

LEXMARK™

4800 Series




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www.lexmark.com

Safety information


Use only the power supply and power supply cord provided with this product or the manufacturer's authorized replacement power supply and power supply cord.

Connect the power supply cord to an electrical outlet that is near the product and easily accessible.

 **CAUTION:** Do not twist, bind, crush, or place heavy objects on the power cord. Do not subject the power cord to abrasion or stress. Do not pinch the power cord between objects such as furniture and walls. If the power cord is misused, a risk of fire or electrical shock results. Inspect the power cord regularly for signs of misuse. Remove the power cord from the electrical outlet before inspecting it.

Refer service or repairs, other than those described in the user documentation, to a professional service person.

This product is designed, tested, and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.

 **CAUTION:** Do not set up this product or make any electrical or cabling connections, such as the power supply cord or telephone, during a lightning storm.

SAVE THESE INSTRUCTIONS.

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Introduction

Finding information about the printer



Quick Setup sheet

Description	Where to find
The <i>Quick Setup</i> sheet gives you instructions for setting up hardware and software.	You can find this document in the printer box or on the Lexmark Web site at www.lexmark.com .


User's Guide

Description	Where to find
<p>The <i>User's Guide</i> gives you instructions for setting up hardware and software (on Windows operating systems) and some basic instructions for using the printer.</p> <p>Note: If your printer supports Macintosh operating systems, see the Mac Help:</p> <ol style="list-style-type: none">1 From the Finder desktop, double-click the Lexmark 4800 Series folder.2 Double-click the printer Help icon.	You can find this document in the printer box or on the Lexmark Web site at www.lexmark.com .

User's Guide: Comprehensive Version

Description	Where to find
<p>The <i>User's Guide: Comprehensive Version</i> gives you instructions for using the printer and other information such as:</p> <ul style="list-style-type: none"> • Using the software (on Windows operating systems) • Loading paper • Printing • Working with photos • Scanning (if supported by your printer) • Making copies (if supported by your printer) • Faxing (if supported by your printer) • Maintaining the printer • Connecting the printer to a network (if supported by your printer) • Troubleshooting problems with printing, copying, scanning, faxing, paper jams, and misfeeds <p>Note: If your printer supports Macintosh operating systems, see the Mac Help:</p> <ol style="list-style-type: none"> 1 From the Finder desktop, double-click the Lexmark 4800 Series folder. 2 Double-click the printer Help icon. 	<p>When you install the printer software, the <i>User's Guide: Comprehensive Version</i> will be installed.</p> <ol style="list-style-type: none"> 1 Do one of the following: <ul style="list-style-type: none"> • In Windows Vista, click . • In Windows XP and earlier, click Start. 2 Click Programs or All Programs → Lexmark 4800 Series. 3 Click User's Guide. <p>If the link to the <i>User's Guide</i> is not on your desktop, follow these instructions:</p> <ol style="list-style-type: none"> 1 Insert the CD. The installation screen appears. <p>Note: If necessary, click  → All Programs → Run. In Windows XP and earlier versions, click Start → Run, and then type D:\setup, where D is the letter of your CD-ROM drive.</p> <ol style="list-style-type: none"> 2 Click Documentation. 3 Click View User's Guide (including Setup Troubleshooting). 4 Click Yes. <p>An icon of the <i>User's Guide</i> appears on your desktop, and the <i>User's Guide: Comprehensive Version</i> appears on the screen.</p> <p>You can also find this document on the Lexmark Web site at www.lexmark.com.</p>

Lexmark Solution Center

Description	Where to find
<p>The Lexmark Solution Center software is included on your CD. It installs with the other software, if your printer connects to a computer.</p>	<p>To access the Lexmark Solution Center:</p> <ol style="list-style-type: none"> 1 Do one of the following: <ul style="list-style-type: none"> • In Windows Vista, click . • In Windows XP and earlier, click Start. 2 Click Programs or All Programs → Lexmark 4800 Series. 3 Select Lexmark Solution Center.

Customer support

Description	Where to find (North America)	Where to find (rest of world)
Telephone support	<p>Call us at</p> <ul style="list-style-type: none"> • US: 1-800-332-4120 Monday–Friday (8:00 AM–11:00 PM ET) Saturday (Noon–6:00 PM ET) • Canada: 1-800-539-6275 <i>English</i> Monday–Friday (8:00 AM–11:00 PM ET) Saturday (Noon–6:00 PM ET) <i>French</i> Monday–Friday (9:00 AM–7:00 PM ET) • Mexico: 01-800-253-9627 Monday–Friday (8:00 AM–8:00 PM ET) <p>Note: Support numbers and times may change without notice. For the most recent phone numbers available, see the printed warranty statement that shipped with your printer.</p>	<p>Telephone numbers and support hours vary by country or region.</p> <p>Visit our Web site at www.lexmark.com. Select a country or region, and then select the Customer Support link.</p> <p>Note: For additional information about contacting Lexmark, see the printed warranty that shipped with your printer.</p>
E-mail support	<p>For e-mail support, visit our Web site: www.lexmark.com.</p> <ol style="list-style-type: none"> 1 Click CUSTOMER SUPPORT. 2 Click Technical Support. 3 Select your printer family. 4 Select your printer model. 5 From the Support Tools section, click e-Mail Support. 6 Complete the form, and then click Submit Request. 	<p>E-mail support varies by country or region, and may not be available in some instances.</p> <p>Visit our Web site at www.lexmark.com. Select a country or region, and then select the Customer Support link.</p> <p>Note: For additional information about contacting Lexmark, see the printed warranty that shipped with your printer.</p>

Limited Warranty

Description	Where to find (US)	Where to find (rest of world)
<p>Limited Warranty Information</p> <p>Lexmark International, Inc. furnishes a limited warranty that this printer will be free of defects in materials and workmanship for a period of 12 months after the original date of purchase.</p>	<p>To view the limitations and conditions of this limited warranty, see the Statement of Limited Warranty included with this printer, or set forth at www.lexmark.com.</p> <ol style="list-style-type: none"> 1 Click CUSTOMER SUPPORT. 2 Click Warranty Information. 3 From the Statement of Limited Warranty section, click Inkjet & All-In-One Printers. 4 Scroll through the Web page to view the warranty. 	<p>Warranty information varies by country or region. See the printed warranty that shipped with your printer.</p>

Record the following information (located on the store receipt and the back of the printer), and have it ready when you contact us so that we may serve you faster:

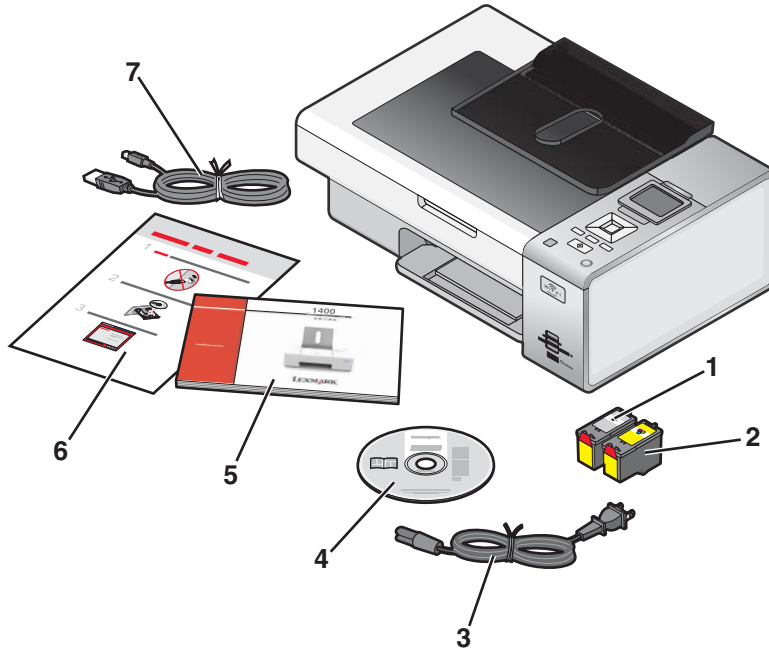
- Machine Type number
- Serial number
- Date purchased
- Store where purchased

Wireless network compatibility

Your printer contains an IEEE 802.11g wireless print server. Your printer is compatible with IEEE 802.11 b/g/n routers that are Wi-Fi certified. If you are having issues with an N router, verify with your router manufacturer that the current mode setting is compatible with G devices, as this setting varies depending on the router brand/model.

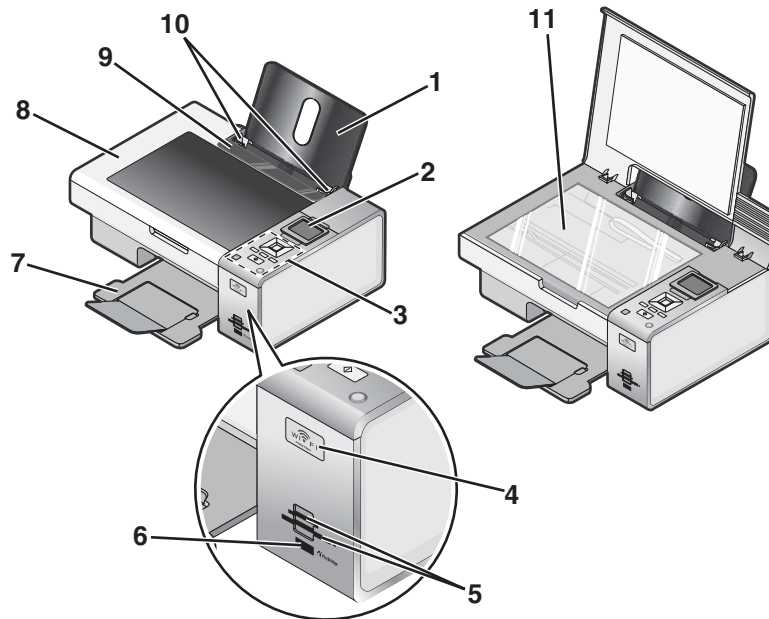
Setting up the printer

Checking the box contents

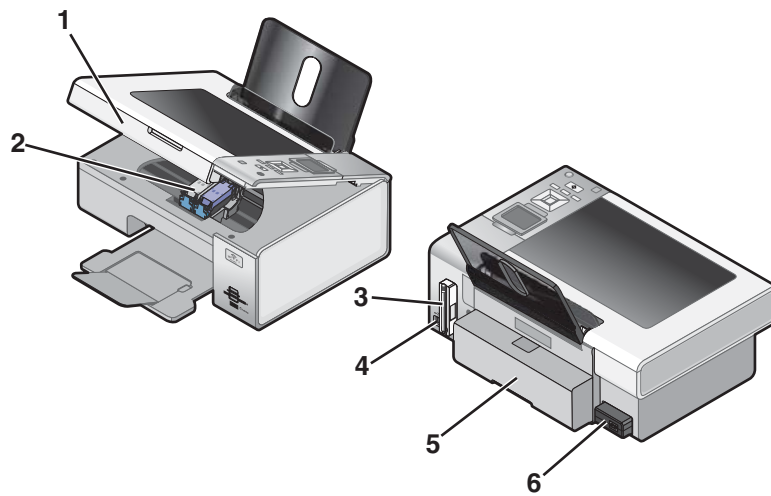


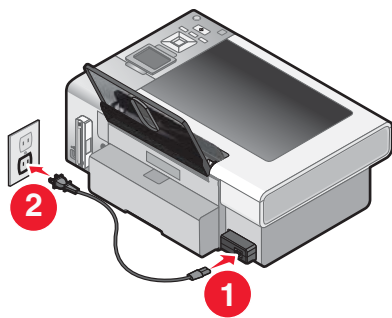
	Name	Description
1	Black print cartridge	Cartridges to be installed into the printer.
2	Color print cartridge	Note: Cartridge combinations vary depending on the product purchased.
3	Power cord	Attaches to the power supply port located at the back of the printer. Note: Your power cord may look different from the one shown.
4	Installation software CD for Windows and Macintosh	<ul style="list-style-type: none"> • Installation software for the printer • Windows Help • <i>User's Guide</i> in electronic format • <i>Mac Help</i>
5	<i>Getting Started</i>	Printed booklet that serves as a guide. Note: Complete user information (<i>User's Guide</i> or <i>Mac Help</i>) can be found on the installation software CDs.
6	<i>Quick Setup</i> sheet	Initial setup directions
7	Installation cable	Connects the printer to the computer temporarily during some methods of installation.

Understanding the parts of the printer



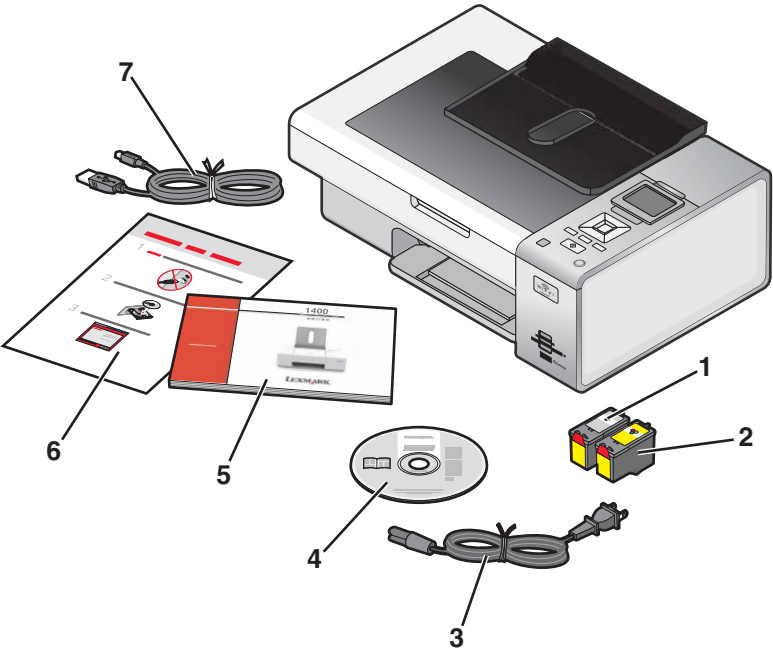
	Use the	To
1	Paper support	Load paper.
2	Control panel display	View menus.
3	Control panel	Operate the printer. For more information, see “Using the control panel” on page 26.
4	Wi-Fi indicator	Check wireless status: <ul style="list-style-type: none"> • Off—Indicates that no wireless option is installed. • Orange—Indicates that the printer is ready for wireless connection, but not connected. • Orange blinking—Indicates that the printer is configured but unable to communicate with the wireless network. • Green—Indicates that the printer is connected to a wireless network.
5	Memory card slots	Insert a memory card.
6	PictBridge port	Connect a PictBridge-enabled digital camera or a flash drive to the printer.
7	Paper exit tray	Hold paper as it exits.
8	Top cover	Access the scanner glass.
9	Paper feed guard	Prevent items from falling into the paper slot.
10	Paper guide	Keep paper straight when feeding.
11	Scanner glass	Copy or remove an item.



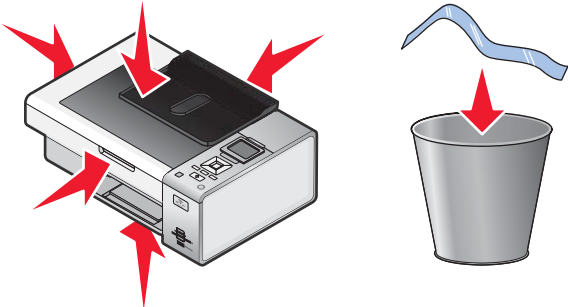
	Use the	To
1	Scanner unit	Access the print cartridges.
2	Print cartridge carrier	Install, replace, or remove a print cartridge.
3	Lexmark N2050 (internal wireless print server)	Connect the printer to a wireless network.
4	USB port	Connect the printer to a computer using a USB cable. Warning: Do not touch the USB port except when plugging in or removing a USB cable or installation cable.
5	Duplex cover	<ul style="list-style-type: none"> • Print on both sides of the paper • Remove paper jams. For more information, see “Paper jam in the duplex unit” on page 139.
6	Power supply with port	Connect the printer to a power source. 

Standalone setup

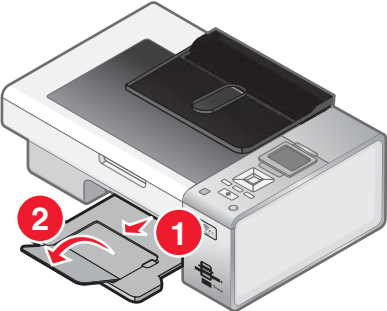
1 Unpack the printer.



2 Remove all tape and packing material from all areas of the printer.



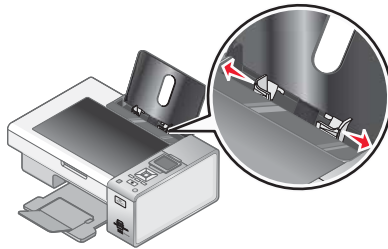
3 Extend the paper exit tray.



4 Raise the paper support.



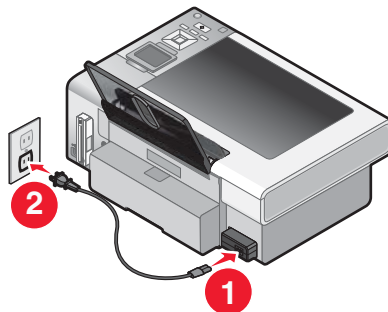
5 Extend the paper guides.



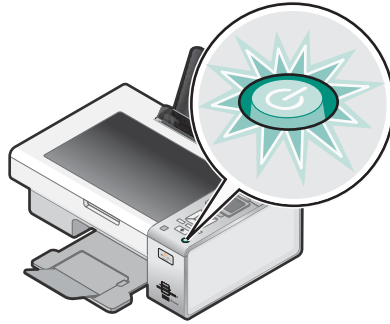
6 Load paper.



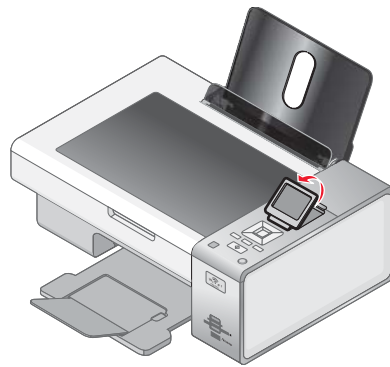
7 Connect the power cord.



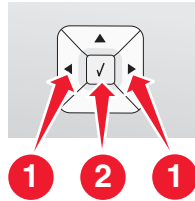
8 Make sure the power is on.



9 Raise the control panel display.

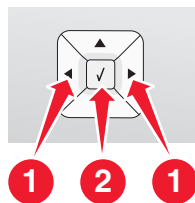


10 If prompted, set the language.



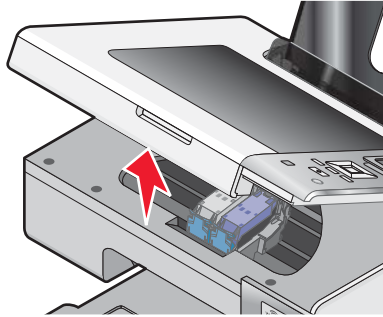
- a** Using the control panel of the printer, press ◀ or ▶ repeatedly until the language you want appears on the display.
- b** Press ✓ to save.

11 If prompted, set the country/region.

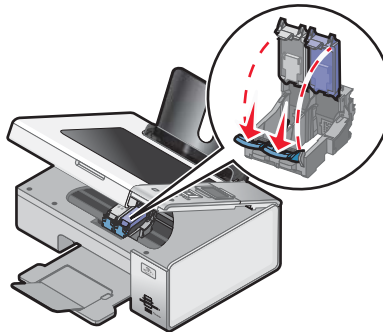


- a** Using the control panel of the printer, press ◀ or ▶ repeatedly until the country/region you want appears on the display.
- b** Press ✓ to save.

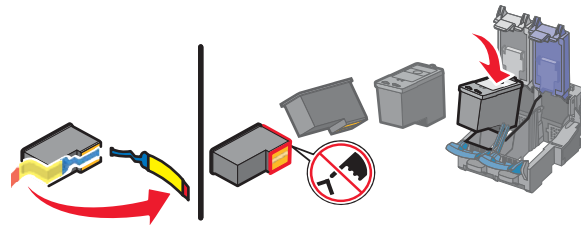
12 Open the printer.



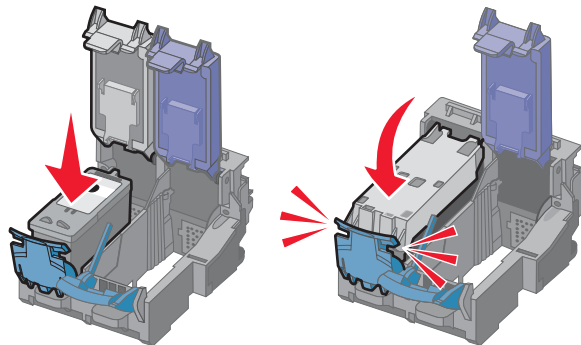
13 Press down on the levers.



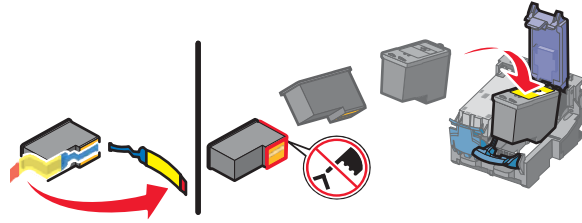
14 Remove the tape from the black cartridge, and insert the cartridge in the left carrier.



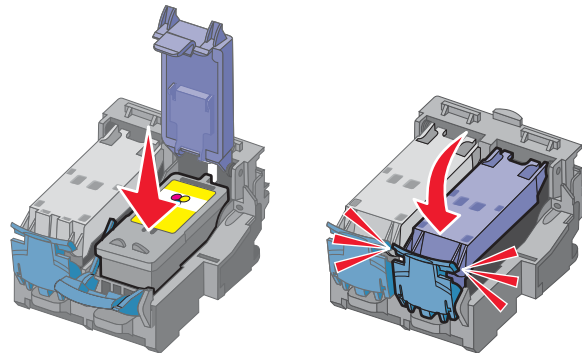
15 Close the black cartridge carrier lid.



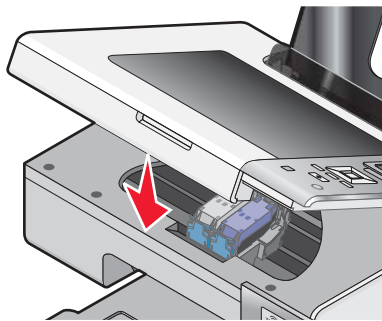
16 Remove the tape from the color cartridge, and insert the cartridge in the right carrier.



17 Close the color cartridge carrier lid.



18 Close the printer.



19 Press \checkmark .



An alignment page prints.

20 Discard the alignment page.




Notes:

- The alignment page may differ from the one shown.
- Streaks on the alignment page are normal, and do not indicate a problem.





Understanding the printer software





Using the software that installed with your printer, you can edit photos, send faxes, maintain your printer, and do many other tasks. The following is an overview of features of the Productivity Studio and the Solution Center.

To open the Productivity Studio Welcome Screen, use one of these methods:

Method 1	Method 2
From the desktop, double-click the Productivity Studio icon.	<ol style="list-style-type: none"> 1 Do one of the following: <ul style="list-style-type: none"> • In Windows Vista, click . • In Windows XP and earlier, click Start. 2 Click Programs or All Programs → Lexmark 4800 Series. 3 Select Productivity Studio.

Click the **Productivity Studio** icon for the task you want to complete. Depending on the printer you have, some of the features of this software may not be applicable.


Click	To	Details
	Scan	<ul style="list-style-type: none"> • Scan a photo or document. • Save, edit, or share a photo or document.
	Copy	<ul style="list-style-type: none"> • Copy a photo or document. • Reprint or enlarge a photo.
	Fax	Send a photo or document as a fax.
	E-mail	Send a photo or document as an attachment to an e-mail message.





Click	To	Details
	Transfer Photos	Download photos from a memory card, flash drive, CD, or digital camera to the Library.
	Photo Greeting Cards	Make quality greeting cards from your photos.
	Photo Packages	Print multiple photos in various sizes.
	Poster	Print a photo as a multiple-page poster.

At the bottom left corner of the Welcome Screen, there are two Settings choices:

Click	To
Printer Status and Maintenance	<ul style="list-style-type: none"> • Open the Solution Center. • Check ink levels. • Order print cartridges. • Find maintenance information. • Select other Solution Center tabs for more information, including how to change printer settings and troubleshooting.
Fax History and Settings	Select printer fax settings for: <ul style="list-style-type: none"> • Dialing and Sending • Ringing and Answering • Fax Printing/Reports • Speed Dial and Group Dial numbers

The Solution Center is a complete guide to such printing features as printing photos, troubleshooting printing problems, installing print cartridges, and performing maintenance tasks. To open the Solution Center, use one of the following methods.

Method 1	Method 2
<ol style="list-style-type: none"> 1 From the desktop, double-click on the Solution Center icon. 2 Click Setup and diagnose printer. The Solution Center appears with the Maintenance tab open. 	<ol style="list-style-type: none"> 1 Do one of the following: <ul style="list-style-type: none"> • In Windows Vista, click . • In Windows XP and earlier, click Start. 2 Click Programs or All Programs → Lexmark 4800 Series. 3 Select Solution Center.












From here	You can:
How To 	<ul style="list-style-type: none"> • Learn how to: <ul style="list-style-type: none"> – Use basic features. – Print, scan, copy, and fax. – Print projects such as photos, envelopes, cards, banners, iron-on transfers, and transparencies. • Find the electronic <i>User's Guide</i> for more information. • View ink levels and order new print cartridges.
Troubleshooting 	<ul style="list-style-type: none"> • Learn tips about the current status. • Solve printer problems. • View ink levels and order new print cartridges.
Advanced 	<ul style="list-style-type: none"> • Change the appearance of the Printing Status window. • Turn printing voice notification on or off. • Change network printing settings. • Share information with us regarding how you use the printer. • Obtain software version information. • View ink levels and order new print cartridges.
Maintenance 	<ul style="list-style-type: none"> • Install a new print cartridge. Note: Wait until scanning is complete before installing a new print cartridge. • Order new print cartridges. • Print a test page. • Clean print cartridges to fix horizontal streaks. • Align print cartridges to fix blurry edges. • View ink levels. • Troubleshoot other ink problems.

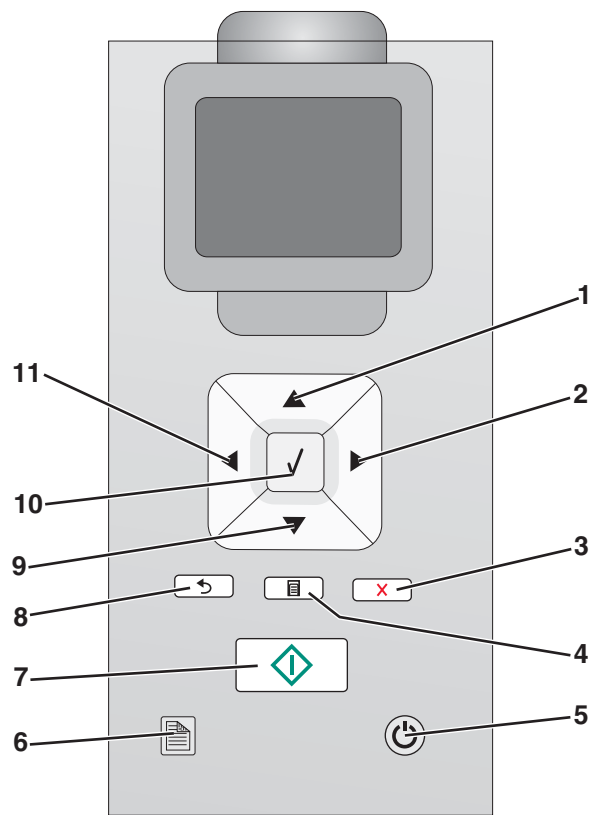
Understanding the control panel

Using the control panel

The display shows:

- Mode indicators
- Main menu art messages
- Icons
- Ink cartridge levels

	Mode	Main Menu Area Message
1		<ul style="list-style-type: none"> • Scroll through submenus. • Increase the numbers of copies to be printed.
2		<ul style="list-style-type: none"> • Scroll through menus, submenus, or settings on the display. • Increase a number.
3		<ul style="list-style-type: none"> • Cancel a print, copy, or scan job in progress. • Exit a menu or submenu, and return to the default copy, scan, or photo card screen. • Clear current settings or error messages, and return to default settings.
4		<p>Display the Copy, Photo, Print files, Scan, Setup, and Maintenance menu, depending on which mode is selected.</p> <p>Selects submenus (such as the Photo Menu when viewing photos).</p>
5		<ul style="list-style-type: none"> • Turn the printer on and off. • Stop the print, copy, or scan process.
6		<p>Select for duplex (two-sided) printing.</p> <p>Note: This button is not functional with a Macintosh operating system. You can print two-sided documents with a Macintosh operating system by using the settings in the Two-Sided menu of the Print dialog.</p>
7		Start a copy, scan, or photo print job, depending on which mode is selected.
8		<ul style="list-style-type: none"> • Save temporary settings. • Return to the previous screen.
9		<ul style="list-style-type: none"> • Scroll through submenus. • Decrease the number of copies to be printed.
10		<ul style="list-style-type: none"> • Choose a menu or submenu item that appears on the display. • Save settings. • Feed or eject paper. • In Photo mode, select or deselect a photo.
11		<ul style="list-style-type: none"> • Scroll through menus, submenus, or settings on the display. • Decrease a number.



Navigating the control panel menus

The main menu consists of these items:

- **Copy**
- **Photo**
- **Print Files**
- **Scan**
- **Setup**
- **Maintenance**

1 Press ▲ or ▼ repeatedly until the item you want is highlighted.




2 Press ✓.


The menu that matches the previously highlighted item appears:

- **Copy Mode** menu
- **Photo Card Mode** menu
- **Print Files Mode** menu
- **Scan Mode** menu
- **Setup** menu
- **Maintenance** menu

Within each of these menus are menu items or submenus. For instance, the **Copy Mode** menu has a menu item called **Color**.

Within each menu item or submenu, there are choices called *values*. For instance, the **Color** menu item has values of **Color** and **Black & White**.


- Press ▲ or ▼ repeatedly to scroll through menu items or submenus.
- Press ◀ or ▶ repeatedly to scroll through values.
- In some menus, you can press ✓ to see a preview of the job before you start it. A *job* could be a print job, copy job, or scan job. The control panel menu screen indicates when you can press ✓ for a preview.
- Before starting a job, if you want to make a change after you see the preview, press  to adjust any choices or settings for this single job. It returns you to the menu so you can make changes. For example, if you were in the **Copy Mode** menu, press ✓ for the preview. Press  to return to the **Copy Mode** menu to make additional changes.
- Press  repeatedly to return to previous menus.

