



Lexmark 4800 Series All-In-One

User Guide



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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 use the fax feature during a lightning storm. 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.

Networking the printer

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

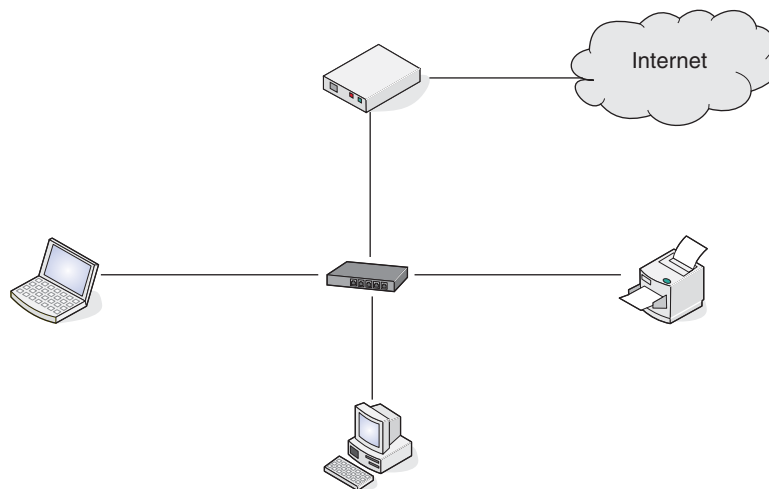
For desktop computers, laptops, and printers to communicate with each other over a network, they must be connected by cables and/or have wireless network adapters built in or installed in them.

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.



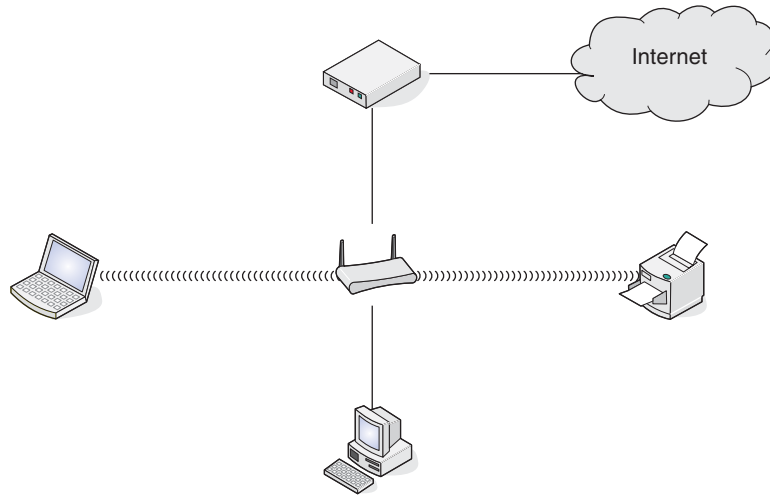
Wireless network examples

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

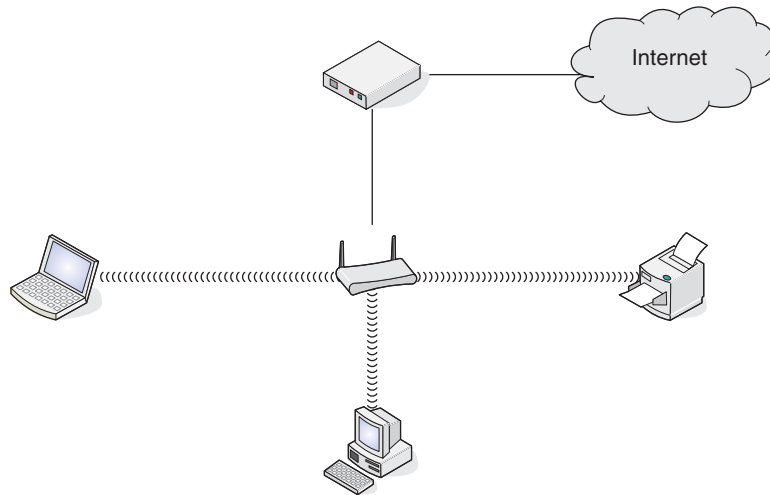
Scenario 1: Laptop and printer connected wirelessly with Internet

- 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.



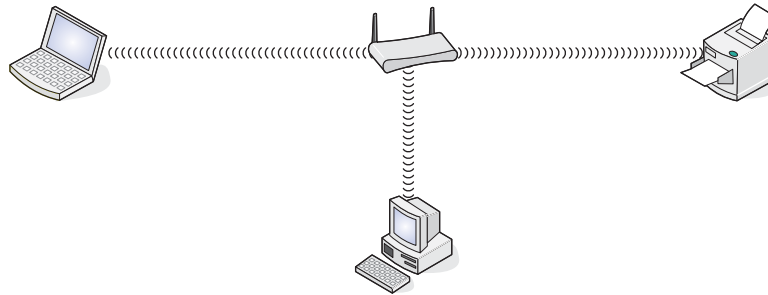
Scenario 2: Computer, laptop, and printer connected wirelessly with Internet

- 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.



