
	Number of packets received without error.
Total Packets Received	This item may be requested by HP Service and Support.

Item	Meaning
PictBridge Status	<ul> <li>Connected: The printer is connected to a digital camera.</li> </ul>
	<ul> <li>Error: Something is wrong with the PictBridge connection.</li> </ul>
PictBridge Last Error	The last known error to occur in the printer PictBridge function since the printer was last turned on.

#### 5.2.10 Embedded Web server (EWS)

The embedded Web server (EWS) provides a simple way to manage your printer on a network.

	Use the printer's EWS to do the following:
Description         Description           First Acting         Person of the second of th	<ul> <li>Check the printer's status.</li> <li>Adjust the printer's network configuration.</li> <li>Check estimated ink levels in the print cartridges.</li> <li>View network statistics.</li> <li>Visit HP's Web site for support information and to purchase supplies.</li> </ul>

Caution: It is recommended that the printer and the computers that use it be on the same subnet. Printer installation across subnets can be problematic depending on the type of router used.

Before using the EWS, verify that the printer and the computer are powered on and connected to the network.

Follow these steps to open the EWS:

1. Launch your Internet browser.

Use Microsoft Internet Explorer 5.0 or higher, Netscape 4.75 or higher, or Apple Safariâ,,¢.

- 2. Enter the printer's IP address in the browser's address box.
- Note: If your computer uses a proxy server to access the Internet, you might need to configure your browser to by-pass the proxy server in order to access the EWS.

If you do not know the printer IP address, print an HP Report page.

Note: For instructions on using the printer's EWS, see the online help. To open the online help, click **Help** under the **Other Links** heading.



Caution: If you lose your connection, you may need to use the new settings to reconnect. If the printer loses its network connection, you may need to reset it to factory defaults and reinstall the software.

#### 5.2.11 Resetting the printer to the factory default settings

Once the printer is configured for a network, its configuration settings are saved in its memory.

Resetting the printer to its factory default settings will clear all the settings from the printer's memory for your network. This should only be done as a last resort when troubleshooting the printer.

Also, resetting the printer to its factory default settings erases the embedded Web server (EWS) administrator password.

Resetting the printer to its factory default settings may require you to reinstall the printer software. Additionally, you will also have to reconfigure the printer's security settings.

Follow these steps to reset the printer to the factory default settings:

- 1. Verify that the printer is powered on.
- 2. Press and hold down the Report Page button.
- 3. While holding down the **Report Page** button, press the **Cancel** button three times.
- 4. Release the Report Page button.

#### 5.2.12 Networking glossary

#### numbers

10/100 Base-T: A technical term for Ethernet. 10/100 refers to the speed at which the Ethernet network functions. 10 indicates 10 megabits per second (Mb/s) for normal Ethernet, and 100 indicates 100 Mb/s for Fast Ethernet.

а

AutoIP: A process by which a device on a network automatically assigns an IP address to itself.

b

**BOOTP**: Bootstrap Protocol (BOOTP) is an Internet protocol that enables a device to discover its own IP address, the IP address of a BOOTP server on the network, and a file to be loaded into memory to boot the machine. This enables the device to boot without requiring a hard or floppy disk drive.

**Broadcast packet**: A packet sent from one device on a network to all devices on the network.

#### d

**DHCP (Dynamic Host Configuration Protocol)**: A protocol used to automatically assign an IP address to each device on a network.

е

**EAP**: Extensible Authentication Protocol (EAP) is a general protocol for authentication that also supports multiple authentication methods, such as token cards, one-time passwords, certificates, and public key authentication.

Ethernet: A popular form of wired computer networking for Local Area Networks.

**Ethernet cable**: There are two types of Ethernet cables. A straight-through cable is the most common and is used to connect devices on a network to a hub or router. A crossover cable is used to connect two devices that have Ethernet ports but that are not hubs or routers. Use a CAT-5 cable with an RJ-45 plug to connect the printer to an Ethernet network.

#### f

**Firewall**: A combination of hardware and software tools that protects a network from unwanted entry.

#### g

**Gateway**: A dedicated device (router or computer) that connects two different networks. For example, a computer on an Ethernet network may act as a gateway between the network and the Internet.

#### h

**Host name**: The name by which the printer identifies itself on the network. The printer's host name appears on the HP Report page. Use the host name to open the printer's embedded Web server (EWS).

**Hub**: A simple device that acts as the center of an Ethernet network. Other devices on the network are connected to the hub.

i.

**ICS (Internet Connection Sharing)**: A Windows program that allows a computer to act as a gateway between the Internet and a network. ICS uses DHCP to assign IP addresses. See Windows documentation for more information about ICS.

**Internet Sharing**: A Macintosh OSX program that allows a computer to act as a gateway between the Internet and a network. See Macintosh documentation for more information about Internet Sharing.

**IP address (Internet Protocol address)**: A unique number that identifies a device on a network. The IP address is often automatically assigned by DHCP or AutoIP. However, a device can be manually assigned a static IP address.

#### L

LAN (Local Area Network): A high-speed type of computer network that connects devices that are a relatively short distance from one another. An Ethernet network is one type of LAN.

#### m

**MAC address (Media Access Control address)**: The hardware address for a device on a network. The printer's MAC address appears on the HP Report page.

**Mb/s (megabits per second)**: The measure for the rate at which a network functions. For example, 1 Mb/s equals 1,000,000 bits per second (or 125,000 bytes per second).

**mDNS**: As an alternative to a Domain Name Server, a device issues a Multicast Domain Name Server (mDNS) notification to provide information regarding its service. The notification includes the type of service (such as printing), the name of the service (such as "your printer"), IP and port addresses, and other necessary information. Each device on the network receives the notification and stores the information in a personal DNS server.

#### р

**Packet**: A message sent from one device on a network to other devices on the network.

**Protocol**: A language that devices on a network use to communicate with each other. A popular network protocol is TCP/IP.

#### r

**RJ-45**: The type of plug at the end of an Ethernet cable.

**Router**: A complex networking device that directs packets from one network to another network. A router can act as a gateway between a LAN and the Internet.

S

**Static IP address**: An IP address that is manually assigned to a device on a network. A static IP address remains fixed until changed manually. Alternative methods for assigning IP address are DHCP and AutoIP.

**Subnet**: A small network that acts as part of a large network. It is recommended that the printer and the computers that use the printer all be on the same subnet.

Subnet mask: A number that identifies the IP addresses that belong to a subnet.

**Switch**: A network device that manages network traffic in order to minimize collisions and maximize speed.

t

**TCP/IP**: Transmission Control Protocol/Internet Protocol (TCP/IP) is the network communication protocol used on the Internet. The printer's built-in networking feature supports LANs that use TCP/IP.

u

**Unicast packet**: A packet sent from one device on a network to another device on the network.

# 6 Printing photos from a digital camera

Learn how to print photos directly from a digital camera:

- PictBridge description
- PictBridge printing instructions
- PictBridge troubleshooting
- Using the Auto Two-Sided Print Accessory with Small Paper Tray and PictBridge

## 6.1 PictBridge

With a PictBridge-enabled camera, you do not need a computer to print digital photographs. Just plug the camera into the printer's PictBridge port.



- 1. PictBridge port
- Note: When two PictBridge devices communicate, they provide only the services that they have in common. For example, some cameras might allow photos formatted as either TIFFs or JPEGS to be printed over a PictBridge connection, but, since the printer does not support TIFFs over a PictBridge connection, only JPEGS can be printed.

When a camera is connected to the PictBridge port, the default printer settings will print a  $4 \times 6$  inch borderless photo with portrait orientation. For detailed information on printing from the camera, consult the documentation that came with your camera.

## 6.2 PictBridge printing

In order to print photos directly from a digital camera, you need the following items:

- A PictBridge-compatible camera
- A digital camera USB cable



Check the documentation that came with your camera to ensure that your camera supports PictBridge.

#### Printing

Follow these steps to print photos from a PictBridge-compatible camera:

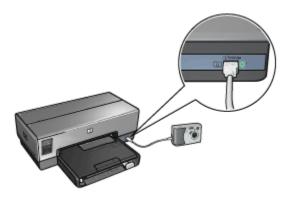
1. Load photo paper into the printer.

For instructions about loading photo paper, select one of the following options:

- Small photos
- Large photos
- Small photos from the Auto Two-Sided Print Accessory with Small Paper Tray
- 2. Connect your camera to the PictBridge port on the front of the printer using the USB cable supplied with your camera.
- 3. Turn on your camera, and then set it to PictBridge mode.

If you do not know how to set the camera to PictBridge mode, see the documentation that came with the camera.

Note: When the camera is connected correctly, the Connection light is illuminated. The Connection light blinks green when printing from the camera. If the camera is not PictBridge-compatible or is not in PictBridge mode, the Error light flashes.



After you successfully connect the camera to the printer, you can print your photos. Be sure the size of the paper loaded in the printer matches the setting on your camera. Refer to the documentation that came with your camera for detailed information on printing from the camera.

## 6.3 PictBridge problems

#### Images in a connected digital camera do not print

There are several reasons why images in a connected digital camera do not print:

- The digital camera is not PictBridge-compatible.
- The digital camera is not in PictBridge mode.
- · The images are not in a supported format.
- · You did not select any photos on the camera for printing.

Check the documentation that came with your camera to ensure it supports PictBridge.

If the camera does support PictBridge, make sure the camera is set to PictBridge mode. For instructions on setting the camera to PictBridge mode, see the documentation that came with the camera.

Verify that the digital camera is saving photos in a file format that the PictBridge transfer feature supports:

- EXIF/JPEG
- JPEG

Before you connect the digital camera to the PictBridge port on the printer, select a few photos on the camera for printing.

#### PictBridge lights are flashing

State of the lights	Task
Connection light and the Error light are flashing	The printer has lost connection with the camera while printing. Check the USB connection.
Connection light is on and the Error light is flashing	The camera has lost power. Replace the camera batteries or connect it to a power supply.
Connection light is on and the Error light flashes twice	The camera has requested an unsupported command.

# 6.4 Using the Auto Two-Sided Print Accessory with Small Paper Tray when printing from a digital camera

In order to use the Auto Two-Sided Print Accessory with Small Paper Tray when printing directly from a digital camera, you might need to configure the printer to feed paper from the accessory rather than the In tray.



#### Configuring the printer to feed paper from the accessory

Follow these steps to configure the printer to feed paper from the accessory:

- 1. Press and hold down the **Report Page** button.
- 2. While holding down the **Report Page** button, press the **Cancel** button twice.
- 3. Release the **Report Page** button.

After configuring the printer to feed paper from the accessory, load the photo paper into the accessory and then follow the PictBridge printing instructions.

Note: For printing PictBridge photos, the printer only needs to be configured to feed paper from the Auto Two-Sided Print Accessory with Small Paper Tray once. After being configured, the printer will attempt to print from the accessory until the printer is configured to use the In tray for PictBridge photos.

#### Re-configuring the printer to feed paper from the In tray

Follow these steps to re-configure the printer to feed paper from the In tray for PictBridge photos:

- 1. Press and hold down the **Report Page** button.
- 2. While holding down the **Report Page** button, press the **Cancel** button twice, and then press the **Resume** button once.
- 3. Release the **Report Page** button.

# 7 Printing photos from a computer

Select the type of photograph that you want to print:

Borderless Photos







Small borderless photo Large borderless photo Panoramic borderless photo

Photos with a white border







Small photo with a white border

Large photo with a white border

Panoramic photo with a white border

#### Enhancing your photos

Learn how to enhance your photographs by using the printer's photo printing features.

#### PictBridge

Use the printer PictBridge port to print photos directly from a digital camera.

## 7.1 Enhancing your photos

The printer software offers several features to make printing digital photos easier and improve photo quality:

- Use the HP digital photography options to touch up photos.
- · Achieve the highest resolution with Maximum dpi.
- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.

Learn how to add professional touches to your digital photographs:

- Use the photo print cartridge for great colors.
- · Use these software options for advanced color settings:
  - Color options
  - CMYK settings
  - Advanced color management
- Use the gray photo print cartridge for outstanding black-and-white photos.
- Print black-and-white photos.
- Print to the edges of the photo paper with borderless printing.

To prevent photo paper from curling, follow the photo paper storage guidelines.

## 7.2 Printing digital photographs

The printer has several features to improve the quality of digital photographs.

#### Accessing the digital photography options

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.
- 3. Click the Digital Photo tab.

Printer: Deskjet 6500
Presets: Standard
Paper Type/Quality
Paper Color Options CMYK Settings Digital Photo Ink
1 Digital Flash
This feature fills in dark areas of your photographs, similar to a flash on a camera.
Auto
Off More
Preview Save As PDF Fax     Cancel Print

#### Using the digital photography options

- 1. Options Menu: Select from the following options:
  - Red eye removal: Click On to remove or reduce red-eye in the photograph.
  - **Digital flash**: Adjust the exposure in dark areas of photos to bring out detail. Click **Auto** to allow the printer driver to automatically balance lightness and darkness.
  - Contrast enhancement: Adjust the contrast to your preference. Click Auto to allow the printer driver to automatically balance the contrast.
  - SmartFocus: Enhance the image quality and clarity. Click **On** to allow the printer driver to automatically sharpen details in the image.
  - **Smoothing**: Soften an image. Click **Auto** to allow the printer driver to automatically set the level of smoothing for the image.
  - Sharpness: Adjust the image sharpness to your preference. Click Auto to allow the printer driver to automatically set the level of sharpening for the image.