Pressing  in some submenus, such as the **Change Default Settings** submenu, causes the values you selected to be saved. For more information, see “Understanding and using default settings” on page 28.


Understanding and using default settings

Saved settings are called *user default settings* because you, the user, selected the values and saved them. The control panel refers to them as *default settings*.

Notes:

- An asterisk (*) appears next to a default setting. You may notice these when you scroll through the values in submenus.
- Default settings remain in effect until you change them. To change them, access the **Change Default Settings** submenu again for the appropriate menu, choose different value selections, and then press  to save these values as the new default settings.

If you want to start a job without making any changes, press . The job prints based on the default settings. This is an easy and quick way to start printing any job.


Note: If you do *not* want to use the default settings, you can enter the menu, make different choices for the values in the submenus, and then press . Your job prints using the values you chose for this job only.

Saving settings

In a setting menu, an * appears next to the default setting. To change the setting:

- 1 From the control panel, press ▲ or ▼ repeatedly to choose **Copy**, **Photo**, **Print Files**, **Scan**, **Setup**, or **Maintenance**.
- 2 Press ✓.
- 3 Press ▲ or ▼, or press ◀ or ▶ repeatedly to choose the setting you want.
- 4 Press ✓ to select each setting you want.

Note: Pressing ✓ also shows a preview in the **Copy** mode.

- 5 Press ✓ while **yes** is highlighted, or press  repeatedly to save all temporary settings and return to the main menu. An * appears next to the saved setting.

Note: The printer reverts to the default setting after two minutes of inactivity or if the printer is turned off. The Photo settings will not time out after two minutes of inactivity or turning off the power but will return to the default settings when a memory card or flash drive is removed.

Installing the printer software

Using the installation software CD (Windows users only)

Using the CD that came with the printer:

- 1 Start Windows.
- 2 When the desktop appears, insert the software CD.
The software installation screen appears.
- 3 Click **Install**.

Using the installation software CD (Macintosh users only)

- 1 Close all open software applications.
- 2 Insert the software CD.
- 3 From the Finder desktop, double-click the printer CD icon that automatically appears.
- 4 Double-click the **Install** icon.
- 5 Follow the instructions on the computer screen.

Using the World Wide Web

- 1 Go to the Lexmark Web site at **www.lexmark.com**.
- 2 From the home page, navigate through the menu selection, and then click **Drivers & Downloads**.
- 3 Choose the printer and the printer driver for your operating system.
- 4 Follow the instructions on the computer screen to download the driver and install the printer software.

What do the Wi-Fi indicator lights mean?

- **Off** indicates that the printer is not turned on, or a wireless print server is not installed.

Select this option:

- If you want to connect the printer to the computer using a USB cable.
- If the printer does not have a wireless print server installed and you want to connect the printer to the computer using a USB cable.

- **Orange** indicates that the printer is ready to be configured for wireless printing, but it is not connected to a wireless network.

Select this option if you want to set up the printer on your wireless network.

- **Orange blinking** indicates that the printer is configured, but it is unable to communicate with the wireless network.

Select this option if you want to modify the wireless settings of the printer.


- **Green** indicates that the printer is connected to a wireless network.

Select this option to start using the printer that is already set up on your wireless network.

Turning printing voice notification on or off

The printer has a voice notification feature that tells you when printing starts and when it is completed.

To turn the voice notification on or off:

- 1 Do one of the following:
 - In Windows Vista, click .
 - In Windows XP and earlier, click **Start**.
- 2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.
- 3 Click **Solution Center**.
- 4 Click **Advanced**.
- 5 Click **Printing Status**.
- 6 Select or clear **Play voice notification for printing events**.
- 7 Click **OK**.

Security Information

Third-party applications, including anti-virus, security, and firewall programs may alert you about the printer software being installed. For your printer to work properly, allow the printer software to run on your computer.

Networking

General networking

Networking overview

A *network* is a collection of devices such as computers, printers, Ethernet hubs, wireless access points, and routers connected together for communication through cables or through a wireless connection. A network can be either wired, wireless, or designed to have both wired and wireless devices.

Devices on a wired network use cables to communicate with each other.

Devices on a wireless network use radio waves instead of cables to communicate with each other. For a device to be able to communicate wirelessly, it must have a wireless print server attached or installed that enables it to receive and transmit radio waves.

Common home network configurations

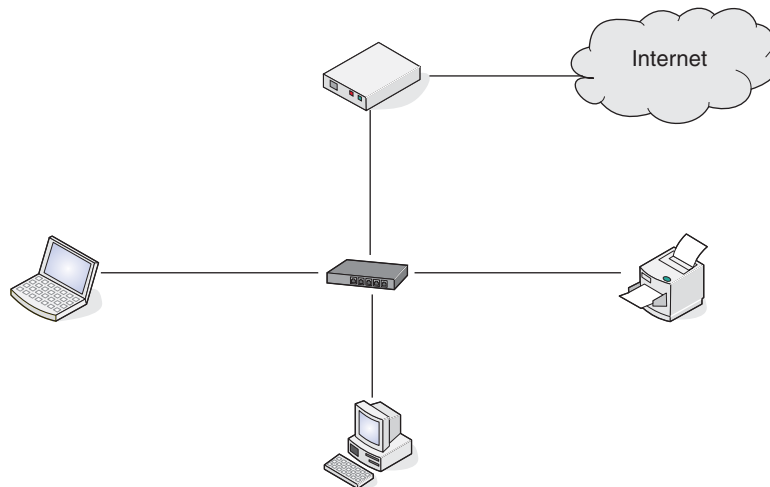
For desktop computers, laptops, and printers to communicate with each other over a network, they must be connected by cables and/or have wireless network adapters built in or installed in them.

There are different ways a network can be set up. Five common examples appear below.

Note: The printers in the following diagrams represent Lexmark printers with Lexmark internal print servers built in or installed in them so that they can communicate over a network. Lexmark internal print servers are devices made by Lexmark to enable Lexmark printers to be connected to wired or wireless networks.

Wired network example

- A computer, a laptop, and a printer are connected by Ethernet cables to a hub, router, or switch.
- The network is connected to the Internet through a DSL or a cable modem.



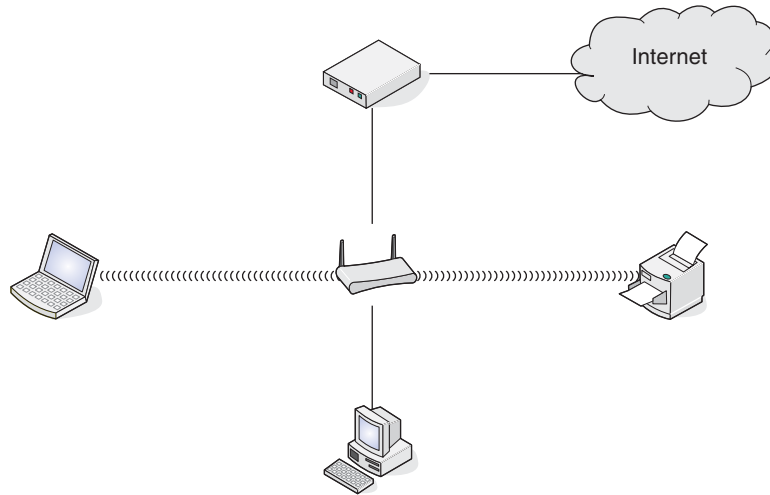
Wireless network examples

Four common wireless networks appear below:

- Scenario 1: Laptop and printer connected wirelessly with Internet
- Scenario 2: Computer, laptop, and printer connected wirelessly with Internet
- Scenario 3: Computer, laptop, and printer connected wirelessly without Internet
- Scenario 4: Laptop connected wirelessly to printer without Internet

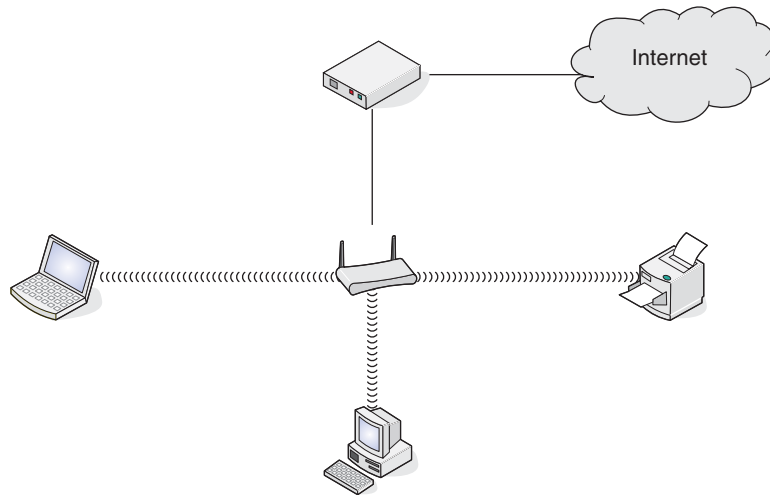
Scenario 1: Laptop and printer connected wirelessly with Internet

- A computer is connected to a wireless router by an Ethernet cable.
- A laptop and a printer are connected wirelessly to the router.
- The network is connected to the Internet through a DSL or a cable modem.



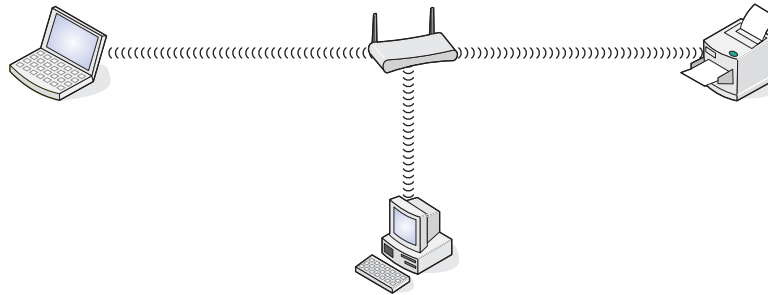
Scenario 2: Computer, laptop, and printer connected wirelessly with Internet

- A computer, a laptop, and a printer are connected wirelessly to a wireless router.
- The network is connected to the Internet through a DSL or a cable modem.



Scenario 3: Computer, laptop, and printer connected wirelessly without Internet

- A computer, a laptop, and a printer are connected wirelessly to a wireless access point.
- The network has no connection to the Internet.



Scenario 4: Laptop connected wirelessly to printer without Internet

- A laptop is directly connected wirelessly to a printer without going through a wireless router.
- The network has no connection to the Internet.



What information do I need and where do I find it?

This printer may contain an internal wireless print server, which allows the printer to be used on a wireless network. You need the following settings from your existing wireless network:

- The network name, also known as the SSID
- The wireless mode (the type of wireless network you are using, either infrastructure or ad hoc)
- The type of security used on the network (WEP, WPA, or WPA2)
- Any applicable security keys or passwords used with the network security encryption type

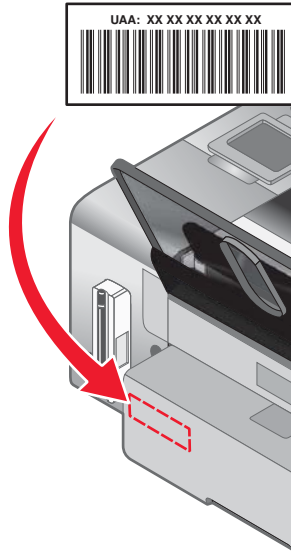
Note: You must know this information in order to properly set up the printer for use on the wireless network. To obtain these settings, see the documentation that came with your wireless router or consult the person who set up your wireless network.

Finding the MAC address

Most network equipment has a unique hardware identification number to distinguish it from other devices on the network. This is called the *Media Access Control (MAC)* address.

If your printer has a factory installed internal wireless print server, the MAC address is a series of letters and numbers located on the back of your printer.

If you purchased the internal wireless print server separately, the MAC address appears on an adhesive label that came with the wireless print server. Attach the adhesive label to your printer so you will be able to find the MAC address when you need it.



Note: A list of MAC addresses can be set on a router so that only devices with matching MAC addresses can be allowed to operate on the network. This is called *MAC filtering*. If MAC filtering is enabled in your router and you want to add a printer to your network, the MAC address of the printer must be included in the MAC filter list.

Printing a network setup page

A network setup page lists your network configuration settings.

Note: You can print a network setup page only when an internal wireless print server is installed in the printer.

To print a network setup page:

- 1 From the control panel of the printer, press ▲ or ▼ repeatedly until **Setup** is highlighted.
- 2 Press ✓.
- 3 Press ▲ or ▼ repeatedly until **Network Setup** is highlighted.
- 4 Press ✓.
- 5 Press ▲ or ▼ repeatedly until **Print Network Setup Page** is highlighted.
- 6 Press ✓

A network setup page prints.

Sharing a printer in a Windows environment

- 1 Prepare the computers to share the printer.
 - a Make all computers printing to the printer accessible through Network Neighborhood by enabling File and Print Sharing. See the Windows documentation for detailed instructions.
 - b Install the printer software on all computers that will print to the printer.
- 2 Identify the printer.

On the computer that is attached to the printer:

- a Click **Start → Settings → Printers or Printers and Faxes**.
- b Right-click the **Lexmark 4800 Series** icon.
- c Click **Sharing**.
- d Click **Shared As**, and give the printer a distinctive name.
- e Click **OK**.

3 Locate the printer from the remote computer.

Note: The remote computer is the one that is not attached to the printer.

Windows 2000 or Windows XP users only:

- a Click **Start → Settings → Printers and Faxes**.
- b Right-click the **Lexmark 4800 Series** icon.
- c Click **Properties**.
- d Click the **Ports** tab, and then click **Add Port...**
- e Select **Local Port**, and then click **New Port...**
- f Enter the **Universal Naming Convention (UNC) Port name** which consists of the server name and the distinctive printer name that was specified in step 2 on page 34. The name should be in the form **\\server\printer**.
- g Click **OK**.
- h Click **Close** on the Printer Ports dialog box.
- i Make sure the new port is selected on the Ports tab, and then click **Apply**.
The new port is listed with the printer name.
- j Click **OK**.

Finding a printer/print server located on remote subnets

The printer software CD can automatically find the printers that are located on the same network as the computer. If the printer and print server are located on another network (called a subnet), you must manually enter an IP address during printer software installation.

Wireless networking


Finding IP addresses

An IP address is a unique number used by devices on an IP network to locate and communicate with each other. Devices on an IP network can only communicate with each other if they have unique and valid IP addresses. A unique IP address means no two devices on the same network have the same IP address.

How to locate a printer IP address

You can locate the printer IP address by printing out the printer network setup page. For more information, see "Printing a network setup page" on page 34.

How to locate a computer IP address

- 1 Do one of the following:
 - In Windows Vista, click  → **All Programs → Accessories → Command Prompt**.
 - In Windows XP, click **Start → Programs or All Programs → Accessories → Command Prompt**.
- 2 Type **ipconfig**.

3 Press **Enter**.

The IP address appears as four sets of numbers separated by periods, such as 192.168.0.100.

Assigning an IP address

An IP address may be assigned by the network using DHCP. The print object, created at the end of the installation, sends all print jobs across the network to the printer using this address.

Many networks have the ability to automatically assign an IP address. Auto-IP is the ability for individual devices to assign themselves a unique IP address. Most networks use DHCP to assign addresses.

During the Direct IP printing installation of printer software, the IP address is visible in the printer list only as it is being assigned. The print object that is created in the Printers folder of the operating system will reference the MAC address of the printer in the port name.

If the IP address is not automatically assigned, you can try manually entering an address after selecting your printer from the available list.

Configure IP address

If you have lost communication with the printer over a network, select **Use DHCP** to reestablish communication with the printer.

You must assign an IP address in any of the following situations:

- You manually assigned IP addresses for the other network devices.
- You want to assign a specific IP address.
- You move the printer to a remote subnet.
- The printer is listed as **Unconfigured** in the Configuration Utility.

Contact your system support person for more information.

Finding the signal strength

Wireless devices have built-in antennas that transmit and receive radio signals. The signal strength listed on the printer network setup page indicates how strongly a transmitted signal is being received. Many factors can affect the signal strength. One factor is interference from other wireless devices or even other devices such as microwave ovens. Another factor is distance. The farther two wireless devices are from each other, the more likely it is that the communication signal will be weaker.

Installing the printer on a network

Follow the instructions for the networking method you want to use. Make sure the selected network is set up and working properly, and that all relevant devices are turned on. For more information on your specific network, see your network documentation or consult the person who set up the network.

Sharing the printer on a network

Sharing the printer on the network (on the host computer)

Windows Vista users only:

- 1 For more information, see the setup information that came with your printer.
- 2 Click **Start icon → Control Panel → Printers**.
- 3 Right-click your printer icon, and select **Sharing**.
- 4 Click **Change sharing options**.
- 5 Click **Continue**.

- 6 Click **Share this printer**, and assign a name to your printer.
- 7 Follow the directions on the computer screen until installation is complete.

Windows 2000 or Windows XP users only:

- 1 For more information, see the setup information that came with your printer.
- 2 Click **Start → Settings → Printers**.
- 3 Right-click your printer icon, and select **Sharing**.
- 4 Click **Shared as**, and assign a name to your printer.
- 5 Follow the directions on the computer screen until installation is complete.

Installing the shared printer on other network computers (on the client computers)

Using the peer-to-peer method	Using the point-and-print method
<ol style="list-style-type: none"> 1 Go to a network computer that you want to enable to print to the shared printer. 2 Insert the printer software CD. 3 Agree to the license agreement, and then click Next. 4 Select Manual Setup. 5 From the Network Printer Setup dialog, select the Peer-to-Peer client option, and then click Next. 6 Select the appropriate printer from the list, and then click Next. 7 Select the software you want to install, and then click Next. 8 When setup is complete, click Finished. 9 Repeat this procedure for each network computer you want to access the shared printer. 	<ol style="list-style-type: none"> 1 Go to a network computer that you want to enable to print to the shared printer. 2 Browse the Network Neighborhood until you find the name of the shared printer assigned in step 4 on page 37. 3 Right-click the printer icon, and select Open or Connect. 4 This will copy a subset of the printer software from the host computer. A printer object will be created in the Printers folder of the client.

Configure network printers

Configure

To configure a network printer, select a printer from the list in the window. Click **Configure** to assign the printer an Internet Protocol (IP) address. Contact your system support person for more information.

Add printers

Specify remote subnets that may have direct network attached printers. If the software detects a direct network attached printer, you must first highlight the printer in the window, and then click **Configure** to manually assign an IP address to the printer. Contact your system support person for more information.

Note: The software does not automatically configure printers found on remote subnets.

Refresh

Click **Refresh** to have the Configuration Utility automatically search to find and configure newly added printers.

Types of wireless networks

Networks can operate in one of two modes: infrastructure or ad hoc. Lexmark recommends setting up a network in infrastructure mode using the installation CD that came with the printer.

A wireless network where each device communicates with others through a wireless access point (wireless router) is set up in infrastructure mode. All devices must have valid IP addresses and share the same SSID and channel. In addition, they must share the same SSID and channel as the wireless access point (wireless router).

A simple type of wireless network is one where a PC with a wireless adapter communicates directly with a printer equipped for wireless networking. This mode of communication is called *ad hoc*. A device in this type of network must have a valid IP address and be set to ad hoc mode. The wireless print server must also be configured with the same SSID and channel.

	Infrastructure	Ad hoc
Characteristics		
Communication	Through wireless access point (wireless router)	Directly between devices
Security	More security options	
Range	Determined by range and number of access points	Restricted to range of individual devices on network
Speed	Usually faster	Usually slower
Requirements for all devices on the network		
Unique IP address for each device	Yes	Yes
Mode set to	Infrastructure mode	Ad hoc mode
Same SSID	Yes, including the wireless access point (wireless router)	Yes
Same channel	Yes, including the wireless access point (wireless router)	Yes

Infrastructure mode is the recommended setup method because it has:

- Increased network security
- Increased reliability
- Faster performance
- Easier setup

Tips for using network adapters

- Make sure the adapter connections are secure.
- Make sure the computer is turned on.
- Make sure you entered the correct IP address.


Advanced wireless setup

Creating an ad hoc wireless network using Windows

The recommended way to set up your wireless network is to use a wireless access point (wireless router). A network set up this way is called an *infrastructure network*. If you have an infrastructure network in your home, you should configure your printer for use on that network.

If you don't have a wireless access point (wireless router) or would like to set up a standalone network between your printer and a computer with a wireless network adapter, you can set up an *ad hoc network*.

For Windows Vista users

- 1 Click  → **Control Panel** → **Network and Internet**.
- 2 Under Network and Sharing Center, click **Connect to a Network**.
- 3 In the Connect to a Network dialog, click **Set up a wireless ad-hoc (computer-to-computer) network**, and then click **Next**.
- 4 Follow the instructions in the “Set up a wireless ad hoc network” wizard. As part of the setup:
 - a Create a network name or SSID for the network between the computer and your printer.
 - b Write the name of your network in the space provided. Be sure to use the exact spelling and capitalization.
 - c Go to the Security Type drop-down, choose WEP, and create a security key (or password).
Note: WEP passwords must be either 5 or 13 characters.
 - d Write the password for your network in the space provided. Be sure to use the exact spelling and capitalization.

Windows Vista will enable the ad hoc network for you. It will appear in the “Connect to a network” dialog under available networks, indicating that the computer is configured for the ad hoc network.

- 5 Close the Control Panel and any remaining windows.
- 6 Insert the printer CD into the computer and follow the direction for wireless installation.
- 7 When the available networks are displayed, provide the network name and the security information you created in step 4. The installer will configure the printer for use with the computer.
- 8 Store a copy of your network name and security information in a safe place for future reference.

For Windows XP users

- 1 Click **Start** → **Settings** → **Control Panel** → **Network Connections**.
- 2 Right-click **Wireless Network Connections**.
- 3 If **Enable** appears in the pop-up menu, click it.
Note: If Enable does not appear, your wireless connection is already enabled.
- 4 Right-click the **Wireless Network Connection** icon.
- 5 Click **Properties**.
- 6 Click the **Wireless Networks** tab.

Note: If the Wireless Networks tab does not appear, your computer has third-party software that controls your wireless settings. You must use that software to set up the ad hoc wireless network. For more information, see the documentation for that software to learn how to create an ad hoc network.

- 7 Select the **Use Windows to configure my wireless network settings** check box.
- 8 Under Preferred Networks, delete any existing networks.
 - a Click the network to be removed.
 - b Click the **Remove** button.
- 9 Click **Add** to create an ad hoc network.
- 10 In the **Network Name (SSID)** box, type the name you want to give your wireless network.
- 11 Write down the network name you chose so you can refer to it when running the wireless setup. Make sure you copy it down exactly, including capital letters.
- 12 If **Network Authentication** appears in the list, select **Open**.
- 13 In the **Data encryption** list, select **WEP**.
- 14 If necessary, deselect the **The key is provided for me automatically** check box.
- 15 In the **Network Key** box, type in a security code.
- 16 Write down the security code you chose so you can refer to it when running the wireless setup. Make sure you copy it down exactly, including any capital letters.

Note: For more information about passwords (security keys), see “Check your security keys” in the “Wireless troubleshooting” section of the “Troubleshooting” chapter.
- 17 Type the same security code in the **Confirm network key** box.
- 18 Select the **This is a computer-to-computer (ad hoc) network; wireless access points are not used.** check box.
- 19 Click **OK** twice to close the two open windows.
- 20 It may take a few minutes for your computer to recognize the new settings. To check on the status of your network:
 - a Right-click the **Wireless Network Connections** icon.
 - b Select **View Available Wireless Networks**.
 - If the network is listed but the computer is not connected, select the ad hoc network and then click the **Connect** button.
 - If the network does not appear, wait a minute and then click the **Refresh network list** button.
- 21 Click **Programs** or **All Programs → Lexmark 4800 Series**.
- 22 Click **Wireless Setup Utility**.

Note: You may be prompted to connect the printer to the computer again using the installation cable as part of the setup process.
- 23 Follow the prompts on the computer screen.
- 24 Store your network name and security code in a safe place for future reference.

Adding a printer to an existing ad hoc wireless network using Windows

- 1 Click **Programs** or **All Programs → Lexmark 4800 Series**.
- 2 Click **Wireless Setup**.
- 3 Follow the instructions on the computer screen.

Loading paper and original documents

Loading paper

- 1 Make sure:
 - You use paper designed for inkjet printers.
 - If you are using photo, glossy, or heavyweight matte paper, you load it with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
 - The paper is not used or damaged.
 - If you are using specialty paper, you follow the instructions that came with it.
 - You do not force paper into the printer.
- 2 Before loading paper the first time, slide the paper guides out toward the edges of the paper support. You can load up to:
 - 100 sheets of plain paper
 - 25 sheets of heavyweight matte paper
 - 25 sheets of photo paper
 - 25 sheets of glossy paper

Note: Photos require more drying time. Remove each photo as it exits, and allow it to dry to avoid ink smudging.
- 3 Load the paper vertically in the center of the paper support, and adjust the paper guides to rest against the edges of the paper.



Note: To avoid paper jams, make sure the paper does not buckle when you adjust the paper guides.

Using the automatic paper type sensor

The printer is equipped with an automatic paper type sensing device. The Paper Type Sensor automatically detects the type of paper that has been loaded into the printer and adjusts the settings for you. For example, if you want to print a photo, load photo paper into the printer. The printer detects the type of paper and automatically adjusts the settings to give you optimum photo-printing results.

Loading envelopes

You can load up to 10 envelopes at a time.

Warning: Do not use envelopes that have metal clasps, string ties, or metal folding bars.

- 1 Load envelopes in the center of the paper support with the stamp location in the upper left corner.
- 2 Make sure:
 - The print side of the envelopes faces you.
 - The envelopes are designed for use with inkjet printers.

- The paper guides rest against the edges of the envelopes.



Notes:

- Do not load envelopes with holes, perforations, cutouts, or deep embossing.
- Do not use envelopes that have exposed flap adhesive.
- Envelopes require more drying time. Remove each envelope as it exits, and allow it to dry to avoid ink smudging.

Loading labels

You can load up to 25 sheets of labels at a time.

1 Load labels with the print side facing you and the top of the sheet fed into the printer first.

2 Make sure:

- The print side of the labels faces you.
- The top of the labels feeds into the printer first.
- The adhesive on the labels does not extend to within 1 mm of the edge of the labels.
- You use full label sheets. Partial sheets (with areas exposed by missing labels) may cause labels to peel off during printing, resulting in a paper jam.
- The labels are loaded in the center of the paper support.
- The paper guides rest against the edges of the labels.

Note: Labels require more drying time. Remove each sheet of labels as it exits, and allow it to dry to avoid ink smudging.

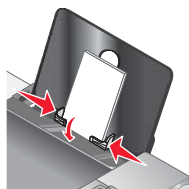
Loading greeting cards, index cards, photo cards, and postcards

You can load up to 25 greeting cards, index cards, photo cards, or postcards at a time.

1 Load cards with the print side facing you.

2 Make sure:

- The cards are loaded in the center of the paper support.
- The paper guides rest against the edges of the cards.



Note: Photo cards require more drying time. Remove each photo card as it exits, and allow it to dry to avoid ink smudging.

Loading transparencies

You can load up to 50 transparencies at a time.

- 1 Load transparencies with the rough side facing you. If the transparencies have a removable strip, each strip should face away from you and down toward the printer.
- 2 Make sure:
 - The transparencies are loaded in the center of the paper support.
 - The paper guides rest against the edges of the transparencies.

Notes:

- Transparencies with paper backing sheets are not recommended.
- Transparencies require more drying time. Remove each transparency as it exits, and allow it to dry to avoid ink smudging.

Loading iron-on transfers

You can load up to 10 iron-on transfers at once, but you will achieve best results loading them one at a time.

- 1 Load iron-on transfers with the print side of the transfer facing you.
- 2 Make sure:
 - You follow the loading instructions that came with the iron-on transfers.
 - The transfers are loaded in the center of the paper support.
 - The paper guides rest against the edges of the transfers.

Loading custom-size paper

You can load up to 100 sheets of custom-size paper at a time.

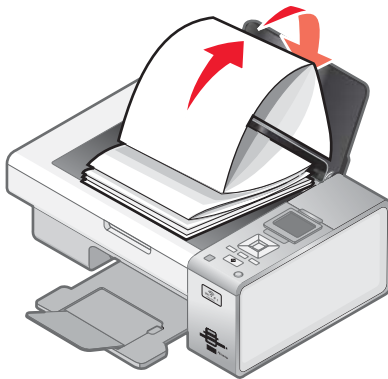
- 1 Load paper with the print side facing you.
- 2 Make sure:
 - The paper size fits within these dimensions:
 - Width:
 - 76.0–216.0 mm
 - 3.0–8.5 inches
 - Length:
 - 127.0–432.0 mm
 - 5.0–17.0 inches
 - The stack height does not exceed 10 mm.
 - The paper is loaded in the center of the paper support.
 - The paper guides rest against the edges of the paper.

Loading banner paper

You can load up to 20 sheets of banner paper at a time.

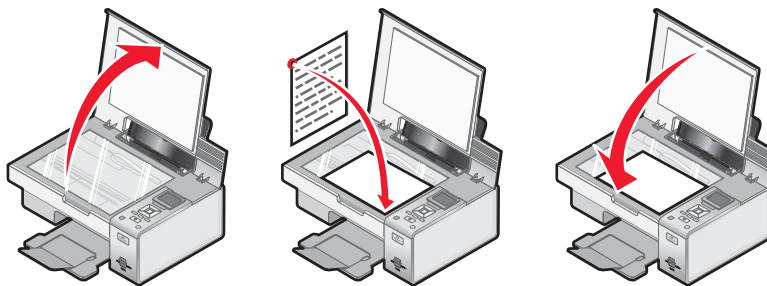
- 1 Remove all paper from the paper support before loading the banner paper.
- 2 Tear off only the number of pages needed to print the banner.

- 3 Place the required stack of banner paper on the top cover.
- 4 Feed the leading edge of the banner paper into the printer first.



- 5 Make sure:
 - The paper is loaded in the center of the paper support.
 - The paper guides rest against the edges of the paper.


Loading original documents on the scanner glass



You can copy, scan, and print photos, text documents, magazine articles, newspapers, and other publications. You can also scan a document for faxing.

- 1 Make sure the printer is on.
- 2 Open the top cover.
- 3 Place the original document facedown on the scanner glass in the lower right corner.
- 4 Close the top cover to avoid dark edges on the scanned image.