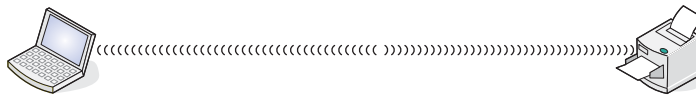
Scenario 3: Computer, laptop, and printer connected wirelessly without Internet

- 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.

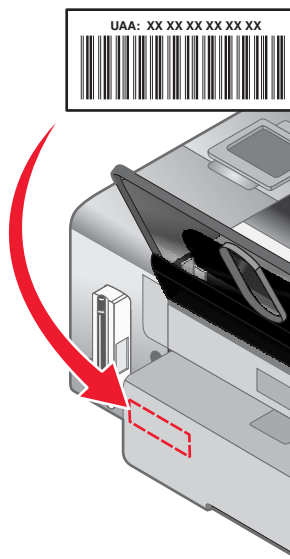


Finding the MAC address

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.

Wireless networking

IP addresses

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's IP address

You can locate the printer's IP address by printing out the printer's network setup page.

How to locate a computer's IP address

- 1 Click **Apple menu → System Preferences**.
- 2 Click **Network**.
- 3 From the Show pop-up menu, select **Airport**.
- 4 Click **TCP/IP**.

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.

Related topics:

- “Installing the printer on a network” on page 11

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

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.

Networking the printer

Installing and configuring a printer for use on a network lets users at different computers print to a common printer. There are two methods for networking this printer:

- Configure a wireless network connection for the printer.

Note: To set up the printer, use a computer that connects wirelessly to the network. The printer must be near the computer you will be using to configure it. After configuration, the printer can be moved to the location where it will reside.

- Connect the printer directly to a network computer using the USB cable, and enable it to be shared across the network (printer sharing).

Note: Refer to Mac Help for details on how to share your printer across the network.

Know your security keys

To set up your printer for wireless printing, you need the following information:

- Know the name (SSID) of your wireless network.
- If your wireless network uses a security scheme, make sure you know the password that was used to keep your network secure. This password is also known as a security key, WEP key, or WPA key.

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.

Use the table below to write down the information you need to know.

Item	Description
SSID (name of your network)	
Security key (password)	

- 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.

Why do I need an installation cable?

When you set up the printer on your wireless network, you will need to temporarily connect the printer to a computer using the installation cable. This temporary connection is used to set up the wireless settings of the printer.

An installation cable is also known as a *USB cable*.

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.

Installing the printer on additional network computers

If you are installing your network printer for use with multiple computers on the network, insert the installation CD into each additional computer, and follow the instructions on the computer screen.

- You do not need to repeat the connection steps for each computer you want to print to the printer.
- The printer should appear as a highlighted printer in the installation. If multiple printers appear in the list, make sure you select the printer with the correct IP address/MAC address.

Related topics:

- “Finding the MAC address” on page 8
- “Finding IP addresses” on page 9

Sharing the printer on a network

To let other Macintosh computers on your network that use Mac OS X version 10.3 or later use any printer connected to your Macintosh computer:

- 1** Click **Apple menu → System Preferences**.
- 2** Click **Print & Fax**.
- 3** From the Sharing tab, select **Share these printers with other computers**.
Note: If necessary, click the lock so you can make changes.
- 4** Select the printer(s) you want to share with other computers.

To let Windows computers on your network use any printer connected to your Macintosh computer:

- 1** Click **Apple menu → System Preferences**.
- 2** Click **Print & Fax**.
- 3** From the Sharing tab, select **Share these printers with other computers**.
Note: If necessary, click the lock so you can make changes.
- 4** Select the printer(s) you want to share with other computers.
- 5** Click **Show All**, and then click **Sharing**.
- 6** From the Services tab, select **Windows Sharing**.

Note: Windows users should see the Windows documentation for information on adding a network printer connected to a Macintosh computer.

Selecting a network printer

You can print or scan using a network printer connected to a local or remote subnet.

- 1** Open the application that you want to use. The Network Selection sheet can be accessed through two different paths:

If you are using	Do this
Lexmark Setup Assistant (during setup)	a Install the printer software. For more information, see “Installing the printer software” on page 83. b Once the Printer Selection screen appears, choose Add Remote from the drop-down menu.

If you are using	Do this
All-in-One Center	<ol style="list-style-type: none"> a From the Finder desktop, double-click the Lexmark 4800 Series folder. b Double-click the Lexmark 4800 Series Center icon. c From the menu, choose Advanced → Network Scan Access. The Network Scan Access dialog appears. d Click +.

The Network Selection sheet appears.

- 2** Select a printer from your local subnet or from a remote subnet.
 - The application searches for supported printers in the network or printers that are connected to your computer.
 - If you want to select a particular printer on a remote subnet, type the IP address of the print server to which the printer is connected in the Search by IP field, and then press **return** on your keyboard. If you do not know the IP address of the print server, consult the person who set up your network.
 - If you want to search a remote subnet for supported printers, type any IP address that belongs to the particular subnet in the Search by IP field and the subnet mask in CIDR notation, and then press **return** on your keyboard. If you do not know the IP address of the print server, consult the person who set up your network.
- 3** From the list of printers, select the name of the printer that you want to use.
- 4** Click **Select**.

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.