## 7.3 Maximum dpi

The Maximum dpi print quality setting offers 4800 x 1200 optimized dpi printing.

The 4800 x 1200 optimized dpi print mode is the highest quality resolution for this printer. When  $4800 \times 1200$  optimized dpi is selected in the printer driver, the tri-color print cartridge prints in the  $4800 \times 1200$  optimized dpi mode (up to  $4800 \times 1200$  optimized dpi color and 1200-input dpi). If a photo print cartridge is also installed, the print quality is enhanced. A photo print cartridge can be purchased separately if it is not included with your printer.

Follow these steps to print in the 4800 x 1200 optimized dpi mode:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Presets:	Standard
	Paper Type/Quality
Paper Color	Options CMYK Settings Digital Photo Ink
	Paper Type: Automatic
	Quality: Maximum dpi
<u> </u>	Color: ColorSmart/sRGB
<i>c</i>	
Sour	ce: Upper Tray

- 3. In the **Paper Type** drop-down list, click **Photo Paper**, and then click the appropriate photo paper type.
- 4. In the Quality drop-down list, click Maximum dpi.
- 5. Select any other print settings that you want, and then click Print.

## 7.4 Saving money when printing photos

#### HP Everyday Photo Paper

To save money and ink when printing photos, use HP Everyday Photo Paper, Semigloss and set the Print quality to Normal. HP Everyday Photo Paper, Semi-gloss is designed to create quality photos with less ink.

Note: For higher-quality photos, use HP Premium Plus Photo paper and set the **Print quality** to **Best** or Maximum dpi.

## 7.5 Photo print cartridge

The photo print cartridge, used in conjunction with the tri-color print cartridge, provides six-ink, virtually grain-free photos that have exceptional fade resistance.



The photo print cartridge can be purchased separately if it is not included with your product.

#### Installing the photo print cartridge

To install the photo print cartridge, remove the black print cartridge from the printer, and then install the photo print cartridge in the compartment on the right of the print cartridge cradle.

For more information, see the print cartridge installation page.

#### Using the photo print cartridge

Follow these steps to print in the six-ink color print mode:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.
- 3. Select the appropriate photo paper type from the Paper Type drop-down list.
- 4. Select one of the following print-quality modes from the Quality drop-down list.
  - Normal
  - Best
  - Maximum dpi
- 5. Select any other print settings that you want, and then click Print.

#### Storing the photo print cartridge

To maintain the health of the print cartridge, follow the print cartridge storage guidelines.

## 7.6 Using color options

Adjusting the color options causes the printed colors to differ from the colors that appear on your computer monitor.

Follow these steps to set color options:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Printer:	
Presets:	
Paper Color	Options CMYK Settings Digital Photo Ink
	Paper Type: Automatic
Sour	Color: ColorSmart/sRGB
(?) (Preview) (S	ave As PDF) Fax (Cancel) Print

- 3. Verify that ColorSmart/sRGB is selected in the Color drop-down list.
- 4. Click the Color Options tab.

P	aper Type/Qual	tγ	•
Paper Color Op	tions CMYK	Settings Dig	ital Photo Ink
	Saturation:	0 Muted	Vibrant
	Brightness:	0 Darker	Lighter
	Color Tone:	0 Cooler	Virmer

- 5. Adjust the **Saturation**, **Brightness**, and **Color Tone** to affect how overall colors are printed.
- 6. Select any other print settings that you want, and then click Print.

## 7.7 CMYK settings

Follow these steps to specify the CMYK settings:

- 1. Open the Print dialog box.
- 2. Click the Paper Type/Quality tab.
- 3. Click the CMYK tab.

P	aper Type/Qua	ality 😯
Paper Color O	ptions CMY	K Settings Digital Photo Ink
	Cyan:	0
	Cyan.	-50 0 +50
- Ye-	Magenta:	0 -50 0 +50
	Yellow:	0 - <u>io' · · · · · · · · · · · · · · · · · · ·</u>
	Black:	0
		-50 0 +50

- 4. Adjust the **Cyan**, **Magenta**, **Yellow**, and **Black** sliders to specify the level of each color that is used in printing.
- 5. Select any other print settings that you want, and then click Print.

## 7.8 Advanced color management

Color management defines the range of colors that can be printed. The printer software translates the colors of your document from their current color settings to the color-management option that is selected.

Follow these steps to select a color-management option:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Printer:	Deskjet 6500
Presets:	Standard
	Paper Type/Quality
Paper Colo	Options CMYK Settings Digital Photo Ink
	Paper Type: Automatic
	Quality: Normal
	Color: AdobeRGB
Sour	ce: Upper Tray
Preview S	ave As PDF) (Fax) (Cancel) (Print
Freview	ive AS FDF Fax Cancel

- 3. In the Color drop-down list, click one of the following options:
  - AdobeRGB: When printing from a professional application with AdobeRGB, turn off the color management in the application and allow the printer software to manage the color space. Use the AdobeRGB setting for documents or photos that were originally created in the AdobeRGB color space.
  - ColorSync: This option allows the printer driver to manage the color of the document.
  - Managed by application: This option allows the application from which you are printing to manage the color of the document.
- 4. Select any other print settings that you want, and then click Print.

## 7.9 Gray photo print cartridge

The gray photo print cartridge, used in conjunction with the tri-color print cartridge, prints high-quality black-and-white photographs.



The gray photo print cartridge can be purchased separately if it is not included with your product.

#### Installing the gray photo print cartridge

To install the gray photo print cartridge, remove the black print cartridge from the printer, and then install the gray photo print cartridge in the compartment on the right of the print cartridge cradle.

For more information, see the print cartridge installation page.

#### Using the gray photo print cartridge

To use the gray photo print cartridge, follow the steps to print a black-and-white photo.

#### Storing the gray photo print cartridge

To maintain the health of the print cartridge, follow the print cartridge storage guidelines.

## 7.10 Printing black-and-white photos

You can perform the following tasks with the printer:

- · Print a black-and-white photo
- · Print a color photo in black-and-white

For great black-and-white photos, install a gray photo print cartridge and a tri-color printer cartridge in the printer.

#### Printing a black-and-white photo

To print a photo that is already black-and-white, simply follow the instructions for the type and size of photo that you want to print.

#### Printing a color photo in black and white

Follow these steps to print a color photo in black-and-white:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Printer:	Deskjet 6500
Presets:	Standard
	Paper Type/Quality
Paper Colo	r Options CMYK Settings Digital Photo Ink
Sour	Paper Type: Automatic  Quality: Normal Color: Grayscale Ce: Upper Tray
Preview S	ave As PDF Fax Cancel Print

- 3. In the Color drop-down list, click Grayscale.
- 4. Select any other print settings that you want, and then click Print.

## 7.11 Printing borderless photos

Use borderless printing to print to the edges of certain paper types and on a range of standard paper sizes.

#### Guidelines

- Do not print borderless documents in ink-backup mode. Always have two print cartridges installed in the printer.
- Open the file in a software application and assign the image size. Ensure that the size corresponds to the paper size on which you want to print the image.

#### Printing

Follow these steps to print a borderless document:

- 1. Open the file that you want to print.
- 2. Open the Page Setup dialog box.

Settings:	Page Attributes	•
Format for:	Deskjet HP Deskjet	•
Paper Size:	Borderless A4 8.27 in x 11.69 in	
Orientation:		
Scale:	100 %	
?	Canc	el OK

- 3. Click the appropriate borderless paper size in the Paper Size list.
- 4. Click OK.
- 5. Open the Print dialog box.
- 6. Select the Borderless Printing panel.
- 7. Select the Print Borderless check box.
  - Note: Use the **Borderless Expansion** slider to adjust the image size in order to prevent a white border from appearing on the printed photo if the image does not quite fit on the selected paper size. Adjusting the **Borderless Expansion** slider makes only a slight change in the image size. Also, adjusting the **Borderless Expansion** slider might cause some of the image to be clipped.
- 8. Select any other print settings that you want, and then click Print.

If you printed on photo paper that has a tear-off tab, remove the tab to make the document completely borderless.



## 7.12 Storing and handling photo paper

Follow these instructions to maintain the quality of your HP brand photo paper.

#### Storage

- Keep unused photo paper in a resealable plastic bag, in the box in which it was originally packaged. Store the packaged photo paper on a flat surface in a cool place.
- When you are ready to print, remove only the paper that you plan to use immediately from the plastic bag. When you have finished printing, return any unused photo paper to the plastic bag.
- Do not leave unused photo paper in the printer paper tray. The paper might start to curl, which can reduce the quality of your photographs.

#### Handling

- Always hold photo paper by its edges. Fingerprints on photo paper can reduce print quality.
- Verify that the photo paper is not curled. If the photo paper is curled, place the paper in a plastic bag and gently bend it the opposite direction of the curl until the paper lies flat. If the problem persists, use photo paper that is not curled.

## 7.13 Small borderless photos

#### Guidelines

• For high-quality results, use a photo print cartridge in combination with the tricolor print cartridge.

- For maximum fade resistance, use HP Premium Plus Photo Paper and install a photo print cartridge in the printer.
- To learn how to use the photo printing features, see the photo enhancing page.
- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.
- Verify that the photo paper that you are using is flat. For information about preventing photo paper from curling, see the photo paper storage instructions.
- Do not exceed the In-tray capacity: up to 25 sheets.

#### Preparing to print

To print a single photo, use the photo/envelope feeder.

To print multiple photos, follow these steps:

- 1. Verify that the printer is turned on.
- 2. Remove the Out tray, and then remove all of the paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Verify that the photo paper is flat.

If the photo paper is not flat, see the photo paper storage instructions.

5. Place the photo paper in the In tray with the side to be printed on facing down. If you are using a photo paper that has a tear-off tab, verify that the tab is pointing away from the printer.



- 6. Slide the paper guides firmly against the paper.
- 7. Replace the Out tray.

#### Printing

Follow these steps to print a borderless document:

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate borderless paper size
  - Orientation: The appropriate orientation

- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Borderless Printing panel.
- 5. Select the **Print Borderless** check box.
- 6. Select the Paper Type/Quality panel, and then select the following settings:
  - Source: Upper tray
  - Paper Type: Automatic or the appropriate photo paper type
  - · Quality: Best or Maximum dpi
- 7. Select any other print settings that you want, and then click Print.

If you printed on photo paper that has a tear-off tab, remove the tab to make the document completely borderless.

## 7.14 Large borderless photos

#### Guidelines

- For high-quality results, use a photo print cartridge in combination with the tricolor print cartridge.
- For maximum fade resistance, use HP Premium Plus Photo Paper and install a photo print cartridge in the printer.
- To learn how to use the photo printing features, see the photo enhancing page.
- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.
- Verify that the photo paper that you are using is flat. For information about preventing photo paper from curling, see the photo paper storage instructions.
- Do not exceed the In-tray capacity: up to 25 sheets.

#### Preparing to print

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray, and then remove all of the paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Verify that the photo paper is flat.

If the photo paper is not flat, see the photo paper storage instructions.

5. Place the photo paper in the In tray with the side to be printed on facing down.



- 6. Slide the paper guides firmly against the paper.
- 7. Lower the Out tray.

#### Printing

Follow these steps to print a borderless document:

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate borderless paper size
  - Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Borderless Printing panel.
- 5. Select the Print Borderless check box.
- 6. Select the Paper Type/Quality panel, and then select the following settings:
  - · Source: Upper tray
  - Paper Type: Automatic or the appropriate photo paper type
  - · Quality: Best or Maximum dpi
- 7. Select any other print settings that you want, and then click Print.

If you printed on photo paper that has a tear-off tab, remove the tab to make the document completely borderless.

## 7.15 Panoramic borderless photos

#### Guidelines

- For high-quality results, use a photo print cartridge in combination with the tricolor print cartridge.
- For maximum fade resistance, use HP Premium Plus Photo Paper and install a photo print cartridge in the printer.
- To learn how to use the photo printing features, see the photo enhancing page.

- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.
- Verify that the photo paper that you are using is flat. For information about preventing photo paper from curling, see the photo paper storage instructions.
- Do not exceed the In-tray capacity: up to 25 sheets.

#### Preparing to print

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray, and then remove all of the paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Verify that the photo paper is flat.

If the photo paper is not flat, see the photo paper storage instructions.

5. Place the photo paper in the In tray with the side to be printed on facing down.



- 6. Slide the paper guides firmly against the paper.
  - Note: Some panoramic paper sizes may extend beyond the edge of the In tray. When printing on such papers, be sure to slide the paper width-guide firmly against the edge of the paper.
- 7. Lower the Out tray.

#### Printing

Follow these steps to print a borderless document:

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate borderless paper size
  - Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Borderless Printing panel.

- 5. Select the Print Borderless check box.
- 6. Select the Paper Type/Quality panel, and then select the following settings:
  - · Source: Upper tray
  - Paper Type: Automatic or the appropriate photo paper type
  - · Quality: Best or Maximum dpi
- 7. Select any other print settings that you want, and then click Print.

If you printed on photo paper that has a tear-off tab, remove the tab to make the document completely borderless.