Using the Paper Handling submenu

- 1 From the **Setup** menu, press ▲ or ▼ repeatedly until **Paper Handling** is highlighted.
- 2 Press √.
- 3 After changing values, press  to save these values and exit this submenu.

Use this	To
Size	Set the paper size.
Type	Specify paper type.

Printing

Printing basic documents

Printing a document

- 1 Load paper.
- 2 With a document open, click **File → Print**.
- 3 Click **Properties, Preferences, Options, or Setup**.
- 4 Adjust the settings.
- 5 Click **OK**.
- 6 Click **OK** or **Print**.

Printing a Web page

You can use the Toolbar to create a printer-friendly version of any Web page.



- 1 Load paper.
- 2 Open a Web page using Microsoft Internet Explorer 5.5 or later.
- 3 If you want to check or change your print settings:
 - a From the toolbar area, click **Lexmark → Page Setup**.
 - b Adjust the print settings.
 - c Click **OK**.
- 4 If you want to view the Web page before printing:
 - a Click **Preview**.
 - b Use the toolbar options to scroll between pages, zoom in or out, or select whether to print text and images or text only.
 - c Click:
 - **Print** in the Print Preview window, then click **Print** in the Print dialog that opens
or
 - **Close**, and continue to the next step.
- 5 If needed, select a print option from the Toolbar:
 - **Normal**
 - **Quick**
 - **Black and White**
 - **Text Only**

Printing photos or images from a Web page

- 1 Load paper. For best results, use photo or heavyweight matte paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- 2 Open a Web page with Microsoft Internet Explorer 5.5 or later.
On the Toolbar, the number of photos valid for printing appears next to Photos.



- 3 If no number appears next to Photos:
 - a From the Lexmark logo drop-down menu, select **Options**.
 - b Select the **Advanced** tab.
 - c Select a lower minimum photo size.
 - d Click **OK**.The number of photos valid for printing appears next to Photos.
- 4 Click **Photos**.
The Fast Pics dialog appears.
- 5 If you want to print all the photos or images using the same settings, select the size you want, the blank paper size in the printer, and the number of copies.
- 6 If you want to print one photo or image at a time:
 - a Click the photos or images you do *not* want to print to deselect them.
 - b To make common editing changes:
 - 1 Right click the photo or image.
 - 2 Click **Edit**.
 - 3 Make your selections.
 - 4 Follow the instructions on the screen.
 - 5 When you are finished making changes, click **Done**.
 - 6 Select the size you want, the blank paper size in the printer, and the number of copies.
- 7 Click **Print Now**.

Printing multiple copies of a document

- 1 With a document open, click **File → Print** or **Printer Setup**.
- 2 From the Print Setup dialog box, click **Properties**, **Preferences**, **Options**, or **Setup**.
- 3 In the Copies section of the **Quality/Copies** tab, enter the number of copies you want to print.
Note: If you print multiple copies of a multiple-page document and want them collated, click **Collate Copies**.
- 4 Click **OK** to close any printer software dialog boxes that are open.
- 5 Print the document.

Collating copies

If you print multiple copies of a document, you can choose to print each copy as a set (collated) or to print the copies as groups of pages (not collated).

Collated



Not collated



- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 Click the **Quality/Copies** tab.
- 4 From the Multiple Copies section, click **Collate Copies**.
- 5 Click **OK** to close any printer software dialog boxes that are open.
- 6 Print the document.

Notes:

- This option is available only when you are printing multiple copies.
- If printing photos, to prevent smudging, remove each photo as it exits the printer, and let it dry before stacking.


Printing the last page first (reverse page order)

- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 From the **Quality/Copies** tab, select **Print Last Page First**.
- 4 Click **OK**.
- 5 Click **OK** or **Print**.


Printing multiple pages on one sheet (N-Up)

- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 From the **Print Layout** tab, select **N-up**.
- 4 Select the number of pages to print on each page.
- 5 If you want each page image to be surrounded by a border, select **Print Page Borders**.
- 6 Click **OK**.
- 7 Click **OK** or **Print**.

Pausing print jobs

- 1 For Windows Vista, click  → **Control Panel** → **Printer**.
For Windows XP, click **Start** → **Settings** → **Printers and Faxes**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Select **Pause**.

Canceling print jobs

- 1 In Windows Vista, click  → **Control Panel** → **Printer**.
In Windows XP, click **Start** → **Settings** → **Printers and Faxes**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Select **Open**.
- 4 Right-click the document name.
- 5 Select **Cancel**.

Understanding the Print Files Options menu

To use the Print Files function, your printer must be connected to a computer, and both the printer and computer must be on.


- 1 Insert a memory card or flash drive containing document files into the printer.

The following file types are supported:

- .doc (Microsoft Word)
- .xls (Microsoft Excel)
- .ppt (Microsoft Powerpoint)
- .pdf (Adobe Portable Document Format)
- .rtf (Rich Text Format)
- .docx (Microsoft Word Open Document Format)
- .xlsx (Microsoft Excel Open Document Format)
- .pptx (Microsoft Powerpoint Open Document Format)
- .wps (Microsoft Works)
- .wpd (WordPerfect)

- 2 After the memory device is detected, press .

From here	You can
Paper Handling	Choose the paper size and paper type.





- 3 Use the control panel buttons to make your selections.
- 4 Press  to save your settings temporarily.

Printing documents from a removable storage device

- 1 Make sure the printer is connected to a computer by a USB cable, and both the printer and the computer are on.
- 2 Insert a memory card into a card slot, or insert a flash drive into the PictBridge port on the front of the printer.

Notes:

- If only document files are stored on the memory card or flash drive, the printer automatically switches to **Print Files** mode. Only files that have file name extensions DOC, XLS, PPT, PDF, RTF, DOCX, XLSX, PPTX, WPS, or WPD are recognized.
- If there are also photos stored on the memory card or flash drive, the printer automatically switches to **Photo** mode.

- 3 Press ▲ or ▼ repeatedly until **Print Files** appears.
- 4 Press ✓ to make changes to paper size or type, or to adjust the default settings of the printer.
- 5 Make your selections using the control panel buttons.
- 6 Press  to save your changes.
- 7 Press  again to return to the **Print Files** mode.
- 8 Press  to see a list of files on the removable storage device.
- 9 Press ▲ or ▼ repeatedly until you reach the document you want to print.
- 10 Press  to print the file.



Printing document files from a memory card or flash drive

To use the Print Files function, your printer must be connected to a computer, and both the printer and computer must be on. The computer must contain applications that support the desired file formats.

- 1 Insert a memory card or flash drive containing document files into the printer.

The following file types are recognized:

- .doc (Microsoft Word)
- .xls (Microsoft Excel)
- .ppt (Microsoft Powerpoint)
- .pdf (Adobe Portable Document Format)
- .rtf (Rich Text Format)
- .docx (Microsoft Word Open Document Format)
- .xlsx (Microsoft Excel Open Document Format)
- .pptx (Microsoft Powerpoint Open Document Format)
- .wps (Microsoft Works)
- .wpd (WordPerfect)

- 2 Press  to select **Print Files**.
- 3 Press ▲ or ▼ to select a file to print.
- 4 Press .

Printing specialty documents

Choosing compatible specialty paper types

- **Heavyweight matte paper**—A photo paper with a matte finish used for printing high-quality graphics.
- **Lexmark PerfectFinish™ Photo paper**—A high-quality photo paper specifically designed for Lexmark inkjet printers, but compatible with all inkjet printers. It is used specifically for printing professional quality photos with a glossy finish. It is best when used with genuine Lexmark evercolor™ 2 ink, providing photos that are fade- and water-resistant.
- **Lexmark Photo Paper**—An outstanding "everyday" heavyweight inkjet photo paper designed for use with Lexmark printers, but compatible with all brands of inkjet printers. Although inexpensive, it offers excellent image quality and outstanding value.
- **Transparency**—A clear, plastic media primarily used for overhead projectors.
- **Card stock**—A very thick paper used for printing sturdier items, such as greeting cards.
- **Iron-On transfer**—A type of media that has a reverse image printed on it that can be ironed onto fabric.

Printing envelopes

- 1 Load envelopes.
- 2 With a document open, click **File → Print**.
- 3 Click **Properties, Preferences, Options, or Setup**.
- 4 From the "I Want To" menu, select **Print on an envelope**.
- 5 From the Envelope Size list, select the envelope size loaded.
- 6 Select **Portrait** or **Landscape** orientation.

Notes:

- Most envelopes use landscape orientation.
- Make sure the same orientation is also selected in the software application.

- 7 Click **OK** to close any printer software dialogs that are open.
- 8 Click **OK** or **Print**.

Printing greeting cards, index cards, photo cards, and postcards

- 1 Load greeting cards, index cards, photo cards, or postcards.
- 2 With a document open, click **File → Print**.
- 3 Click **Properties, Preferences, Options, or Setup**.
- 4 Select a Quality/Speed setting.
Select **Photo** for photos and greeting cards, and select **Normal** for other types of cards.
- 5 Select the **Paper Setup** tab.
- 6 Select **Paper**.
- 7 From the Paper Size list, select a card size.
- 8 Click **OK**.
- 9 Click **OK** or **Print**.

Notes:

- To avoid paper jams, do not force the cards into the printer.
- To prevent smudging, remove each card as it exits, and let it dry before stacking.

Printing a document as a poster

- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 Click the **Print Layout** tab.
- 4 From the **Layout** drop-down box, select **Poster**.
- 5 Select the poster size you want to print. The number you select represents the number of pages that make up the height and width of the poster.
- 6 Select **Print Crop Marks** if you want each page of the poster to show crop marks.
- 7 Click **Select Pages To Print** to reprint any damaged poster pages without having to print all of the poster pages. Click pages to select or cancel them.
- 8 Click **OK** to close any printer software dialogs that are open.
- 9 Print the document.

Note: Certain programs may cause text to be clipped or to disappear when using extra-large or extra-small fonts. If this occurs, try decreasing or increasing the font size.

Printing an image as a poster

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the **Photo Printing** area of the Welcome screen, click **Poster**.
- 3 If you are scanning a photo:
 - a Place the photo facedown on the scanner glass.
 - b Click **File → Add Photo from Scanner**.
- 4 If you are not scanning a new item, open the folder that contains your photo.
- 5 Drag the photo to the Print a Multi-Page Poster preview area of the screen.
- 6 Click **Next Step** at the bottom of the left pane.
- 7 From the “Paper size to print poster on” drop-down list, select a paper size.
- 8 From the “Print Quality for poster” drop-down list, select a print quality.
- 9 From the Poster Size drop-down list, select the poster size.
- 10 If you want to rotate the poster so that it fits better on the printed pages, click **Rotate 90 degrees**.
- 11 Click **Print Now** in the bottom right corner of the screen.

Printing a booklet

- 1 Before you change any Print Properties settings, you must select the correct paper size from the program. You can print booklets using these paper sizes:
 - Letter
 - A4
 - 2 Load the paper.
 - 3 With a document open, click **File → Print**.
 - 4 Click **Properties, Preferences, Options, or Setup**.
 - 5 Click the **Print Layout** tab, and then click **Booklet**.
 - 6 If you are printing a large booklet, select a number of **Printed sheets per bundle**.
 - a Click **Options → Layout Options**.
 - b From the **Printed sheets per bundle** drop-down menu, select a number of printed sheets per bundle.
- Note:** A bundle is a set number of sheets of paper folded together. The printed bundles are stacked, one on top of the other, keeping the correct page order. The stacked bundles can be bound to make a booklet. When printing with a heavier paper stock, select a smaller number of **Printed sheets per bundle**.
- 7 Click **OK** to close any printer software dialog boxes that are open.
 - 8 Print the document.

Assembling a booklet

- 1 Flip the printed stack of papers over in the paper exit tray.
- 2 Take the first bundle from the stack, fold it in half, and then set it aside with the front page down.
- 3 Take the next bundle from the stack, fold it in half, and then stack it with the front page down on top of the first bundle.



- 4 Stack the rest of the bundles with the front page down, one on top of the other, until the booklet is complete.
- 5 Bind the bundles together to complete the booklet.



Printing on custom-size paper

- 1 Load up to 100 sheets of custom-size paper.
- 2 With a document open, click **File → Print**.
- 3 Click **Properties, Preferences, Options, or Setup**.
- 4 From the Quality/Copies tab, select a Quality/Speed setting.
- 5 Click the **Paper Setup** tab.

- 6 From the Paper Size section, select **Paper** and then select **Custom Size**.
- 7 Select the measurement units to use.
- 8 Use the sliders, or type the size of the paper loaded into the printer.
- 9 Click **OK** to close any printer software dialogs that are open.
- 10 Print the document.

Note: Do not force paper into the printer.

Printing iron-on transfers

- 1 Load up to 10 iron-on transfers.
- 2 With an image open, click **File → Print**.
- 3 Click **Properties, Preferences, Options, or Setup**.
- 4 From the Print Layout tab, select **Mirror** if you want the printer software to flip the image.
Select **Normal** if you have a program that automatically flips the image.
- 5 Click **OK** to close any printer software dialogs that are open.
- 6 Print the iron-on transfers.

Note: Do not force iron-on transfers into the printer.

Printing transparencies

- 1 Load up to 50 transparencies.
- 2 With a document open, click **File → Print**.
- 3 Click **OK** or **Print**.

Note: To prevent smudging, remove each transparency as it exits, and let it dry before stacking. Transparencies may require up to 15 minutes to dry.

Printing a banner

- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 From the Print Layout tab, select **Banner**.
Note: After you print a banner, return the setting to **Normal**.
- 4 To keep banner paper from jamming, select **Letter Banner** or **A4 Banner** from the Banner Paper Size dialog.
- 5 From the Paper Setup tab, select **Landscape** orientation.
- 6 Click **OK**.
- 7 Click **OK** or **Print**.

Printing on both sides of the paper

Understanding the two-sided printing (duplexing) function

The printer has a built-in duplex unit that lets you print on both sides of the paper automatically. This function is also known as two-sided printing or duplexing.












Note: Automatic two-sided printing (duplexing) works only with plain paper in letter and A4 sizes. If you want to print two-sided documents on another size or type of paper, use the manual duplexing method.

To print a two-sided copy, the  light must be on. The  button works in tandem with the Duplexing settings in the printer software. To access the Duplexing settings:

- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 Click the **Print Layout** tab.

The Duplexing area is on the lower portion of the dialog.

The options under the Duplexing drop-down box are “Use Printer Settings,” “On,” “Off,” and “Manual.”




Select	To
Use Printer Settings	Control two-sided printing using the  button. Press  to turn the  light on or off. <ul style="list-style-type: none"> • When the  light is on, your documents are printed on both sides of the paper (duplexed). • When the  light is off, your documents are <i>not</i> printed on both sides of the paper. Note: Use Printer Settings is the factory default setting.
On	Turn on the  button so that <i>all</i> documents are printed on both sides of the paper. Note: The  light stays on until you select a different option.
Off	Turn off the  button so that all documents are printed on one side of the paper. Note: The  light stays off until you select a different option.
Manual	Duplex a print job manually. You must select this option when printing two-sided jobs that will be printed on a size or type of paper other than letter- or A4-size plain paper (such as greeting cards). Note: You can select to print the two-sided pages so they turn like the pages of a magazine <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(Side-Flip) or like the pages of a legal pad (</p> </div> <div style="text-align: center;">  <p>Top-Flip).</p> </div> </div> <p>Side-Flip is the factory default setting.</p>

For more information, see “Printing on both sides of the paper (duplexing) automatically” on page 54 and “Printing on both sides of the paper (duplexing) manually” on page 55.

Printing on both sides of the paper (duplexing) automatically

The printer has a built-in duplex unit that lets you print on both sides of the paper automatically.


Note: Automatic two-sided printing (duplexing) works only with plain paper in letter and A4 sizes. If you want to print two-sided documents on another type or size of paper, use the manual duplexing method.

- 1 Press .
- 2 With a document open, click **File → Print**.
- 3 Click **Properties, Preferences, Options, or Setup**.
- 4 Click the **Print Layout** tab
- 5 From the Duplexing area, select **Use Printer Settings** from the drop-down box.
- 6 Make sure the  light is on.
- 7 Click **OK** to close any printer software dialogs that are open.
- 8 Press .

Note: To return to single-sided printing, make sure the  light is not on.

Printing on both sides of the paper (duplexing) manually

If you want to print a two-sided (duplex) document on a size or type of paper other than plain letter- or A4-size paper, you must use the manual duplex method. This method involves printing the odd-numbered pages, then flipping and reloading the stack of paper to print the even-numbered pages on the other side of the sheets.

- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options or Setup**.
- 3 Click the **Print Layout** tab.
- 4 From the Duplexing area, select **Manual** from the drop-down box.
- 5 Select the **Print manual duplex instructions** check box.
- 6 Press .
- 7 The printer prints the odd-numbered pages and the instruction sheet, which describes how to flip and reload the paper.
- 8 Following the instruction sheet, flip and reload the paper with the printed side facing away from you.
- 9 The printer then prints the even-numbered pages on the reverse sides of the odd-numbered pages, completing the two-sided sheets.

Note: If you want to return to automatic duplexing, go to the Duplexing drop-down box and select **Use Printer Settings**.

Changing printer settings

Saving and deleting print settings

- 1 With a document open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 Click the **Quality/Copies** tab.
- 4 Make necessary adjustments to any of the settings in the Quality/Speed, Paper Type, and Multiple Copies sections.

- 5 From the Save Settings drop-down menu, select **Save your current settings**.
- 6 Click a radio button next to the number of the location where you want to save your settings, then type a name for your settings in the selected box.


Note: The first location contains Factory Default Settings, which cannot be changed or deleted.

- 7 Click **Save**.

Notes:

- To retrieve your print settings, click the **Save Settings** drop-down menu, and select them from the list.
- To delete settings, choose **Delete a setting from the list** from the Save Settings drop-down menu. Select the radio button next to the setting you want to delete, and then click **Delete**.


Using the Change Printer Default Settings submenu

- 1 From the **Setup** menu, press ▲ or ▼ repeatedly until **Change Printer Default Settings** is highlighted.
- 2 Press √.
- 3 After changing values, press  to save the values as default settings and exit this submenu.

Use this	To
Set Time	Set the current time using the keypad numbers.
Set Date	Set the current date using the keypad numbers.
Paper Handling	Specify the size and type of paper loaded. For more information, see “Using the Paper Handling submenu” on page 44.
Language	Change the language shown on the control panel.
Country	Change the country or region shown on the control panel to your country or region.
Key Press Tone	Set the volume of the tone when a control panel button is pressed to either On or Off. On is the default.
Power Save	Set the printer to enter a power saving mode at or after a certain time limit.
Block Host Settings	Allow your system support person to block to prevent individual users on a network from making printer setting changes using the Printer Setup Utility.
Speaker Volume	Set the volume of the speaker during a call.

Resetting printer software to factory default settings

Windows 2000, Windows XP, or Windows Vista users

- 1 In Windows Vista, click  → **Control Panel** → **Printer**.
In Windows 2000 and Windows XP, click **Start** → **Settings** → **Printers** or **Printers and Faxes**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Click **Printing Preferences**.
- 4 Click the **Save Settings** menu.
- 5 From the Restore section, select **Factory Settings (Defaults)**.

Note: Factory default settings cannot be deleted.

Resetting the printer to factory default settings

You can reset your printer to the original settings without using the printer software.

Note: Resetting to factory default settings will delete all printer settings you selected.

- 1 Press ▼ repeatedly to choose **Maintenance**.
- 2 Press ✓.
- 3 Press ▼ repeatedly to choose **Reset Defaults**.
- 4 Press ✓.
- 5 Select **Yes** to reset all menu defaults.
- 6 Select **Yes** to reset all network settings.

Working with photos

Using recommended paper

For best results when printing photos or other high-quality images, use Lexmark Photo Paper or Lexmark PerfectFinish Photo Paper. Do *not* use Lexmark Premium Photo Paper. Your print cartridges are not compatible with this type of paper.

Retrieving and managing photos

Understanding the Photo Card Mode menu

To access the Photo Card Mode menu:

- 1 Insert a memory card or flash drive.
- 2 After the memory device is detected, press \checkmark .

Note: If you connect a digital camera set to a supported mass storage format to the printer, you will be asked if you want to use PictBridge. Choose **No** to display the Photo Card Mode menu.

From here	You can
Browse and Print Photos	<ul style="list-style-type: none">• View photos.• Choose photos for editing and printing.• Specify the number of copies to print.
Select Computer	Choose a network host computer. This selection is only displayed if the wireless adapter of the printer is properly configured.
Photo Proof Sheet	Print and then scan a proof sheet: <ul style="list-style-type: none">• For all photos• For the most recent 20 photos, if there are 20 or more photos on your memory device.• By date
Print All Photos	Choose how to print all photos: <ul style="list-style-type: none">• 1 per page• 2 per page• 3 per page• 4 per page• Index print
View Slideshow	<ul style="list-style-type: none">• View a slideshow of photos.• Select a photo or photos for printing.
Save Photos	Choose to save photos to a computer or flash drive.
Change Default Settings	Choose default settings for photo size, layout, quality, and paper handling.

From here	You can
Print Camera Selections	Print Digital Print Order Format (DPOF) selections. This option appears only when there is a valid DPOF file on your memory device.

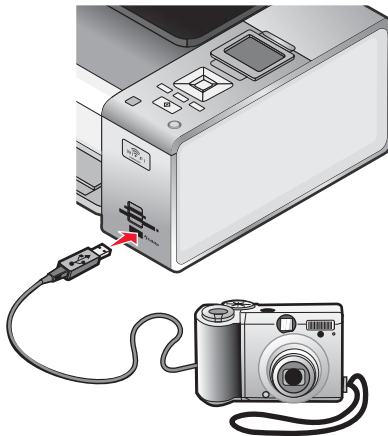
Printing photos from a PictBridge-enabled digital camera

PictBridge is a technology available in most digital cameras that lets you print directly from your digital camera without using a computer. You can connect a PictBridge-enabled digital camera to the printer, and use the camera to control printing photos.

- 1 Insert one end of the USB cable into the camera.

Note: Use only the USB cable that came with the camera.

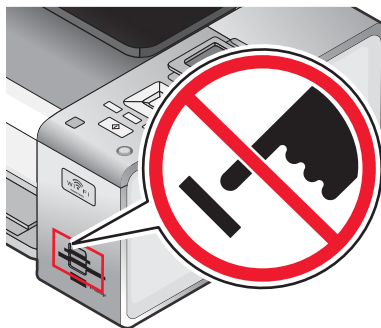
- 2 Insert the other end of the cable into the PictBridge port on the front of the printer.




Notes:

- Make sure the PictBridge-enabled digital camera is set to the correct USB mode. If the camera USB selection is incorrect, the camera will be detected as a USB storage device, or an error message will be displayed on the control panel of the printer. For more information, see the camera documentation.
- The printer reads only one media device at a time.


Warning: Do not touch the USB cable, any network adapter, or the printer in the area shown while actively printing from a PictBridge-enabled digital camera. A loss of data can occur. Also, do not remove the USB cable or network adapter while actively printing from a PictBridge-enabled digital camera.



- 3 If the PictBridge connection is successful, the following message appears on the display: **Camera Connected**. Refer to **Camera display** or **Camera owners manual** for further information.

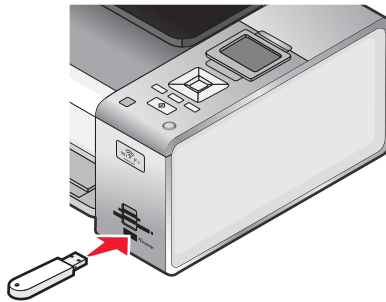
After a few seconds, the following message appears: **Use Camera to choose and print photos**. Press  to select **printer default settings**.

- 4 If you want to use the camera to control printing photos, see the instructions in the camera documentation.

Press  on the control panel to specify the PictBridge default print settings, which are used if no selections are made on the camera.

Inserting a flash drive

- 1 Insert the flash drive into the PictBridge port on the front of the printer.



Note: An adapter may be necessary if your flash drive does not fit directly into the port.

- 2 Wait for the printer to recognize that a flash drive is installed. When the flash drive is recognized, the message **Storage Device Detected** appears.

If the printer does not read the flash drive, remove and reinsert it.

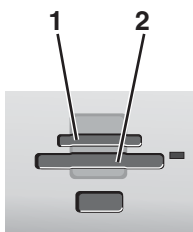
Warning: Do not touch cables, any network adapter, the flash drive, or the printer in the area shown while actively printing, reading, or writing from the flash drive. A loss of data can occur. Also, do not remove the flash drive while actively printing, reading, or writing from the flash drive.



Note: The printer recognizes one active media device at a time. If you insert more than one media device, a message appears on the display prompting you to designate the device you want the printer to recognize.

Inserting a memory card

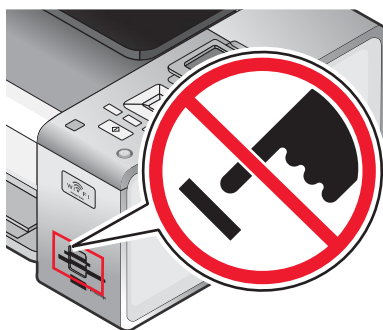
- 1 Insert a memory card.
 - Insert the card with the brand name label facing up.
 - If there is an arrow on the card, make sure it points toward the printer.
 - If needed, make sure you connect the memory card to the adapter that came with it before inserting it into the slot.



Slot	Memory card
1	<ul style="list-style-type: none"> • xD-Picture Card • xD-Picture Card (Type H) • xD-Picture Card (Type M) • Secure Digital (SD) • Mini Secure Digital (with adapter) • Micro Secure Digital (with adapter) • MultiMedia Card (MMC) • Reduced Size MultiMedia Card (with adapter) • MultiMedia Card mobile (with adapter) • Memory Stick (MS) • Memory Stick PRO • Memory Stick Duo (with adapter) or Memory Stick Duo PRO (with adapter)
2	<ul style="list-style-type: none"> • Compact Flash Type I and Type II • Microdrive

2 Wait for the light located to the right of the slots on the printer to come on. The light blinks to indicate the memory card is being read or is transmitting data.

Warning: Do not touch cables, any network adapter, the memory card, or the printer in the area shown while actively printing, reading, or writing from the memory card. A loss of data can occur. Also, do not remove the memory card while actively printing, reading, or writing from it.



When the printer detects the memory card, the message **Memory Card Detected** appears on the control panel display.

If the printer does not read the memory card, remove and reinsert it.


Notes:

- The printer recognizes one memory card at a time. If you insert more than one memory card, a message appears on the display prompting you to remove all memory cards inserted.
- If a USB flash drive is inserted together with the memory card, a message appears on the display prompting you to choose which memory device to use.

Understanding the PictBridge Default Print Settings menu

The PictBridge Default Print Settings menu lets you select default printer settings that are used if no settings are selected from your digital camera. For more information on making camera selections, see the documentation that came with your camera.

To access the PictBridge Default Print Settings menu:

- 1 Connect a PictBridge-enabled digital camera to the printer.
- 2 When the control panel display indicates, press .







From here	You can
Photo Size	Specify the size of the photo or photos to be printed.
Layout	Choose the layout of the photo or photos to be printed.
Quality	Choose the quality of the photo or photos to be printed.
Paper Handling	Set the default paper size and paper type.

Transferring photos from a memory device to the computer using the control panel


If the printer is connected directly to a computer, or connected to a computer through a wireless network connection, you can transfer photos from a memory card or flash drive to the computer.

Notes:

- You cannot transfer photos from a memory device to a computer through an external network adapter that does not support memory device connection.
- The printer may require that you select a computer (and a PIN if required by that computer).

- 1 Insert a memory card or a flash drive that contains the images you want to transfer.
- 2 After the memory device is detected, press .
- 3 Press  repeatedly until **Save Photos** is highlighted.
- 4 Press .
- 5 Press  or  to select **Computer**.
- 6 Press .

If the computer is connected directly to the printer through a USB cable:

- a Press  to begin saving photos to your computer.
- b Follow the instructions on the computer screen.

If the printer is connected to a wireless network, you will be asked to select the computer that you want to use.

- a Press ▲ or ▼ to select a computer.
- b Press ✓.

If you set a PIN during network setup and are being asked for it:

- 1 Enter the PIN using the ◀ and ▶ to select a digit location and the ▲ and ▼ to select a value for that digit.
 - 2 Press ✓.
- c Press to begin saving photos to the computer.
 - d Follow the instructions on the computer screen.

Transferring all photos from a memory card using the computer

- 1 Insert a memory card into the printer with the label facing the printer control panel. If the computer is connected to a wireless network, you will need to select the printer.

Note: For a network connection, you must manually open the application and select the printer you want to use. The Productivity Studio software launches automatically on your computer.

- 2 Click **Automatically save all photos to “My Pictures”**.
- 3 If you want to erase the photos from the memory card, click **Yes**.
Note: Make sure all the photos have been copied before you click **Yes** to erase.
- 4 Click **Done**. Remove the memory card to view your transferred photos in the Library.

Transferring selected photos from a memory card using the computer

- 1 Insert a memory card into the printer with the label facing the printer control panel.

The Productivity Studio software launches automatically on your computer.

Note: For a wireless network connection, you must first open the application and then select the printer you want to use.

- 2 Click **Select photos to save**.
- 3 Click **Deselect All**.
- 4 Click to select the photo(s) you want to transfer.
- 5 Click **Next**.
- 6 If you want to save the photos to the default folder, click **Next**.
- 7 If you want to save the photos in a folder other than the default folder:
 - a Click **Browse**.
 - b Select the folder you want.
 - c Click **OK**.
- 8 If you want to assign a prefix to all of the photos you just transferred, click the check box and enter a name.
- 9 Click **Next**.

10 If you want to erase the photos from the memory card, click **Yes**.

Note: Make sure all the photos have been copied before you select **Yes** to erase.

11 Click **Done**. Remove the memory card to view your transferred photos in the Photo Library.

Transferring selected photos from a CD or flash drive using the computer

1 Insert a CD or a flash drive into the computer.

2 If you are using Windows Vista, an “AutoPlay” screen appears.

Click **Transfer Photos to your computer using the Productivity Studio**.

3 If you are using Windows XP, a “What do you want Windows to do?” screen appears.

Click **Transfer Photos to your computer using the Productivity Studio**.

If you are using Windows 2000:

a From the desktop, double-click the **Productivity Studio** icon.

b Click **Transfer Photos**.

4 Click **Select photos to save**.

5 Click **Deselect All**.

6 Click to select the photo(s) you want to transfer.

7 If you want to save the photos to the default folder, click **Next**.

8 If you want to save the photos in a folder other than the default folder:

a Click **Browse**.

b Select the folder you want.

c Click **OK**.