Using a wireless network connection

This printer contains an internal wireless print server, which allows the printer to be used on a wireless network. The following settings from your existing wireless network may be needed to properly configure the printer for use on the network:

- The network name, also known as the SSID
- The type of security used on the network (WEP, WPA, WPA2)
- Any applicable security keys or passwords used with the network security encryption type

- 1** Insert the printer software CD.
- 2** From the Finder desktop, double-click the **Lexmark 4800 Series Installer** icon.
- 3** Double-click **Install**.
- 4** Click **Continue**.
- 5** Follow the instructions on the computer screen.

If your printer is already installed but you have not set it up for use on your wireless network, you need to add your printer to the Printer List.

- 1** From the Finder desktop, click **Applications**.
- 2** From Applications, double-click **Utilities**.

3 Double-click **Printer Setup Utility**.

The Printer List dialog appears.

4 From the menu bar, click **Add**.

The Printer Browser dialog appears.

5 Select **XXXX Series <MAC:nnnnnn>**, and then click **Add**.

The Printer Browser closes, and the printer is displayed in the Printer List dialog.

Note: **XXXX** is the printer series number, and **nnnnnn** is the last six digits of the printer's MAC address.

6 Run the Wireless Setup Assistant to configure the printer for use on your wireless network.

For more information, see “Run the Wireless Setup Assistant” on page 122.

Related topics:

- “Changing wireless settings after installation” on page 121

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.

Why do I need to disconnect the installation cable?

You need to disconnect the installation cable to complete the wireless installation.

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.

Advanced wireless setup

Creating an ad hoc wireless network using Mac

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*.

- 1 Make sure the computer is on.
- 2 From the Finder desktop, click **Applications**.
- 3 From Applications, double-click **Internet Connect**.
- 4 From the toolbar, click **AirPort**.
- 5 From the Network pop-up menu, click **Create Network**.
- 6 Create a name for your ad hoc network, and then click **OK**.
- 7 Insert the CD for Macintosh to run the wireless setup.
- 8 From the Finder desktop, double-click the **Lexmark 4800 Series Installer** icon.
- 9 Double-click the **Install** icon.
- 10 Click **Continue**.
- 11 Follow the instructions on the computer screen.

Note: Store your network name and password in a safe place for future reference.

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

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click **Wireless Setup Assistant**.
- 3 Follow the instructions on the computer screen.

Printing

Getting started

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.

Related topics:

- “Using the automatic paper type sensor” on page 16

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.

Related topics:

- “Printing envelopes” on page 24

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.

Related topics:

- “Printing cards” on page 23

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.

Related topics:

- “Printing transparencies” on page 25

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.

Related topics:

- “Printing iron-on transfers” on page 25

Loading custom-size paper

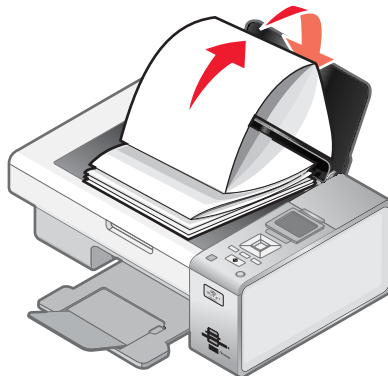
You can load up to 100 sheets of custom-size paper at a time.

- 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 inchesLength:
 - 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.

Related topics:

- “Printing a banner” on page 26

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.

Learning about the All-In-One software print options

Choosing a paper size

- 1 With a document open, click **File → Page Setup**.
- 2 From the "Format for" pop-up menu, choose **4800 Series**.
Note: When you select Any Printer, your paper size choices are limited. By selecting the name of your printer, you have many more paper size options.
- 3 From the Paper Size pop-up menu, choose a paper size.
- 4 Click **OK**.

Related topics:

- "Using the Page Setup dialog" on page 84

Choosing a paper type

By default, the paper type sensor is set to Automatic. It can detect and adjust the paper type settings for plain, heavyweight matte, glossy/photo, and transparency paper. To manually choose the paper type:

- 1 With a document open, click **File → Print**.
- 2 From the Copies & Pages pop-up menu, choose **Quality & Media**.
- 3 From the Paper Type pop-up menu, choose a paper type.
- 4 Click **Print**.

Notes:

- Manually choosing a paper type turns off the paper type sensor for the current print job.
- For multiple-page jobs, the printer assumes the subsequent pages are the same paper type as the first sheet detected.

Related topics:

- "Using the Print dialog" on page 85

Choosing a print quality

- 1 With a document open, click **File → Print**.
- 2 From the Printer pop-up menu, choose **4800 Series**.
- 3 From the third pop-up menu from the top, choose **Quality & Media**.
- 4 From the Print Quality menu, select the appropriate print quality for the document:
 - **Automatic**—Default selection.
 - **Quick Print**—Best for text-only documents with reduced print quality but faster print speed.
 - **Normal**—Recommended for most types of documents.
 - **Best**—Recommended for photos and documents with graphics.
- 5 Click **Print**.

Related topics:

- “Using the Print dialog” on page 85

Collating copies using the computer


The printer can sort multiple copy jobs. For example, if you print two copies of a three-page document, and you choose not to collate them, the pages print in this order: 1, 1, 2, 2, 3, 3. If you choose to collate, the pages print in this order: 1, 2, 3, 1, 2, 3.