## 7.16 Small photos with a white border

#### Guidelines

- For high-quality results, use a photo print cartridge in combination with the tricolor print cartridge.
- For maximum fade resistance, use HP Premium Plus Photo Paper and install a photo print cartridge in the printer.
- To learn how to use the photo printing features, see the photo enhancing page.
- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.
- Verify that the photo paper that you are using is flat. For information about preventing photo paper from curling, see the photo paper storage instructions.
- Do not exceed the In-tray capacity: up to 25 sheets.

#### Preparing to print

To print a single photo, use the photo/envelope feeder.

To print multiple photos, follow these steps:

- 1. Verify that the printer is turned on.
- 2. Remove the Out tray, and then remove all of the paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Verify that the photo paper is flat.

If the photo paper is not flat, see the photo paper storage instructions.

5. Place the photo paper in the In tray with the side to be printed on facing down. If you are using a photo paper that has a tear-off tab, verify that the tab is pointing away from the printer.



- 6. Slide the paper guides firmly against the paper.
- 7. Replace the Out tray.

#### Printing

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate paper size
  - Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then select the following settings:
  - · Source: Upper tray
  - Paper Type: Automatic or the appropriate photo paper type
  - · Quality: Best or Maximum dpi
- 5. If you want to use them, set the HP digital photography options.
- 6. Select any other print settings that you want, and then click Print.

## 7.17 Large photos with a white border

#### Guidelines

- For high-quality results, use a photo print cartridge in combination with the tricolor print cartridge.
- For maximum fade resistance, use HP Premium Plus Photo Paper and install a photo print cartridge in the printer.
- To learn how to use the photo printing features, see the photo enhancing page.
- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.
- Verify that the photo paper that you are using is flat. For information about preventing photo paper from curling, see the photo paper storage instructions.

• Do not exceed the In-tray capacity: up to 25 sheets.

#### Preparing to print

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray, and then remove all of the paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Verify that the photo paper is flat.

If the photo paper is not flat, see the photo paper storage instructions.

5. Place the photo paper in the In tray with the side to be printed on facing down.



- 6. Slide the paper guides firmly against the paper.
- 7. Lower the Out tray.

#### Printing

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate paper size
  - Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then select the following settings:
  - Source: Upper tray
  - Paper Type: Automatic or the appropriate photo paper type
  - · Quality: Best or Maximum dpi
- 5. If you want to use them, set the HP digital photography options.
- 6. Select any other print settings that you want, and then click Print.

## 7.18 Panoramic photos with a white border

#### Guidelines

- For high-quality results, use a photo print cartridge in combination with the tricolor print cartridge.
- For maximum fade resistance, use HP Premium Plus Photo Paper and install a photo print cartridge in the printer.
- To learn how to use the photo printing features, see the photo enhancing page.
- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.
- Verify that the photo paper that you are using is flat. For information about preventing photo paper from curling, see the photo paper storage instructions.
- Do not exceed the In-tray capacity: up to 25 sheets.

#### Preparing to print

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray, and then remove all of the paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Verify that the photo paper is flat.

If the photo paper is not flat, see the photo paper storage instructions.

5. Place the photo paper in the In tray with the side to be printed on facing down.



- 6. Slide the paper guides firmly against the paper.
  - Note: Some panoramic paper sizes may extend beyond the edge of the In tray. When printing on such papers, be sure to slide the paper width-guide firmly against the edge of the paper.
- 7. Lower the Out tray.

#### Printing

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate paper size
  - Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then select the following settings:
  - Source: Upper tray
  - Paper Type: Automatic or the appropriate photo paper type
  - Quality: Best or Maximum dpi
- 5. If you want to use them, set the HP digital photography options.
- 6. Select any other print settings that you want, and then click Print.

## 8 Printing other documents

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		1.1	







Envelopes

E-mail







Letters



Postcards

Brochures Greeting cards Transparencies









Labels Index cards

Banners

Iron-on transfers

#### Printing tips

Minimize your cost and effort while maximizing the quality of your printouts by using these printing tips.

#### Printer software

Learn about the printer software.

## 8.1 Email

#### Guidelines

Do not exceed the In-tray capacity: up to 150 sheets.

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray.

- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Place plain paper in the In tray, pushing the paper into the printer until it stops.
- 5. Slide the paper guides firmly against the paper.



6. Lower the Out tray.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel.
- 4. In the Paper Type drop-down list, click Automatic or Plain paper.
- 5. Select the following print settings as appropriate:
  - Print quality
  - · Paper source
- 6. Select any other print settings that you want, and then click Print.

## 8.2 Letters

#### Guidelines

- For help printing on an envelope, see the envelope page.
- Do not exceed the In-tray capacity: up to 150 sheets.

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray.
- 3. Slide the paper-width guide all the way to the left, then pull out the paper-length guide.
- 4. Place plain paper in the In tray, pushing the paper into the printer until it stops.

5. Slide the paper guides firmly against the paper.



1. Letter or A4 paper

- 2. Legal paper
- Note: If you are using letterhead, verify that the letterhead is facing down and towards the interior of the printer.
- 6. Lower the Out tray.

Do not extend the Out-tray extension stop when printing on legal paper.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel.
- 4. In the Paper Type drop-down list, click Automatic or Plain paper.
- 5. Select the following print settings as appropriate:
  - Print quality
  - · Paper source
- 6. Select any other print settings that you want, and then click Print.

## 8.3 Documents

#### Guidelines

- Save paper with two-sided printing.
- Do not exceed the In-tray capacity: up to 150 sheets.

#### Preparing to print

1. Verify that the printer is turned on.

- 2. Raise the Out tray.
- 3. Slide the paper-width guide all the way to the left, then pull out the paper-length guide.
- 4. Place plain paper in the In tray, pushing the paper into the printer until it stops.
- 5. Slide the paper guides firmly against the paper.



1. Letter or A4 paper

2. Legal paper

6. Lower the Out tray.

Do not extend the Out-tray extension stop when printing on legal paper.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel.
- 4. In the Paper Type drop-down list, click Automatic or Plain paper.
- 5. Select the following print settings as appropriate:
  - Print quality
  - · Paper source
  - Two-sided printing
- 6. Select any other print settings that you want, and then click Print.

## 8.4 Envelopes

#### Guidelines

- · Avoid using envelopes that have the following qualities:
  - · Have clasps or windows

- Have thick, irregular, or curled edges
- · Are shiny or embossed
- · Are wrinkled, torn, or otherwise damaged
- Align the envelope edges before inserting them in the In tray.
- · Do not exceed the In-tray capacity: up to 20 envelopes.

#### Preparing to print

If you are printing on a single envelope, use the photo/envelope feeder.

If you are printing on multiple envelopes, follow these steps:

- 1. Verify that the printer is turned on.
- 2. Remove the Out tray, and then remove all paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Place the envelopes, with the sides to be printed on facing down and the flaps to the left, into the In tray and to the right. Push the envelopes into the printer until they stop.



- 5. Slide the paper guides firmly against the envelopes.
- 6. Replace the Out tray.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel.
- 4. In the Paper Type drop-down list, click Automatic or Plain paper.
- 5. Select any other print settings that you want, and then click Print.

## 8.5 Postcards



If the optional Auto Two-Sided Print Accessory with Small Paper Tray is attached to the printer, follow the steps for printing postcards with the Auto Two-Sided Print Accessory with Small Paper Tray.

#### Guidelines

- Use only cards and small media that meet the printer paper-size specifications. For specifications, see the reference guide that came with the printer.
- Do not exceed the In-tray capacity: up to 60 cards.

#### Preparing to print

To print a single card, use the photo/envelope feeder.

To print multiple cards, follow these steps:

- 1. Verify that the printer is turned on.
- 2. Remove the Out tray, then remove all paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, then pull out the paper-length guide.
- 4. Place the cards, with the sides to be printed on facing down and one of the short sides pointing towards the printer, into In tray and to the right. Push the cards into the printer until they stop.



- 5. Slide the paper guides firmly against the cards.
- 6. Replace the Out tray.

#### Printing

1. Open the Page Setup dialog box, and then select the following settings:

- Paper Size: The appropriate paper size
  - Note: To print a borderless card, click the borderless photo size that matches the card size.
- Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then select the following settings:
  - Source: Upper tray
  - Paper Type: Automatic or the appropriate paper type
  - · Quality: Normal, Best, or Maximum dpi
- 5. If you want to use them, set the HP digital photography options.
- 6. Select any other print settings that you want, and then click Print.
  - Note: If an out-of-paper message appears, verify that the cards are positioned properly in the paper tray.

## 8.6 Brochures

#### Guidelines

- · Learn to print borderless brochures.
- For great results, use HP Brochure & Flyer Paper.
- Do not exceed the In-tray capacity: up to 25 sheets.

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray.
- 3. Slide the paper-width guide all the way to the left, then pull out the paper-length guide.
- 4. Place brochure paper in the In tray, pushing the paper into the printer until it stops.
- 5. Slide the paper guides firmly against the paper.



6. Lower the Out tray.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel, and then specify the following settings:
  - · Source: Upper Tray
  - Paper Type: Automatic or the appropriate brochure paper type
  - Quality: Normal, Best, or Maximum dpi.
- 4. Select any other print settings that you want, and then click Print.

## 8.7 Greeting cards

#### Guidelines

- Unfold prefolded cards, and then place them in the In tray.
- For great results, use HP Greeting Card Paper.
- Do not exceed the In-tray capacity: up to 30 cards.

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray, then remove all paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, then pull out the paper-length guide.
- 4. Fan the edges of the greeting cards to separate them, then align the edges.
- 5. Place the greeting cards in the In tray, with the side to be printed on facing down. Push the cards into the printer until they stop.
- 6. Slide the paper guides firmly against the paper.



7. Lower the Out tray.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel, and then specify the following settings:
  - · Source: Upper tray
  - Paper Type: Automatic or the appropriate greeting card paper type
  - Quality: Normal, Best, or Maximum dpi.
- 4. Select any other print settings that you want, and then click Print.

## 8.8 Transparencies

#### Guidelines

- For great results, use HP Premium Inkjet Transparency Film.
- Do not exceed the In-tray capacity: up to 30 transparencies.

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray, and then remove all paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, then pull out the paper-length guide.
- 4. Place the transparencies in the In tray, with the side to printed on facing down and the adhesive strip facing up and toward the printer.



- 5. Carefully push the transparencies into the printer until they stop so that none of the adhesive strips catch on one another.
- 6. Slide the paper guides firmly against the paper.
- 7. Lower the Out tray.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel, and then specify the following settings:
  - · Source: Upper tray
  - Paper Type: Automatic or the appropriate transparency film type
  - · Quality: Normal or Best.
- 4. Select any other print settings that you want, and then click Print.

## 8.9 Labels

#### Guidelines

- Use only labels that are designed specifically for inkjet printers.
- Use only full sheets of labels.
- Verify that the labels are not sticky, wrinkled, or pulling away from the protective backing.
- Do not exceed the In-tray capacity: up to 30 sheets of labels (use only lettersize or A4-size sheets).

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray, and then remove all paper from the In tray.

- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Fan the edges of the label sheets to separate them, and then align the edges.
- 5. Place the label sheets in the In tray with the label side facing down. Push the sheets into the printer until they stop.



- 6. Slide the paper guides firmly against the edge of the sheets.
- 7. Lower the Out tray.

#### Printing

- 1. Open the Page Setup dialog box, and then select the following settings:
  - · Paper Size: A4 or US Letter
  - · Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then specify the following settings:
  - · Source: Upper tray
  - · Paper Type: Automatic or Plain paper
- 5. Select any other print settings that you want, and then click Print.

## 8.10 Index cards and other small media

#### Guidelines

- Use only cards and small media that meet the printer paper-size specifications. For specifications, see the reference guide that came with the printer.
- · Do not exceed the In-tray capacity: up to 60 cards.

#### Preparing to print

To print a single card, use the photo/envelope feeder.

To print multiple cards, follow these steps:

- 1. Verify that the printer is turned on.
- 2. Remove the Out tray, then remove all paper from the In tray.
- 3. Slide the paper-width guide all the way to the left, then pull out the paper-length guide.
- 4. Place the cards, with the sides to be printed on facing down and one of the short sides pointing towards the printer, into In tray and to the right. Push the cards into the printer until they stop.



- 5. Slide the paper guides firmly against the cards.
- 6. Replace the Out tray.

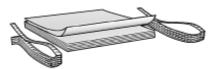
#### Printing

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate paper size
    - Note: To print a borderless card, click the borderless photo size that matches the card size.
  - Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then select the following settings:
  - Source: Upper tray
  - Paper Type: Automatic or the appropriate paper type
  - · Quality: Normal, Best, or Maximum dpi
- 5. If you want to use them, set the HP digital photography options.
- 6. Select any other print settings that you want, and then click **Print**.
  - Note: If an out-of-paper message appears, verify that the cards are positioned properly in the paper tray.

## 8.11 Banners

#### Guidelines

- Use HP Banner Paper for great results.
- Remove any perforated strips from the banner paper before loading it in the In tray.



• Do not exceed the In-tray capacity: up to 20 sheets.

#### Preparing to print

- 1. Verify that the printer is turned on.
- 2. Remove the Out tray, and then remove all paper from the In tray.
- 3. Slide the paper width-guide all the way to the left, and then pull out the paperlength guide.
- 4. Place the banner paper in the In tray so that the unattached edge is on top of the paper stack and pointing toward the printer.