9 If you want to assign a prefix to all of the photos you just transferred, select the check box and enter a name.

10 Click **Next**.

11 Remove the CD or flash drive to view your transferred photos in the Library.

Transferring all photos from a CD or flash drive using the computer

1 Insert a CD or a flash drive into the computer.

2 If you are using Windows Vista, an AutoPlay screen appears.

Click **Transfer photos to your computer**.

3 If you are using Windows XP, a “What do you want Windows to do?” screen appears.

Click **Copy pictures to a folder on my computer using Microsoft Scanner and Camera Wizard**.

4 If you are using Windows 2000:

a From the desktop, double-click the **Productivity Studio** icon.

b Click **Transfer Photos**.

5 Click **Automatically save all photos to “My Pictures”**.

6 Remove the flash drive or CD to view your transferred photos in the Library.

Transferring photos from a memory card to a flash drive

- 1 Insert a memory card that contains the images you want to transfer.
- 2 After the memory card is detected, press **√**.
- 3 Press **▼** repeatedly until **Save Photos** is highlighted.
- 4 Press **√**.
- 5 Press **▲** or **▼** to select **USB Flash Drive**.
- 6 Insert the flash drive.
- 7 Press **√**.
- 8 Press **▲** or **▼** to highlight your selection among the following options:
 - Save All “N” Photos (Where “N” is the number of photos on the memory card detected by the printer.)
 - Save Recent Date Photos
 - Save Date Range
- 9 Press **√**.
- 10 Follow the instructions on the control panel display of the printer.

Notes:

- If there is not enough memory on the flash drive, a prompt appears on the display.
- Do not remove the flash drive until a message appears on the display indicating that copying is complete.

Changing the Productivity Studio temporary files preferences

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Tools menu, click **Preferences**.
- 3 Click **Temporary Files**.
 - a Use the slider to set the maximum disk space you want to allocate for temporary files created by the Productivity Studio.
 - b Click **Browse** to choose a different folder for saving the temporary files.
- 4 Click **OK**.

Changing the Productivity Studio searched folders preferences

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Tools menu, click **Preferences**.
- 3 Click **Searched Folders**.
- 4 If you want to exclude system folders when looking for photos, select **Ignore system folders**.
- 5 Click **OK**.

Changing the Productivity Studio library preferences

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Tools menu, click **Preferences**.
- 3 Click **Library**.

From here, you can choose how you want to sort photos. You can also set the minimum file size for the photo to appear in the library.

- 4 Click **OK**.

Changing the Productivity Studio transfer settings


- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Tools menu, click **Preferences**.
- 3 Click **Transfer Settings**.
 - a Select “**Skip Save option and go automatically to**”, and choose to Automatically Save, Manually Save, or Print your photos from the photo storage device connected to your computer.
 - b Click **Browse** to choose a different folder to transfer your photos to.
 - c Select “**Always erase photos from my media after transferring**” to automatically delete photos from your photo storage device after transferring them to your computer.
- 4 Click **OK**.

Editing photos

Cropping a photo

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click **Crop Photo** on the Quick Fixes tab.
- 3 Click and drag with your mouse to select the section of the image that you want to crop. You can adjust the cropped area by using your mouse and dragging the lines to increase or decrease the cropped area.
- 4 Click **Crop Now**.
- 5 The cropped portion of the original image displays in the Preview pane. You can save the cropped image.


Editing photos using the control panel


- 1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- 2 Insert a memory card or flash drive.
- 3 From the control panel, press **√**.
- 4 Press **√** to select **Browse and Print Photos**.
- 5 Press **◀** or **▶** to navigate through the photos.
- 6 Press **√** to select a photo for editing and printing.
- 7 Press .



8 Press  to select **Edit Photo**.

From here	You can
Brightness	Adjust the brightness of a photo.
Rotate	Rotate a photo in 90-degree increments clockwise or counterclockwise.
Crop	Crop a photo.
Auto Enhance	Enhance a photo automatically.
Remove Red Eye	Reduce the red-eye effect caused by light reflection.
Colorized Effect	Select whether to print a photo in black and white, sepia, antique brown, or antique gray.
Frames	Select a frame for the photo.

9 Make your selections using the control panel buttons.


10 Press  to save your changes.

11 Press  to go back to the photo.

12 Press  or  to select the number of copies to print.

Note: The number of copies is automatically set to 1.

13 You can select more photos for printing and editing by repeating step 5 through step 12.

14 Press  to go to the print preview screen.

15 If you want to adjust the print settings:

a Press .

b Make your selections using the control panel buttons.

c Press  to save your selections, and then go back to the print preview screen.

16 Press  to print.

Note: To prevent smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

Rotating a photo

1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.

2 With an image open, click the **Quick Fixes** tab.

3 Click **Rotate Left** or **Rotate Right** to rotate the image 90 degrees in either direction.

The thumbnail of the photo is updated.

Changing the Resolution / Size of a photo

Resolution refers to dpi (dots per inch).

1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.

2 With an image open, click **Advanced**.

3 Click **Image Resolution / Size**.

4 Select **Photo Size** to select from a list of defined photo sizes, or click **Custom Size** to enter a different photo size.

Note: If you selected **Photo Size**, you can click **Rotate** to rotate your photo 90 degrees clockwise.

5 If you selected **Custom Size**, enter the width and height for your custom-size photo.

Note: **Maintain Aspect Ratio** is selected by default. This ensures that your image will remain proportional.

Applying One-Click Auto Fixes to a photo

From the Productivity Studio Welcome Screen, click the **Quick Fixes** tab to access all three One-Click Auto Fixes.

1 Click **File → Open** to select the image you want to edit.

2 With an image open, click **One-Click Auto Fix** to let the software automatically adjust the brightness and contrast of your image.

3 Click **Automatic Brightness** to adjust only the brightness of your image.

4 Click **Automatic Red-Eye Reduction** to let the software automatically reduce the appearance of red-eye in your image.

Note: Click **Undo** at the top of the window if you are not satisfied with the results after applying any of the One-Click Auto Fixes.

Reducing the red-eye effect in a photo

1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.

2 With an image open, click the **Quick Fixes** tab.

3 Click **Automatic Red-Eye Reduction** to let the software reduce the red-eye effect automatically. If you are not satisfied with the results, continue with the steps below.

4 Click **Manual Red-Eye Reduction**.

5 Move the cursor across the photo, and place it over an affected eye.

6 Click to reduce the red-eye effect.

Blurring/Sharpening a photo

Increasing the amount of blur will soften your image. Increasing the sharpness will make your image seem more focused.

1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.

2 With an image open, click the **Enhancements** tab.

3 Click **Blur / Sharpen**.

4 Use the slider to blur or sharpen the image. You can preview the changes to the image by comparing the **Before** and **After** preview panes at the top of the window.

5 Click **OK** to accept your changes, or click **Cancel** to reject them.

Enhancing a photo

The Enhance feature lets you make subtle adjustments to the brightness, contrast, and sharpness of an image.

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click the **Enhancements** tab.
- 3 Click **Enhance**.
- 4 Use the slider to adjust the Enhance setting. You can preview the changes to your image by comparing the **Before** and **After** preview panes at the top of the window.
Note: Click **Automatic** to let the software automatically enhance your photo.
- 5 Click **OK** to accept your changes, or click **Cancel** to reject them.

Changing the Hue / Saturation of a photo

Adjusting hue lets you control the color of an image. Adjusting its saturation lets you control the intensity of the color.

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click the **Enhancements** tab.
- 3 Click **Hue / Saturation**.
- 4 Use the slider to adjust the hue or saturation of your photo. You can preview the changes to the image by comparing the **Before** and **After** preview panes at the top of the window.
- 5 Click **OK** to accept your changes, or click **Cancel** to reject them.

Changing the Gamma Value of a photo or image

Adjusting the gamma value helps you to control the overall brightness of an image—particularly those intended to be viewed on a computer monitor. When images are not properly gamma-corrected, they will look either too light or too dark.

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click **Advanced**.
- 3 Type a value in the text box, or use the up or down arrows to select a higher or lower gamma value.
Note: You can enter gamma values from -10–10. If you are not satisfied with your changes, return the gamma value back to 0.
- 4 Click **Save** to keep your changes.

Despeckling a photo

Despeckling lets you remove specks that appear in your photo.

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click **Enhancements**.
- 3 Click **Despeckle**.
- 4 Using the slider, adjust the Despeckle setting. You can preview the changes to your image by comparing the **Before** and **After** preview panes at the top of the window.
- 5 Click **OK**. The thumbnail is updated.

Changing the Brightness / Contrast settings of a photo

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click **Enhancements**.
- 3 Click **Brightness/Contrast**.
- 4 Adjust the brightness and contrast settings. You can preview the changes to the image by comparing the **Before** and **After** preview panes at the top of the window.
- 5 Click **OK** to accept your changes, or click **Cancel** to reject them.

Note: You can let the software automatically adjust only the brightness of the image by clicking **Automatic Brightness** on the Quick Fixes tab.

Applying a color effect to a photo

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click the **Enhancements** tab.
- 3 Click **Color Effects**.
- 4 Apply a color effect.
You can select sepia, antique brown, black and white, or antique grey.
- 5 Click **OK**.

Changing the Exposure setting of a photo

Changing the Exposure setting lets you correct lighting irregularities in your photo.

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 With an image open, click **Enhancements**.
- 3 Click **Exposure**.
- 4 Using the slider, adjust the amount of exposure to correct uneven lighting in your image. You can preview the changes to your image by comparing the **Before** and **After** preview panes at the top of the window.
- 5 Click **OK** to accept your changes, or click **Cancel** to reject them.

Removing wavy patterns from scanned photos, magazines, or newspapers

Descreening helps to remove wavy (moire) patterns from images scanned from magazines or newspapers.

- 1 From the Productivity Studio Welcome Screen, click **File → Open** to select the image you want to edit.
- 2 Click the **Advanced** tab.
- 3 Click **Image Patterns**.
- 4 To remove the image patterns caused by scanning from magazines or newspapers, click **Remove Patterns**.
- 5 From the drop-down list, select the patterns to be removed.
- 6 To reduce stray marks on color photos, click the check box, and then move the slider to the desired value.
- 7 Click **OK**. The thumbnail is updated.

Printing photos

Printing photos from a CD or removable storage device using the computer

- 1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- 2 Insert a CD or any removable storage device (such as a flash drive, memory card, or digital camera) into the computer.
 - If you are using Windows Vista, an “AutoPlay” screen appears. Click **Transfer Photos to your computer using the Productivity Studio**.
 - If you are using Windows XP, a “What do you want Windows to do?” screen appears. Click **Transfer Photos to your computer using the Productivity Studio**.
 - If you are using Windows 2000:
 - a From the desktop, double-click the **Productivity Studio** icon.
 - b Click **Transfer Photos**.
- 3 Click **Select photos to print**.
- 4 To print all photos, click **Print**.
- 5 To print selected photos, click **Deselect All** and select only the photo(s) you want to print.
- 6 Click **Print**.
- 7 From the Quality drop-down list, select a print quality.
- 8 From the Paper Size in Printer drop-down list, select the paper size.
- 9 To select multiple prints of a photo, or to select photo sizes other than 10 x 15 cm (4 x 6 in.), select the options you want in the table. Use the drop-down list in the last column to view and select other sizes.

Note: If you want to edit your photo(s) before printing, click **Edit Photo** above the Print Preview pane. Select **One-Click Auto Fix**, **Automatic Red-Eye Reduction**, or **Automatic Brightness Fix** to let the software edit your photo(s) automatically. Click **More Retouch Tools** to go to the photo-editing window. When you've completed your edit(s), click **Return with edits** in the bottom right corner to return to the print window.
- 10 Click **Print Now** in the bottom right corner of the window.
- 11 Remove the CD or storage device.

Viewing / Printing photos from the Productivity Studio

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 Click **Work with Documents and Photos**.
- 3 Click to select the photo(s) you want to print.
- 4 From the Productivity Studio taskbar located at the bottom of the screen, click **Photo Prints**.
- 5 From the Quality drop-down list, select a copy quality.
- 6 From the Paper Size in Printer drop-down list, select the paper size.
- 7 From the Paper Type in Printer drop-down list, select the paper type

- 8 To select multiple prints of a photo, or to select photo sizes other than 10 x 15 cm (4 x 6 in.), select the options you want in the table. Use the drop-down list in the last column to view and select other sizes.
- 9 Click **Print Now** in the bottom right corner of the screen.

Printing Photo Packages

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 Click **Photo Packages**.
- 3 Click to select the photos you want to include in your photo package.
- 4 Click **Next**.
- 5 From the Quality drop-down list, select a copy quality.
- 6 From the Paper Size in Printer drop-down list, select the paper size.
- 7 From the Paper Type in Printer drop-down list, select the paper type.
- 8 To select multiple prints of a photo, or to select photo sizes other than 4 x 6 in. (10 x 15 cm), select the options you want in the table. Use the drop-down list in the last column to view and select other sizes.
- 9 Click **Print Now** in the bottom right corner of the screen.

Creating Photo Greeting Cards

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 Click **Photo Greeting Cards**.
- 3 From the Style tab, click to select a style for your greeting card.
- 4 From the Photo tab, select and drag a photo into the preview pane on the right side of the screen.
- 5 Click the text area to be able to add text to your photo greeting card.
- 6 When you have finished editing your text, click **OK**.
- 7 If you want to create another photo greeting card using a different style and/or photo, click **Add New Card**, and repeat step 3 on page 72 through step 6 on page 72.
- 8 If you want to print your photo greeting card, select **Print your Photo Greeting Card** from the Share tab.
- 9 Select the number of copies from the Copies drop-down list.
- 10 Select the copy quality from the Quality drop-down list.
- 11 Select the paper size from the Paper Size in Printer drop-down list.


Paper sizes supported	Dimensions
A4	210 x 297 millimeters
Letter	8.5 x 11 inches
Greeting cards	4 x 8 inches (10.16 x 20.32 centimeters)

- 12 Click **Print Now**.
- 13 If you want to e-mail your photo greeting card, click **E-mail your Photo Greeting Card** from the Share tab.








- 14 From the Send Quality and Speed area of the screen, select the image size.
- 15 Click **Create E-mail** to create an e-mail message with your photo greeting card(s) attached.

Viewing a slideshow of photos on the control panel display

- 1 Insert a memory card or flash drive.
- 2 From the control panel, press \checkmark .
- 3 Press \blacktriangledown repeatedly until **View Slideshow** is highlighted.
- 4 Press \checkmark .
- 5 Press \blacktriangle or \blacktriangledown to select a speed for the slideshow.
- 6 Press \checkmark .




Note: Pressing  while viewing a photo selects that photo for printing.

Printing a photo or selected photos

- 1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- 2 Insert a memory card or flash drive.
- 3 From the control panel, press \checkmark .
- 4 Press \checkmark to select **Browse and Print Photos**.
- 5 Press \blacktriangleleft or \blacktriangleright to navigate through the photos.
- 6 Press \checkmark to select a photo for printing.
- 7 If you want to edit the photo, view the photo in full screen mode, change the print settings, or see a print preview of the photo:
 - a Press .
 - b Make your selections using the control panel buttons.
 - c Press  to save your changes.
 - d Press .
- 8 Press \blacktriangle or \blacktriangledown to select the number of copies to print.
- 9 You can select more photos for printing and editing by repeating step 5 through step 8.
- 10 Press  to go to the print preview screen.
- 11 If you want to adjust the print settings:
 - a Press .
 - b Make your selections.
 - c Press  to save your selections, and then go back to the print preview screen.
- 12 Press  to print.

Note: To prevent smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

Printing all photos from a memory device

- 1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- 2 Insert a memory card or flash drive.
- 3 From the control panel, press \checkmark .
- 4 Press \blacktriangledown repeatedly until **Print All Photos** is highlighted.
- 5 Press \checkmark .
- 6 Press \blacktriangle or \blacktriangledown to select the number of photos to be printed on a page.
- 7 Press \checkmark .
- 8 If you want to adjust the print settings:
 - a Press .
 - b Make your selections using the control panel buttons.
 - c Press  to save your selections.
- 9 Press  to print.

Note: To prevent smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

Printing photos stored on a memory device using the proof sheet

- 1 Load plain letter- or A4-size paper.
- 2 Insert a memory card or flash drive.
- 3 From the control panel, press \checkmark .
- 4 Press \blacktriangledown repeatedly until **Photo Proof Sheet** is highlighted.
- 5 Press \checkmark .
- 6 Press \blacktriangle or \blacktriangledown to specify which category of photos you want to print.

You can print a proof sheet:

- For all photos on the memory card
- For the 20 most recent photos, if there are 20 or more photos on the card
- By date, if the photos on the card were taken on different dates. If you choose this option, use the arrow buttons on the control panel to choose the date range, then press \checkmark to save your selections.


- 7 Press \checkmark .
- 8 Press \checkmark again.

One or more proof sheets print.
- 9 Follow the instructions on the proof sheet to select which photos to print, the number of copies per photo, red-eye reduction, page layout, print options, and paper size.

Note: When making selections, make sure to fill in the circles completely.

- 10 Load the proof sheet facedown on the scanner glass.


11 From the control panel, press **√** to select **Scan Proof Sheet**.

12 Press .

The printer scans the proof sheet.

13 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)

Note: Make sure the paper matches the size you selected on the proof sheet.

14 Press  to print your photos.

Note: To prevent smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

Printing photos from a digital camera using DPOF

Digital Print Order Format (DPOF) is a feature available on some digital cameras. If your camera supports DPOF, you can specify which photos to print, how many of each, and print settings while the memory card is still in the camera. The printer recognizes these settings when you insert the memory card into the printer.

Note: If you specified a photo size while the memory card is still in the camera, make sure the size of the paper loaded in the printer is not smaller than the size you specified in the DPOF selection.

1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)

2 Insert a memory card.

3 From the control panel, press **√**.

4 Press **▼** repeatedly until **Print Camera Selections** is highlighted.

5 Press **√**.

6 Press **√** again.

7 Press **◀** or **▶** to preview the photos.

8 Press  to print.

Note: To prevent smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

Creating and viewing a slideshow

1 From the Productivity Studio Welcome Screen, click **Work with Documents and Photos**.

2 Select the folder that contains the photos you want to include in the slideshow. Thumbnails of the photos in the folder will appear in a preview pane.

3 Click to select the photos you want to include in the slideshow, and then select **Slideshow**.

If you want additional photos to appear in specific order, click the photos in the order you want them to appear, and then drag them into the “Photos in Your Slideshow” area.

4 Click the **Slideshow Settings** tab to adjust the amount of time between each photo in the slideshow. You can also modify the setting that lets the slideshow replay automatically (loop).


5 Click the **Share** tab to save or print your slideshow.

6 Click **View Show** in the lower-right corner of the window to start the slideshow.




Note: You can exit the slideshow any time by moving your cursor to the bottom center of the screen and clicking **Exit Slideshow**.

Copying

Making a copy



- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press .

Making a color or black-and-white copy

- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press ✓.
- 6 Press ▼ repeatedly until **Color** is highlighted.
- 7 Press ◀ or ▶ to choose **Color** or **Black & White**.
- 8 Press ✓ to preview the copy.
- 9 Press  to continue adjusting the settings.
- 10 Repeat step 8 to step 9 as needed.
- 11 Press  to save your settings temporarily.
- 12 Press .

Copying photos

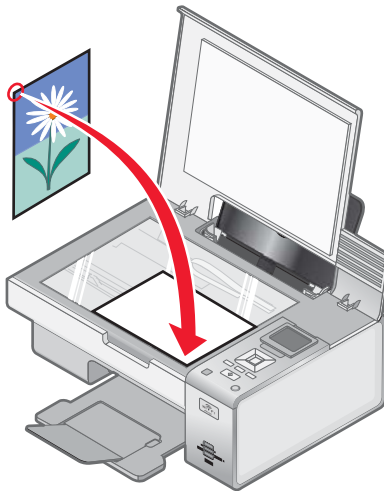
- 1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- 2 Place a photo facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press ✓.

- 6 Adjust the copy settings as needed. To make a borderless copy, choose **Borderless** under **Resize**. For more information, see “Understanding the Copy Mode menu” on page 83.
- 7 After making your choices, press  to save your settings temporarily.
- 8 Press .

Note: To prevent smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.



Copying a photo using the computer




- 1 Place the photo facedown on the scanner glass.






- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 From the Welcome screen, click **Copy**.
- 4 Select **Photo**.
- 5 Click **Start**.
The photo appears in the right pane.
- 6 From the Quality drop-down list, select the copy quality.
- 7 From the Paper Size in Printer drop-down list, select the paper size.
- 8 From the Paper Type in Printer drop-down list, select the paper type.
- 9 To select multiple prints of a photo, or to select photo sizes other than 10 x 15 cm (4 x 6 in.), select the options you want in the table. Use the drop-down list in the last column to view and select other sizes.
- 10 Click **Copy Now** in the bottom right corner of the screen.

Enlarging or reducing an image

- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press  or  repeatedly until **Copy** is highlighted.




- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press ✓.
- 6 Press ▼ repeatedly until **Resize** is highlighted.
- 7 Press ◀ or ▶ to choose among the following options: 50 percent, 100 percent, 200 percent, Custom, Fit to Page, 2x2 Poster, 3x3 Poster, 4x4 Poster, or Borderless.
- 8 Press ✓ to preview the output.
- 9 Press  to adjust the settings.
- 10 Repeat step 8 to step 9 as needed.
- 11 Press  to save your settings temporarily.
- 12 Press .

Adjusting copy quality

- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press ✓.
- 6 Press ▼ repeatedly until **Quality** is highlighted.
- 7 Press ◀ or ▶ to choose among the following options: Normal, Photo, Auto, or Draft.
- 8 Press ✓ to preview the output.
- 9 Press  to adjust the settings.
- 10 Repeat step 8 to step 9 as needed.
- 11 Press  to save your settings temporarily.
- 12 Press .

Adjusting the brightness of a copy

- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press ✓.

- 6 Press ▼ repeatedly until **Lighter/Darker** is highlighted.
- 7 Press ◀ or ▶ to adjust the brightness of the copy.
- 8 Press ✓ to preview the copy.
- 9 Press  to continue adjusting the settings.
- 10 Repeat step 8 to step 9 as needed.
- 11 Press  to save your settings temporarily.
- 12 Press .

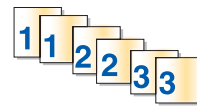
Collating copies using the control panel



If you print multiple copies of a document, you can choose to print each copy as a set (collated) or to print the copies as groups of pages (not collated).

Collated






Not collated



- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press ✓.
- 6 Press ▼ repeatedly until **Collate** is highlighted.
- 7 Press ◀ or ▶ to choose **On**.
- 8 Press  to save the image of the page to the printer memory.
- 9 When asked if you want to copy another page, press ✓ to choose **Yes**.
- 10 Load the second page of the original document facedown on the scanner glass, and then press ✓.
- 11 Repeat step 9 and step 10 until:
 - All the pages you want to copy have been saved to the printer memory. (Proceed to step 12.)
 - The memory has run out of space.
The printer automatically prints the copied pages. The last page copied is printed first.
- 12 Press  to print the last page copied first.

Repeating an image on one page

You can print the same image multiple times on one sheet of paper. This option is helpful in creating labels, decals, flyers, handouts, and so on.


- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 4 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 5 Press ✓.
- 6 Press ▼ repeatedly until **Layout** is highlighted.
- 7 Press ◀ or ▶ to choose the number of times an image is repeated on a page: once, four times, nine times, or 16 times.
- 8 Press ✓ to preview the output.
- 9 Press  to adjust the settings.
- 10 Repeat step 8 and step 9 as needed.
- 11 Press  to save your settings temporarily.
- 12 Press .

Copying on both sides of the paper (duplexing)


The printer has a built-in duplex unit that lets you print on both sides of the paper without having to flip the paper manually. This is useful when printing long documents that need to be compiled.


Notes:

- Use only plain paper in Letter or A4-size. Do *not* make duplex copies on envelopes, card stock, or photo paper.
- You cannot print duplex through the PictBridge port.


- 1 Load paper.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press 
The light on the duplex button comes on.
- 4 From the control panel, press ▲ or ▼ repeatedly until **Copy** is highlighted.
- 5 Press ◀ or ▶ to select the number of copies.
The number of copies is automatically set to 1.
- 6 Press ✓.
- 7 Adjust the copy settings.


Note: If you are copying a two-sided original document, set the menu item 2-Sided Original to **On**.

8 Press  to save your settings temporarily.

9 Press .

The printer scans the first page of the original document.

10 When asked if you want to copy another page, press  to choose **Yes**.

11 Load the second page of the original document facedown on the scanner glass, and then press .

The printer scans the second page of the original document.

The printer then prints the first page of the copy, pulls the paper inward, and prints the second page of the copy.

Warning: Do *not* touch the paper while the printer is actively printing.

Copying multiple pages on one sheet (N-Up)

1 Load paper.


2 Load an original document facedown on the scanner glass.



3 From the control panel, press  or  repeatedly until **Copy** is highlighted.


4 Press  or  to select the number of copies.

The number of copies is automatically set to 1.


5 Press .


6 Press  repeatedly until **N-Up** is highlighted.

7 Press  or  to choose the number of pages to copy on a single sheet of paper. You may choose to copy one page, two pages, or four pages on a sheet.

8 Press .

The printer saves the image of the first page of the original document to the printer memory.

9 When asked if you want to copy another page, press  to choose **Yes**.

10 Load the second page of the original document facedown on the scanner glass, and then press .

11 Repeat step 9 to step 10 until all the pages you want to copy have been saved to the printer memory.

The printer prints the copy automatically.

Changing the default copy settings

1 From the control panel, press  or  repeatedly until **Copy** is highlighted.


2 Press .

3 Press  repeatedly until **Change Default Settings** is selected.

4 Press .

From here	You can
Color	Choose to copy in color and black and white.
Quality	Adjust the quality of a copy. You can choose among the following options: Normal, Photo, Auto, or Draft.
Content Type	Specify the type of document being copied: Text and Graphics, Photo, Text Only, or Line Drawing.
2-Sided Original	Specify whether the original document is two-sided.
Paper Handling	Specify the size and type of the paper loaded.

5 Use the control panel buttons to navigate the menu items and make your choices.

6 Press  to save your settings.

Understanding the Copy Mode menu

To access the Copy Mode menu:



1 From the control panel, press  or  repeatedly until **Copy** is highlighted.

2 Press .

From here	You can
Color	Choose to copy in color and black and white.
Copies	Specify the number of copies to print.
Resize	Choose to resize the copy using the following options: 50 percent, 100 percent, 200 percent, Custom, Fit to Page, 2x2 Poster, 3x3 Poster, 4x4 Poster, or Borderless.
Quality	Adjust the quality of a copy. You can choose among the following options: Normal, Photo, Auto, or Draft.
Lighter/Darker	Adjust the brightness of a copy.
Paper Handling	Specify the size and type of the paper loaded.
Collate	Copy multiple pages as a set. The last page copied is printed first.
2-Sided Original	Specify whether the original document is two-sided. Choosing On will allow duplex printing or printing on both sides of the paper.
N-Up	Choose how many pages to print on a page.
Layout	Choose how many copies of an image to print on a page.
Original Size	Specify the size of the document being copied.
Content Type	Specify the type of document being copied: Text and Graphics, Photo, Text Only, or Line Drawing.
Change Default Settings	Change the default copy settings. These settings include Color, Quality, Content Type, 2-Sided Original, and Paper Handling.

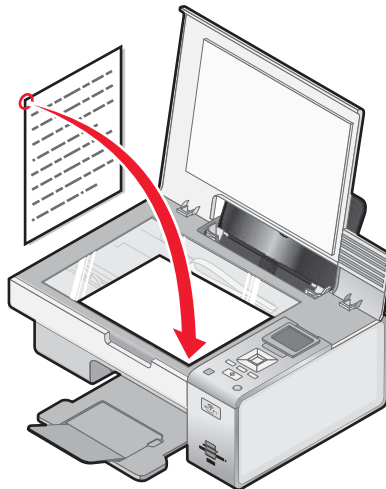
Scanning

Scanning a document

- 1 Make sure the printer is connected to a computer, and both the printer and the computer are on.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ until **scan** is highlighted.
- 4 Press .
- 5 If your printer is connected to more than one computer:
 - a Press ▲ or ▼ repeatedly until the computer to which you want to scan is highlighted.
 - b Press ✓.If you set a PIN during network setup and are being asked for it:
 - 1 Enter the PIN using the ◀ and ▶ to select a digit location and the ▲ and ▼ to select a value for that digit.
 - 2 Press ✓.
- 6 Wait until the printer has finished downloading the scan applications list.
- 7 Make your selections using the control panel buttons.
- 8 Press .

Scanning a document using the computer

- 1 Load an original document facedown on the scanner glass.



- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 Click **Scan**.

4 Select the **Document** option.

5 Click **Start**.

The scanned document is loaded into your default word processing application. You can now edit the document.

Scanning text for editing

The Optical Character Recognition (OCR) feature turns a scanned document into text you can edit with a word-processing application.

1 Make sure the printer is connected to a computer, and both the printer and the computer are powered on.

2 Load an original document facedown on the scanner glass.

3 From the desktop, double-click the **Productivity Studio** icon.

4 From the Welcome Screen, click **Scan and Edit Text (OCR)**.

5 Select the **Document** option.

6 Click **Start**.

The scanned document is loaded into your default word-processing application. You can now edit the document.

Scanning images for editing

1 Make sure the printer is connected to a computer, and both the printer and the computer are on.

2 Load an original document facedown on the scanner glass.

3 From the desktop, double-click the **Productivity Studio** icon.

4 Click **Scan**.

5 Select the **Photo** or **Several Photos** option.

6 Click **Start**.

You can edit the scanned image.

Scanning a photo to Work with Documents and Photos

1 Load a photo facedown on the scanner glass.

2 From the desktop, double-click the **Productivity Studio** icon.

3 Click **Work with Documents and Photos**.



4 From the Add menu, click **Add New Scan**.

5 Select the **Photo** option.

6 Click **Start**.

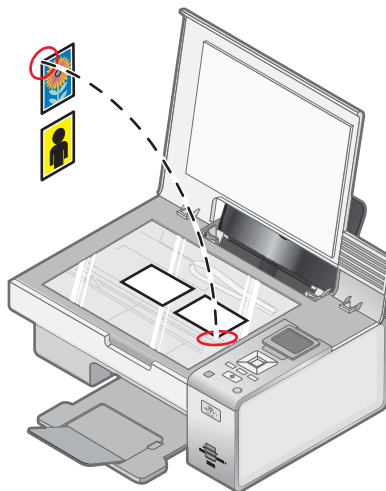
The photo is placed in the current folder in Work with Documents and Photos.