- 1 With a document open, click **File → Print**.
- 2 In the Copies field, enter the number of copies you want to print.
- 3 Choose **Collated**.

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Collating copies using the control panel” on page 35
- “Using the Print dialog” on page 85

Sharpening an image

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 Click **Preview/Edit** to open the Scan dialog.
- 4 From the Scan dialog, click  to open the Scan Settings drawer.
- 5 Click the **Adjustments** tab.
- 6 From the Blur/Sharpen area, move the slider to adjust the level of sharpness of the scanned image.

Related topics:

- “Customizing scan settings from the Scan dialog” on page 42
- “Enhancing photo print quality using the software” on page 72

Resetting All-In-One software settings to defaults

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 Click **Defaults**.

Related topics:

- “Using the All-In-One Center” on page 90
- “Customizing scan settings from the Scan dialog” on page 42

Performing printing and related tasks

Printing a document

- 1 Load paper.
- 2 With a document open, click **File → Print**.
- 3 From the Printer pop-up menu, choose **4800 Series**.
- 4 From the third pop-up menu from the top, select the settings you want to adjust, and adjust the settings.

You can specify print quality, the number of copies to print, the type of paper you're printing on, and how you want the pages to print.

- 5 Click **Print**.

Related topics:

- “Loading paper” on page 16
- “Using the Print dialog” on page 85

Printing 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.)

Note: 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.

- 2 Customize the settings as needed in the Page Setup dialog.
 - a With a photo open, choose **File → Page Setup**.
 - b From the “Format for” pop-up menu, choose **4800 Series**.
 - c From the Paper Size pop-up menu, choose the paper size loaded.
 - d Choose an orientation.
 - e Click **OK**.
- 3 Customize the settings as needed in the Print dialog.
 - a With a photo open, choose **File → Print**.
 - b From the Printer pop-up menu, choose **4800 Series**.
 - c For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.
 - d From the Copies & Pages pop-up menu, type the number of copies to be printed in the Copies field.

- e From the same pop-up menu, choose **Quality & Media**.
 - From the Paper Type pop-up menu, choose the type of paper you are using.
 - From the Print Quality menu, choose **Automatic** or **Best**.
- f Click **Print**.

Related topics:

- “Loading paper” on page 16
- “Enhancing photo print quality using the software” on page 72

Printing borderless photos

- 1 Load photo or glossy 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.)

Notes:

- Use only the following paper sizes to print borderless photos: letter, A4, A5, B5, A6, Hagaki, 3.5 x 5 in., 4 x 6 in., 5 x 7 in., 10 x 15 cm, 13 x 18 cm, L, and 2L.
- If you use plain paper instead of a photo paper, the printed photo may come out with small margins around its borders.

- 2 Customize the settings as needed in the Page Setup dialog.

- a With a photo open, choose **File → Page Setup**.
- b From the “Format for” pop-up menu, choose **4800 Series**.
- c From the Paper Size pop-up menu, choose the paper size loaded.

Note: Make sure you choose an option that has (Borderless) in it. For example, if you loaded a 4 x 6 photo card, choose **US 4 x 6 in (Borderless)**.

- d Choose an orientation.
- e Click **OK**.

- 3 Customize the settings as needed in the Print dialog.

- a With a photo open, choose **File → Print**.
- b From the Printer pop-up menu, choose **4800 Series**.
- c For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.
- d From the Copies & Pages pop-up menu, type the number of copies to be printed.
- e From the same pop-up menu, choose **Quality & Media**.
 - From the Paper Type pop-up menu, choose the type of paper you are using.
 - From the Print Quality menu, choose **Automatic** or **Best**.

- f Click **Print**.

Related topics:

- “Loading paper” on page 16
- “Enhancing photo print quality using the software” on page 72

Printing cards

- 1 Load greeting cards, index cards, or postcards.

Notes:

- Make sure the thickness of each card does *not* exceed 0.020 inch (0.50 mm).
- Make sure the print side of the card faces you.

2 Customize the settings as needed in the Page Setup dialog.

- a** With a document open, click **File → Page Setup**.
- b** From the “Format for” pop-up menu, choose **4800 Series**.
- c** From the Paper Size pop-up menu, choose a card size.
- d** Choose an orientation.
- e** Click **OK**.

3 Customize the settings as needed in the Print dialog.

- a** From the software application, click **File → Print**.
- b** From the Printer pop-up menu, choose **4800 Series**.
- c** Click **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.

Related topics:

- “Loading greeting cards, index cards, photo cards, and postcards” on page 18

Printing envelopes

1 Load envelopes.

Notes:

- Do *not* load envelopes with holes, perforations, cutouts, deep embossing, metal clasps, metal folding bars, string ties, or exposed flap adhesive.
- Make sure the print side of the envelopes faces you.

2 Customize the settings as needed in the Page Setup dialog.

- a** With a document open, click **File → Page Setup**.
- b** From the “Format for” pop-up menu, choose **4800 Series**.
- c** From the Paper Size pop-up menu, choose the envelope size loaded.
- d** Choose an orientation.