- 1. Unattached edge
- 5. Slide the paper-width guide firmly against the paper.

Note: Leave the Out tray off of the printer when printing a banner.

#### Printing

- 1. Open the Page Setup dialog box.
- 2. In the Paper Size drop-down list, click A4 Banner or US Letter Banner.

- 3. Click OK.
- 4. Open the Print dialog box.
- 5. Select the Paper Type/Quality panel, and then specify the following settings:
  - Source: Upper tray
  - · Paper Type: Automatic or Plain paper
- 6. Select any other print settings that you want, and then click Print.

## 8.12 Iron-on transfers

#### Guidelines

- Use HP Iron-on Transfers for great results.
- When printing a mirror image, the text and the pictures are horizontally reversed from what appears on the computer screen.



• Do not exceed the In tray capacity: Up to 20 sheets.

#### Preparing to print

- 1. Verify that the printer is turned on.
- 2. Raise the Out tray.
- 3. Slide the paper-width guide all the way to the left, and then pull out the paperlength guide.
- 4. Place iron-on transfer paper with the side to be printed on facing down in the In tray.
- 5. Push the paper into the printer until it stops.
- 6. Slide the paper guides firmly against the paper.



7. Lower the Out tray.

#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel, and then specify the following settings:
  - Source: Upper tray
  - Paper Type: Automatic or Plain paper
- 4. Select any other print settings that you want, and then click Print.

## 9 Printing tips

#### Save time

- Use the 250-Sheet Plain Paper Tray Accessory to reload the printer less often.
- Print in reverse page order.
- · Print collated copies.

#### Save money

- Print a two-sided document.
- Print multiple pages on a single sheet of paper.

#### Enhance the quality of printouts

- Select the right paper type.
- · Select the right print quality.
- Resize the document as needed.
- Print a borderless brochure.

## 9.1 Using the 250-Sheet Plain Paper Tray Accessory

If the 250-Sheet Plain Paper Tray Accessory is not installed on the printer, follow the installation steps.

Note: The 250-Sheet Plain Paper Tray Accessory is not available in all countries/ regions.

Follow these steps to use the 250-Sheet Plain Paper Tray Accessory:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Presets:	Standard 😯
	Paper Type/Quality
Paper Color	Options CMYK Settings Digital Photo Ink
	Paper Type: Automatic
	Quality: Normal
	Color: ColorSmart/sRGB
	Colorsmart/skdB
Sour	e: Lower Tray
_	

3. In the Source drop-down list, click Lower tray.

## 9.2 Setting the page order

Setting the page order determines the order in which your document will be printed. Frequently, it is convenient to have the first page of a document printed last so that the complete document is lying face-up in the Out tray.

Follow these steps to set the page order:

- 1. Open the Print dialog box.
- 2. Select the Paper Handling panel.

Printer:	Deskjet
Presets:	Standard
	Paper Handling
Reverse page o	rder Print: ③ All pages ○ Odd numbered pages ○ Even numbered pages
? (Preview) (Sa	ve As PDF Fax Cancel Print

- 3. Do one of the following actions:
  - Select the **Reverse Page Order** check box to print the first page of the document last. This is the appropriate setting for most print jobs.
  - Clear the **Reverse Page Order** check box to print the last page of the document last.
- 4. Select any other print settings that you want, and then click Print.
- Note: The reverse page order feature is only available in Mac OS X 10.3 and later.

### 9.3 Printing collated copies

If you are printing several copies of a document at one time, use collation so that you do not have to re-arrange the copies after printing.

Note: Some software programs do not allow you to use the printer software to specify the number of copies to print. If the program that you are using allows you to specify the number of copies to print, then specify the number of copies to print in the application.

Follow these steps to print collated copies:

- 1. Open the Print dialog box.
- 2. Select the Copies and Pages panel.

Printer:	Deskjet	
Presets:	Standard	
	Copies & Pages	
Copies: Pages:	S Collated	
	O From: 1 to: 1	
Preview Si	we As PDF Fax	Cancel Print

- 3. In the Copies box, type the number of copies that you want to print.
- 4. Select the Collated check box.
- 5. Select any other print settings that you want, and then click Print.

## 9.4 Automatic two-sided printing

To print a two-sided document automatically, one of the following accessories must be attached to the printer:





Auto Two-Sided Print Accessory with Small Paper Tray

The two-sided printing accessories only support certain paper types. For a list of supported paper types, see the documentation that came with the accessory.

#### Printing

Follow these instructions to print a two-sided document:

1. Open the Print dialog box, and then select the Two-Sided Printing panel.

Printer:	Deskjet	•
Presets:	Standard	•
	Two-Sided Printing	
	Print Both Sides	
	Binding:	
(?) (Preview) (Sa	ve As PDF) (Fax)	Cancel Print

2. Select the appropriate binding:





3. Change any other print settings that you want, and then click Print.

After the first side of the page is printed, the printer pauses while the ink dries. After the ink is dry, the paper is pulled back into the duplexer and the reverse side of the page is printed.

Note: Do not remove the paper from the printer until both sides of the page have been printed.

## 9.5 Printing multiple pages on a single sheet of paper

The printer software allows you to print multiple pages of a document on a single sheet of paper. The printer software automatically resizes the document text and images to fit on the printed page.

Follow these steps to print multiple pages on a single sheet of paper:

- 1. Open the Print dialog box.
- 2. Select the Layout panel.

Printer:	Deskjet	
Presets:	Standard	
	Layout	
	Pages per Sheet: 9	
1 2 3	Layout Direction: 🗦 🖇 🙌	
4 5 6	Border: None	
789	Two Sided Printing: Off Cong-Edge Binding Short Edge Binding	
(?) (Preview) (Si	we As PDF) Fax (Cancel Print	

3. In the **Pages per Sheet** menu, select the number of pages that you want to appear on each sheet of paper.

- 4. For **Layout Direction**, select the option for how you want the multiple pages arranged on a single sheet of paper.
- 5. If you want a border to appear around each page image that is printed on the sheet of paper, select the border that you want from the **Border** menu.
- 6. Select any other print settings that you want, and then click Print.
  - Note: The two-sided printing controls on the **Layout** panel are not operational for the printer. To print a two-sided document, see the two-sided printing page.

## 9.6 Selecting a paper type

The printer software offers these options for selecting a paper type:

- · Use the automatic paper-type sensor
- Select a specific paper type

#### Using the automatic paper-type sensor

The Automatic Paper-Type Sensor automatically selects the print settings appropriate for the media be printed on, particularly when used with HP paper and media.

Note: The **Automatic Paper-Type Sensor** cannot be used for documents printed from the 250-Sheet Plain Paper Tray Accessory.

Follow these steps to use the automatic paper-type sensor:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Printer:	Deskjet 6500
Presets:	Standard
	Paper Type/Quality
Paper Color	Options CMYK Settings Digital Photo Ink
	Paper Type: Automatic
	Quality: Normal
	Color: ColorSmart/sRGB
Sour	ce: Upper Tray
? (Preview) (Sa	we As PDF) Fax Cancel Print

- 3. In the Paper Type drop-down list, click Automatic.
- 4. Select any other print settings that you want, and then click Print.

#### Selecting a specific paper type

When printing a higher-quality printout, it is recommended that you select a specific paper type.

Follow these steps to select a specific paper type:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Printer:	
Presets:	Standard
	Paper Type/Quality
Paper Color	Options CMYK Settings Digital Photo Ink
	Paper Type: hp everyday photo pap
	Quality: Normal
	Color: ColorSmart/sRGB
Sour	e: Upper Tray
(Preview) (Sa	we As PDF) Fax) (Cancel)

- 3. In the **Paper Type** drop-down list, click the appropriate paper type.
- 4. Select any other print settings that you want, and then click Print.

## 9.7 Selecting a print quality

Follow these steps to select a print quality from the printer software:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Printer:	Deskjet 6500
Presets:	Standard
	Paper Type/Quality
Paper Color	Options CMYK Settings Digital Photo Ink
	Paper Type: Automatic
	Quality: Normal
	County. Normal
	Color: ColorSmart/sRGB
Sour	ce: Upper Tray
Preview Sa	ave As PDF) Fax Cancel Print

- 3. Select one of the following from the Quality drop-down list:
  - FastDraft: prints at the fastest printing speed.
  - **Fast normal**: prints more quickly than the Normal mode and at a higher print quality than FastDraft.
  - **Normal**: provides the best balance between print quality and speed. This is the appropriate setting for most documents.
  - Best: provides high-quality printing.
  - Maximum dpi: provides the highest quality printing but requires longer to print than Best and requires a large amount of disk space.

## 9.8 Resizing a document

Use this feature to shrink or enlarge printed text and graphics without changing the paper size.

Follow these steps to shrink or enlarge text and graphics:

1. Open the Page Setup dialog box.

Settings	Page Attributes	;
Format for	· · · · · · · · · · · · · · · · · · ·	;
Paper Size	HP Deskjet	;
	8.50 in x 11.0	00 in
Orientation:		1-e
Scale	50 %	
?		Cancel OK

- 2. In the **Scale** box, type the percentage by which you want to shrink or enlarge the document.
  - Type a number from 25 to 99 to reduce a document image.
  - Type a number from 101 to 400 to enlarge a document image.
- 3. Click **OK**, and then print the document.

## 9.9 Printing a borderless brochure

You can print a borderless brochure on glossy brochure paper.

For instructions about printing a borderless photo, see the borderless photo page.

#### Guidelines

- Do not print borderless documents in ink-backup mode. Always have two print cartridges installed in the printer.
- Open the file in a software application and assign the image size. Ensure that the size corresponds to the paper size on which you want to print the image.

#### Printing

Follow these steps to print a borderless document:

- 1. Open the file you want to print.
- 2. Open the Page Setup dialog box.
- 3. Click the appropriate borderless paper size in the Paper Size list.

- 4. Click OK.
- 5. Open the Print dialog box.
- 6. Select the Paper Type/Quality panel.
- 7. In the **Paper Type** drop-down list, click the appropriate brochure paper.
- 8. Select any other print settings that you want, and then click Print.

## 9.10 Selecting a paper source

The printer offers three sources for paper:



Tray Accessory with Small Paper Tray

Follow these steps to select a paper source:

- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.

Presets:	Deskjet 6500
	Paper Type/Quality
Paper Color	Options CMYK Settings Digital Photo Ink
	Paper Type: Automatic
	Quality: Normal
	Color: ColorSmart/sRGB
_	
Source	e: Upper Tray

- 3. In the **Source** drop-down list, click one of the following options:
  - Upper tray: prints from the In tray.
  - Lower tray: prints from the 250-Sheet Plain Paper Tray Accessory.
  - **Rear tray**: prints from the Auto Two-Sided Print Accessory with Small Paper Tray. This option appears only if the accessory is attached to the printer.

# 10 Printer software

- Print settings
- Page Setup dialog box
- Print dialog box
- Managing the printer (Mac OS X 10.3 and later)
- Managing the printer (Mac OS X 10.2 and earlier)
- Viewing and changing the status of a print job (Mac OS X 10.3 and later)

## 10.1 Print settings

The printer is controlled by software that is installed on your computer. Use the printer software, known as the *printer driver*, to change the print settings for a document.

To specify a document's paper size, scaling, and orientation, use the Page Setup dialog box.

To specify other print settings for a document and to send the document to the printer, use the Print dialog box.

## 10.2 Page Setup dialog box

Use the Page Setup dialog box to modify document layout.

To use the **Page Setup** dialog box, open the software program used to create the document, click **File**, and then click **Page Setup**.

You can use the Page Setup dialog box to do the following tasks:

Settin	ngs: Page Attributes	•
Format	for: Deskjet	;
	HP Deskjet	
Paper S	ize: US Letter	•
	8.50 in x 11.00 in	1
Orientat	ion:	<b>Ì</b> -€
Sc	ale: 100 %	
?		Cancel OK

- Set the paper size for a document.
- · Resize a document.
- Specify the document orientation.

## 10.3 Print dialog box

Use the **Print** dialog box to modify print settings for the document that you are printing. The options that appear depend on the panel that you selected.

To use the **Print** dialog box, open the document that you want to print, click **File**, and then click **Print**.

1 Printer: Deskjet
2 Presets: Standard
Copies & Pages
Copies: 1 Collated
Pages: 🕢 All O From: 1 to: 1
4     5     6     7     8     9       ?     Preview     Save As PDF     Fax     Cancel     Print

- 1. Printer: Select the printer.
- 2. Presets: Select a group of saved print options.

- 3. **Panel Menu**: Toggle among print setting panels, an application-specific panel, and a summary of print settings for the document.
- 4. ?: Open MacHelp.
- 5. Preview: View an online preview of the printed document.
- 6. Save as PDF: Save a copy of the document in Adobe PDF format.
- 7. Fax: Click to send the document as a fax.

Note: The **Fax** option is available in Mac OS X 10.3 and later only.

- 8. Cancel: Close the Print dialog box without printing the document.
- 9. Print: Print the document.

## 10.4 Managing the printer (Mac OS X 10.3 and later)

Use Printer List to manage the printer.