Making a color or black-and-white scan

- 1 Make sure the printer is connected to a computer, and both the printer and the computer are on.
- 2 Load an original document facedown on the scanner glass.
- 3 From the control panel, press ▲ or ▼ until **scan** is highlighted.
- 4 Press ✓.
- 5 If your printer is connected to more than one computer:
 - a Press ▲ or ▼ repeatedly until the computer to which you want to scan is highlighted.
 - b Press ✓.If you set a PIN during network setup and are being asked for it:
 - 1 Enter the PIN using the ◀ and ▶ to select a digit location and the ▲ and ▼ to select a value for that digit.
 - 2 Press ✓.
- 6 Wait until the printer has finished downloading the scan applications list.
- 7 Press ▼ repeatedly until **Color** is highlighted.
- 8 Press ◀ or ▶ to choose **Color** or **Black & White**.
- 9 Press ✓ to preview the copy.
- 10 Press  to continue adjusting the settings.
- 11 Repeat step 9 to step 10 as needed.
- 12 Press .
- 13 Follow the instructions on your computer screen.

Scanning multiple photos at one time using the computer


- 1 Place the photos facedown on the scanner glass.



Note: For best results, place photos with the most space possible between the photos and the edges of the scan area.

- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 Click **Scan**.
- 4 Select the **Several Photos** option.
- 5 Click **Start**.

Creating a PDF from a scanned item

- 1 Load an original document facedown on the scanner glass.
- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 From the Welcome Screen, click **Convert to PDF**.
- 4 Select **Photo**, **Several Photos**, or **Document**.
- 5 Click  to begin scanning.
- 6 Click **Add Another** to scan additional images, or to add an image from the Library.
- 7 To add or scan another image, do one of the following:
 - Select **Add New Scan** and repeat step 3 to scan another image
or
 - Select **Add Photo from Photo Library** to add a previously scanned image. Select or deselect images by clicking on them in the preview pane.Click **Add Files** when you have made your selections.
- 8 Select **Save all images as one PDF file** or **Save each image as individual PDF file**.
- 9 Click **Create PDF**.
- 10 If you want to save the scanned image separately, make your selections and click **Save**. Otherwise, click **Cancel** when the Photo Save options appear.

The software prepares your PDF and opens a Save dialog.
- 11 Enter a file name for your PDF and select a storage location.
- 12 Click **Save**.

Canceling a scan job

To cancel a job being scanned on the scanner glass, go to the control panel, and press .

To cancel a scan job started in the Productivity Studio, click **Scan** and then click **Stop**.

Customizing scan settings using the computer

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 Click **Scan**.
- 3 Click **Custom Settings**.

4 Change the settings as needed.

Setting	Options
Color Depth	Select Color, Grey, or Black and White.
Scan Resolution (Dots Per Inch)	Select a scan resolution value from the drop-down list.
Size	<ul style="list-style-type: none"> You can auto-crop the scanned item. You can select the area to be scanned. From the drop-down list, select a paper source.
Select area to be scanned	Select the area to be scanned by choosing a paper size from the drop-down list.
Convert the image to text with OCR	Convert an image to text.
Always use these settings when scanning	Make your selections permanent by selecting the check box.

Understanding the Scan Mode menu

To access the Scan Mode menu:

- 1** From the control panel, press ▲ or ▼ repeatedly until **Scan** is highlighted.
- 2** Press √.
- 3** If your printer is connected to more than one computer:
 - a** Press ▲ or ▼ repeatedly until the computer to which you want to scan is highlighted.
 - b** Press √.

If you set a PIN during network setup and are being asked for it:

- 1** Enter the PIN by pressing ◀ and ▶ to select a digit location, and then press ▲ and ▼ to select a value for that digit.
- 2** Press √.

- 4** Wait until the printer has finished downloading the scan applications list.


From here	You can
Scan to	Choose the computer to save your scan if there is more than one computer connected to the printer.
Color	Choose to scan your document in color or black and white.
Quality	Choose a scan quality: 150 dots per inch (dpi), 300 dpi, or 600 dpi.
Original Size	Set the size of the original document: Auto Detect, L, 2L, A6, A5, B5, A4, Wallet, 3x5 in, 4x6 in, 4x8 in, 5x7 in, 8x10 in, or letter.
Change Scan Default Settings	Change the default scan settings. These settings include: Color, Quality, and Original Size.

Scanning to a computer over a network using the control panel

- 1 Make sure:
 - The printer is connected to a network through a print server or through the wireless network connection.
 - The printer, the print server (if used), and the computer receiving the scan are all turned on.
 - The printer is configured to scan over a network.

2 Load an original document facedown on the scanner glass.

3 From the control panel, press ▲ or ▼ repeatedly until **Scan** is highlighted.

4 Press .

5 Press ▲ or ▼ repeatedly until the computer to which you want to scan is highlighted.

6 Press √.


If you set a PIN during network setup and are being asked for it:

a Enter the PIN using the ◀ and ▶ to select a digit location and the ▲ and ▼ to select a value for that digit.

b Press √.

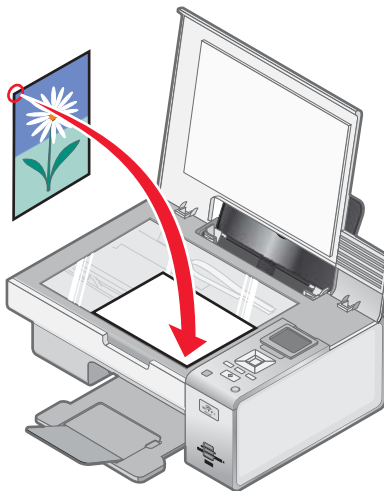
7 Wait until the printer has finished downloading the scan applications list.

8 Make your selections using the control panel buttons.

9 Press .

Saving a scanned image on the computer

- 1 Load an original document facedown on the scanner glass.



2 Close the top cover.

3 From the desktop, double-click the **Productivity Studio** icon.

4 Click **Scan**.

5 Select the **Photo** or **Several Photos** option.

6 Click **Start**.

- 7 From the Save or Edit screen menu bar, click **Save**.
- 8 To save to another folder, click **Browse**, and select a folder. Click **OK**.
- 9 To rename the file, enter the name in the File Name area. To assign the name as a prefix to all of your photos, select the **Start all photos with File Name** check box.
- 10 To save the photo as another file type, select the file type from the File Type drop-down list.
- 11 To select a date for the photo, click the drop-down list, and select a date from the calendar.
- 12 Click **Save**.

Changing the Productivity Studio scan settings

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Tools menu, click **Preferences**.
- 3 Click **Scan Settings**.
 - Select **Always use simple scan settings** to use the default scan settings.
 - Select **Always start scanning with the settings below** to customize the remaining scan settings.
 - From the Color Depth: area, select the color depth from the drop-down list.
 - From the Scan Resolution (Dots per inch): area, select the resolution value from the drop-down list.
 - Click **Auto-crop the scanned item** to use the slider to select your cropped value.
 - Click **Select area to be scanned** to select the value from the drop-down list.
 - Click **Convert images to text with OCR** to convert images to text.
- 4 Click **OK**.

Changing the default scan settings

- 1 From the control panel, press ▲ or ▼ repeatedly until **scan** is highlighted.
- 2 Press √.
- 3 If your printer is connected to more than one computer:
 - a Press ▲ or ▼ repeatedly until the computer to which you want to scan is highlighted.
 - b Press √.


If you set a PIN during network setup and are being asked for it:

 - 1 Enter the PIN using the ◀ and ▶ to select a digit location and the ▲ and ▼ to select a value for that digit.
 - 2 Press √.
- 4 Wait until the printer has finished downloading the scan applications list.
- 5 Press ▼ repeatedly until **Change Default Settings** is highlighted.
- 6 Press √.

From here	You can
Color	Choose to scan your document in color or black and white.
Quality	Choose a scan quality: Automatic, 150 dots per inch (dpi), 300 dpi, or 600 dpi.

From here	You can
Original Size	Set the size of the original document: Auto Detect, L, 2L, A6, A5, B5, A4, Wallet, 3 in x 5 in, 4 in x 6 in, 4 in x 8 in, 5 in x 7 in, 8 in x 10 in, or letter.

7 Use the control panel buttons to navigate the menu items and make your choices.

8 Press  to save your settings.

Adding a file to an e-mail message

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 Under **Document Management**, click **Work with Documents and Photos**.
- 3 Click **Add**, and select **Add File On My Computer**.
- 4 Open the folder where the file is stored. The thumbnail is displayed in the list of files to be sent.
- 5 Click **Open** to select a file.
- 6 From **Work with Documents and Photos**, select the file that you want to add.
- 7 Click **E-mail** to create an e-mail message with your scanned image(s) attached.

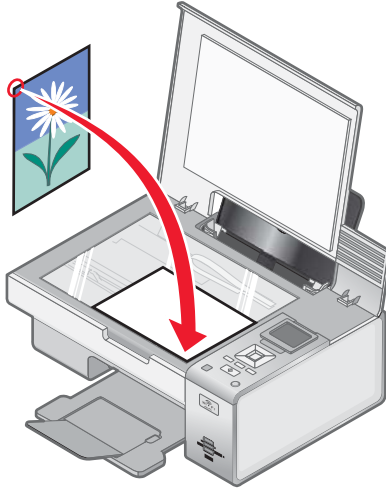
Adding a new scanned image to an e-mail message

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 Place the image facedown on the scanner glass, and close the top cover.
- 3 Click **E-mail**.
- 4 Click **Start**. The image is scanned.
- 5 From the Send Quality and Speed area of the screen, select the image size.
- 6 Click **Create E-mail** to create an e-mail message with your scanned image(s) attached.

Scanning documents or images for e-mailing

You can e-mail attached scanned images using your default e-mail application.

- 1 Load an original document facedown on the scanner glass.



- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 Click **E-mail**.
- 4 Select from the **Photo**, **Several Photos**, or **Document** options.
- 5 Click **Start**.
- 6 If you are scanning a photo, select the Photo Size from the Send Quality and Speed area.
- 7 Click **Create E-mail** to have your images attached to an e-mail message.

Changing the Productivity Studio e-mail screen preferences

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Tools menu, click **Preferences**.
- 3 Click **E-mail Screen**.
 - Click **Remember my last selection** to use the photo size you selected in your most recent e-mail message.
 - Click **Original Size (Good for Printing)** to send photo attachments at their original size.
 - Click **Reduced to: 1024 x 768 (Good for Full-screen Viewing)** to send photo attachments at 1024 x 768 pixels.
 - Click **Reduced to: 640 x 480 (Good for Quick Viewing)** to send photo attachments at 640 x 480 pixels.
- 4 Click **OK**.

Faxing

Receiving a fax automatically

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Settings area in the left pane of the Welcome screen, click **Setup and manage faxes**.
- 3 From the Receiving Faxes screen in the Fax Solutions Software, select **Automatically**, if not already selected by default.
- 4 To set the number of telephone rings before the printer automatically receives faxes, select **Receiving Settings**.
- 5 Click **OK** to save the settings.

Sending a fax using the software

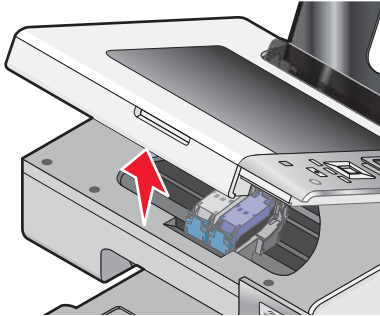
You can scan a document to the computer and then fax it to someone using the software.

- 1 Load an original document facedown on the scanner glass.
- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 From the Welcome Screen, click **Fax**.
- 4 Select the **Document** option.
- 5 Click **Start**.
- 6 Enter the recipient information, and then click **Next**.
Note: A fax number can include up to 64 numbers, commas, periods, spaces, and/or these symbols: * # + - ().
- 7 Enter the cover page information, and then click **Next**.
- 8 If there are any additional documents that you want to send with your fax, add these now, and then click **Next**.
- 9 To send your fax:
 - Immediately—Select the “Send now” option.
 - At a scheduled time:
 - a Select the “Delay sending until” option.
 - b Set a time and date.
- 10 If you want a paper copy of your fax, select **Print a copy of your fax**.
- 11 Click **Send**.

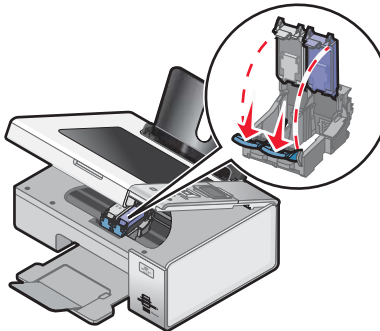
Maintaining the printer

Installing print cartridges

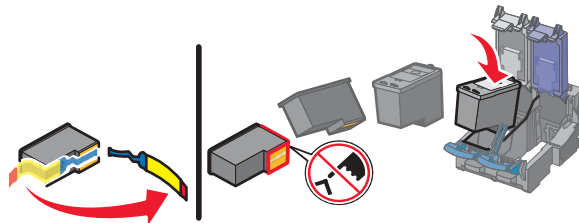
- 1 Open the printer.



- 2 Press down on the cartridge carrier levers.

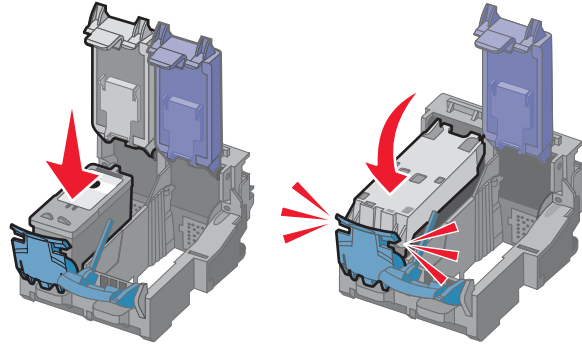


- 3 Remove the used print cartridge or cartridges. For more information, see “Removing a used print cartridge” on page 96.
- 4 If you are installing new print cartridges, remove the tape from the back and bottom of the black cartridge, and insert the cartridge in the left carrier.

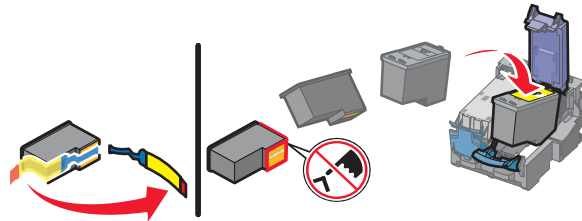


Warning: Do *not* touch the gold contact area on the back or the metal nozzles on the bottom of the cartridge.

5 Close the black cartridge carrier lid.

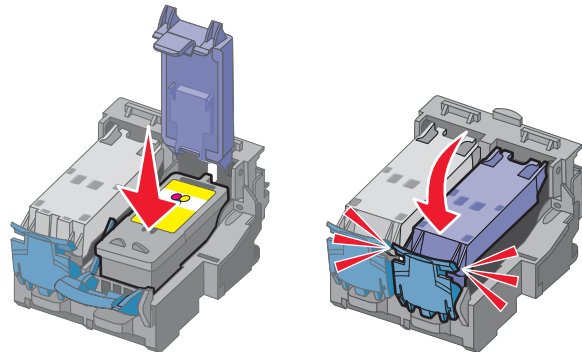


6 Remove the tape from the back and bottom of the color cartridge, and insert the cartridge in the right carrier.

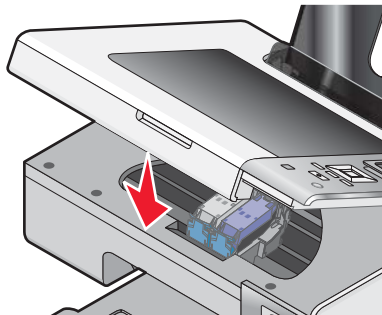


Warning: Do *not* touch the gold contact area on the back or the metal nozzles on the bottom of the cartridge.

7 Close the color cartridge carrier lid.



8 Close the printer, making sure to keep your hands out from underneath the scanner unit.



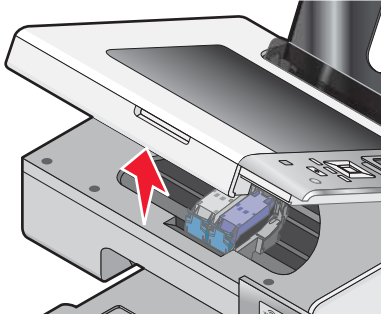
The control panel display will prompt you to load paper and press **✓** to print an alignment page.

Note: The printer must be closed to start a new scan, print, or copy job.

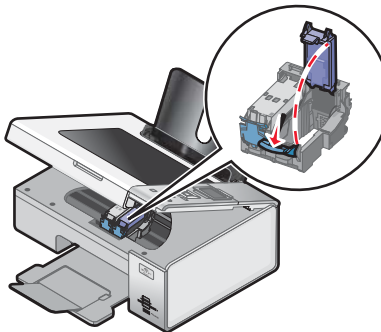
Removing a used print cartridge

- 1 Make sure the printer is on.
- 2 Lift the scanner unit.

The print cartridge carrier moves and stops at the loading position, unless the printer is busy.



- 3 Press down on the cartridge carrier latch to raise the cartridge carrier lid.



- 4 Remove the used print cartridge.

Note: If you are removing both cartridges, repeat step 3 and step 4 for the second cartridge.

Refilling print cartridges

The warranty does not cover repair of failures or damage caused by a refilled cartridge. Lexmark does not recommend use of a refilled cartridge. Refilling a cartridge can affect print quality and may cause damage to the printer. For best results, use Lexmark supplies.

Using genuine Lexmark print cartridges

Lexmark printers, print cartridges, and photo paper are designed to perform together for superior print quality.

If you receive an **Out of Original Lexmark Ink** message, the original Lexmark ink in the indicated cartridge (s) has been depleted.

If you believe you purchased a new, genuine Lexmark print cartridge, but the **Out of Original Lexmark Ink** message appears:

- 1 Click **Learn More** on the message.
- 2 Click **Report a non-Lexmark print cartridge**.

To prevent the message from appearing again for the indicated cartridge(s):

- Replace your cartridge(s) with new Lexmark print cartridge(s).
- If you are printing from a computer, click **Learn more** on the message, select the check box, and click **Close**.
- If you are using the printer without a computer, press **Cancel**.

Lexmark's warranty does not cover damage caused by non-Lexmark ink or print cartridges.

Aligning print cartridges

- 1 Load plain paper.
- 2 Press ▼ repeatedly until **Maintenance** is highlighted.
- 3 Press ✓.
- 4 Press ▼ repeatedly until **Align Cartridges** is highlighted.
- 5 Press ✓.

An alignment page prints.

If you aligned the cartridges to improve print quality, print your document again. If print quality has not improved, clean the print cartridge nozzles.

Cleaning the print cartridge nozzles

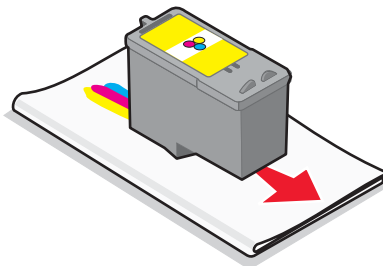
- 1 Load plain paper.
- 2 Press ▲ or ▼ repeatedly until **Maintenance** is highlighted.
- 3 Press ✓.
- 4 Press ▲ or ▼ repeatedly until **Clean Cartridges** is highlighted.
- 5 Press ✓.

A page prints, forcing ink through the print cartridge nozzles to clean them.

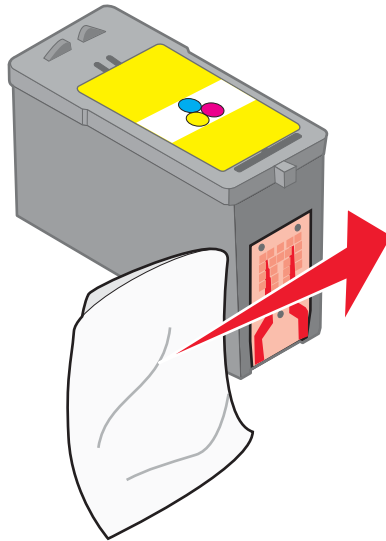
- 6 Print the document again to verify that the print quality has improved.
- 7 If print quality has not improved, try cleaning the nozzles up to two more times.

Wiping the print cartridge nozzles and contacts

- 1 Remove the print cartridges.
- 2 Dampen a clean, lint-free cloth with water, and place the cloth on a flat surface.
- 3 Gently hold the nozzles against the cloth for about three seconds, and then wipe in the direction shown.



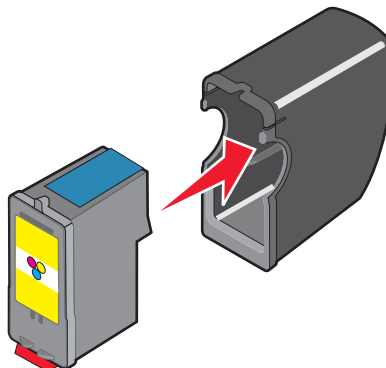
- 4 Using another clean section of the cloth, gently hold the cloth against the contacts for about three seconds, and then wipe in the direction shown.



- 5 With another clean section of the cloth, repeat step 3 and step 4.
- 6 Let the nozzles and contacts dry completely.
- 7 Reinsert the print cartridges.
- 8 Print the document again.
- 9 If the print quality does not improve, clean the print nozzles. For more information, see “Cleaning the print cartridge nozzles” on page 97.
- 10 Repeat step 9 up to two more times.
- 11 If print quality is still not satisfactory, replace the print cartridges.

Preserving the print cartridges

- Keep a new cartridge in its packaging until you are ready to install it.
- Do not remove a cartridge from the printer except to replace, clean, or store it in an airtight container. The cartridges do not print correctly if left exposed for an extended period of time.
- Keep the photo cartridge in its own storage unit when not in use.



Cleaning the scanner glass

- 1 Dampen a clean, lint-free cloth with water.
- 2 Gently wipe the scanner glass clean.

Note: Make sure all ink or corrective fluid on a document is dry before placing the document on the scanner glass.

Cleaning the exterior of the printer

- 1 Make sure that the printer is turned off and unplugged from the wall outlet.



CAUTION: To avoid the risk of electric shock, unplug the power cord from the wall outlet and disconnect all cables to the printer before proceeding.

- 2 Remove paper from the paper support and paper exit tray.
- 3 Dampen a clean, lint-free cloth with water.

Warning: Do not use household cleaners or detergents, as they may damage the finish of the printer.

- 4 Wipe only the outside of the printer, making sure to remove any ink residue that has accumulated on the paper exit tray.

Warning: Using a damp cloth to clean the interior may cause damage to your printer.

- 5 Make sure the paper support and paper exit tray are dry before beginning a new print job.

Ordering supplies

Ordering print cartridges

Lexmark 4800 Series models

Item	Part number	Average cartridge standard page yield is up to ¹
Black cartridge	42A	220
Black cartridge ²	42	220
High yield black cartridge	44	500
Color cartridge	41A	210
Color cartridge ²	41	210
High yield color cartridge	43	350
Photo cartridge	40	Not applicable

¹ Values obtained by continuous printing. Declared yield value in accordance with ISO/IEC 24711.
² Licensed Return Program Cartridge

Ordering paper and other supplies

To order supplies or to locate a dealer near you, visit our Web site at www.lexmark.com.

Notes:

- For best results, use only Lexmark print cartridges.
- For best results when printing photos or other high-quality images, use Lexmark Photo Paper or Lexmark Perfectfinish™ Photo Paper. Do *not* use Lexmark Premium Photo Paper. Your print cartridges are not compatible with this type of paper.
- To prevent smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the sheets to dry at least 24 hours before stacking, displaying, or storing.

Item	Part Number
USB cable	1021294
For more information, go to www.lexmark.com .	


Paper	Paper size
Lexmark Photo Paper	<ul style="list-style-type: none">• Letter• A4• 4 x 6 in.• 10 x 15 cm
Lexmark PerfectFinish Photo Paper	<ul style="list-style-type: none">• Letter• A4• 4 x 6 in.• 10 x 15 cm• L

Note: Availability may vary by country or region.

For information on how to purchase Lexmark Photo Paper or Lexmark PerfectFinish Photo Paper in your country or region, go to www.lexmark.com.

Troubleshooting

If you set up your printer on a wireless network, make sure:

- The wireless network is working properly.
- The computer and printer are both connected to the same wireless network.
- The printer is within the range of the wireless network. The effective range for optimal performance is generally 100–150 feet.
- The printer is located away from other electronic devices that may interfere with the wireless signal.
- The power supply is connected to the printer, and  is lit.
- The Wi-Fi indicator light is green.
- The printer driver is installed on the computer from which you are performing a task.
- The correct printer port is selected.

Setup Troubleshooting

Incorrect language appears on the display


These are possible solutions. Try one of the following:

Change the language selection during initial setup

After you select a language, **Language** appears again on the display. To change the selection:

- 1 Press ◀ or ▶ repeatedly until the language you want appears on the display.
- 2 Press ✓ to save.

Select a different language after initial setup


- 1 From the control panel, press ◀ or ▶ repeatedly to choose **Setup**.
- 2 Press ✓.
- 3 Press ◀ or ▶ repeatedly to choose **Change Printer Default Settings**.
- 4 Press ✓.
- 5 Press ▲ or ▼ repeatedly to choose **Language**.
- 6 Press ✓.
- 7 Press ◀ or ▶ repeatedly until the language you want appears on the display.
- 8 Press  to save and exit.

Note: If you cannot understand the language on the display, see “Resetting the printer to factory default settings” on page 57.

Power button is not lit

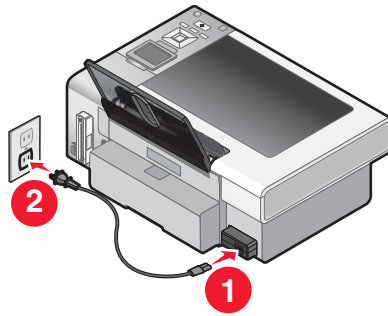
These are possible solutions. Try one or more of the following:

Press power button

Make sure the printer is on by pressing .

Disconnect and reconnect the power cord

- 1 Disconnect the power cord from the wall outlet, and then from the printer.
- 2 Plug the cord all the way into the power supply on the printer.



- 3 Plug the cord into an electrical outlet that other electrical devices have been using.
- 4 If the ⏻ light is not on, press ⏻.

Software does not install

These are possible solutions. Try one or more of the following:

Check your operating system

The following operating systems are supported: Windows Vista, Windows XP, Windows 2000, and Mac OS X versions 10.34 and 10.4 (not versions 10.0, 10.1, or 10.2).

Note: Windows 2000 users should use Service Pack 3 or later.

Check your system requirements

Check that your computer meets the minimum system requirements listed on the printer box.

Check USB connection

- 1 Check the USB cable for any obvious damage.
- 2 Firmly plug the square end of the USB cable into the back of the printer.
- 3 Firmly plug the rectangular end of the USB cable into the USB port of the computer.

The USB port is marked with the  USB symbol.



Check wireless connection

Check that the Wi-Fi indicator light is on. For more information, see “Understanding the parts of the printer” on page 16.

Reinstall the software

- 1 Turn off and then restart your computer.
- 2 Click **Cancel** on all New Hardware Found screens.
- 3 Insert the CD, and then follow the instructions on the computer screen to reinstall the software.

Reconnect power supply

- 1 Press  to turn the printer off.
- 2 Disconnect the power cord from the wall outlet.
- 3 Gently remove the power supply from the printer.
- 4 Reconnect the power supply to the printer.
- 5 Plug the power cord into the wall outlet.
- 6 Press  to turn the printer on.

Disable anti-virus programs

- 1 Close all open software applications.
- 2 Disable any antivirus programs.
- 3 Double-click the **My Computer** icon.
In Windows XP, click **Start** to access the My Computer icon.
- 4 Double-click the **CD-ROM drive** icon.
- 5 If necessary, double-click **setup.exe**.
- 6 Follow the instructions on the computer screen to install the software.

Uninstall and reinstall software

Uninstall the printer software, and then reinstall it. For more information, see “Removing and reinstalling the software” on page 105.


Page does not print

These are possible solutions. Try one or more of the following:

Check messages

If an error message is displayed, resolve the error before trying to print again.

Check power

If the  light is not on, make sure the printer is plugged into a properly grounded outlet. Make sure the power cord is properly connected to the printer.

Reload paper

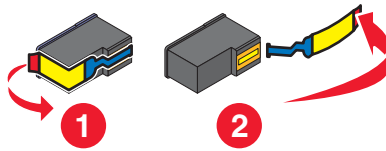
Remove and then load paper.

Check ink

Check the ink levels, and install new print cartridges if necessary.


Check cartridges

- 1 Remove the print cartridges.
- 2 Make sure the sticker and tape have been removed.





- 3 Reinsert the cartridges.

Check printer default and pause settings

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel**.
 - In Windows XP, click **Start**.
- 2 Click **Printers** → **Printers and Faxes**.
- 3 Double-click the printer queue device.
- 4 Click **Printer**.
 - Make sure no check mark appears next to **Pause Printing**.
 - If a check mark does not appear next to **Set As Default Printer**, you must select the print queue device for each file you want to print.

Reconnect power supply

- 1 Press  to turn the printer off.
- 2 Disconnect the power cord from the wall outlet.
- 3 Gently remove the power supply from the printer.
- 4 Reconnect the power supply to the printer.
- 5 Plug the power cord into the wall outlet.
- 6 Press  to turn the printer on.

Remove and reinstall the software

Uninstall the printer software, and then reinstall it.


Understanding Warning levels

- A green check indicates system requirements were met.
- A yellow question mark indicates system requirements were not met. Most major functions will work, but you may experience some performance impact.
- A red question mark indicates system requirements were not met. Most major functions may not work.
- A red X indicates system requirements were not met. Installation will not continue.

For proper installation, make sure the computer supports all system requirements. System requirements are located on the printer box.

Removing and reinstalling the software

If the printer is not functioning properly, or if a communications error message appears when you try to use the printer, you may need to remove and reinstall the printer software.

- 1 In Windows Vista, click . In Windows XP or earlier, click **Start**.
- 2 Click **Programs** or **All Programs → Lexmark 4800 Series**.
- 3 Select **Uninstall**.
- 4 Follow the instructions on the computer screen to remove the printer software.
- 5 Restart the computer before reinstalling the printer software.
- 6 Click **Cancel** on all New Hardware Found screens.
- 7 Insert the CD, and then follow the instructions on the computer screen to reinstall the software.

Note: If the install screen does not appear automatically after you restart your computer, click **Start → Run**, and then type **D:\setup**, where **D** is the letter of your CD-ROM drive.