Notes:

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

e Click **OK**.

3 Customize the settings as needed in the Print dialog.

- a** From the software application, click **File → Print**.
- b** From the Printer pop-up menu, choose **4800 Series**.
- c** Click **Print**.

Related topics:

- “Loading envelopes” on page 17

Printing iron-on transfers

- 1 Load iron-on transfers.
- 2 Customize the settings as needed in the Page Setup dialog.
 - a With a document open, click **File → Page Setup**.
 - b From the “Format for” pop-up menu, choose **4800 Series**.
 - c From the Settings pop-up menu, choose **Page Attributes**.
 - d Choose a paper size.
 - e Choose an orientation.
 - f Click **OK**.
- 3 Customize the settings as needed in the Print dialog.
 - a From the software application, click **File → Print**.
 - b From the Printer pop-up menu, choose **4800 Series**.
 - c From the third pop-up menu from the top, choose **Quality & Media**.
 - d From the Paper Type pop-up menu, choose **Iron-On Transfer**.

Note: Choosing Iron-On Transfer automatically mirrors the image you want to print.
 - e Select a print quality other than Quick Print. Best is recommended.
- 4 Click **Print**.

Note: To prevent smudging, remove each iron-on transfer as it exits, and let it dry before stacking.

Related topics:

- “Loading iron-on transfers” on page 18
- “Using the Page Setup dialog” on page 84
- “Using the Print dialog” on page 85

Printing transparencies

- 1 Load transparencies.
- 2 Customize the settings as needed in the Page Setup dialog.
 - a With a document open, click **File → Page Setup**.
 - b From the “Format for” pop-up menu, choose **4800 Series**.
 - c From the Paper Size pop-up menu, choose a paper size.
 - d Choose an orientation.
 - e Click **OK**.
- 3 Customize the settings as needed in the Print dialog.
 - a From the software application, click **File → Print**.
 - b From the Printer pop-up menu, choose **4800 Series**.
 - c From the third pop-up menu from the top, choose **Quality & Media**.
 - From the Paper Type pop-up menu, choose **Transparency**.
 - Select a print quality.

Note: Higher print quality settings result in better quality documents but may take longer to print.

d Click **Print**.

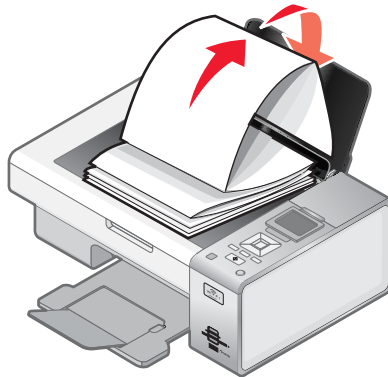
Note: To prevent smudging, remove each transparency as it exits, and let it dry before stacking. Transparencies may require up to 15 minutes to dry.

Related topics:

- “Loading transparencies” on page 18

Printing a banner

- 1** Remove all paper from the paper support.
- 2** Tear off only the number of pages needed for the banner (up to 20 sheets).
- 3** Place the required stack of banner paper on the top cover.
- 4** Load only the first page of banner paper into the paper support with the leading edge of the banner going into the printer.



- 5** Adjust the left and right paper guides.
- 6** Customize the settings in the Page Setup dialog.
 - a** With your document open, choose **File → Page Setup**.
 - b** From the Settings pop-up menu, choose **Page Attributes**.
 - c** From the “Format for” pop-up menu, choose the printer.
 - d** From the Paper Size pop-up menu, choose **A4 Banner** or **US Letter Banner**.
 - e** Select an orientation.
 - f** Click **OK**.
- 7** Customize the settings in the Print dialog.
 - a** With your document open, choose **File → Print**.
 - b** From the Printer pop-up menu, choose the printer.
 - c** From the third pop-up menu from the top, choose **Quality & Media**.
 - From the Paper Type pop-up menu, choose **Plain**.
 - Select a print quality.

Note: Higher print quality settings result in better quality documents but may take longer to print.

d Click **OK**.

Related topics:

- “Loading banner paper” on page 19
- “Using the Print dialog” on page 85

Printing multiple pages on one sheet

- 1 Load paper.
- 2 Customize the settings as needed in the Page Setup dialog.
 - a With a document open, choose **File → Page Setup**.
 - b From the “Format for” pop-up menu, choose **4800 Series**.
 - c From the Settings pop-up menu, choose **Page Attributes**.
 - d Choose a paper size.
 - e Choose an orientation.
 - f Click **OK**.
- 3 Customize the settings as needed in the Print dialog.
 - a With a document open, click **File → Print**.
 - b From the Printer pop-up menu, choose **4800 Series**.
 - c From the third pop-up menu from the top, choose **Layout**.
 - From the Pages per Sheet pop-up menu, choose the number of pages you want to print on one sheet.
 - From the Layout Direction area, click the icon that shows the order you want the pages to print on one sheet.
 - If you want to print a border around each page image, choose an option from the Border pop-up menu.
 - d Click **Print**.

Related topics:

- “Loading paper” on page 16

Printing color images in black and white

This setting is available only if there is a black print cartridge installed.