Managing the printer includes the following tasks:

- · Adding a printer
- · Setting a default printer
- Deleting a printer

#### **Opening Printer List**

Follow these steps to open Printer List:

- 1. In the Apple menu, click System Preferences.
- 2. In the System Preferences dialog box, click Print & Fax.

0 0	Print & Fax		C
(d) 🔲			
Show All Displays	Sound Network Startup Disk		
	Printing Fax	ng	
		-	
	Set Up Printers		
Selecte	d printer in Print Dialog: deskj	et	
Default p	aper size in Page Setup: US Le	tter	•
-			
	Share my printers wit	h other computer	rs
	_ ,,		
0			
Click the lock	to prevent further changes.		

3. Click the **Set Up Printer** button.

Printer List appears.

00	)	Printer L	ist	0
Make Def	ault Add	S 2 X	ic Show Info	
In Menu 🕴		▲ Status	Kind	Host
2	🔊 deskjet		hp deskjet	

#### Adding a printer

Follow these steps to add a printer to your computer:

- 1. Open Printer List.
- 2. Click Add.

The Add Printer List dialog box appears.

Type hp
hp
Cancel

- 3. Select the connection type for the printer (for example, USB).
- 4. Select the printer name from the printer list.
- 5. Click Add.

#### Setting a default printer

Follow these steps to set the printer as the computer's default printer:

- 1. Open Printer List.
- 2. Click the printer name.
- 3. Select the printer, and then click **Make Default**.

#### **Deleting a printer**

Follow these steps to delete a printer from your computer:

- 1. Open Printer List.
- 2. Select the printer that you want to delete.
- 3. Click Delete.

# 10.5 Managing the printer (Mac OS X 10.2 and earlier)

Use Print Center to manage the printer.

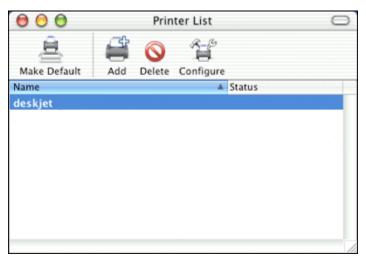
Managing the printer includes the following tasks:

- Adding a printer
- Setting a default printer
- Deleting a printer

#### Adding a printer

Follow these steps to add a printer to your computer:

1. Open Print Center.



2. Click Add.

The Add Printer List dialog box appears.

	Product	Kind	
100	deskjet	hp inkjet	
	Printer Model: deskjet		\$

- 3. Select USB from the menu.
- 4. Select the printer name from the printer list.
- 5. Click Add.

#### Setting a default printer

Follow these steps to set the printer as the computer's default printer:

- 1. Open the **Print Center**.
- 2. Click the printer name.
- 3. Select the printer, and then click Make Default.

The printer name appears in bold text to indicate that it is the default printer.

#### **Deleting a printer**

Follow these steps to delete a printer from your computer:

- 1. Open Print Center.
- 2. Select the printer that you want to delete.
- 3. Click Delete.

# 10.6 Viewing and changing the status of a print job (Mac OS X 10.3 and later)

When printing a document with background printing, use **Printer List** to see the status of the document as it is printing.

Follow these steps to check the status of a print job:

- 1. Open Printer List.
- 2. Click the printer.
- 3. In the menu bar, click Printer, and then click Show Jobs.

00	0					$\bigcirc$
<b>O</b> Delete	Hold	Resume	Start Jobs	الله Utility		
		Netscape	e.com			
		_			 	
Status		Name	•			
Printing		Netse	cape.com			

4. Click a print job to select it.

Use the buttons to manage the print job as appropriate:

- Delete: Cancels the selected print job
- Hold: Pauses the selected print job
- Resume: Restarts a paused print job
- · Stop Jobs: Pauses all print jobs in the print queue

## 11 Maintenance

- Installing print cartridges
- Aligning print cartridges
- Calibrating color
- · Automatically cleaning print cartridges
- · Manually cleaning the print cartridges
- · Printing a test page
- · View estimated ink levels
- · Removing ink from skin and clothing
- Maintaining print cartridges
- · Maintaining the printer body
- Using the HP Inkjet Toolbox

## 11.1 Installing print cartridges

#### Print cartridges

#### Print cartridge combinations

For printing most documents, use the tri-color print cartridge and the black print cartridge. When printing photos, you can use either the photo print cartridge or the gray photo print cartridge along with the tri-color print cartridge cradle.

Always install the tri-color print cartridge in the *left* print cartridge cradle compartment.

Install the black, photo, or gray photo print cartridge in the *right* print cartridge cradle compartment.

Before buying replacement print cartridges, verify the correct selection numbers in the reference guide that came with the printer.

You can also find the selection number on the print cartridge that you are replacing.



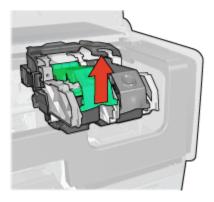
1. Selection number label

The printer can operate with only one print cartridge installed. For more information, see the ink back-up mode page.

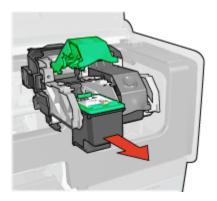
#### Installation instructions

Follow these steps so install a print cartridge:

- 1. Verify that the printer is turned on.
- 2. Load a stack of letter-size or A4-size plain, white paper in the In tray.
- 3. Open the printer cover.
- 4. Wait until the print cartridge cradle is idle and silent, and then lift the print cartridge latch to the open position.



5. Slide the print cartridge out of the print cartridge cradle.



6. Remove the replacement print cartridge from its packaging and carefully remove the pink, plastic tape.

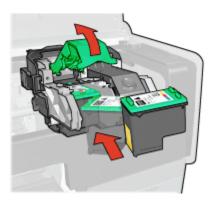


- 1. Remove the pink tape only
- Caution: Do not touch the print cartridge ink nozzles or copper contacts. Touching these parts will result in clogs, ink failure, and bad electrical connections. Do not remove the copper strips. They are required electrical contacts.

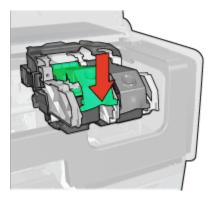


- 1. Do not touch the copper strips
- 7. Hold the print cartridge so that the copper strips are on the bottom and facing toward the printer, and then slide the print cartridge into the cradle as shown.

Note: After you insert the print cartridge, verify that the copper contacts of the print cartridge touch the back of the print cartridge cradle.



8. Push down on the print cartridge latch until it snaps closed.



9. Close the printer cover.

The printer automatically prints a calibration page.

For information about storing print cartridges, see the print cartridge storage page.

For information about recycling empty print cartridges, see the print cartridge recovery page.



Warning: Keep both new and used print cartridges out of the reach of children.

## 11.2 Aligning print cartridges

The printer automatically aligns the print cartridges after a new print cartridge is installed. You can also align the print cartridges at other times to ensure optimal print quality.

To calibrate the print cartridges:

- 1. Load letter-size or A4-size plain white paper in the In tray.
- 2. Open the HP Inkjet Toolbox.
- 3. Select the Calibrate panel.
- 4. Click the Align button, and then follow the onscreen instructions.

## 11.3 Calibrating color

Perform a color calibration only if the colors in photographs printed with the photo print cartridge are consistently tinted.

Before performing a color calibration, align the print cartridges, then reprint your photograph. If the color is still tinted, then perform a color calibration.

To calibrate color:

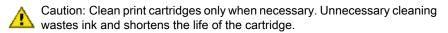
- 1. Load letter-size or A4-size plain white paper in the In tray.
- 2. Verify that a photo print cartridge is installed in the printer.
- 3. Open the HP Inkjet Toolbox.
- 4. Select the Calibrate Color panel.
- 5. Follow the onscreen instructions.

## 11.4 Automatically cleaning print cartridges

If your printed pages are missing lines or dots, or if they contain ink streaks, the print cartridges might be low on ink or might need to be cleaned.

If the print cartridges are not low on ink, follow these steps to clean the print cartridges automatically:

- 1. Open the HP Inkjet Toolbox.
- 2. Select the Clean panel.
- 3. Click the Clean button, and then follow the onscreen instructions.



## 11.5 Manually cleaning the print cartridges

If the printer is used in a dusty environment, a small amount of debris can accumulate on the print cartridge contacts.

#### Gathering cleaning supplies

You will need the following items to clean the print cartridges.

- Distilled water (tap water can contain contaminants that can damage the print cartridge)
- Cotton swabs or other soft, lint-free material that will not stick to the print cartridge

Be careful not to get ink on your hands or clothing as you clean.

#### Preparing to clean

- 1. Press the **Power** button to turn on the printer, and then raise the printer cover.
- 2. Remove the print cartridges and place them on a piece of paper with the nozzle plate facing up.



1. Nozzle plate



• Caution: Do not leave the print cartridges outside the printer for more than 30 minutes.

#### **Cleaning instructions**

- 1. Lightly moisten a cotton swab with distilled water and squeeze any excess water from the swab.
- 2. Wipe the print cartridge copper contacts with the cotton swab.

Caution: Do not touch the print cartridge ink nozzles. Touching the ink nozzles will result in clogs, ink failure, and bad electrical connections.



1. Clean only the copper contacts

Repeat this process until no ink residue or dust appears on the swab that you use to clean the contacts.

3. Insert the print cartridges in the printer, and then close the printer cover.

## 11.6 Printing a test page

Follow these steps to print a test page:

- 1. Open the HP Inkjet Toolbox.
- 2. Select the Test panel.
- 3. Click the **Print a test page** button, and then follow the onscreen instructions.

### 11.7 View estimated ink levels

Follow these steps to view the estimated ink levels of the print cartridges that are installed in the printer:

- 1. Open the HP Inkjet Toolbox.
- 2. Select the Ink Levels panel.

## 11.8 Removing ink from skin and clothing

Follow these instructions to remove ink from skin and clothing:

Surface	Remedy
Skin	Wash the area with an abrasive soap.
White fabric	Wash the fabric in <b>cold</b> water and use chlorine bleach.
Color fabric	Wash the fabric in <b>cold</b> water and use sudsy ammonia.



Caution: Always use cold water to remove ink from fabric. Warm or hot water can set the ink into the fabric.

## 11.9 Maintaining print cartridges

The following tips will help maintain HP print cartridges and ensure consistent print quality:

- Keep all print cartridges in their sealed packages until they are needed. Print cartridges should be stored at room temperature (15 to 35 degrees C or 59 to 95 degrees F).
- Do not remove the plastic tape covering the ink nozzles until you are ready to install the print cartridge in the printer. If the plastic tape has been removed from the print cartridge, do not attempt to reattach it. Reattaching the tape damages the print cartridge.

#### Storing print cartridges

When print cartridges are removed from the printer, store them in a print cartridge protector or an airtight plastic container.

If a print cartridge protector came with the photo print cartridge or the gray photo print cartridge, use the protector to store the print cartridge. If you store a print cartridge in an airtight plastic container, make sure that the ink nozzles face down but are not in contact with the container.

Slide the print cartridge at a slight angle into the protector, and snap it securely in place.



Press down and back on the top of the protector to release the cartridge. Slide the cartridge out of the protector.



A Caution: Do not drop the print cartridge. Dropping the print cartridge can damage it.

## 11.10 Maintaining the printer body

Because the printer ejects ink onto the paper in a fine mist, ink smudges will eventually appear on the printer case and adjacent surfaces. To remove smudges, stains, or dried ink from the exterior of the printer, use a soft cloth moistened with water.

When cleaning your printer, keep these tips in mind:

- Do not clean the interior of the printer. Keep all fluids away from the interior.
- Do not use household cleaners or detergent. In the event that a household cleaner or detergent is used on the printer, wipe the printer's exterior surfaces with a soft cloth that has been moistened with water.
- Do not lubricate the support rod that the print cartridge cradle uses to slide back and forth. Noise is normal when the cradle moves back and forth.

## 11.11 Using the HP Inkjet Toolbox

The **HP Inkjet Toolbox** contains tools to calibrate the printer, clean the print cartridges, print a test page, and find Web site support information.

#### Displaying the HP Inkjet Toolbox

#### Mac OS X (version 10.1.x)

- 1. Double-click the OS X HD icon on the desktop.
- 2. Double-click Applications, and then double-click Utilities.
- 3. Double-click HP Printer Selector.
- 4. Select the printer, and then click Utilities. The HP Inkjet Toolbox appears.

- 1. In Finder, click **Applications**, then click **Utilities**, and then double-click **Print Center**.
- 2. Select the printer, and then click **Configure**. The **HP Inkjet Toolbox** appears.
- 1. In the Apple menu, click System Preferences.
- 2. In the System Preferences dialog box, click Print & Fax.
- 3. Click the Set Up Printers button. The Printer List dialog appears.
- 4. Select the printer, and then click Utility. The HP Inkjet Toolbox appears.

#### HP Inkjet Toolbox panels

$\Theta \Theta \Theta$		HP Inkjet Toolbox
Clean		
		If your printed output is streaked like the example on the left, the print cartridges need to be cleaned. This takes about one minute and uses one sheet of paper.
ļ	Clean	Click "Clean" to clean the print cartridges now.
	Status	

- 1. **HP Inkjet Toolbox Panel Menu**: select the appropriate panel to view HP Inkjet Toolbox options:
  - WOWI: Prints a sample page to view the output quality of the printer.
  - Test: Prints a test page or a diagnostic page.
  - Clean: Cleans the print cartridges.
  - Ink Levels: Provides estimated ink levels.
  - Calibrate: Aligns the print cartridges.
  - Calibrate Color: Adjusts color to correct problems with tint.
  - Supplies: Provides print cartridge selection numbers.