If the software still does not install correctly, visit our Web site at www.lexmark.com to check for the latest software.


- 1 In all countries or regions except the United States, select your country or region.
- 2 Click the links for drivers or downloads.
- 3 Select your printer family.
- 4 Select your printer model.
- 5 Select your operating system.
- 6 Select the file you want to download, and then follow the directions on the computer screen.

Enabling the USB port

To confirm that the USB port is enabled on the computer:

- 1 Open the Device Manager.

In Windows Vista:

- a Click  → **Control Panel**.
- b Click **System and Maintenance** → **System**.
- c Click **Device Manager**.

In Windows XP:

- a Click **Start**.
- b Click **Control Panel** → **Performance and Maintenance** → **System**.
- c From the Hardware tab, click **Device Manager**.

In Windows 2000:

- a Click **Start**.
- b Click **Settings** → **Control Panel** → **System**.
- c From the Hardware tab, click **Device Manager**.

- 2 Click the plus sign (+) beside **Universal Serial Bus Controller**.

If USB Host Controller and USB Root Hub are listed, then the USB port is enabled.

For more information, see the computer documentation.

Solving printer communication problems

The printer and the computer cannot exchange data.


These are possible solutions. Try one or more of the following:

Establish bidirectional communication between the printer and the computer

For more information, see “Bidirectional communication is not established” on page 135.

Make sure the printer is not in sleep mode

If the power light is blinking on and off slowly, the printer is in sleep mode.

- 1 Unplug the power cable from the wall outlet.
- 2 Wait ten seconds, and then insert the power cable into the wall outlet.
- 3 Press  to turn the printer on.

Wireless troubleshooting

How do I find out what type of security my network is using?

You must know the security key and security mode in order to properly set up the printer for use on the wireless network. To obtain this information, see the documentation that came with your wireless router, see the Web page associated with the router, or consult the person who set up your wireless network.

Check your security keys

A security key is like a password. All devices on the same network share the same security key.

Note: Make sure you copy down the security key exactly, including any capital letters, and store it in a safe place for future reference.

The security key must follow the following criteria.

WEP key


- Exactly 10 or 26 hexadecimal characters. Hexadecimal characters are A–F and 0–9.
- Exactly 5 or 13 ASCII characters. ASCII characters are letters, numbers, and symbols found on a keyboard.

WPA-PSK or WPA2-PSK key

- Up to 64 hexadecimal characters. Hexadecimal characters are A–F and 0–9.
- Between 8 and 64 ASCII characters. ASCII characters are letters, numbers, and symbols found on a keyboard.

Printer is configured correctly, but cannot be found on the network

Make sure:

- The printer has power and the  light is on.
- The printer is within range of the wireless network.
- The printer is located away from other electronic devices that may interfere with the wireless signal.
- Your wireless network is using a unique network name (SSID). If not, it is possible that the printer/print server is communicating over a different, nearby network that uses the same network name.
- The printer has a valid IP address on the network.

Wireless network printer does not print

These are possible solutions. Try one or more of the following:

Check power

Make sure the  light is on.

Check cable

- Make sure the power cable is connected to the printer and to the electrical outlet.
- Make sure the USB cable or the installation cable is not connected.


Check Wi-Fi indicator light

Make sure the Wi-Fi indicator light is green. If it is not green, see “Wi-Fi indicator light is orange” or “Wi-Fi indicator light is blinking orange during installation” in “Wireless troubleshooting.”

Check if printer driver is installed

Make sure the printer driver is installed on the computer from which you are sending the print job.

1 Do one of the following:

- In Windows Vista, click:  → **Control Panel** → **Printers**.
- In Windows XP, click: **Start** → **Settings** → **Printers and Faxes**.
- In Windows 2000 and earlier, click: **Start** → **Settings** → **Printers**.

If you cannot find the icon for your printer, then the printer driver is not installed.

2 If the printer driver is not installed, insert the installation software CD into your computer.

3 Follow the instructions on the computer screen.

Note: You must install the printer driver on each computer that uses the network printer.

Check if printer is connected to the wireless network

1 Print a network setup page. For more information, see “Printing a network setup page.”

2 Check to see if “Status: Connected” appears under Network Card.


Reboot the computer

Turn off and restart the computer.

Check printer ports

Make sure the correct printer port is selected.

1 Click:

- In Windows Vista:  → **Control Panel** → **Printers**.
- In Windows XP: **Start** → **Settings** → **Printers and Faxes**.
- In Windows 2000 and earlier: **Start** → **Settings** → **Printers**.

2 Right-click the **Lexmark 4800 Series** icon.

3 Click **Properties** → **Ports**.

- 4 Verify that **XXXX_Series_nnnnnn_P1** is selected, where XXXX is the model series number of your printer and nnnnnn is the last six numbers of the MAC address of your printer.

Note: The MAC address is located at the back of the printer beside the serial number.

- 5 If **USB** is selected instead:

- a Select the port name from step 4.
- b Click **Apply**.
- c Close the window, and try printing again.

Reinstall software

Uninstall and then reinstall the printer software.

Note: If more than one printer appears in the "Select your printer" list, pick the printer with the MAC address that matches the address on the back of your printer.

Wi-Fi indicator is not lit

These are possible solutions. Try one or more of the following:

Check power

Make sure the printer power light is on. For more information, see "Power button is not lit".

Remove and reinstall the optional internal print server

Note: This solution does *not* apply to printers that came with the internal wireless print server already installed.

Reinstall the internal wireless print server. For more information, see "Installing an optional internal wireless print server".

Wi-Fi indicator light is blinking orange during installation

When the Wi-Fi indicator light is blinking orange, it indicates that the printer has been set up for wireless networking but cannot connect to the network for which it has been configured. The printer may be unable to join the network because of interference or its distance from the wireless access point (wireless router), or until its settings are changed.

These are possible solutions. Try one or more of the following:

Make sure the access point is on

Check the access point and, if necessary, turn it on.

Move your wireless access point (wireless router) to minimize interference

There may be temporary interference from other devices such as microwave ovens or other appliances, cordless phones, baby monitors, and security system cameras. Make sure your wireless access point (wireless router) is not positioned too closely to these devices.

Try adjusting external antennas

Generally, antennas work best if they are pointing straight up. You may find, however, that reception improves if you experiment with different angles for your printer and/or wireless access point (wireless router) antennas.

Move your computer and/or printer

Move the computer and/or printer closer to the wireless access point (wireless router). Although the possible distance between devices in 802.11b or 802.11g networks is 300 feet, the effective range for optimal performance is generally 100–150 feet.

You can find the signal strength of the network on the network setup page. For information on how to print a setup page, see “Printing a network setup page” on page 34.



Check security keys

Make sure security keys are correct. For more information, see “Check your security keys” on page 106.

Check MAC address


If your network uses MAC address filtering, provide the MAC address for the printer to your network. If you need help finding the MAC address, see “Finding the MAC address” on page 33.

Ping the wireless access point (wireless router) to make sure the network is working

- 1 If you do not already know it, find the IP address of the access point.
 - a Click:
 - In Windows Vista:  → **All Programs** → **Accessories** → **Command Prompt**.
 - In Windows XP and earlier: **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.
 - b Type **ipconfig**.
 - c Press **Enter**.
 - The “Default Gateway” entry is typically the wireless access point (wireless router).
 - The IP address appears as four sets of numbers separated by periods, such as 192.168.0.100. Your IP address might also start with the numbers 10 or 169. This is determined by your operating system or wireless network software.
- 2 Ping the wireless access point (wireless router).
 - a Click:
 - In Windows Vista:  → **All Programs** → **Accessories** → **Command Prompt**.
 - In Windows XP and earlier: **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.
 - b Type **ping** followed by a space and the IP address of the wireless access point (wireless router). For example:

```
ping 192.168.0.100
```
 - c Press **Enter**.
- 3 If the wireless access point (wireless router) responds, you will see several lines appear that start with “Reply from”. Turn off and restart the printer.
- 4 If the wireless access point (wireless router) does not respond, it will take several seconds and then you will see “Request timed out.”

Try the following:

- a Click:
 - In Windows Vista:  → **Control Panel** → **Network and Internet** → **Network and Sharing Center**
 - In Windows XP and earlier: **Start** → **Settings** or **Control Panel** → **Network Connection**

- b** Select the appropriate connection from the ones shown.

Note: If the computer is connected to the access point (router) by an Ethernet cable, the connection may not include the word “wireless” in its name.

- c** Right-click the connection, and then click **Repair**.


Run the wireless setup again

If your wireless settings have changed, you must run the printer wireless setup again. Some reasons your settings may have changed include your having manually changed your WEP or WPA keys, channel, or other network settings; or the wireless access point (wireless router) having been reset to factory defaults.

Notes:

- If you change network settings, change them on all the network devices before changing them for the wireless access point (wireless router).
- If you have already changed the wireless network settings on your wireless access point (wireless router), you must change the settings on all the other network devices before you can see them on the network.

1 Click:

- In Windows Vista: .
- In Windows XP and earlier: Start.

2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.

3 Click **Wireless Setup**.

Note: You may be prompted to connect the printer to the computer again using the installation cable as part of the setup process.

4 Follow the instructions on the computer screen.

Wi-Fi indicator light is orange

These are possible solutions. Try one or more of the following:

Check cable

Make sure the installation cable is not connected to the printer.

Configure the optional internal wireless print server

Note: This solution does not apply to printers that have a pre-installed internal wireless print server.

If you purchased the optional internal wireless print server after your printer was already set up, see “Configuring the optional internal wireless print server” in the “Setting up the printer” chapter.

Check network name

Make sure your network does not have the same name as another network near you. For example, if you and your neighbor both use a manufacturer's default network name, your printer could be connecting to your neighbor's network.

If you are not using a unique network name, consult the documentation for your wireless access point (wireless router) to learn how to set a network name.

If you set a new network name, you must reset the printer and computer SSID to the same network name.

For more information, see “Checking your network name” in the “Wireless troubleshooting” section.

Check security keys

Make sure security keys are correct. For more information, see “Check your security keys” on page 106.

Move your computer and/or printer

Move the computer and/or printer closer to the wireless access point (wireless router). Although the possible distance between devices in 802.11b or 802.11g networks is 300 feet, the effective range for optimal performance is generally 100–150 feet.

You can find the signal strength of the network on the network setup page. For information on how to print a setup page, see “Printing a network setup page” on page 34.

Check MAC address

If your network uses MAC address filtering, provide the MAC address for the printer to your network. If you need help finding the MAC address, see “Finding the MAC address” on page 33.

Wireless printer is no longer working

These are possible solutions. Try one or more of the following:

Check power

- Make sure the printer power light is on. For more information, see “Power button is not lit” in the “Troubleshooting” chapter.
- Make sure the wireless access point (wireless router) is on.

Move your wireless access point (wireless router) to minimize interference

There may be temporary interference from other devices such as microwaves or other appliances, cordless phones, baby monitors, and security system cameras. Make sure your wireless access point (wireless router) is not positioned too closely to these devices.

Move your computer and/or printer

Move the computer and/or printer closer to the wireless access point (wireless router). Although the possible distance between devices in 802.11b or 802.11g networks is 300 feet, the effective range for optimal performance is generally 100–150 feet.

You can find the signal strength of the network on the network setup page. For more information, see “Printing a network setup page” in the “Networking” chapter.

Try adjusting external antennas

Generally, antennas work best if they are pointing straight up. You may find, however, that reception improves if you experiment with different angles for your printer and/or wireless access point (wireless router) antennas.

Check network name

The network name, or SSID (Service Set Identifier) is a setting on a wireless device that allows devices to join the same wireless network.

For more information, see “Checking your network name” for Windows or Mac in the “Wireless troubleshooting” section.

Reboot the computer

Turn off and restart the computer.

Ping the wireless access point

Ping the wireless access point (wireless router) to make sure the network is working.

For more information, see “Ping the access point” for Windows or Mac in the “Wireless troubleshooting” section

Ping the printer

Ping the printer to make sure it is on the network.

For more information, see “Ping the printer” for Windows or Mac in the “Wireless troubleshooting” section.

Run the wireless setup again

If your wireless settings have changed, you will need to run the printer wireless setup again. Some reasons your settings may have changed include your having manually changed your WEP or WPA keys, channel, or other network settings, or the wireless access point (wireless router) having been reset to factory defaults.

Notes:

- If you change network settings, change them on all the network devices before changing them for the wireless access point (wireless router).
- If you have already changed the wireless network settings on your wireless access point (wireless router), you must change the settings on all the other network devices before you can see them on the network.

For more information, see “Run the Wireless Setup Utility” for Windows or “Run the Wireless Setup Assistant” for Mac.


Network printer does not show up in the printer selection list during installation

Check whether the printer is on the same wireless network as the computer

The SSID of the printer must match the SSID of the wireless network.

- 1 If you do not know the SSID of the network, use the following steps to obtain it before rerunning the Wireless Setup Utility.
 - a Enter the IP address of your wireless access point (wireless router) into the Web address field of your browser.

If you do not know the IP address of the wireless access point (wireless router):

 - 1 Do one of the following:
 - In Windows Vista, click  → **All Programs** → **Accessories** → **Command Prompt**.
 - In Windows XP, click **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.
 - 2 Type **ipconfig**.
 - 3 Press **Enter**.
 - The “Default Gateway” entry is typically the wireless access point (wireless router).
 - The IP address appears as four sets of numbers separated by periods, such as 192.168.0.100.
 - b Enter your user name and password when prompted.
 - c Click **OK**.
 - d On the main page, click **Wireless** or any other selection where settings are stored. The SSID will be displayed.
 - e Write down the SSID, security type, and the security keys if they are shown.

Note: Make sure you copy them down exactly, including any capital letters.

2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.

3 Click **Wireless Setup**.

Note: You may be prompted to connect the printer to the computer again using the installation cable as part of the setup process.

4 Follow the instructions on the computer screen, including typing in the SSID of the wireless access point (wireless router) and the security keys when prompted.

5 Store the SSID and the security keys in a safe place for future reference.

Printer cannot connect to the wireless network

These are possible solutions. Try one or more of the following:

Make sure your computer is connected to your wireless access point (wireless router)


- See whether you have access to the Internet by opening your Web browser and accessing any site.
- If there are other computers or resources on your wireless network, check to see if you can access them from your computer.

Move the computer and/or printer closer to the wireless router

Although the possible distance between devices in 802.11b or 802.11g networks is 300 feet, the effective range for optimal performance is generally 100–150 feet.

Try setting up the printer again by rerunning the Wireless Setup Utility.

1 Select one of the following:

- In Windows Vista, click .
- In Windows XP and earlier: Click **Start**.

2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.

3 Click **Wireless Setup**.

Note: You may be prompted to connect the printer to the computer again using the installation cable as part of the setup process.

4 Follow the instructions on the computer screen.

Check whether the printer is on the same wireless network as the computer


The SSID of the printer must match the SSID of the wireless network.

If you do not know the SSID of the network, use the following steps to obtain it, and then rerun the Wireless Setup Utility to set up the printer again.

1 Enter the IP address of your wireless access point (wireless router) into your browser's Web address field.

If you do not know the IP address of the wireless access point (wireless router):

a Click:

- In Windows Vista:  → **All Programs** → **Accessories** → **Command Prompt**.
- In Windows XP and earlier: **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.

b Type **ipconfig**.

c Press **Enter**.

- The “Default Gateway” entry is typically the wireless access point (wireless router).
- The IP address appears as four sets of numbers separated by periods, such as 192.168.0.100. Your IP address might also start with the numbers 10 or 169. This is determined by your operating system or wireless network software.

2 Enter your user name and password when prompted.

3 Click **OK**.

4 On the main page, click **Wireless** or other selection where settings are stored. The SSID will be displayed.

5 Write down the SSID, security type, and the security keys if they are shown.

Note: Make sure you copy them down exactly, including any capital letters.

6 Store the SSID and the security keys in a safe place for future reference.

Check your security keys

A security key is like a password. All devices on the same network will share the same security key.

- If you are using the WPA type of security, make sure you entered the correct key. Security keys are case sensitive.
- If you are using the WEP type of security, you should enter the key as a series of digits (0–9) and letters (A–F).

Note: If you do not know this information, see the documentation that came with the wireless network, or contact the person who set up your wireless network.

Check your advanced security settings

- If you are using MAC address filtering to limit access to your wireless network, you must add the printer's MAC address to the list of addresses allowed to connect to your wireless access point (wireless router).
- If you set your wireless access point (wireless router) to issue a limited number of IP addresses, you must change this so that the printer can be added.

Note: If you do not know how to make these changes, see the documentation that came with the wireless network, or contact the person who set up your wireless network.


Wireless Setup Utility cannot communicate with the printer during installation (Windows users only)

These are possible solutions for Windows users. Try one or more of the following:

Check power

If the  light is not on, see “Power button is not lit”.

Check the installation cable

- 1** Disconnect the installation cable and check it for any obvious damage.
- 2** Firmly plug the rectangular end of the USB cable into the USB port of the computer.
The USB port is marked with the  USB symbol.
- 3** Firmly plug the square end of the USB cable into the USB port on the back of the printer.
- 4** Cancel the software installation.
- 5** Click **Programs** or **All Programs** → **Lexmark 4800 Series**.

6 Click **Wireless Setup Utility**.

7 Follow the prompts on the computer screen to reinstall the software.

Checking your network name (Windows users only)

Make sure your network does not have the same name as another network near you. For example, if you and your neighbor both use a manufacturer's default network name, your printer could be connecting to your neighbor's network.

If you are not using a unique network name, consult the documentation for your wireless access point (wireless router) to learn how to set a network name.

If you set a new network name, you must reset the printer and computer SSID to the same network name.

- To reset the computer network name, see the documentation that came with your computer.
- To reset the printer name:
 - 1 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.
 - 2 Click **Wireless Setup Utility**.
 - 3 Follow the instructions on the computer screen, and enter the new network name when prompted.

Ping the access point

1 If you do not already know it, find the IP address of the wireless access point (wireless router).

a Do one of the following:

- In Windows Vista, click  → **All Programs** → **Accessories** → **Command Prompt**.
- In Windows XP, click **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.

b Type **ipconfig**.

c Press **Enter**.

- The “Default Gateway” entry is typically the wireless access point (wireless router).
- The IP address appears as four sets of numbers separated by periods, such as 192.168.0.100.

2 Ping the wireless access point (wireless router).

a Do one of the following:

- In Windows Vista, click  → **All Programs** → **Accessories** → **Command Prompt**.
- In Windows XP, click **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.

b Type **ping** followed by a space and the IP address of the wireless access point (wireless router). For example:

```
ping 192.168.0.100
```

c Press **Enter**.

3 If the wireless access point (wireless router) responds, you will see several lines appear that start with “Reply from”. Turn off and restart the printer.

4 If the wireless access point (wireless router) does not respond, after several seconds you will see “Request timed out.”

a Do one of the following:

- In Windows Vista, click the  → **Control Panel** → **Network and Internet** → **Network and Sharing Center**.
- In Windows XP, click **Start** → **Settings** or **Control Panel** → **Network Connection**.

- b** Select the appropriate connection from the ones shown.

Note: If the computer is connected to the access point (router) by an Ethernet cable, the connection may not include the word “wireless” in its name.

- c** Right-click the connection, and then click **Repair**.

Ping the printer

- 1** Do one of the following:

- In Windows Vista, click  → **All Programs** → **Accessories** → **Command Prompt**.
- In Windows XP, click **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.

- 2** Type **ping** followed by the IP address of the printer. For example,

```
ping 192.168.0.25
```

- 3** Press **Enter**.


- 4** If the printer responds, you will see several lines appear that start with “Reply from”.

Turn off and restart the printer, and then try resending your print job.

- 5** If the printer does not respond, you will see “Request timed out.”

- a** Check that the computer has a wireless IP address.

- 1** Do one of the following:

- In Windows Vista, click  → **All Programs** → **Accessories** → **Command Prompt**.
- In Windows XP, click **Start** → **Programs** or **All Programs** → **Accessories** → **Command Prompt**.

- 2** Type **ipconfig**.

- 3** Press **Enter**.

- 4** Check the Windows IP Configuration screen that appears for the wireless IP address of the computer.

Note: Your computer may have an IP address for a wired network, a wireless network, or both.

- 5** If your computer does not have an IP address, see the documentation that came with your wireless access point (wireless router) to learn how to connect your computer to the wireless network.

- b** The printer may need to be reconfigured for new wireless network settings. For more information, see “Run the Wireless Setup Utility”.

Run the Wireless Setup Utility (Windows users only)

- 1** Click **Programs** or **All Programs** → **Lexmark 4800 Series**.

- 2** Click **Wireless Setup Utility**.

Note: You may be prompted to connect the printer to the computer again using the installation cable as part of the setup process.

- 3** Follow the instructions on the computer screen.

Changing wireless settings after installation

To change your password, network name, or other wireless setting, rerun the wireless setup. For more information, see “Run the Wireless Setup Utility” for Windows or the “Run the Wireless Setup Assistant” for Mac.

Resetting an internal wireless print server to factory default settings

- 1 From the control panel, press ▲ or ▼ repeatedly until **Setup** appears.
- 2 Press √.
- 3 Press ▲ or ▼ repeatedly until **Network Setup** appears.
- 4 Press √.
- 5 Press ▲ or ▼ repeatedly until **Reset Network Adapter Defaults** appears.
- 6 Press √.

The following message appears: **This will reset all wireless network settings. Are you sure?**

- 7 Press √ to select **Yes**.

The message **Clearing Network Settings** appears.

Check printer ports (Windows users only)

Make sure the correct printer port is selected.

- 1 Click **Start → Control Panel → Printers**.
- 2 Right-click **Lexmark XXXX**, where XXXX is the model series number of your printer.
- 3 Click **Properties → Ports**.
- 4 Verify that **XXXX_Series_nnnnnn_P1** is selected, where XXXX is the model series number of your printer and nnnnnn is the last six numbers of the MAC address of your printer.

Note: The MAC address is located at the back of the printer beside the serial number.

- 5 If **USB** is selected instead:
 - a Select the port name from step 4.
 - b Click **Apply**.
 - c Close the window, and try printing again.

Print troubleshooting

Partial 4 x 6 in. (10 x 15 cm) photo prints when using a PictBridge-enabled digital camera



Make sure photo size and paper size are set correctly


The printer displays **Paper Mismatch** when your chosen photo size does not match the paper size that is set. This typically happens when you are trying to print from your PictBridge-enabled digital camera. You may have left the printer control panel Photo Size menu item setting at **8.5 x 11 in.** or **5 x 7 in.** size, but your camera has a print size of **4 x 6 in.** or **L**. You need to make sure your chosen photo size on the printer is **4 x 6 in.** or **10 x 15 cm**, depending on the typically used photo size for your country or region.

- Make sure the 4 x 6 in. (10 x 15 cm) photo paper is loaded correctly in the paper support.
- If your camera lets you change the print size setting, change the print size selection to 4 x 6 in. (10 x 15 cm) on the PictBridge-enabled digital camera.

- If your camera does not allow you to change the paper size setting, use the control panel to change the paper size to 4 x 6 in. (10 x 15 cm).
 - 1 Insert the USB cable that came with your camera into the camera, and insert the other end into the PictBridge port on the front of the printer.
 - 2 Turn the camera on, and choose your first photo using the camera control panel.
 - 3 Wait for **PictBridge Printing** to appear on the display of the printer control panel.

Notes:

- If **Paper Mismatch** appears, press **√** to make changes in the Paper Handling screen.
- Press  or  to return to the **Photo Print Settings Menu**.

- 4 Press .
- 5 Press **◀** or **▶** repeatedly until **Photo Size** appears.
- 6 Press **√**.
- 7 Press **◀** or **▶** repeatedly until **10 x 15 cm** or **4 x 6 in.** appears.
- 8 Press **√**.
- 9 Press **◀** or **▶** repeatedly until **Paper Setup** appears.
- 10 Press **√**.
- 11 Press **◀** or **▶** repeatedly until **Paper Size** appears.
- 12 Press **√**.
- 13 Press **◀** or **▶** repeatedly until **10 x 15 cm** or **4 x 6 in.** appears.
- 14 Press **√**.
- 15 Press **Start Color** or **Start Black**.

Improving print quality

These are possible solutions. Try one or more of the following:

Check paper

- Use the appropriate paper for the document. If you are printing photos or other high-quality images, for best results use Lexmark Photo Paper or Lexmark PerfectFinish Photo Paper. Do not use Lexmark Premium Photo Paper. Your print cartridges are not compatible with this type of paper.
- Use a paper that is a heavier weight or bright white.

Select a higher print quality

- 1 Press **▲** or **▼** to choose **Copy**, **Scan**, or **Photo**.
- 2 Press **√**.
- 3 Press **▲** or **▼** repeatedly to choose **Quality**.
- 4 Press **√**.
- 5 Press **▲** or **▼** repeatedly to choose the quality that you want.
- 6 Press **√**.

Check print cartridges

If the document still does not have the print quality you want, follow these steps:

- 1 Align the print cartridges. For more information, see “Aligning print cartridges” on page 97. If print quality has not improved, continue to the next step.
- 2 Clean the print cartridge nozzles. For more information, see “Cleaning the print cartridge nozzles” on page 97. If print quality has not improved, continue to the next step.
- 3 Remove and reinsert the print cartridges. For more information, see “Removing a used print cartridge” on page 96. If print quality has not improved, continue to the next step.
- 4 Wipe the print nozzles and contacts. For more information, see “Wiping the print cartridge nozzles and contacts” on page 97.

If print quality is still not satisfactory, replace the print cartridges. For more information, see “Ordering supplies” on page 99.

Poor text and graphic quality

- Blank pages
- Dark print
- Faded print
- Incorrect colors
- Light and dark bands in print
- Skewed lines
- Smudges
- Streaks
- White lines in print

These are possible solutions. Try one or more of the following:

Check ink

Check the ink levels, and install new print cartridges if necessary.

Remove sheets as they are printed

To avoid ink smudging when you are working with the following media, remove each sheet as it exits, and allow it to dry:

- Documents with graphics or images
- Photo paper
- Heavyweight matte or glossy paper
- Transparencies
- Labels
- Envelopes
- Iron-on transfers

Note: Transparencies may take up to 15 minutes to dry.

Use a different brand of paper

Each paper brand accepts ink differently and prints with color variations. If you are printing photos or other high-quality images, for best results use Lexmark photo papers.

Check paper condition

Use only new, unwrinkled paper.

Removing and reinstalling the software

Software may not be installed correctly.

Poor quality at the edges of the page

These are possible solutions. Try one or more of the following:

Check minimum print settings


Unless you are using the borderless feature, use these minimum print margin settings:

- Left and right margins:
 - 6.35 mm (0.25 in.) for letter-size paper
 - 3.37 mm (0.133 in.) for all paper sizes except letter
- Top margin: 1.7 mm (0.067 in.)
- Bottom margin: 12.7 mm (0.5 in.)


Select the Borderless print feature

- 1 From the software application, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 Click **Print Layout**.
- 4 Click **Borderless**.

Select the Borderless resize feature (when copying)

- 1 From the control panel, press ▲ or ▼ repeatedly to choose **Copy**.
- 2 Press √.
- 3 Press ▲ or ▼ repeatedly to choose **Resize**.
- 4 Press √.
- 5 Press ▲ or ▼ repeatedly to choose **Borderless**.
- 6 Press √.
- 7 Press **Start**, or press  to temporarily save settings.

Select the Borderless photo feature (when printing photos)

- 1 From the control panel, press ▲ or ▼ repeatedly to choose **Photo**.
- 2 Press √.
- 3 Press ▲ or ▼ repeatedly to choose **Layout**.
- 4 Press √.
- 5 Press ◀ or ▶ repeatedly to choose **Borderless**.
- 6 Press √.
- 7 Press **Start**, or press  to temporarily save settings.

Make sure you use photo paper

Borderless printing requires photo paper. Small margins are printed when you select the Borderless feature when you are printing on plain paper.

Make sure the paper size matches the printer setting

- 1 From the software application, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 Click **Paper Setup**.
- 4 Check the paper size.

Print speed is slow

These are possible solutions. Try one or more of the following:

Maximize computer processing speed

- Close all applications not in use.
- Minimize the number and size of graphics and images in the document.
- Remove as many unused fonts as possible from your system.

Add memory

Consider purchasing more RAM.

Select a lower print quality

- 1 From the software application, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 Click **Quality/Copies**.
- 4 From the Quality/Speed area, select a lower print quality.

Remove and reinstall the software

It is sometimes helpful to remove the existing printer software and reinstall it.

Partial document or photo prints

These are possible solutions. Try one or more of the following:

Check document placement

Make sure the document or photo is loaded facedown on the scanner glass in the lower right corner.

Check paper size

Make sure the paper size being used matches the document or photo size you selected.

Photo smudges or scratches

To prevent photo smudging or scratching, avoid touching the printed surface with your fingers or sharp objects. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

Checking the print cartridges

Are the print cartridges properly installed?


For more information, see “Installing print cartridges” on page 94.

Are the sticker and tape removed from the cartridges?

Lift the scanner unit. Press down on the cartridge carrier latches to raise the cartridge carrier lids.

Are the cartridges low on ink?

1 Do one of the following:

- In Windows Vista, click .
- In Windows XP and earlier, click **Start**.

2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.

3 Click **Solution Center**.

4 If an exclamation point (!) appears on a cartridge, the ink level is low. Install a new cartridge. For more information, see “Installing print cartridges” on page 94.

For cartridge-ordering information, see “Ordering supplies” on page 99.

Ink levels seem incorrect

These are possible solutions. Try one or more of the following:

Are you printing graphics or photos?

When you print documents with a large number of graphics, or with the Photo Quality/Speed setting, the printer uses more ink. The type of documents you print and the print quality you select affect the amount of ink the printer uses.

Are you printing a large file?

The ink levels displayed in the printer software are not updated during a print job; they represent the ink level at the beginning of a print job. The ink levels may seem inconsistent in the Printing Status window when you are printing a large file.

Ink levels seem to go down too quickly

These are possible solutions. Try one or more of the following:

Are you printing photos or documents with a large number of graphics?

Because photos and graphics require more ink than text documents, ink usage increases when you print photos or graphics.

Are you printing with the Best Quality/Speed setting?

To reduce ink usage, select **Best** only when you are printing on photo or heavyweight matte paper. All other paper types print best at a lower Quality/Speed setting. Use the Quick Print or Normal setting to print most text documents.

A blank or incorrect page prints



Remove the sticker and tape from the print cartridges

Lift the scanner unit, and remove the print cartridges from the print cartridge carrier. Make sure the sticker and tape are removed from the print nozzles located on the bottom of the cartridges.