- 1 Load paper.
- 2 Customize the settings in the Page Setup dialog as needed.
- 3 With a document open, click **File → Print**.
- 4 From the Printer pop-up menu, choose **4800 Series**.
- 5 From the third pop-up menu from the top, choose **Color Options**.
- 6 From the Document Color pop-up menu, choose **Black Only**.
- 7 Click **Print**.

Related topics:

- “Loading paper” on page 16

Printing multiple copies of a stored document

- 1 With a document open, click **File → Print**.
- 2 From the Printer pop-up menu, choose **4800 Series**.
- 3 From the third pop-up menu, choose **Copies & Pages**.
- 4 Enter the number of copies you want to print.

Related topics:

- “Loading paper” on page 16
- “Using the Print dialog” on page 85

Printing the last page first (reverse page order)

For Mac OS X version 10.4.2 or later:

- 1 With a document open, click **File → Print**.
- 2 From the third pop-up menu, choose **Paper Handling**.
- 3 From the Page Order menu, select **Reverse**.
- 4 Click **Print**.

For Mac OS X version 10.3.9:

- 1 With a document open, click **File → Print**.
- 2 From the third pop-up menu, choose **Paper Handling**.
- 3 Select **Reverse page order**.
- 4 Click **Print**.

Related topics:

- “Loading paper” on page 16
- “Using the Print dialog” on page 85

Printing 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 automatically for letter- or A4-size plain paper.

If you need to print duplex using paper other than letter- or A4-size plain paper, see “Printing on both sides of the paper (duplexing) manually” on page 29.

Printing on both sides of the paper (duplexing) automatically

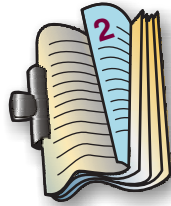
The printer has a built-in duplex unit that lets you print on both sides of the paper automatically by using the settings in the Two-Sided menu of the Print dialog.

Note: Use only letter- or A4-size plain paper.

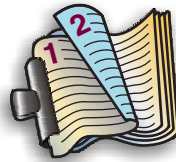
- 1 Load paper.
- 2 With a document open, click **File → Print**.
- 3 From the Printer pop-up menu, choose **4800 Series**.
- 4 From the third pop-up menu from the top, choose **Layout**.

5 From the Two-Sided menu, select **Long-edged binding** or **Short-edged binding**.

- For Long-edged binding, pages are bound along the long edge of the page (left edge for portrait, top edge for landscape).



- For Short-edged binding, pages are bound along the short edge of the page (left edge for landscape, top edge for portrait).



6 Click **Print**.

Related topics:

- “Duplex unit does not operate correctly” on page 130
- “Paper jam in the duplex unit” on page 137

Printing on both sides of the paper (duplexing) manually

Note: If you are using letter- or A4-size plain paper, use automatic duplexing. For more information, see “Printing on both sides of the paper (duplexing) automatically” on page 28.

- 1** With a document open, click **File → Print**.
- 2** From the third pop-up menu from the top, choose **Paper Handling**.
- 3** From the Print menu, select **Odd numbered pages**.
- 4** Click **Print**.
- 5** After printing the first set of pages, flip the stack of printouts.
Load the stack of pages back into the paper support, with the blank side of the pages facing you.
- 6** Repeat steps 1 and 2.
- 7** From the Print menu, select **Even numbered pages**.
- 8** Click **Print**.


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 .

Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57

Printing a test page using the computer

1 Load plain paper.

2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.

3 Double-click the **Lexmark 4800 Series Utility** icon.

4 From the Maintenance tab, click **Print Test Page**.

A page prints.

If the test page did not print at all or has quality problems, attend to any error messages that appear on the screen.

Related topics:

- “Using the Utility” on page 93
- “Test page does not print” on page 109

Managing print jobs

Pausing print jobs

1 While the document is printing, click the printer icon on the dock.

2 From the queue window, select the job you want to pause.

3 Click the **Hold** icon.

Note: You can also click the **Stop Jobs** icon to pause printing all jobs.

Related topics:


- “Using the Print dialog” on page 85
- “Resuming print jobs” on page 31
- “Canceling a print job” on page 31

Canceling a print job

To cancel a print job using the control panel:

- 1 Press .

Printing stops and the print cartridge carrier returns to its home position.

- 2 Press  to turn off the printer.

To cancel a print job using the computer:

- 1 While the document is printing, click the printer icon on the dock.
- 2 From the queue window, select the job you want to cancel.
- 3 Click the **Delete** icon.

Related topics:

- “Using the control panel” on page 78
- “Pausing print jobs” on page 30

Resuming print jobs

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**, depending on the operating system version you are using.
- 2 From the list of printers, double-click your printer.
- 3 From the printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in the queue. If you want to resume a particular print job, select the document name, and then click **Resume**.

Related topics:

- “Pausing print jobs” on page 30
- “Canceling a print job” on page 31

Copying

Getting started

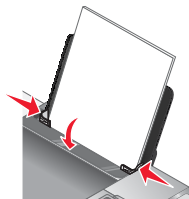
Loading paper

- 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.