- **Support**: Provides access to the HP Web site where you can find support for the printer and information about HP products and supplies.
- **Register**: Takes you to the HP Web site to register the printer.

## 12 Troubleshooting

- Ethernet problems
- Printer is not printing
- Paper jam
- Paper problems
- · Print quality is poor
- · Document is misprinted
- · Photos are not printing correctly
- · Banners are not printing correctly
- Borderless printing problems
- Error messages
- Printer lights are on or flashing
- · Document prints slowly
- · Cannot print from a digital camera
- · If you continue to have problems

## 12.1 Ethernet problems

#### Printer does not print

Print an HP Report page.

If the HP Report page does not print, verify the following:

- The printer is set up and powered on.
- The print cartridges are installed correctly.
- The printer is on and the paper tray is loaded.
- The printer is free of paper jams.

If any of these items are problems, then see the printer is not printing page.

If the HP Report page **does** print, try the following steps:

If the printer still does not print, then look at the Link light on the back of the printer:

State of the Link light	Task
On	Resend the document, then look at the Activity light.
Off	Verify the following:
	<ul> <li>The Ethernet cable is securely connected to the printer.</li> <li>The network hub, switch, or router is on and working properly.</li> <li>The printer is connected to the network.</li> </ul>

#### Activity light

Follow these steps if the Link light is on, but the printer does not print:

- 1. Wait until the printer is idle.
- 2. Try to reprint the document.
- 3. Look at the Activity light on the back of the printer.

State of the Activity light	Task
Flashing	The Ethernet connection is operating correctly. Try these solutions again.
Off	Verify the following:
	<ul> <li>The printer is selected in the application from which you are trying to print.</li> </ul>
	The computer is connected to the network.
	• A personal software firewall might be blocking communication between the printer and the computer. Follow these steps.

#### Cannot open the printer's embedded Web server (EWS)

Verify the following:

- You are not using a phone cord to connect the printer to the network
- The Ethernet cable is securely connected to the printer.
- The network hub, switch, or router is on and working properly.
- The computer that you are using is connected to the network.

If you still cannot access the printer's EWS, then follow these steps:

- 1. Print an HP Report page.
- 2. Find the printer's IP address.
- 3. Launch your Internet browser.

Use Microsoft Internet Explorer 5.0 or higher, Netscape 4.75 or higher, or Safari 1.0 or higher.

4. Enter the printer's IP address in the address box, then press Enter.

## A personal software firewall is blocking communication between the printer and the computer

The personal software firewall is a security program that protects a computer from intrusion. However, the personal firewall might block communication between the computer and the printer.

If you cannot communicate with the printer, try disabling the personal firewall. If you are still unable to communicate with the printer, then re-enable the firewall.

If disabling the firewall allows you to communicate with the printer, you might want to assign the printer a static IP address and then re-enable the firewall. To assign the printer a static IP address, see the reference guide that came with the printer.

## 12.2 Printer is not printing

#### Verify the following

- The printer is connected to the power source.
- The cable connections are secure.
- The printer is turned on.
- The print cartridges are correctly installed.
- The paper or other media is correctly loaded in the In tray.
- The printer cover is closed.
- The rear access door or optional duplexer is attached.

#### Check the printer lights

The printer lights indicate the printer status and alert you to potential problems.

For more information, see printer lights are on or flashing.

#### Check the printer cable connection

If the printer cable is attached to a USB hub, a printing conflict might exist. Use one of these methods for solving the conflict:

- Attach the printer USB cable directly to your computer.
- When printing, do not use other USB devices that are attached to the hub.

#### If the printer still does not print

Select the topic below that best describes the problem:

- Paper jam
- Out of paper message
- Printer ejects paper

## 12.3 Paper jam

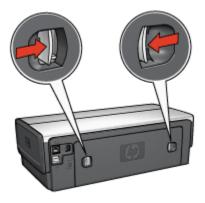
Do not clear a paper jam from the front of the printer.

Follow these steps to remove a paper jam:

1. Press the **Resume** button.

If the paper jam does not clear, then go to the next step.

2. Push the two latch handles on the rear access door toward each other, and then remove the door.



3. Remove any paper that is inside the printer by pulling it out from the back of the printer.

If you are printing labels, verify that a label did not become detached from the label sheet while passing through the printer.

4. Replace the rear access door.



5. Press the Resume button.

#### Accessories?



If the Two-Sided Printing Accessory is attached to the printer, follow these steps to clear a paper jam from the Two-Sided Printing Accessory.



If the Auto Two-Sided Print Accessory with Small Paper Tray is attached to the printer, follow these steps to clear a paper jam Auto Two-Sided Print Accessory with Small Paper Tray.

### 12.4 Paper problems

#### Printer prints on multiple sheets at once

#### Paper weight

The printer might print on multiple sheets of paper at once if the paper is under the recommended paper weight. Use paper that meets the recommended paper weight. For paper weight specifications, see the reference guide that came with the printer.

The printer might print on multiple sheets of paper at once if the paper is loaded too far toward the back of the printer. Reload paper into the paper tray, pushing the paper until you feel resistance.

The printer also might print on multiple sheets if different paper types are loaded in the printer. For example, photo paper might be mixed with plain paper. Empty the paper tray and load only the paper type that is appropriate for the document that you are printing.

#### Printer will not feed paper

Try one or more of the following solutions:

- Reduce the number of sheets in the paper tray.
- Remove the paper from the tray, then reload the paper.
- Use a different type of paper.

#### Printer ejects the paper

If the printer ejects the paper, try one of the following solutions:

- Move the printer away from direct sunlight. The printer may have been placed in direct sunlight, which can affect the Automatic Paper-Type Sensor.
- Select a paper type other than Automatic.
- If you are performing a color calibration, install both the tri-color and photo print cartridges.
- If you are printing a borderless document and the Resume light and Print Cartridge Status light are flashing, follow the borderless printing guidelines.

#### Other paper problems

- For information about clearing a paper jam, see the paper jam page.
- If an out-of-paper message appears, see the error messages page.

### 12.5 Print quality is poor

For help with photo print quality, see the photo troubleshooting page.

#### Streaks and missing lines

If your printed pages are missing lines or dots, or if streaks appear, the print cartridges might be low on ink or might need to be cleaned.

#### Print is faded

1. Verify that neither of the print cartridges is low on ink.

If a print cartridge is low on ink, consider replacing the print cartridge when the print quality lessens.

If the print cartridge is not low on ink, clean the print cartridge.

2. Verify that a black print cartridge is installed.

If the black text and images on your printouts are faded, you might be printing with only the tri-color print cartridge. Insert a black print cartridge, in addition to the tri-color print cartridge, for optimal black print quality.

3. Verify that the protective piece of plastic tape has been removed from the print cartridges.



- 1. Plastic tape
- 4. Consider selecting a higher print quality.
- 1. Open the Print dialog box.
- 2. Select the Paper Type/Quality panel.
- 3. Click the Ink tab.
- 4. Move the Ink Density slider toward Light or Heavy.
- 5. Move the Dry Time slider toward More.
- 6. Click Print.

#### Blank pages print

- The protective piece of plastic tape might still be attached to the print cartridges. Verify that the plastic tape has been removed from the print cartridges.
- The print cartridges might be out of ink. Replace one or both empty print cartridges.
- The printer might be in direct sunlight. Direct sunlight can adversely affect the Automatic Paper-Type Sensor. Move the printer out of direct sunlight.
- You might be trying to print a borderless document with only the black print cartridge installed. When printing a borderless document, always have the tricolor print cartridge and another print cartridge installed.

## 12.6 Document is misprinted

#### Text and images are misaligned

If the text and images on your printouts are misaligned, then align the print cartridges.

#### Envelope is printed at an angle

- 1. Slide the flap inside the envelope before loading it in the printer.
- 2. Confirm that the paper guides fit firmly against the edge of the envelope.
- 3. Reprint the envelope.

#### Parts of the document are missing or printed in the wrong place

- 1. Open the Page Setup dialog box and verify the following settings:
  - Paper Size: The appropriate paper size.
  - Scale: Select to scale text and graphics to fit on the paper.
  - Orientation: Verify the appropriate orientation.
- 2. If you are using OS X Classic, open the Print dialog box.
- 3. Select the Layout panel.
- 4. If **Tiling** is selected, and you are not printing a poster, click **Multiple Pages per Sheet**, and then click **1 (Normal)** in the **Pages Per Sheet** box.

#### Printout does not reflect selected print settings

Some software applications allow you to set certain print settings. The software application's print settings might differ from the printer settings that you specified in the **Print** or **Page Setup** dialog boxes.

Change the appropriate print settings within the software application to match the settings on the **Print** or **Page Setup** dialog boxes.

### 12.7 Photos are not printing correctly

#### Check the paper tray

- 1. Place the photo paper in the In tray with the side to be printed on facing down.
- 2. Slide the paper forward until it stops.
- 3. Slide the paper guide firmly against the edge of the paper.

#### Check the printer settings

1. Open the Page Setup dialog box and verify the following settings:

Panel	Setting
Page Attributes	Paper Size: The appropriate paper size
	Orientation: The appropriate orientation

2. Open the Print dialog box and verify the following settings:

Panel	Setting
Paper Type/Quality	Paper Type: The appropriate photo paper type
	Quality: Best or Maximum dpi
	<b>Digital Photo</b> : Used for photo enhancement options (see HP digital photography options)
	Source: Upper tray

#### Colors are tinted or incorrect

If colors in photographs appear tinted or incorrect, follow these steps:

- 1. Align the print cartridges.
- 2. Reprint the photograph.
- 3. If colors are still tinted or incorrect, calibrate the color.

A photo print cartridge must be installed for color calibration.

- 4. Reprint the photograph.
- 5. If colors are still tinted or incorrect, then open the Print dialog box, select the Paper Type/Quality panel, select the Color Options, and then take one of the following actions:
  - If the colors are too yellow, move the Color Tone slider towards Cooler.
  - If the colors are too blue, move the Color Tone slider towards Warmer.
- 6. Reprint the photograph.
- 7. If colors are still tinted or incorrect, align the print cartridges.

Part of the photograph is faded Fading occurs on the edges of a printout





Verify that photo paper is not curled. If the photo paper is curled, place the paper in a plastic bag and gently bend it the opposite direction of the curl until the paper lies flat. If the problem persists, then use photo paper that is not curled.

For instructions about preventing photo paper from curling, see the photo paper storage page.



Install a photo print cartridge in the printer.

## 12.8 Banners are not printing correctly

#### Check the paper tray

- Unfold and refold the paper when several sheets feed into the printer at one time.
- Confirm that the unattached edge of the banner paper stack is on top and pointing into the printer.

• Verify that the correct paper for banner printing is in use.

#### Check the printer settings

Open the Page Setup dialog box and verify the following setting:

Panel	Setting
Page Attributes	Paper Size: Select A4 Banner or US Letter Banner

#### Check the software

Verify that the software application you are using prints banners. Not all software applications print banners.

## 12.9 Borderless printing problems

#### Guidelines

When printing borderless printouts, follow these guidelines:

- Verify that the paper size that is specified in the Page Setup dialog box matches the size of the paper that is loaded in the In tray.
- Select the appropriate paper type in the Paper Type/Quality panel.
- Do not print borderless documents in the ink-backup mode. Always have two print cartridges installed in the printer.

#### Part of the photograph is faded

#### Fading occurs on the edges of a printout





Verify that photo paper is not curled. If the photo paper is curled, place the paper in a plastic bag and gently bend it the opposite direction of the curl until the paper lies flat. If the problem persists, then use photo paper that is not curled.

For instructions about preventing photo paper from curling, see the photo paper storage page.



Install a photo print cartridge in the printer.

#### Streaks appear in a light portion of a printout



Install a photo print cartridge in the printer.

#### Image is printed at an angle

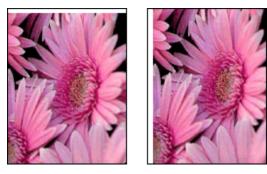


Follow these steps if the image is printed at an angle:

- 1. Remove all paper from the In tray.
- 2. Load the photo paper correctly in the In tray.
- 3. Verify that the paper guides fit firmly against the media.

#### Printout has an unwanted border

For most photo paper types



If the printout has an unwanted border, then align the print cartridges. If the border appears below the tear-off tab, then remove the tab.



If the border appears above the tear-off tab, then align the print cartridges.



## 12.10 Error messages

#### Out of paper message

#### If the In tray or optional lower tray contains paper

- 1. Verify the following:
  - There is sufficient paper in the paper tray (at least ten sheets).
  - The paper tray is not overly full.
  - The paper stack is touching the back of the paper tray.
- 2. Slide the paper guides so that they fit *firmly* against the edges of the paper.
- 3. Press the Resume button to continue printing.
- 1. Load paper in the tray.
- 2. Press the **Resume** button to continue printing.

#### The error message 'there is a problem with the print cartridges' appears

The Print Cartridge Status light comes on when one or both of the print cartridges is low on ink.