Make sure the cartridges are properly installed

With the front of the printer facing you, check for proper print cartridge installation. If you are using a color cartridge, make sure it is properly installed in the right carrier. If you are using a black or photo cartridge, make sure it is properly installed in the left carrier.

Check the USB connection

- 1 Check that the USB cable is connected to the computer. The USB port on the back of the computer is marked by the  USB symbol. Plug the long, flat end of the USB cable into this port.
- 2 Make sure that the smaller, more square end of the USB cable is plugged into the back of the printer.
- 3 Check that the USB cable is not damaged and that the  light is on.

Close other open files before printing

Before sending a file to print, close all other open files in the program you are using. The printer prints a blank page when too many files are open in the same program.

Characters on printout are missing or unexpected

These are possible solutions. Try one or more of the following:

Make sure the fonts are applied correctly in the program

Most programs do not print a stretched or resized font.

Make sure the TrueType font is available on the computer

The font you are trying to print may not be available in the program font selection box. Not all fonts are designed to be printed; make sure the font is a TrueType font. See the program documentation for more information.

Make sure the document was formatted or created for the printer

Windows may substitute different fonts. Line and page breaks may change with the font. Use the program that created the document to fix these problems, and then save the changes for the next time you print.


Colors on printout are faded or differ from colors on the screen

Check the following. When you think you have solved the problem, test the solution by sending a document to print.

Are the color and print speed settings correct?

You may need to adjust the color and print speed.

Are the print cartridges low on ink?

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel**.
 - In Windows XP or 2000, click **Start**.
- 2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.

3 Click **Solution Center**.



4 If an exclamation point (!) appears on either of the print cartridges, the ink level is low. Install a new cartridge.

Glossy photo paper or transparencies stick together

Do photos or transparencies dry and stick together on the paper exit tray?

Remove the photos or transparencies from the paper exit tray as they exit the printer. Allow them to dry before stacking. It takes longer for the ink to dry on the surface of photo paper or transparencies than it does on most printouts.

Are you using a transparency or photo paper designed for an inkjet printer?

For information on ordering supplies, see “Choosing compatible specialty paper types” on page 50.

Page prints with different fonts

Make sure the correct printer is selected

When printing from an application, make sure the selected printer is the correct printer you want to use to print your job.

It is useful to have the default printer set to be the printer you use most often for printing.

Make sure the TrueType font is available on the computer

The font you are trying to print may not be available in the program font selection box. Not all fonts are designed to be printed; make sure the font is a TrueType font. See the program documentation for more information.

Make sure the fonts are applied correctly in the program

Most programs do not print a stretched or resized font.

Print is too dark or smudged

These are possible solutions. Try one or more of the following:

Make sure the ink dry before handling the paper

Remove the paper as it exits, and let the ink dry before handling.

Make sure the Quality/Speed setting is appropriate for the paper type loaded in the printer

The Photo Quality/Speed setting may cause smearing if used with plain paper. If you are using plain paper, try using the Normal setting.

Make sure the print cartridge nozzles are clean

You may need to clean the print cartridge nozzles.


Printed characters are improperly formed or are not aligned correctly

Have you added spaces at the left margin?

If the print is not aligned correctly, make sure you have not added spaces by pressing Enter or the spacebar (hard-coded spaces).

Do you need to align the print cartridges?

The cartridges may be out of alignment.

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel**.
 - In Windows XP or 2000, click **Start**.
- 2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.
- 3 Click **Solution Center**.
- 4 Click the **Maintenance** tab.
- 5 Click **Align to fix blurry edges**.

Are the print cartridges clean?


You may need to clean the print cartridge nozzles.

Printouts have alternating bands of light and dark print

If the printer pauses frequently during a print job and prints pages with alternating bands of light and dark print, it is printing data faster than the computer can send it. Banded printing occurs when the printer pauses frequently. You may need to change the printer software settings, or the problem may be that the printer and the computer are not able to communicate properly.

Are the printer and the computer able to communicate data?

Check the printer status:

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel**.
 - In Windows XP or 2000, click **Start**.
- 2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.
- 3 Click **Solution Center**.
- 4 If the Printer Status is:
 - **Cannot Communicate**, the problem could be hardware or printer software settings.
 - **Ready** or **Busy Printing**, the problem may be with the printer software settings.

Transparencies or photos contain white lines

Adjust the Quality/Speed settings

- 1 With a document or photo open, click **File** → **Print**.
- 2 Click **Properties**, **Preferences**, **Options**, or **Setup**.

- 3 From the Quality/Copies tab, select:
 - **Photo** when printing photos
 - **Normal** when printing transparencies

Check the program settings

Use a different fill pattern in the program. For more information, see the program documentation.

Perform maintenance on the print cartridges


You may need to clean the print cartridge nozzles.

Vertical straight lines are not smooth

Adjust the Quality/Speed settings

- 1 With a document or photo open, click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 From the Quality/Copies tab, select:
 - **Photo** when printing photos
 - **Normal** when printing transparencies

Align the print cartridges

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel**.
 - In Windows XP or 2000, click **Start**.
- 2 Click **Programs or All Programs → Lexmark 4800 Series**.
- 3 Click **Solution Center**.
- 4 Click the **Maintenance** tab.
- 5 Click **Align to fix blurry edges**.

White lines appear in graphics or solid black areas

Adjust the Quality/Speed settings

- For excellent print quality and reduced print speed, select **Photo**.
- For good print quality and average print speed, select **Normal**.
- For reduced print quality and faster print speed, select **Quick Print**.

Adjust the program settings for the document


Use a different fill pattern in the program. For more information, see the program documentation.

Perform maintenance on the print cartridges

You may need to clean the print cartridge nozzles.

Checking the printer status

Windows Vista users only

- 1 Click  → **Control Panel** → **Printer**.
- 2 Make sure:
 - The printer icon does not say **Paused**. If the printer is paused, right-click the icon, and then click **Resume Printing**.
 - The printer icon says **Ready**. If it says **Offline**, right-click the icon, and then click **Use Printer Online**.
 - The printer icon has a check mark indicating that the printer is set as the default printer. If it is not, right-click the icon, and then click **Set as Default**.

Windows XP users only

- 1 Click **Start** → **Settings** → **Printers and Faxes**.
- 2 Make sure:
 - The printer icon does not say **Paused**. If the printer is paused, right-click the icon, and then click **Resume Printing**.
 - The printer icon says **Ready**. If it says **Offline**, right-click the icon, and then click **Use Printer Online**.
 - The printer icon has a check mark indicating that the printer is set as the default printer. If it is not, right-click the icon, and then click **Set as Default**.

Windows 2000 users only

- 1 Click **Start** → **Settings** → **Printers**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Make sure:
 - **Set as Default Printer** is selected.
 - **Pause Printing** is *not* selected.
 - **Use Printer Offline** is *not* selected.

Settings are not saved

These are possible solutions. Try one or more of the following:

Change time-out settings

If you press ✓ to select a setting, an * appears next to the selected setting. The printer reverts to the default setting after two minutes of inactivity or if the printer is turned off.

Save settings

If you press ✓ to select a setting, an * appears next to the selected setting.

Checking printer readiness

The printer may not be ready to print. Check the following. When you think you have solved the problem, test the solution by sending a document to print.


Make sure the printer has paper and is properly loaded

Make sure you have followed the correct loading instructions for your printer.

Remove the sticker and tape from the print cartridges



- 1 Lift the scanner unit.
- 2 Remove the print cartridges from the print cartridge carrier.
- 3 Make sure the sticker and tape are removed from the bottom and back of the cartridges.

Do the print cartridges have ink?

- 1 Do one of the following:
 - In Windows Vista, click .
 - In Windows XP and earlier, click **Start**.
- 2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.
- 3 Click **Solution Center**.


If an exclamation point (!) appears on either of the print cartridges, the ink level is low. Install a new cartridge.

Check the USB connection

- 1 Check that the USB cable is connected to the computer. The USB port on the back of the computer is marked by the  USB symbol. Plug the long, flat end of the USB cable into this port.
- 2 Make sure that the smaller, more square end of the USB cable is plugged into the back of the printer.
- 3 Check that the USB cable is not damaged and that the  light is on.

Checking the Spool Settings for banner printing

Banner printing is not possible if certain Spool Settings are selected. Verify that you have the right settings selected.

- 1 For Windows Vista, click  → **Control Panel** → **Printer**.
For Windows XP, click **Start** → **Settings** → **Printers** or **Printers and Faxes**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Select **Properties**.
- 4 Click the **Advanced** tab.
- 5 At the bottom of the Advanced tab, click **Print Processor**.
- 6 Verify that the Default data type is LEMF. If it is not, select **LEMF** from the available choices, and then click **OK**.

Resolving font problems

Have you applied the fonts correctly in the program?

Most programs do not print a stretched or resized font.

Is the font a TrueType font? Is it available on the computer?

The font you are trying to print may not be available in the program font selection box. Not all fonts are designed to be printed; make sure the font is a TrueType font. See the program documentation for more information.

Was the document formatted or created for the printer?

Windows may substitute different fonts. Line and page breaks may change with the font. Use the program that created the document to fix these problems, and then save the changes for the next time you print.



Printer is busy printing another job

Wait until the printer has finished printing all other print jobs before sending this job to print.

Ready or Busy Printing is listed as the status

If Ready or Busy Printing is listed as the Printer Status on the Status tab of the Solution Center while you are attempting to print, try the suggestions below. Next, test the solution by sending a document to print.

Is there a problem with the connections?

- 1 Check that the USB cable is connected to the computer. The USB port on the back of the computer is marked by the  USB symbol. Plug the long, flat end of the USB cable into this port.
- 2 Make sure that the smaller, more square end of the USB cable is plugged into the back of the printer.
- 3 Check that the USB cable is not damaged and that the  light is on.

Do you need to adjust the Quality/Speed settings?


Select **Photo** from the Quality/Copies tab in Printing Preferences.

- 1 Click **File → Print**.
- 2 Click **Properties, Preferences, Options, or Setup**.
- 3 From the Quality/Copies tab, make changes as needed.
- 4 Click **OK** to close any dialog boxes that are open.

Is the problem with the program?

Try printing a different image. If it prints correctly, the problem may be with the program you are using. For more information, see the program documentation.


Printing a test page


- 1 Do one of the following:
 - In Windows Vista, click .
 - In Windows XP and earlier, click **Start**.
- 2 Click **Programs or All Programs → Lexmark 4800 Series**.
- 3 Click **Solution Center**.
- 4 From the Maintenance tab, click **Print a test page**.
- 5 Compare the printed page to the image displayed on the computer screen. If the printed image matches the image displayed on the screen, then you are finished.
- 6 If the test page did not print at all or has quality problems, attend to any error messages that appear on the screen.

Test page does not print



These are possible solutions. Try one or more of the following:

Make sure the printer is receiving power

If  is not on, the printer may not be receiving power.

- Press .
- Plug the printer into a different electrical outlet.
- If the printer is plugged into a surge protector, unplug the printer, and plug it directly into an electrical outlet.

Check the USB connection

- 1 Check that the USB cable is connected to the computer. The USB port on the back of the computer is marked by the  USB symbol. Plug the long, flat end of the USB cable into this port.
- 2 Make sure that the smaller, more square end of the USB cable is plugged into the back of the printer.
- 3 Check that the USB cable is not damaged and that the  light is on.


Make sure the cartridges are properly installed

With the front of the printer facing you, check for proper print cartridge installation. If you are using a color cartridge, make sure it is properly installed in the right carrier. If you are using a black cartridge or photo cartridge, make sure it is properly installed in the left carrier.

Make sure the sticker and tape are removed from the print cartridges:

- 1 Lift the scanner unit.
- 2 Remove the print cartridges from the print cartridge carrier.
- 3 Make sure the sticker and tape are removed from the bottom and back of the print cartridges.

Try printing a test page again

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel**.
 - In Windows XP or 2000, click **Start**.
- 2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.
- 3 Click **Solution Center**.
- 4 Click the **Maintenance** tab.
- 5 Click **Print a test page**.

External print server is not working

If there is an external device connected between the computer and the printer, make sure it supports bidirectional communication.

Disconnect the printer from the external device, and connect it directly to the computer. If the printer works, there may be a problem with the print server. See the documentation that shipped with the print server.

There may be a problem with the USB cable. Try a different cable.

Duplex unit does not operate correctly

These are possible solutions. Try one or more of the following:

Check paper size and type

Check the paper size and type to make sure the paper is supported by the printer. If you are using automatic duplexing, use only letter- or A4-size plain paper.



Check for paper jams

Check for and clear any paper jams. For more information, see “Paper jam in the duplex unit” on page 139.

Make sure the duplex unit is properly installed

Remove the duplex unit and reinstall it. For more information, see “Paper jam in the duplex unit” on page 139.


Removing an external print server

- 1 Press  to turn the printer off.
- 2 Make sure the power to the print server is off.
- 3 Remove the USB cable from the external print server.
- 4 Disconnect the external print server from the computer.
- 5 Connect the printer USB cable to the printer.
- 6 Press  to turn the printer back on.

Cable is not connected, is loose, or is damaged

The printer cable must be fully connected and undamaged for proper communication.

Make sure the USB cable is connected to the USB port on the back of the computer


The USB port on the back of the computer is marked by . Plug the long, flat end of the USB cable into this port.

Make sure the other end of the USB cable is connected to the back of the printer

Plug the smaller, more square end of the USB cable into the back of the printer.

Make sure the cable is not damaged or loose

Make sure:

- The USB cable is not damaged.
- The  light is on.

For more information, see the related topic below.

Printer is plugged in but does not print

These are possible solutions. Try one or more of the following:

Make sure the printer is set as the default printer

Try printing a test page.


Make sure the print queue is ready to print

Make sure the printer is set as the default printer and is not being held or paused.

Printer is trying to print to File

If the computer is sending the print jobs to File rather than to the printer connected to the computer, first make sure the printer is attached with a USB cable to a USB port on the computer.

To verify the USB port:

- 1** In Windows Vista, click  → **Control Panel** → **Printers** (under Hardware and Sound).
In Windows XP, click **Start** → **Settings** → **Printers and Faxes**.
- 2** Right-click the **Lexmark 4800 Series** icon.
- 3** From the sidebar menu, select **Properties**.
- 4** Click the **Ports** tab.
- 5** Make sure:
 - The port is set to a USB port.
 - File is not set as the port.

If the document still does not print, then the USB port may not be enabled in the computer. For more information, see the related topic, “Enabling the USB port.”

Cannot print documents from a memory card or flash drive

Check the type of files contained on the memory card or flash drive

The printer recognizes:

- Files that have the following extensions:
 - .doc (Microsoft Word)
 - .xls (Microsoft Excel)
 - .ppt (Microsoft PowerPoint)
 - .pdf (Adobe Portable Document Format)
 - .rtf (Rich Text Format)
 - .docx (Microsoft Word Open Document Format)
 - .xlsx (Microsoft Excel Open Document Format)
 - .pptx (Microsoft PowerPoint Open Document Format)
 - .wps (Microsoft Works)
 - .wpd (WordPerfect)
- Photos

Check the memory card or flash drive

Make sure the memory card or flash drive is not corrupted. Remove memory devices properly from the printer to avoid corruption or loss of data.

Check network connections and power

Make sure the printer is connected to your computer through a USB cable, and that both the printer and the computer are turned on. You cannot print documents from a memory card or flash drive through a wireless network. Applications supporting the formats listed above must be on the connected computer.

Cannot print from digital camera using PictBridge

These are possible solutions. Try one or more of the following:

Enable PictBridge printing from camera

Enable PictBridge printing on the camera by selecting the correct USB mode. If the camera USB selection is incorrect, the camera will be detected as a USB storage device, or an error message will be displayed on the control panel of the printer. For more information, see the digital camera documentation.

Make sure the camera is a PictBridge-enabled digital camera

- 1 Disconnect the camera.
- 2 Connect a PictBridge-enabled digital camera to the PictBridge port. See the digital camera documentation to determine whether it is PictBridge-enabled.

Check USB cable

Use only the USB cable that came with the camera.

Remove memory cards

Remove any memory cards from the printer.

Check messages

If an error message appears on the display, see “Error messages on the computer screen” on page 153.

Printer cannot communicate with computers over peer-to-peer network

These are possible solutions. Try one or more of the following:



Check the status of the host computer and printer

Make sure:

- The host computer is on and is directly connected to the printer.
- The host computer can print to the printer.
- The printer is shown as **Shared** in the Printers and Faxes folder (Windows XP and Windows 2000) or Printers folder (Windows Vista) on the host computer.

Check the printer status

Windows Vista users:

- 1 Click:
 - (default Start menu)  → **Settings** → **Printers**.
 - (Classic Start menu)  → **Control Panel** → **Printers**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Click **Sharing**.
- 4 Click **Change Sharing Options**, and confirm the Windows prompt.
- 5 Select **Share this printer**, and then give the printer a distinctive name.
- 6 Click **OK**.

Windows XP users:

- 1 Click **Start → Settings → Printers and Faxes**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Click **Sharing**.
- 4 Select **Share this printer**, and then give the printer a distinctive name.
- 5 Click **OK**.

Windows 2000 users:

- 1 Click **Start → Settings → Printers**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Click **Sharing**.
- 4 Select **Shared as**, and then give the printer a distinctive name.
- 5 Click **OK**.

Try to locate the printer from the remote computer

If the printer is shown as Shared on the host computer, but you still cannot print, try to locate the printer from the remote computer.

Windows 2000, Windows XP, or Windows Vista users:

- 1 Open the **Printers** or **Printers and Faxes** folder.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 Click **Properties**.
- 4 Click the **Ports** tab, and then click the **Add Port** button.
- 5 Select **Local Port**, and then click the **New Port** button.
- 6 Type the Universal Naming Convention (UNC) Port name, which consists of the server name and the distinctive printer name.
The name should be in the form `\\server\printer`.
- 7 Click **OK**.
- 8 Click **Close**.
- 9 Make sure the new port has been selected on the Ports tab, and then click **Apply**.
The new port is listed with the printer name.
- 10 Click **OK**.

Restart the host computer and the remote computer

Try printing again.

Printer is not able to communicate with the computer

The printer and computer are not able to exchange data. Verify that the printer is plugged in, and the  light is on.

Problems when copying, scanning, or faxing

Close other software

Close all programs not being used.

Change the scanning resolution to a lower value

- 1 Load an original document facedown on the scanner glass.
- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 From the left pane of the Welcome screen, click **Scan**.
- 4 Click **Custom Settings**.
- 5 Select a lower scan resolution.
- 6 Click **Start**.

Is the original document loaded correctly on the scanner glass?

- Make sure the original document is placed in the upper left corner of the scanner glass.
- Place the item you want to copy facedown on the scanner glass.
- Make sure the upper left corner of the front of the item lines up with the arrows in the corner of the scanner glass.

Wrong printer is attached

The printer attached to the computer is not the correct printer. See the setup documentation for help attaching the printer.

Updating the printer software

The printer software needs to be updated to run properly.



- 1 Start Windows.
- 2 When the desktop appears, insert the software CD for Windows.
The installation screen appears.
- 3 Click **Install**.
- 4 When the Existing Printer Driver Found dialog box appears, select **Update the existing driver software**.

Bidirectional communication is not established

The printer and computer may not be able to exchange data.

These are possible solutions. Try one or more of the following:

Check the USB connection

- 1 Check that the USB cable is connected to the computer. The USB port on the back of the computer is marked by the  USB symbol. Plug the long, flat end of the USB cable into this port.
- 2 Make sure that the smaller, more square end of the USB cable is plugged into the back of the printer.
- 3 Check that the USB cable is not damaged and that the  light is on.

Make sure the printer is receiving power

If the  button is not lit, the printer may not be receiving power.

- Plug the printer into a different outlet.
- If the printer is plugged into a surge protector, unplug the printer, and plug it directly into an electrical outlet.

Make sure the external print server is working

If the printer is connected to an external print server, the problem may be with this print server. Check to make sure the device is working properly and that the printer is connected to the network.

Experiencing poor quality or incorrect output

See the topic that best describes the problem.

- Print is too dark or smudged
- Vertical straight lines are not smooth
- White lines appear in graphics or solid black areas
- Characters are missing or unexpected
- Colors on printout are faded or differ from colors on the screen
- Printouts have alternating bands of light and dark print
- Page prints with different fonts
- Printed characters are improperly formed or are not aligned correctly at the left margin
- Transparencies or photos contain white lines
- Glossy photo paper or transparencies stick together

Checking the port setting

- 1 Click **Start** → **Settings** → **Printers** or **Printers and Faxes**.
- 2 Right-click the **Lexmark 4800 Series** icon.
- 3 From the sidebar menu, select **Properties**.
- 4 Click the **Details** tab if you are using Windows 98/Me, or click the **Ports** tab if you are using Windows 2000 or Windows XP.
- 5 Make sure:
 - The port is set to a **USB** port.
 - File is *not* set as the port.

Jams and misfeeds troubleshooting

How to clear and avoid paper jams

To clear the paper path:

- 1 Pull firmly on the paper to remove it. If you cannot reach the paper because it is too far into the printer, lift the scanner unit to open the printer.
- 2 Pull the paper out.
- 3 Close the scanner unit.

4 Press ✓.

5 Reprint any missing pages.

To avoid paper jams, do not force paper into the printer.

Paper jam in the printer

Eject the paper automatically

To remove the paper jam, eject the paper:

1 Press and hold ✓.

2 Remove the paper from the paper exit tray.

Remove the paper manually

1 Press ⏻ to turn off the printer.

2 Firmly grasp the paper, and gently pull it out.

3 Press ⏻ to turn the printer back on.

Paper jam in the paper support

1 Press ⏻ to turn off the printer.

2 Firmly grasp the paper, and gently pull it out.

3 Press ⏻ to turn the printer back on.

Paper or specialty media misfeeds

These are possible solutions if paper or specialty media misfeeds or skews, or if multiple sheets feed or stick together. Try one or more of the following:

Check paper condition

Use only new, unwrinkled paper.

Check paper loading

- Load a smaller amount of paper into the printer.
- Load paper with the print side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)

See “Loading paper” on page 41 and its related topics for information about:

- Maximum loading amounts per paper type
- Specific loading instructions for supported paper and specialty media

Remove each page as it is printed

Remove each page as it exits, and let it dry completely before stacking.

Adjust the paper guides

Adjust the paper guides:

- When using media less than 8.5 inches wide
- To rest against the edges of the paper or media, making sure it does not buckle



Printer does not feed paper, envelopes, or specialty media

These are possible solutions. Try one or more of the following:


Check for paper jams

Check for and clear any paper jams. For more information, see “Jams and misfeeds troubleshooting” on page 136.

Check media loading

- Verify that the specialty media is loaded correctly. For more information, see “Loading paper” on page 41.
- Try loading one page, envelope, or sheet of specialty media at a time.


Check printer default and pause settings

- 1 In Windows Vista, click  → **Control Panel** → **Printers** (under Hardware and Sound).
In Windows XP, click **Start** → **Settings** → **Printers and Faxes**.
- 2 Double-click the print queue device.
- 3 Click **Printer**.
 - Make sure no check mark appears next to **Pause Printing**.
 - If a check mark does not appear next to **Set As Default Printer**, you must select the print queue device for each file you want to print.

Banner paper jams

These are possible solutions. Try one or more of the following:

Clear banner paper jams

- 1 Press  to turn off the printer.
- 2 Remove the jammed banner paper from the printer.

Review banner printing checklist

- Use only the number of sheets needed for the banner.
- Select the following settings to enable the printer to feed paper continuously without jamming:
 - 1 With a document open, click **File** → **Print**.
 - 2 Click **Properties**, **Preferences**, **Options**, or **Setup**.
 - 3 Select the **Paper Setup** tab.
 - 4 From the Paper Size area, select **Banner**.

- 5 Select **Letter Banner** or **A4 Banner** as the paper size.
- 6 Select **Portrait** or **Landscape**.
- 7 Click **OK**.
- 8 Click **OK** or **Print**.

Paper continues to jam

Are you using paper designed for an inkjet printer?

Check the type of paper you are using. Some low-quality papers may be too thin or too slick to be fed correctly into the printer. For more information, see “Choosing compatible specialty paper types” on page 50.

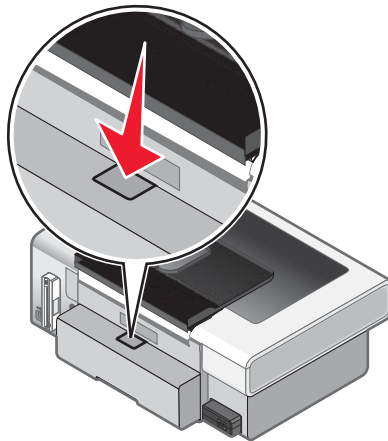
Are you loading the paper correctly?

For more information, see “Loading paper” on page 41.

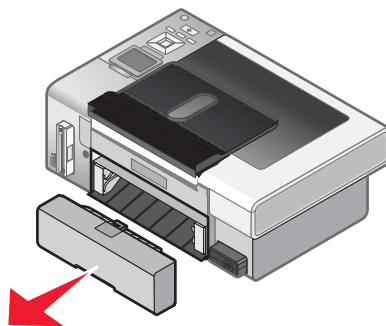
Note: Do not force paper into the printer.

Paper jam in the duplex unit

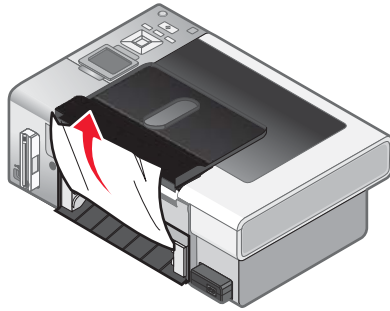
- 1 Push down on the duplex latch as you grasp the duplex unit.



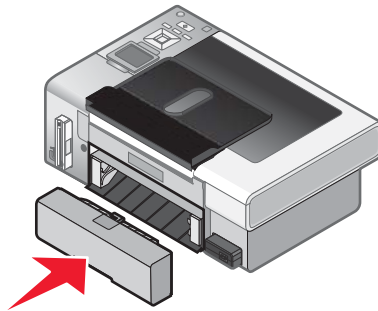
- 2 Pull out the duplex unit.



3 Firmly grasp the paper, and gently pull it out.



4 Push down on the duplex latch as you reinstall the duplex unit.



5 Press ✓.

6 On your computer, delete or stop the print job, and then try resending the print job again.

Memory card troubleshooting

Memory card cannot be inserted

These are possible solutions. Try one or more of the following:

Check memory card type

Make sure that the type of memory card you are using can be used in the printer.

Check memory card placement

Make sure you have inserted the memory card in the correct slot.

Nothing happens when memory card is inserted

These are possible solutions. Try one or more of the following:

Reinsert the memory card

The memory card may have been inserted too slowly. Remove and then reinsert the memory card quickly.

Check memory card placement

Make sure you have inserted the memory card in the correct slot. For more information, see “Inserting a memory card” on page 60.

Check memory card type

Make sure that the type of memory card you are using can be used in the printer. For more information, see “Inserting a memory card” on page 60.

Check to see if the memory card is damaged

Check that there is no obvious damage to the memory card.

Check to see if the memory card contains photos

Insert a memory card that contains photos.

Make sure the USB cable is connected

If the printer is connected to the computer through a USB cable:

- 1 Check the USB cable for any obvious damage.
- 2 Firmly plug the square end of the USB cable into the back of the printer.
- 3 Firmly plug the rectangular end of the USB cable into the USB port of the computer.

The USB port is marked with the  USB symbol.

Check the network connection

If the printer and computer are connected over a network, make sure that the correct host and device are communicating. Select the printer from the computer or the computer from the printer.


Photos do not transfer from a memory card across a wireless network

These are possible solutions. Try one or more of the following:

Select the printer on your wireless network

Windows users only

If you have more than one printer and use Windows, you must select your wireless network printer.

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel** → **Printers**.
 - In Windows XP and earlier, click **Start** → **Settings** → **Printers and Faxes**.
- 2 From the list shown, select the printer on your wireless network.
Note: To select the printer, right click the printer, and then select **Set as Default Printer**.
- 3 Insert the memory card in the printer.
- 4 From the control panel, press **√**.
- 5 Press **▼** to choose **Select Computer**.
- 6 Press **√**.
- 7 From the list shown, select the computer on your wireless network.
- 8 Follow the prompts on the computer screen. For more information, see the “Working with photos” chapter in the *User's Guide: Comprehensive Version*.

Check memory card placement

Make sure you inserted the memory card into the correct slot.

Check memory card type

Make sure that the type of memory card you are using can be used in the printer.

Check to see if the memory card is damaged

Check to see that there is no obvious damage to the memory card. Remove memory cards properly from the printer to avoid corruption of data.

Check to see if the memory card contains photos

Insert a memory card that contains photos. The printer reads photos that are in the JPEG format. For more information, see the documentation that came with your camera.

Check to see if your printer or the computer is turned on

Make sure that your printer and your computer are turned on. Make sure that Windows is open.

Check to see if your wireless connection is active

Make sure that your wireless network is connected and active.

Note: If your wireless connection is down, use your configuration cable to connect your printer to your computer.

Copy troubleshooting


Copier does not respond

These are possible solutions. Try one or more of the following:

Check messages

Resolve all error messages.

Check power

If the  light is not on, make sure the printer is plugged into a properly grounded outlet. Make sure the power cord is properly connected to the printer.

Scanner unit does not close

- 1 Lift the scanner unit.
- 2 Remove any obstruction keeping the scanner unit open.
- 3 Lower the scanner unit.

Poor copy quality

- Blank pages
- Checkerboard pattern
- Distorted graphics or pictures
- Missing characters
- Faded print
- Dark print
- Skewed lines
- Smudges
- Streaks
- Unexpected characters
- White lines in print

These are possible solutions. Try one or more of the following:

Check messages

If an error message is displayed, see “Error messages on the computer screen” on page 153.

Check ink

Check the ink levels, and install a new print cartridge if necessary.

Clean the scanner glass

If the scanner glass is dirty, gently wipe it with a clean, lint-free cloth dampened with water.

Review steps to improve print quality

See “Improving print quality” on page 118.

Adjust the brightness of the copy

- 1 Load the document facedown on the scanner glass.
- 2 From the control panel, press ▲ or ▼ repeatedly to choose **Copy**.
- 3 Press √.
- 4 Press ▼ repeatedly to choose **Lighter/Darker**.
- 5 Press ◀ or ▶ repeatedly to lighten or darken the copy.
- 6 Press **Start**.

Check quality of original document

If the quality of the original document is not satisfactory, try using a clearer version of the document or image.

Are you scanning from photo or glossy paper, a magazine, or a newspaper?