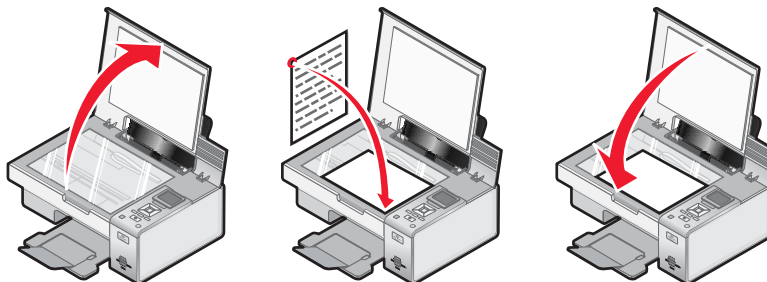


Note: To avoid paper jams, make sure the paper does not buckle when you adjust the paper guides.

Related topics:

- “Using the automatic paper type sensor” on page 16

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.

Related topics:

- “Understanding the parts of the printer” on page 76
- “Making a copy” on page 33
- “Scanning a document” on page 46

Performing copying and related tasks


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 .


Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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 .

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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 .

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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 79.

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.

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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 .

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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.

Related topics:


- “Loading original documents on the scanner glass” on page 32
- “Collating copies using the computer” on page 21
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79


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 .

Related topics:

- “Loading paper” on page 16
- “Loading original documents on the scanner glass” on page 32
- “Understanding the Copy Mode menu” on page 79

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 .

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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.

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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.


Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

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.

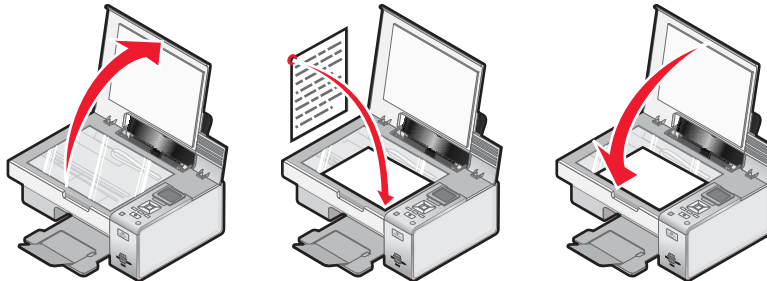
Related topics:

- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

Scanning

Getting started

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.

Related topics:

- “Understanding the parts of the printer” on page 76
- “Making a copy” on page 33
- “Scanning a document” on page 46

Learning about the All-In-One Center scan options

Choosing where to send scanned images

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the “Send scanned image to” pop-up menu, choose the scan destination.
 - **File**—Saves the scanned image as a file to open later.
 - **Clipboard**—Saves the scanned image to the Clipboard so you can paste it into another document. Large scans may not fit the Clipboard.
Note: Scanning at a high resolution to the Clipboard uses a large amount of system memory and drastically affects system performance.
 - **An application**—Opens the scanned image in the specified application.

Related topics:

- “Saving a scanned image” on page 52
- “Using the All-In-One Center” on page 90

Editing the Customize list

The list of applications in the Customize list is generated when you install the All-In-One software. You can expand this list to a maximum of 50 applications. You can add, remove, or modify an application in the Customize list.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the “Send scanned image to” pop-up menu, scroll down to the bottom of the list, and choose **Customize list**. The Customize list dialog appears, showing all available applications.

To add an application to the list:

- 1 Click **+**.
- 2 Click **Browse** to navigate through the list of applications available on the computer. Click the application that you want to add to the Available Applications list.
- 3 Click **OK**.
- 4 From the File Type pop-up menu, choose the type of file you want to send to your chosen application.
- 5 Edit the display name if desired. This is the name that will appear in the “Send scanned image to” pop-up menu.
- 6 Click **OK**.

To remove an application from the list:

- 1 From the list of applications, choose the application you want to remove.
- 2 Click **-**.
- 3 If you are sure, click **OK** when prompted. Otherwise, click **Cancel**.

To modify an application in the list:


- 1 From the list of applications, choose the application you want to modify.
- 2 Click **Edit**.
- 3 Edit the name to be displayed in the “Send scanned image to” pop-up menu.
 - Click **Browse** to choose a new path to the application.
 - From the File Type pop-up menu, choose the type of file you want to send to this application. You can choose only one type of file.
 - Click **OK**.

Related topics:

- “Selecting the All-In-One Center Preferences setting” on page 46

Adjusting color settings when scanning

You can manually adjust the color settings for optimum color output.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the All-In-One Center, click **Preview/Edit** to open the Scan dialog.
- 4 From the Scan dialog, click  to open the Scan Settings drawer.

5 From the Settings tab:

- Select a preset scan setting corresponding to your document.
- If you are not satisfied with a preset setting, customize the scan settings by adjusting color depth and resolution, and choosing a descreening option if you need to remove wavy patterns from images scanned from magazines or newspapers.
- Reduce background noise, if necessary. Select **Reduce Background Noise**, and move the slider to adjust the level of noise reduction.

6 From the Adjustments tab:


- Adjust the brightness, contrast, and gamma (color correction curve). Move the sliders to adjust the levels.
- Sharpen the image. Move the slider to adjust sharpness of your image.
- Invert colors. Select **Invert Colors** to reverse the colors of your image. The effect is similar to that of a film negative.