The light flashes when one or both of the print cartridges is improperly installed or malfunctioning.

For instructions about correcting the problem, see printer lights are on or flashing.

## 12.11 Printer lights are on or flashing

#### What the lights indicate

The printer lights indicate the printer status.

#### Power light is flashing

The printer is preparing to print. The light stops flashing when the printer has received all data.

#### Resume light is flashing

Follow these instructions to clear a paper jam.

#### Print cartridge status light is on or flashing

Check to see if a print cartridge is low on ink.

If a print cartridge is low on ink, consider replacing the print cartridge.

If neither print cartridge is low on ink, press the **Resume** button. If the Print Cartridge Status light remains on, turn off, then turn on the printer.

Verify that the correct print cartridges are installed.

If you were printing a borderless document when the light started flashing, follow these guidelines.

Otherwise, follow these steps:

- 1. Open the printer's top cover, remove the black or photo print cartridge, then close the cover.
- 2. Do one of the following:
  - *If the light is flashing*: Open the top cover, replace the print cartridge you removed, then remove the tri-color print cartridge. Go to step 3.
  - *If the light is off.* There is a problem with the print cartridge you removed. Go to step 3.
- 3. Manually clean the print cartridge.

After cleaning the print cartridge, reinsert it into the printer.

If the print cartridge status light continues to flash, replace the print cartridge.

#### All lights are flashing

Restart the printer.

1. Press the **Power** button to turn off the printer, then press the **Power** button to restart the printer.

Proceed to step 2 if the lights continue to flash.

- 2. Press the **Power** button to turn off the printer.
- 3. Disconnect the printer power cord from the electrical outlet.
- 4. Reconnect the printer power cord to the electrical outlet.
- 5. Press the **Power** button to turn on the printer.

#### Power-cord light

The light on the power cord illuminates when electricity is flowing through the cord. If the light is off, then the cord is not receiving power.

## 12.12 Document prints slowly

Several variables can slow the printer's performance.

#### Multiple software applications are open

The computer does not have sufficient resources for the printer to print at its optimum speed.

To increase printer speed, close all unnecessary software programs when printing.

#### Complex documents, graphics, or photographs are printing

Documents containing graphics or photographs print slower than text documents.

#### Best or Maximum dpi print mode is selected

The printer prints slower when **Best** or **Maximum dpi** is selected as the print quality. To increase the printer speed, select a different print quality mode.

#### Printer driver is outdated

An outdated printer driver may be installed.

For information about updating the printer driver, visit the HP Web site at www. hp.com/support.

#### Two-sided documents are printing

Printing two-sided documents takes more time than printing single-sided documents.

#### Computer does not meet system requirements

If your computer does not have enough RAM or does not have a large amount of free space on the hard drive, then the printer processing time will be longer.

1. Verify that the computer hard disk space, RAM, and processor speed meet the system requirements.

For the system requirements, see the reference guide that came with the printer.

2. Make space available on the hard drive by deleting unneeded files.

#### Printer is in ink-backup mode

The printer might print more slowly if it is in ink-backup mode.

To increase the print speed, use two print cartridges in the printer.

### 12.13 If you continue to have problems

If you continue to have problems after investigating the troubleshooting topics, turn off your computer and then restart it.

If you still have problems after restarting your computer, go to HP customer support at www.hp.com/support.

## 13 Optional accessories

The following optional accessories are available to be used with your HP printer.



Printing Accessory

Accessory with Small Paper Trav

If an accessory is not included with your printer, it can be purchased separately from an authorized HP dealer.

For accessory part numbers, see the accessory supply list.

Note: The availability of accessories varies by country/region.

## 13.1 Automatic Two-Sided Printing Accessory (duplexer)

The duplexer is a special hardware device that enables the printer to automatically print on both sides of a page.

Using a duplexer with your printer has several advantages. It allows you to do the following tasks:

- Print on both sides of a page without manually reloading the page.
- Use less paper by printing on both sides of paper sheets.
- · Create professional-looking brochures, reports, newsletters, and other special items.

If the duplexer is not packaged with your printer, it can be purchased separately from an authorized HP dealer.

Note: The duplexer is not available in all countries/regions.



The duplexer only supports certain paper types. For a list of supported paper types, see the duplexer specifications.

Learn how to install the duplexer.

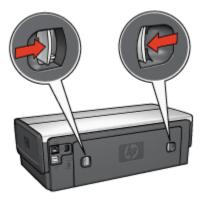
Use the duplexer to print a two-sided document automatically.

Follow these tips to solve automatic two-sided printing problems.

#### 13.1.1 Installing the duplexer

Follow these steps to attach the duplexer to your printer:

1. Push the two latch handles on the printer's rear access door toward each other, and then remove the door.



- Note: Do not discard the rear access door. In order to print, either the duplexer or the rear access door must be attached to the printer.
- 2. Insert the duplexer in the back of the printer until both sides snap into place.



Note: Do not press the buttons on either side of the duplexer when installing it in the printer. Use the buttons only when removing the duplexer from the printer.

#### 13.1.2 Automatic two-sided printing problems

#### Paper jam occurs inside the Automatic Two-Sided Printing Accessory

#### Paper jam

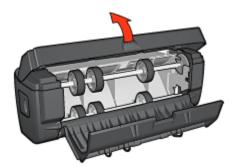
Follow these steps to remove a paper jam from the duplexer.

- 1. Turn off the printer.
- 2. Press the buttons on the left and right sides of the duplexer, and then remove it from the printer.

Warning: Remove the duplexer before opening it when clearing a paper jam.



- 3. Remove any paper inside the printer.
- 4. Open the duplexer.



- 5. Remove any paper from inside the duplexer.
- 6. Close the duplexer, and then re-attach the duplexer to the printer.

#### Option for automatic two-sided printing cannot be selected

Verify the following:

- The duplexer is attached to the printer.
- A supported paper size is selected in the Page Setup dialog box.
- A supported paper type is selected in the **Paper Type/Quality** panel of the Print dialog box.

For a list of support paper types and sizes, see the duplexer specifications.

## Only one side of the page prints when the two-sided printing option is enabled

Verify the following:

- The correct print options are set in both the printer software and the application you are using.
- The photo paper is not curled, if you are printing on two-sided photo paper. Photo paper should be flat before printing. See storing and handling photo paper for more information.
- The paper size selected in the Page Setup dialog box is supported by the duplexer.
- The paper type selected in the **Paper Type/Quality** panel is supported by the duplexer.

See the documentation that came with the duplexer for a list of supported paper types and sizes.

#### Binding margin is in the wrong place

You might have chosen an incorrect paper orientation.

- 1. Open the Print dialog box.
- 2. Select the Two-Sided Printing panel.
- 3. Verify that the correct binding has been selected:
  - The **Book** button is selected for binding along the side.
  - The Tablet button is selected for binding along the top.

#### 13.1.3 Automatic Two-Sided Printing Accessory specifications

#### Dimensions when attached to printer

124.6 mm (4.9 in) tall x 320.5 mm (12.62 in) wide x 77.7 mm (3.06 in) deep

#### Skew (second side of printed page)

Plain paper: +/- .009 mm/mm (.009 in/in) Cards: +/- .006 mm/mm (.006 in/in) Envelopes: +/- .012 mm/mm (.012 in/in)

#### Media weight

Letter/A4: 60 to 90 g/m<sup>2</sup> (16 to 24 lb) Cards: Up to 200 g/m<sup>2</sup> (110 lb index max) Specialty paper: Up to 160 g/m<sup>2</sup> (44 lb bond)

#### Media sizes

Size range: 81 x 117 mm to 216 x 297 mm (3.2 x 4.6 in to 8.5 x 11 in)

Paper:

- U.S. Letter: 216 x 279 mm (8.5 x 11 in)
- Executive: 184 x 267 mm (7.25 x 10.5 in)
- A4: 210 x 297 mm
- A5: 148 x 210 mm
- B5: 182 x 257 mm

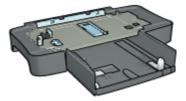
Cards:

- 127 x 203 mm (5 x 8 in)
- 102 x 152 mm (4 x 6 in)

- A6: 105 x 148.5 mm
- Hagaki: 100 x 148 mm

### 13.2 250-Sheet Plain Paper Tray Accessory

The 250-Sheet Plain Paper Tray Accessory expands the paper capacity of your printer to 400 sheets. It is useful for high-volume printing and for occasions when you want to use the In tray for special media such as letterhead paper, but still have plain paper readily available.



The 250-Sheet Plain Paper Tray Accessory only supports certain paper size. For a list of supported paper sizes, see the 250-Sheet Plain Paper Tray Accessory specifications.

If the 250-Sheet Plain Paper Tray Accessory is not included with your printer, it can be purchased separately from an authorized HP dealer.

Note: The 250-sheet Plain Paper Tray Accessory is not available in all countries/ regions.

Learn how to install the 250-Sheet Plain Paper Tray Accessory.

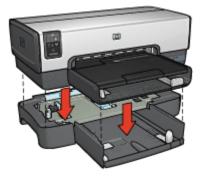
Learn how to load paper into the 250-Sheet Plain Paper Tray Accessory.

Use the 250-Sheet Plain Paper Tray Accessory to save time when printing.

#### 13.2.1 Installing the 250-Sheet Plain Paper Tray Accessory

Follow these steps to install the 250-Sheet Plain Paper Tray Accessory:

- 1. Turn off the printer.
- 2. Select a location for the printer and place the 250-Sheet Plain Paper Tray Accessory in this location.
- 3. Carefully lift the printer and orient it above the paper tray.

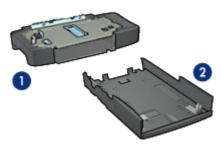


4. Gently place the printer on top of the paper tray.

#### 13.2.2 Loading the 250-Sheet Plain Paper Tray Accessory

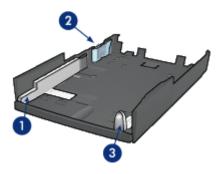
#### Two parts

The 250-Sheet Plain Paper Tray Accessory has two parts.



- 1. Base
- 2. Lower tray

The lower tray has three size adjusters.



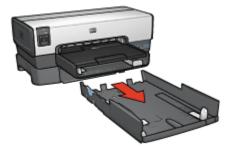
- 1. Paper-width guide
- 2. Paper-width fence
- 3. Paper-length guide
- Note: When changing the paper size in the paper tray, you must set all three paper guides.

#### Setting the paper size

When changing the paper size in the paper tray, all three paper guides must be set to the correct setting.

Follow these steps to set the paper size:

1. Remove the lower tray from the base.



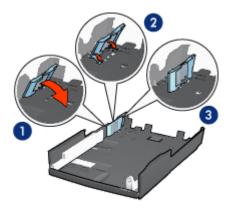
2. Slide the paper-width guide until the arrow is even with the correct setting.



1. Align the arrows

Note: To print on legal-sized paper, set the paper-width guide to LTR.

3. Set the paper-width fence by carefully inserting it into the appropriate slots.



- 1. Tilt the fence forward.
- 2. Insert the fence into the appropriate slots
- 3. Tilt the fence back until it locks into place

Note: To print on legal-sized paper, set the paper-width fence to LTR.

4. Set the paper-length guide by pulling it until the arrow lines up with the paper size.



- 1. Align the arrows
- Note: To print on legal-sized paper, pull the paper-length guide all the way out.

#### Loading paper

Follow these steps to load paper:

- 1. Remove the lower tray from the base.
- 2. Verify that all three paper guides are set to the correct setting.
- 3. Insert the paper into the lower tray.



4. Insert the lower tray in the base until it locks into place.



#### 13.2.3 250-Sheet Plain Paper Tray Accessory specifications

#### Dimensions

448 mm (17.64 in) wide x 65 mm (2.56 in) high x 384 mm (15.12 in) deep

#### Weight

1.99 kg (4.40 lb)

#### Media weight

Letter/A4 paper: 60 to 105 g/m2 (16 to 28 lbs)

#### Media sizes

US Letter: 216 x 279 mm (8.5 x 11 in) Executive: 184 x 267 mm (7.25 x 10.5 in) A4: 210 x 297 mm A5: 148 x 210 mm B5: 182 x 257 mm

# 13.3 Auto Two-Sided Print Accessory with Small Paper Tray

The Auto Two-Sided Print Accessory with Small Paper Tray is a hardware device that contains a rear tray for small media and a duplexer for two-sided printing on both full-size and small media.



• Postcards and other small media can be printed on two sides automatically when they are fed from the rear tray.

- Photo paper and envelopes can be printed on one side by using the small paper tray.
- · Print two-sided documents automatically.

If the Auto Two-Sided Print Accessory with Small Paper Tray is not included with your printer, it can be purchased separately from an authorized HP dealer.

The accessory only supports certain paper types. For a list of supported paper types, see the Auto Two-Sided Print Accessory with Small Paper Tray specifications.

Note: The Auto Two-Sided Print Accessory with Small Paper Tray is not available in all countries/regions.

Learn how to install the accessory.

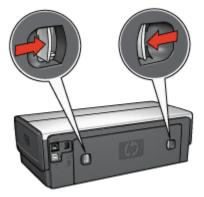
Learn how to configure the printer to use the accessory when printing from a digital camera.

Follow these tips to solve printing problems when using the accessory.