If you are copying or scanning from photo or glossy paper, a magazine, or a newspaper, see “Removing wavy patterns from scanned photos, magazines, or newspapers” on page 70.

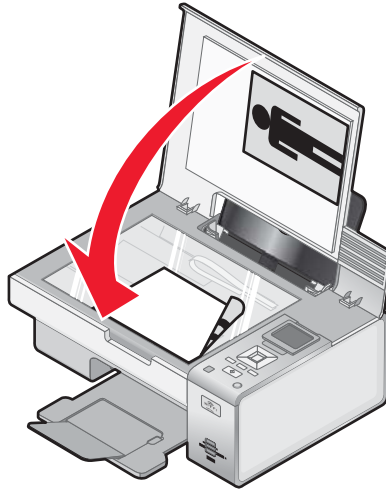
Check document placement

Make sure the document or photo is loaded facedown on the scanner glass in the lower right corner.

Copied item does not match the original item

Is the original document loaded correctly on the scanner glass?

- Make sure the original document is placed in the lower right corner of the scanner glass.
- Place the item you want to copy facedown on the scanner glass.
- Make sure the lower right corner of the front of the item lines up with the arrows in the lower right corner of the scanner glass.



Partial document or photo copies

These are possible solutions. Try one or more of the following:

Check document placement

Make sure the document or photo is loaded facedown on the scanner glass in the lower right corner.

Check paper size

Make sure the paper size being used matches the size you selected.

Check Original Size setting

Make sure that the Original Size setting is **Automatic** or the size of the original document that you are copying.

Scan troubleshooting

Scanner does not respond

These are possible solutions. Try one or more of the following:


Check messages

Resolve all error messages.

Check power

If the ⏻ light is not on, make sure the printer is plugged into a properly grounded outlet. Make sure the power cord is properly connected to the printer.

Check printer default and pause settings

- 1 Do one of the following:
 - In Windows Vista, click  → **Control Panel**.
 - In Windows XP, click **Start**.
- 2 Click **Printer** or **Printers and Faxes**.
- 3 Double-click the printer you want to check.
- 4 Click **Printer**.
- 5 Make sure no check mark appears next to Pause Printing. If a check mark appears next to Set As Default Printer, you must select the correct printer from a list each time you print.

Removing and reinstalling the software

For more information, see “Removing and reinstalling the software” on page 105.

Scan was not successful

These are possible solutions. Try one or more of the following:

Check USB cable connection

- 1 Check the USB cable for any obvious damage.
- 2 Firmly plug the square end of the USB cable into the back of the printer.
- 3 Firmly plug the rectangular end of the USB cable into the USB port of the computer.

The USB port is marked with the  USB symbol.

Restart computer

Turn off and then restart your computer.

Scanning takes too long or freezes the computer

These are possible solutions. Try one or more of the following:

Close other software

Close all programs not being used.

Change the scanning resolution to a lower value

- 1 Load an original document facedown on the scanner glass.
- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 From the Welcome Screen, click **Scan**.
- 4 Click **Custom Settings**.
- 5 From the Scan Resolution drop-down list, select a lower scan resolution.
- 6 Click **Start**.

Poor scanned image quality

These are possible solutions. Try one or more of the following:

Check messages

If an error message is displayed, see “Error messages on the printer display” on page 147.

Clean the scanner glass

If the scanner glass is dirty, gently wipe it with a clean, lint-free cloth dampened with water.

Adjust the quality of the scan

- 1 Load an original document facedown on the scanner glass.
- 2 From the desktop, double-click the **Productivity Studio** icon.
- 3 From the Welcome screen, click **Scan**.
- 4 Click **Custom Settings**.
- 5 Select a higher scan resolution.
- 6 Click **Start**.

Review steps to improve print quality

See “Improving print quality” on page 118.

Are you scanning from photo or glossy paper, a magazine, or a newspaper?

If you are copying or scanning from photo or glossy paper, a magazine, or a newspaper, see “Removing wavy patterns from scanned photos, magazines, or newspapers” on page 70.

Check quality of original document

If the quality of the original document is not satisfactory, try using a clearer version of the document or image.

Check document placement

Make sure the document or photo is loaded facedown on the scanner glass in the lower right corner.

Partial document or photo scans

These are possible solutions. Try one or more of the following:

Check document placement

Make sure the document or photo is loaded facedown on the scanner glass in the lower right corner.

Check paper size

Make sure the paper size being used matches the size you selected.

Check Original Size setting

Make sure the Original Size setting is **Auto Detect** or the size of the original document you are scanning.

Cannot scan to a computer over a network

See “Scanning to a computer over a network using the control panel” on page 89.

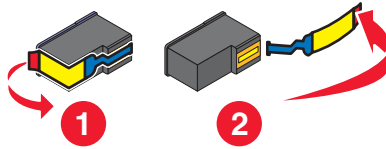
Error messages on the printer display

Alignment Error

These are possible solutions. Try one or more of the following:

Remove tape from print cartridge

- 1 Remove the print cartridge.
- 2 Make sure the sticker and tape have been removed.



- 3 Reinsert the cartridge.
- 4 Press ✓ to align the cartridge.

For more information, see “Aligning print cartridges” on page 97.

Use new paper

Load only plain, unmarked paper for aligning the cartridge.

The printer will read any markings on used paper, which could cause the alignment error message to appear.

Cartridge Error (1102, 1203, 1204, or 120F)

- 1 Remove the print cartridges, and close the cartridge carrier lids.
- 2 Close the scanner unit.
- 3 Disconnect the power cord from the electrical outlet.
- 4 Reconnect the power cord to the electrical outlet.
- 5 If the ⏻ button is not lit, press ⏻.
- 6 Reinsert the print cartridges and close the cartridge carrier lids.
- 7 Close the scanner unit.

If the error does not reappear, the problem has been corrected.

If the problem reappears, one of the cartridges is not working properly. Continue with the following procedure to determine which cartridge is not working properly.

- 1 Remove the print cartridges, and close the cartridge carrier lids.
- 2 Close the scanner unit.
- 3 Disconnect the power cord from the electrical outlet.
- 4 Reconnect the power cord to the electrical outlet.
- 5 If the ⏻ button is not lit, press ⏻.
- 6 Reinsert the black (or photo) print cartridge and close the cartridge carrier lid.
- 7 Close the scanner unit.

8 If the error:

- Reappears, replace the black (or photo) print cartridge with a new one, close the cartridge carrier lid, and close the scanner unit.
- Does not reappear, reinsert the color print cartridge, close the cartridge carrier lid, and close the scanner unit.

9 If the error reappears, replace the color print cartridge with a new one, close the cartridge carrier lid, and close the scanner unit.

Black Ink Low / Color Ink Low / Photo Ink Low

1 Check the indicated ink level or levels, and install a new print cartridge or cartridges if necessary.

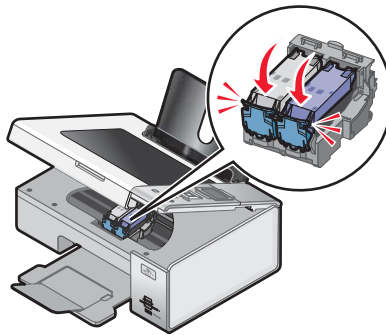
To order supplies, see “Ordering paper and other supplies” on page 99.

2 Press **✓** to continue.

Clear Carrier Jam

Remove any obstructions

- 1** Raise the scanner unit.
- 2** Remove any objects blocking the path of the print cartridge carrier.
- 3** Make sure the cartridge carrier lids are closed.



4 Close the scanner unit.

5 Press **✓**.

Cover Open

Make sure that the scanner unit is closed.

Error 1104

- 1** Remove the print cartridges.
- 2** Reinstall the black cartridge or the photo cartridge in the left carrier.
- 3** Reinstall the color cartridge in the right carrier.



Invalid Device

The device attached to the printer is not supported.



Attach a supported device, or use other printer features.

Left Cartridge Error / Right Cartridge Error

This message may also appear as Error 1205 (Left Cartridge) or Error 1206 (Right Cartridge).

- 1 Remove the indicated print cartridge and close the cartridge carrier lid.
- 2 Close the scanner unit.
- 3 Disconnect the power cord from the electrical outlet.
- 4 Reconnect the power cord to the electrical outlet.
- 5 If the  button is not lit, press .
- 6 Reinsert the print cartridge and close the cartridge carrier lid.
- 7 Close the scanner unit.
- 8 If the error:
 - Does not reappear, the problem has been corrected.
 - Reappears, replace the print cartridge with a new one, close the cartridge carrier lid, and close the scanner unit.


Left Cartridge Incorrect / Right Cartridge Incorrect

- 1 Remove the indicated print cartridge and close the cartridge carrier lid.
- 2 Close the scanner unit.
- 3 Disconnect the power cord from the electrical outlet.
- 4 Reconnect the power cord to the electrical outlet.
- 5 If the  button is not lit, press .
- 6 Reinsert the print cartridge and close the cartridge carrier lid.
- 7 Close the scanner unit.
- 8 If the error:
 - Does not reappear, the problem has been corrected.
 - Reappears, replace the print cartridge with a new one, close the cartridge carrier lid, and close the scanner unit.

Left Cartridge Missing / Right Cartridge Missing

One or both print cartridges are missing or not installed properly. For more information, see “Installing print cartridges” on page 94.

Notes:

- You can make a color copy with only the color cartridge installed.
- You can print a black-and-white document with only the black cartridge installed.
- You cannot copy or print when only the photo cartridge is installed.
- To remove the error message, press .

Memory Failure

These are possible solutions. Try one or more of the following:

Reduce memory use

If applicable:

- Print pending received faxes.
- Send fewer pages.

Select the After Dial setting

- 1 From the desktop, double-click the **Productivity Studio** icon.
- 2 From the Welcome Screen, click **Fax History and Settings**.
- 3 Click **Adjust speed dial list and other fax settings**.
- 4 Click the **Dialing and Sending** tab.
- 5 From the “Sending options” area, select **After Dial** from the “When to scan document” section.
- 6 Click **OK**.
- 7 Resend the fax.

No images have been selected

You have not selected any of the options on step 1 of the photo proof sheet you printed and scanned.

- 1 Make sure you completely fill in your selected circle or circles.
- 2 Press to continue.

No photo/paper size selection has been made

You have not selected any of the options on step 2 of the photo proof sheet you printed and scanned.

- 1 Make sure you completely fill in your selected circle or circles.
- 2 Press to continue.

Could not detect a proof sheet

The document placed on the scanner glass is not a valid proof sheet. For more information, see “Printing photos stored on a memory device using the proof sheet” on page 74.

No proof sheet information

The photo proof sheet you printed and scanned is no longer valid.

You may have removed the memory card or flash drive from the printer, or turned off the printer, before scanning the photo proof sheet.

For more information, see “Printing photos stored on a memory device using the proof sheet” on page 74.

No valid photo image files detected

No supported images have been found on the memory card or flash drive.

The printer supports Baseline JPEG files (including Exif) ending with the extensions JPEG, JPE, and JPG.

The following TIFF formats as read from a camera card or USB flash drive are supported:

- RGB uncompressed data: Baseline TIFF Rev. 6.0 RGB Full Color Images
- YCbCr uncompressed data: TIFF Rev. 6.0 Extensions YCbCr Images

Only TIFF files created directly from digital cameras and not modified by computer software are supported.

Only one photo enhancement may be chosen at a time

You have selected more than one option on step 2 of the photo proof sheet you printed and scanned.

- 1 Make sure you completely fill in only one circle for each option.
- 2 Press to continue.

Only one photo/size selection can be chosen at a time

You have selected more than one option on step 2 of the photo proof sheet you printed and scanned.

- 1 Make sure you completely fill in only one circle for each option.
- 2 Press to continue.

Paper Mismatch

The size of the paper loaded in the printer is not supported by the current mode.

- 1 Load the correct paper.
- 2 Press .

Paper Jam

For more information, see “Jams and misfeeds troubleshooting” on page 136.

Paper Out

- 1 Load paper.
- 2 Press .

Paper or Photo Size error

One or more photos selected for printing have a size that does not match the size of the paper loaded in the printer.

Change the photo size to match the size of the paper loaded in the printer, or change the paper size to match the photo size.

Paper Size/Type error

The paper loaded in the printer is not supported for duplex printing.

Load plain letter- or A4-size paper.

Photo size error. Photo must fit on page.

There are one or more photos larger than the paper size you selected on the printer menu.

- 1 Press to clear the error message.
- 2 Press ◀ or ▶ repeatedly until **Paper Size** appears on the display.
- 3 Press .

4 Press ◀ or ▶ repeatedly to select the paper size option that will fit your largest photo size.

5 Press **Start Color** or **Start Black** to begin printing.

PictBridge Communication Error

Remove and then reinsert the USB cable that came with the camera into the PictBridge port on the front of the printer.

Please remove the camera card.

The printer can read either a PictBridge-enabled digital camera or a memory card, but not both at the same time.

- 1 Remove both the PictBridge-enabled digital camera and the memory card.
- 2 Reinsert only one of the devices mentioned above.

Printer Carrier Stall

- 1 Check the printer carrier for any obstructions.
- 2 Press √.

For more information, see “Jams and misfeeds troubleshooting” on page 136.

Proof Sheet Error

The error may include any of the following causes listed below.

Cause	Solution
The printer could not detect a proof sheet.	Make sure that: <ul style="list-style-type: none">• The proof sheet is filled completely.• The proof sheet is loaded facedown in the lower right corner of the scanner glass.• The paper is not skewed.
No images have been selected for printing.	Make sure that images are selected for printing.
No photo size or paper size selection has been made.	Make sure that a paper size or photo size is selected.
More than one photo size or paper size was chosen.	Select only one photo size or paper size.
There is no selection indicated anywhere on the proof sheet.	Make sure that the proof sheet is filled completely.
A photo or photos have been removed from the memory device by the computer.	Select a different photo.
More than one photo enhancement was chosen.	Select only one photo-enhancement option.

Some photos removed from card by host.

Some of the photos on the photo proof sheet were deleted from the memory card through the computer.

You must print a new photo proof sheet.


For more information, see “Printing photos stored on a memory device using the proof sheet” on page 74.

Problems reading the memory card

- See “Memory card cannot be inserted” on page 140.
- See “Nothing happens when memory card is inserted” on page 140.

Two-sided paper type error


You have not selected the correct paper type or size for duplex printing.

- 1 Select .
- 2 Press ▼ to choose **Paper Handling**.
- 3 Press ▼ to choose **Type** or **Size**.
- 4 Press ◀ or ▶ to choose the correct selection.

Note: Use only plain paper in letter or A4 size. The printer will not make duplex copies on envelopes, card stock, or photo paper.

Two-sided printing is not supported on the current paper size


The paper size is not supported for duplex printing.

- 1 Select .
- 2 Press ▼ to choose **Paper Handling**.
- 3 Press ▼ to choose **Size**.
- 4 Press ◀ or ▶ to choose the correct paper size.

Note: The printer supports duplex printing only on Letter and A4.

Two-sided printing is not supported on the current paper type

The paper type is not supported for duplex printing.

- 1 Select .
- 2 Press ▼ to choose **Paper Handling**.
- 3 Press ▼ to choose **Type**.
- 4 Press ◀ or ▶ to choose the correct paper type.

Note: The printer supports duplex printing only on plain paper.

Error messages on the computer screen

Clearing error messages

- 1 Correct the error condition explained in the error message. Click **Help** on the error message dialog box for specific instructions.
- 2 After correcting the error condition, click **Continue** to resume printing.

If the error remains, but you want to clear the error message:

- 1 Click **Cancel Printing**. The error message closes, and the Canceling Printing dialog box appears.
- 2 Follow the instructions on the Canceling Printing dialog box.

Left/Right Cartridge Missing




This message indicates that one of the necessary cartridges is missing. You need to install a print cartridge.

Communication not available

The printer and computer may not be able to exchange data.

Is the printer receiving power?

If  is not lit, the printer may not be receiving power.

- Plug the printer into a different outlet.
- If the printer is plugged into a surge protector, unplug the printer, and plug it directly into an electrical outlet.

Is there a problem with the connections?

If the printer is connected to an external device, the problem may be with the device. Check the setup information that came with the device to make sure it is properly installed.

If printing using a USB cable, make sure the cable is securely attached to both the printer and the computer.

Before you print, you may need to restart the computer.

General Printing Problem

You cannot receive a more specific error message because the printer and the computer do not have bidirectional communication.

To receive a more specific error message, see “Bidirectional communication is not established” on page 135.

To find the problem without establishing bidirectional communication, see “Checking printer readiness” on page 127.

Ink Low

A print cartridge is almost out of ink.



Install a new cartridge. For more information, see “Installing print cartridges” on page 94.

To order a new cartridge, see “Ordering supplies” on page 99.


Out of Memory

The printer software cannot obtain enough memory to print.

Try the following:

- Before sending a document to print, close any other open programs. The printer may print a blank page when too many programs are open on the computer.
- Follow the instructions on the error screen. These instructions reduce the amount of memory needed to print.

Out of Paper


- 1 Load paper.
- 2 Press  to continue printing.

Note: Do not force paper into the printer.

Fixing a printing failure

Follow the instructions on the computer screen.

If the printer still does not print:

- 1 Do one of the following:
 - In Windows Vista, click .
 - In Windows XP and earlier, click **Start**.
- 2 Click **Programs** or **All Programs** → **Lexmark 4800 Series**.
- 3 Click **Solution Center**, and then click the **Contact Information** tab.

Paper Jam

The printer has a paper jam, and you must clear the paper path.

Note: To avoid paper jams, do not force paper into the printer.

Multiple All-In-Ones found

Multiple Lexmark printers, attached either locally or over a network, have been detected on your computer. You can choose which printer you want to use:

- 1 Select the printer from the list.
- 2 Click **OK**.

Print File Error

To use the Print Files function, your printer must be connected to a computer, and both the printer and computer must be on.

The error may include any of the following causes listed below.

Cause	Solution
The printer failed to find an application or software on the computer to print the file or files stored on the memory device.	Make sure you have software installed on your computer that can open files with the desired file extensions.
The printer failed to retrieve the file or files stored on the memory device.	Make sure that: <ul style="list-style-type: none">• The memory device has not been removed.• The memory card or flash drive is not damaged or corrupted.

Notices

Product information

Product name:

Lexmark 4800 Series

Machine type:

4428

Model(s):

W22

W2E

Edition notice

June 2007

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For Lexmark technical support, visit support.lexmark.com.

For information on supplies and downloads, visit www.lexmark.com.

If you don't have access to the Internet, you can contact Lexmark by mail:

Lexmark International, Inc.
Bldg 004-2/CSC
740 New Circle Road NW
Lexington, KY 40550

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Conventions

Note: A *Note* identifies something that could help you.

Warning: A *Warning* identifies something that could damage your product hardware or software.



CAUTION: A *CAUTION* identifies something that could cause you harm.



CAUTION: This type of *CAUTION* indicates that you should *not touch* the marked area.



CAUTION: This type of *CAUTION* indicates a *hot surface*.



CAUTION: This type of *CAUTION* indicates a *shock hazard*.



CAUTION: This type of *CAUTION* indicates a *tipping hazard*.

Federal Communications Commission (FCC) compliance information statement

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class B limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

The manufacturer is not responsible for radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

Note: To assure compliance with FCC regulations on electromagnetic interference for a Class B computing device, use a properly shielded and grounded cable such as Lexmark part number 1021294 for USB attach. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

Any questions regarding this compliance information statement should be directed to:

Director of Lexmark Technology & Services
Lexmark International, Inc.
740 West New Circle Road
Lexington, KY 40550
(859) 232-3000

Exposure to radio frequency radiation

The following notice is applicable if your printer has a wireless network card installed.

The radiated output power of this device is far below the radio frequency exposure limits of the FCC and other regulatory agencies. A minimum separation of 20 cm (8 inches) must be maintained between the antenna and any persons for this device to satisfy the RF exposure requirements of the FCC and other regulatory agencies.

Industry Canada compliance statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Standard ICES-003.

Avis de conformité aux normes de l'industrie du Canada

Cet appareil numérique de classe B est conforme aux exigences de la norme canadienne relative aux équipements pouvant causer des interférences NMB-003.

Industry Canada notice

The following notices are applicable if your printer has a wireless network card installed.

Industry Canada (Canada)

This device complies with Industry Canada specification RSS-210. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device has been designed to operate only with the antenna provided. Use of any other antenna is strictly prohibited per regulations of Industry Canada.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF fields in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site www.hc-sc.gc.ca/rpb.

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

Industry Canada (Canada)

Cet appareil est conforme à la norme RSS-210 d'Industry Canada. Son fonctionnement est soumis aux deux conditions suivantes :

(1) cet appareil ne doit pas provoquer d'interférences et (2) il doit accepter toute interférence reçue, y compris celles risquant d'altérer son fonctionnement.

Cet appareil a été conçu pour fonctionner uniquement avec l'antenne fournie. L'utilisation de toute autre antenne est strictement interdite par la réglementation d'Industry Canada.

En application des réglementations d'Industry Canada, l'utilisation d'une antenne de gain supérieur est strictement interdite.

Pour empêcher toute interférence radio au service faisant l'objet d'une licence, cet appareil doit être utilisé à l'intérieur et loin des fenêtres afin de garantir une protection optimale.

Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

L'installateur de cet équipement radio doit veiller à ce que l'antenne soit implantée et dirigée de manière à n'émettre aucun champ HF dépassant les limites fixées pour l'ensemble de la population par Santé Canada. Reportez-vous au Code de sécurité 6 que vous pouvez consulter sur le site Web de Santé Canada www.hc-sc.gc.ca/rpb.

Le terme « IC » précédant le numéro de d'accréditation/inscription signifie simplement que le produit est conforme aux spécifications techniques d'Industry Canada.

European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC and 2006/95/EC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits.

A declaration of conformity with the requirements of the directives has been signed by the Director of Manufacturing and Technical Support, Lexmark International, Inc., S.A., Boigny, France.

This product satisfies the Class B limits of EN 55022 and safety requirements of EN 60950.

European EC directives conformity statement for radio products

The following notices are applicable if your printer has a wireless network card installed

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC, 2006/95/EC, and 1999/5/EC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits and on radio equipment and telecommunications terminal equipment.

Compliance is indicated by the CE marking.



The Alert sign indicates that there are restrictions within certain member states.

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Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

Note: Some modes may not apply to your product.

1-meter average sound pressure, dBA	
Printing	48
Scanning	35
Copying	41
Ready	inaudible

Values are subject to change. See www.lexmark.com for current values.

Waste from Electrical and Electronic Equipment (WEEE) directive



The WEEE logo signifies specific recycling programs and procedures for electronic products in countries of the European Union. We encourage the recycling of our products. If you have further questions about recycling options, visit the Lexmark Web site at www.lexmark.com for your local sales office phone number.

Product disposal

Do not dispose of the printer or supplies in the same manner as normal household waste. Consult your local authorities for disposal and recycling options.

Temperature information

Ambient temperature	15° ~ 32° C (60° ~ 90° F)
Shipping and storage temperature	-40° ~ 60° C (-40° ~ 140° F), 1° ~ 60° C (34° ~ 140° F)

ENERGY STAR



Power consumption

Product power consumption

The following table documents the power consumption characteristics of the product.

Note: Some modes may not apply to your product.

Mode	Description	Power consumption (Watts)
Printing	The product is generating hard-copy output from electronic inputs.	16.4
Copying	The product is generating hard-copy output from hard-copy original documents.	13.6
Scanning	The product is scanning hard-copy documents.	10.3
Ready	The product is waiting for a print job.	9.2
Power Saver	The product is in energy-saving mode.	6.2
High Off	The product is plugged into a wall outlet, but the power switch is turned off.	not applicable
Low Off (<1 W Off)	The product is plugged into a wall outlet, the power switch is turned off, and the product is in the lowest possible power consumption mode.	not applicable
Off	The product is plugged into a wall outlet, but the power switch is turned off.	0.2

The power consumption levels listed in the previous table represent time-averaged measurements. Instantaneous power draws may be substantially higher than the average.

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Power Saver

This product is designed with an energy-saving mode called Power Saver. The Power Saver Mode is equivalent to the EPA Sleep Mode. The Power Saver Mode saves energy by lowering power consumption during extended periods of inactivity. The Power Saver Mode is automatically engaged after this product is not used for a specified period of time, called the Power Saver Timeout.

Factory default Power Saver Timeout for this product (in minutes):	60
--	----

Off mode

If this product has an off mode which still consumes a small amount of power, then to completely stop product power consumption, disconnect the power supply cord from the wall outlet.

Total energy usage

It is sometimes helpful to calculate the total product energy usage. Since power consumption claims are provided in power units of Watts, the power consumption should be multiplied by the time the product spends in each mode in order to calculate energy usage. The total product energy usage is the sum of each mode's energy usage.

Statement of Limited Warranty

Lexmark International, Inc., Lexington, KY

This limited warranty applies to the United States. For customers outside the U.S., see the country-specific warranty information that came with your product.

This limited warranty applies to this product only if it was originally purchased for your use, and not for resale, from Lexmark or a Lexmark remarketer, referred to in this statement as "Remarketer."

Limited warranty

Lexmark warrants that this product:

- Is manufactured from new parts, or new and serviceable used parts, which perform like new parts
- Is, during normal use, free from defects in material and workmanship

If this product does not function as warranted during the warranty period, contact a Remarketer or Lexmark for repair or replacement (at Lexmark's option).

If this product is a feature or option, this statement applies only when that feature or option is used with the product for which it was designed. To obtain warranty service, you may be required to present the feature or option with the product.

If you transfer this product to another user, warranty service under the terms of this statement is available to that user for the remainder of the warranty period. You should transfer proof of original purchase and this statement to that user.

Limited warranty service

The warranty period starts on the date of original purchase as shown on the purchase receipt. The warranty period ends 12 months later.

To obtain warranty service you may be required to present proof of original purchase. You may be required to deliver your product to the Remarketer or Lexmark, or ship it prepaid and suitably packaged to a Lexmark designated location. You are responsible for loss of, or damage to, a product in transit to the Remarketer or the designated location.

When warranty service involves the exchange of a product or part, the item replaced becomes the property of the Remarketer or Lexmark. The replacement may be a new or repaired item. The replacement item assumes the remaining warranty period of the original product.

Replacement is not available to you if the product you present for exchange is defaced, altered, in need of a repair not included in warranty service, damaged beyond repair, or if the product is not free of all legal obligations, restrictions, liens, and encumbrances.

Before you present this product for warranty service, remove all print cartridges, programs, data, and removable storage media (unless directed otherwise by Lexmark).

For further explanation of your warranty alternatives and the nearest Lexmark authorized servicer in your area, contact Lexmark at (800) 332-4120, or on the World Wide Web at <http://support.lexmark.com>.

Remote technical support is provided for this product throughout its warranty period. For products no longer covered by a Lexmark warranty, technical support may not be available or only be available for a fee.

Extent of limited warranty

We do not warrant uninterrupted or error-free operation of any product.

Warranty service does not include repair of failures caused by:

- Modification or attachments
- Accidents or misuse
- Unsuitable physical or operating environment
- Maintenance by anyone other than Lexmark or a Lexmark authorized servicer
- Operation of a product beyond the limit of its duty cycle
- Use of printing media outside of Lexmark specifications
- Supplies (such as ink) not furnished by Lexmark
- Products, components, parts, materials, software, or interfaces not furnished by Lexmark

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Networking glossary

ad hoc mode	A setting for a wireless device that lets it communicate directly with other wireless devices without an access point or router
ad hoc network	A wireless network that does not use an access point
AutoIP address	An IP address automatically assigned by a network device. If the device is set to use DHCP, but no DHCP server is available, an AutoIP address may be assigned by the device.
BSS (Basic Service Set)	Basic Service Set describes the type of wireless network that you are using. The BSS type can be one of the following: Infrastructure network or Ad-Hoc network.
channel	A specific radio frequency used by two or more wireless devices to communicate with each other. All devices on the network must use the same channel.
DHCP (Dynamic Host Configuration Protocol)	A language used by DHCP servers
DHCP IP address	An IP address automatically assigned by a DHCP server
DHCP server	A computer or router that gives a unique IP address to each device on the network. Unique addresses prevent conflicts.
infrastructure mode	A setting for a wireless device that lets it communicate directly with other wireless devices using an access point or router
installation cable	Connects the printer to the computer temporarily during some methods of installation.
internal wireless print server	A device that lets computers and printers talk to each other over a network without cables
IP (Internet Protocol) address	The network address of a computer or printer. Each device on the network has its own network address. The address may be assigned manually by you (Static IP address), automatically by the DHCP server (DHCP IP address), or automatically by the device (AutoIP address).
ipconfig	A command that displays the IP address and other network information of a Windows computer
MAC (Media Access Control) address	A hardware address that uniquely identifies each device on a network. You can usually find the MAC address printed on the device.
MAC filtering	A method of limiting access to your wireless network by specifying which MAC addresses may communicate on the network. This setting may be specified on wireless routers or access points.
network adapter/card	A device that lets computers or printers talk to each other over a network
network hub	A device that connects multiple devices on a wired network
network name	See “SSID (Service Set Identifier)” on page 166
ping	A test to see if your computer can communicate with another device
printer nickname	The name you assign to your printer so that you and others can identify it on the network
router	A device that shares a single Internet connection with multiple computers or other devices. The basic router controls network traffic.
security key	A password, such as a WEP key or a WPA pass phrase, used to make a network secure
signal strength	Measure of how strongly a transmitted signal is being received
SSID (Service Set Identifier)	The name of a wireless network. When you connect a printer to a wireless network, the printer needs to use the same SSID as the network. Also referred to as network name or BSS (Basic Service Set).
Static IP address	An IP address assigned manually by you
switch	A device similar to a network hub that can connect different networks together

UAA (Universally Administered Address)	An address assigned to a network printer or print server by the manufacturer. To find the UAA, print a network setup page and look for the UAA listing.
USB cable	A lightweight, flexible cable that lets the printer communicate with the computer at much higher speeds than parallel cables
USB port	A small, rectangular port on the back of the computer that connects the peripheral devices using a USB cable, and lets them communicate at high speeds
WEP (Wired Equivalent Privacy)	A security setting that helps prevent unauthorized access to a wireless network. Other possible security settings are WPA and WPA2.
wireless access point	A device that connects wireless devices together to form a wireless network
wireless router	A router that also serves as a wireless access point
Wi-Fi	An industry term that describes the technology used to create an interoperable wireless local area network (WLAN).
WPA (Wi-Fi Protected Access)	A security setting that helps prevent unauthorized access to a wireless network. WPA is not supported on ad hoc wireless networks. Other possible security settings are WEP and WPA2.
WPA2	A newer version of WPA. Older routers are less likely to support this. Other possible security settings are WPA and WEP.

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