## 13.3.1 Installing the Auto Two-Sided Print Accessory with Small Paper Tray

Use these steps to install the Auto Two-Sided Print Accessory with Small Paper Tray:

1. Push the two latch handles on the printer rear access door toward each other, and then remove the door.



Do not discard the rear access door. In order to print, the accessory or the rear access door must be attached to the printer.

2. Insert the accessory into the back of the printer until both sides snap into place.



Note: Do not press the buttons on either side of the accessory when installing it into the printer. Use the buttons only when removing the accessory from the printer.

#### 13.3.2 Printing postcards

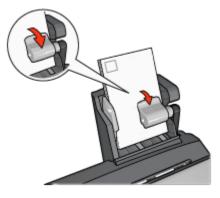
#### Guidelines

- Use only cards that meet the specifications for the Auto Two-Sided Print Accessory with Small Paper Tray. For more information, see the Auto Two-Sided Print Accessory with Small Paper Tray specifications.
- When printing a large number of cards, remove the printed material from the printer's Out tray about halfway through the print job.
- Do not exceed the maximum capacity for the rear tray: 100 cards.

#### Preparing to print

- 1. Slide the paper-width guide to the left.
- 2. Pull the paper lever forward and insert the cards.

The address side of the cards should face outward.



3. Release the paper lever.

4. Slide the paper-width guide against the edge of the cards.



#### Printing

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate paper size
    - Note: To print a borderless card, click the borderless photo size that matches the card size.
  - Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then select the following settings:
  - · Source: Rear tray
  - Paper Type: The appropriate paper type
  - Quality: Normal, Best, or Maximum dpi
- 5. If you want to use them, set the HP digital photography options.
- 6. Select any other print settings that you want, and then click Print.

#### 13.3.3 Small photos

#### Guidelines

- For high-quality results, use a photo print cartridge in combination with the tricolor print cartridge.
- For maximum fade resistance, use HP Premium Plus Photo Paper and install a photo print cartridge in the printer.
- To learn how to use the photo printing features, see the photo enhancing page.

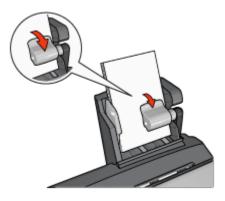
- Use HP Everyday Photo Paper, Semi-gloss to save money and ink when printing photos.
- Verify that the photo paper that you are using is flat. For information about preventing photo paper from curling, see the photo paper storage instructions.
- Do not exceed the maximum capacity of the rear tray: 20 sheets of photo paper.

#### Preparing to print

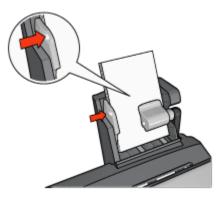
- 1. Slide the paper-width guide to the left.
- 2. Pull the paper lever forward and insert the photo paper.

The side of the photo paper to be printed on should face outward.

Note: If the photo paper has a tear-off tab, the tab must point up rather than leading into the printer.



- 3. Release the paper lever.
- 4. Slide the paper-width guide against the edge of the photo paper.



#### Printing

- 1. Open the Page Setup dialog box, and then select the following settings:
  - Paper Size: The appropriate paper size

Note: To print a borderless photo, select a borderless photo paper size.

- Orientation: The appropriate orientation
- 2. Click OK.
- 3. Open the Print dialog box.
- 4. Select the Paper Type/Quality panel, and then select the following settings:
  - Source: Rear tray
  - Paper Type: The appropriate photo paper type
  - Quality: Best or Maximum dpi
- 5. If you want to use them, set the HP digital photography options.
- 6. Select any other print settings that you want, and then click Print.

#### 13.3.4 Envelopes

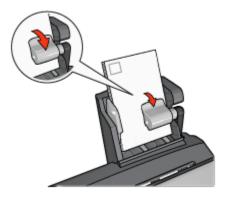
#### Guidelines

- Avoid using envelopes that have the following qualities:
  - Have clasps or windows
  - Have thick, irregular, or curled edges
  - Are shiny or embossed
  - Are wrinkled, torn, or otherwise damaged
- Align the envelope edges before inserting them in the rear tray.
- Do not exceed the maximum capacity of the rear tray capacity: 10 envelopes.

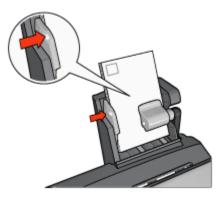
#### Preparing to print

- 1. Slide the paper-width guide to the left.
- 2. Pull the paper lever forward and insert the envelopes.

Insert the envelopes with the address side facing outward and the flap to the left.



- 3. Release the paper lever.
- 4. Slide the paper-width guide against the edge of the envelopes.



#### Printing

- 1. If necessary, open the Page Setup dialog box and set the paper size, scaling, or orientation options.
- 2. Open the Print dialog box.
- 3. Select the Paper Type/Quality panel, and then select the following settings:
  - · Source: Rear tray
  - Paper Type: Plain paper
- 4. Select any other print settings that you want, and then click Print.

## 13.3.5 Problems with the Auto Two-Sided Print Accessory with Small Paper Tray

#### Paper jam

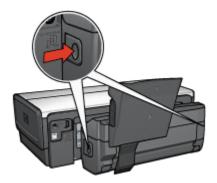
Do not clear a paper jam from the front of the printer.

Follow these steps to remove a paper jam from the Auto Two-Sided Print Accessory with Small Paper Tray.

- 1. Turn off the printer.
- 2. Press the buttons on the left and right sides of the accessory, and then remove it from the printer.



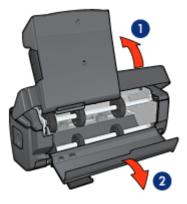
Warning: Remove the Auto Two-Sided Print Accessory with Small Paper Tray before opening it when clearing a paper jam.



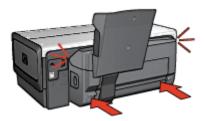
- 3. Remove any paper that is inside the printer.
- 4. Lift the back lever on the accessory, and then unhook the Small Paper Tray.



5. Tilt the Small Paper Tray forward and open the lower door of the accessory.



- 1. Tilt the Small Paper Tray
- 2. Open the lower door
- 6. Remove any paper that is inside the accessory.
- 7. Close the accessory, and then secure the back lever to close the accessory.
- 8. Re-attach the accessory to the printer.



#### Paper size changes when the two-sided printing option is selected

The paper size is not supported by the duplexer.

#### Binding margin is in the wrong place

You might have chosen an incorrect paper orientation.

- 1. Open the Print dialog box.
- 2. Select the Two-Sided Printing panel.
- 3. Verify that the correct binding has been selected:
  - The **Book** button is selected for binding along the side.
  - The Tablet button is selected for binding along the top.

# Only one side of the page prints when the two-sided printing option is enabled

Verify the following:

- The correct print options are set in both the printer software and the application you are using.
- The photo paper is not curled, if you are printing on two-sided photo paper. Photo paper should be flat before printing. See storing and handling photo paper for more information.
- The paper size selected in the Page Setup dialog box is supported by the duplexer.
- The paper type selected in the **Paper Type/Quality** panel is supported by the duplexer.

See the documentation that came with the duplexer for a list of supported paper types and sizes.

# 13.3.6 Auto Two-Sided Print Accessory with Small Paper Tray specifications

#### Dimensions when attached to printer

219.3 mm (8.63 in) tall x 320.5 mm (12.62 in) wide x 142.1 mm (5.6 in) deep

## **Duplexing specifications**

For duplexing specifications, including skew, media weight, and media sizes for paper fed into the printer through the printer In tray, see the Automatic Two-Sided Printing Accessory specifications.

#### Small paper tray specifications

Media thickness: 7-12 mils

Media sizes:

- Size range:
  - Width: 89 to 105 mm (3.5 to 4.13 in)
  - Length: 117 to 305 mm (4.6 to 12 in)
- · Cards:
  - 10x15 cm, 10x15 cm with tab
  - 4x6 in, 4x6 in with tab
  - A6, 105x148 mm
  - Index card, 4x6 in.

- L, 89x127 mm
- Photo paper:
  - 10x15 cm, 10x15 cm with tab
  - 4x6 in, 4x6 in. with tab
  - A6, 105x148 mm
  - L, 89x127 mm, L, 89x127 mm with tab
  - Panoramic 4x10 in, 4x11 in, 4x12 in
- · Envelopes:
  - No. 10 Envelope, 4.12x9.5 in
  - Japanese envelope No. 4, 90x205 mm
- Hagaki:
  - Hagaki, 100x148 mm

Tray capacities:

- Photo paper:
  - 4x6, L size: Up to 80 sheets
  - Panoramic: Up to 5 sheets
- Hagaki:
  - Photo: Up to 80 cards
- · Cards:
  - 4x6: Up to 100
  - A6: Up to 100
- Envelopes:
  - No. 10: Up to 10
  - Japanese envelope No. 4: Up to 10

# 14 Specifications

- · Printer specifications
- Environmental statement
- · Print cartridge recovery

# 14.1 Printer specifications

See the reference guide that came with your printer for complete printer specifications, including the following information:

- Types, sizes, and weights of paper and other printing media that can be used with your printer
- · Print speeds and resolutions
- · Power requirements

# 14.2 Environmental statement

Hewlett-Packard continuously improves the design processes of its deskjet printers to minimize the negative impact on the office environment and on the communities where printers are manufactured, shipped, and used.

#### **Reduction and elimination**

**Paper use:** The printer's two-sided printing capability reduces paper usage and the resulting demands on natural resources. In addition, the print cancel button allows the user to save paper by quickly canceling a print job as needed. Finally, this equipment is suitable for using recycled paper (in accordance with EN 12281:2002).

**Recycled paper:** All paper documentation for this printer is printed on recycled paper.

**Ozone:** Ozone-depleting chemicals such as CFCs have been eliminated from Hewlett-Packard's manufacturing processes.

## Recycling

Design for recycling has been incorporated into this printer. The number of materials has been kept to a minimum while ensuring proper functionality and reliability. Dissimilar materials have been designed to separate easily. Fasteners and other connections are easy to locate, access, and remove using common tools. High-priority parts have been designed to gain access to quickly for efficient disassembly and repair.

**Printer packaging:** The packaging materials for this printer have been selected to provide maximum protection for the least cost possible, while attempting to minimize environmental impact and facilitate recycling. The rugged design of the HP Deskjet printer assists in minimizing both packaging materials and damage rates.

**Plastic parts:** All major plastics and plastic parts are marked according to international standards. All plastic parts used in the printer housing and chassis are technically recyclable and all use a single polymer.

**Product longevity:** To ensure the longevity of your HP Deskjet printer, HP provides the following:

- Extended warranty: Details can be found in the reference guide that came with your printer.
- **Product take-back:** To return this product to HP at the end of its useful life, go to www.hp.com/recycle. To return empty print cartridges to HP, see print cartridge recovery.
  - Note: The extended warranty and product take-back options are not available in all countries/regions.

## **Energy consumption**

**Energy consumption in off-mode:** When the printer is off, an amount of energy is still being consumed. Energy consumption can be prevented by turning the printer power off, then disconnecting the end of the printer power cord from the electrical source.

# 14.3 Print cartridge recovery

Customers interested in recycling their genuine HP print cartridges can participate in HP's Planet Partner's Program for inkjet cartridges. HP offers this program in more countries/regions than any other inkjet cartridge manufacturer in the world. This program is provided as a free service to HP customers as an environmentally sound solution for these products at end-of-life.

To participate, simply follow the directions provided on the HP Web site at this address: www.hp.com/recycle. This service is not available in all countries/regions. Customers may be asked for their name, phone number, and address.

Because HP's unique recycling processes are very sensitive to material contamination, we cannot take back and recycle cartridges from other manufacturers. The end products of the recycling process are used in the manufacture of new products, and HP must ensure the composition of the material is consistent. To do that, we recycle only HP original cartridges. This program does not extend to refilled cartridges.

Returned cartridges are separated for purification into raw materials for use in other industries to manufacture new products. Examples of products made from recycled HP print cartridge materials include automobile parts, trays used in microchip fabrication processes, copper wire, steel plates, and the precious materials used in electronics. Depending on the model, HP is able to recycle up to 65% of the print cartridge by weight. The remaining parts that cannot be recycled (ink, foam, and composite parts) are disposed of in an environmentally responsible manner.

# **15** Supplies

- Paper
- USB cables
- Accessories
- · Print cartridges

Note: The availability of supplies and accessories varies by country/region.

# 15.1 Paper

To order media such as HP Premium Paper, HP Premium Inkjet Transparency Film, HP Iron-On Paper, or HP Greeting Cards, go to www.hp.com.

Choose your country/region, and then select Buy or Shopping.

# 15.2 USB cables

Note: The availability of supplies varies by country/region.

C6518A HP USB A-B 2 M cable

# 15.3 Accessories

If an accessory is not included with your printer, it can be purchased separately from an authorized HP dealer.

Note: The availability of accessories varies by country/region.

## Automatic Two-Sided Printing Accessory

Q5712A Automatic Two-Sided Printing Accessory

## Auto Two-Sided Print Accessory with Small Paper Tray

Q3032A Auto Two-Sided Print Accessory with Small Paper Tray

## 250-Sheet Plain Paper Tray Accessory

Q3447A 250-Sheet Plain Paper Tray Accessory

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