Related topics:

- “Customizing scan settings from the Scan dialog” on page 42
- “Adjusting the brightness of an image” on page 45

Customizing scan settings from the Scan dialog


You can adjust the scan settings and do creative scanning jobs on the Scan dialog.

- 1** From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2** Double-click the **Lexmark 4800 Series Center** icon.
- 3** Click **Preview/Edit** to open the Scan dialog.
- 4** Click  to open the Scan Settings drawer and change the settings as needed.






The Scan dialog has three main sections: the Settings tab, the Adjustments tab, and the Preview area.

From here	Go to	To
Settings tab	Scan Settings	Select a preset scan setting according to the color and document type of your scan. Note: Select Custom Settings to customize the scan setting manually instead of using a preset scan setting.
	Reduce Background Noise	Remove smudges and light background shading in color documents.

From here	Go to	To
Adjustments tab	Brightness	Adjust the lightness and darkness of the scanned image.
	Contrast	Adjust the tone of the image as it is set off against a light or dark background.
	Gamma	Increase or decrease the color correction curve. Enabling gamma lets you adjust the amount of ink on the page.
	Blur/Sharpen	Adjust the level of sharpness of the scanned image.
	Rotate Image	Rotates the image 90 degrees clockwise per click.
	Invert Colors	Reverse the colors of the image by inverting the RGB data. The effect created is similar to that of a film negative.
	Mirror	Produce a mirror image of the document or image.
	Defaults	Reset the Adjustment controls to the factory default settings.
Preview area		See a preview of the image. Some settings in the dialog are interactive, so you can readily view the changes on the image as you adjust the settings. Clicking  re-scans the original document and shows the recent changes in the Preview area.
	Auto-crop sensitivity	Select or clear Auto-crop sensitivity to activate or deactivate auto-cropping. Adjust the slider to adjust cropping sensitivity.
	Width, height, and file size display	See the dimension of the scanned image. Select your preferred unit of measurement from the pop-up menu.

These buttons are at the top of the Preview area:

Click	To
	Show or hide the Scan Settings drawer.
	Refresh the image in the Preview area.
	Start scanning.

Related topics:


- “Using the All-In-One Center” on page 90

Cropping photos using the software

You can use the Auto-crop feature to highlight certain focal points or to show only a specific portion of an image.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the All-in-One Center dialog, click **Preview/Edit**.
- 4 Select **Auto-crop sensitivity**.

Note: Selecting **Auto-crop sensitivity** automatically selects the area to be scanned.

5 If you are satisfied with the cropped image, click .

If you are not satisfied with the cropped image, make adjustments.


a Use any of these methods to make adjustments:


- Move the slider.

Note: The slider adjusts the file size, width, and height of the image. If the dashed border seems to disappear, the crop area is set beyond the size of the image.

- Click and drag the nodes to expand or minimize the crop area.
- Click and drag the crop area to a part of the image you want copied.

Note: These actions will deactivate Auto-crop sensitivity.

b Click  to preview the image.

c Click  to scan the image.

Related topics:


- “Using the All-In-One Center” on page 90

Adjusting the brightness of an image

1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.

2 Double-click the **Lexmark 4800 Series Center** icon.

3 From the All-In-One Center, click **Preview/Edit** to open the Scan dialog.

4 Click  to open the Scan Settings drawer.

5 Select the **Adjustments** tab.

6 From the Brightness area, move the slider to lighten or darken the image.

Related topics:

- “Customizing scan settings from the Scan dialog” on page 42
- “Adjusting color settings when scanning” on page 41

Sharpening an image

1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.

2 Double-click the **Lexmark 4800 Series Center** icon.

3 Click **Preview/Edit** to open the Scan dialog.

4 From the Scan dialog, click  to open the Scan Settings drawer.

5 Click the **Adjustments** tab.


6 From the Blur/Sharpen area, move the slider to adjust the level of sharpness of the scanned image.

Related topics:



- “Customizing scan settings from the Scan dialog” on page 42
- “Enhancing photo print quality using the software” on page 72

Selecting the All-In-One Center Preferences setting

When scanning from the control panel, you have two options:

- You can indicate that you want the Scan dialog to open on the computer screen when you press  on the control panel. With this option, you can preview the scanned document, and then adjust the scan settings using the All-In-One Center. For more information, see “Using the All-In-One Center” on page 90.
- You can indicate that you want to skip the Scan dialog, and send the scanned document straight to your selected application.

To modify the Preferences setting:

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
 - 2 Double-click the **Lexmark 4800 Series Center** icon.
 - 3 From the menu bar, click **Lexmark All-In-One Center**.
 - 4 Choose **Preferences**.
 - 5 Select or unselect **Show preview when Scan button pressed on the printer** to indicate your preferred scanning option.
 - If you select **Show preview when Scan button pressed on the printer**, the Scan dialog opens on the computer screen when you press  on the control panel.
 - If you unselect it, the scanned document is sent straight to your selected application when you press  on the control panel.
- Note:** By default, **Show preview when Scan button pressed on the printer** is selected.
- 6 Click **OK** to close the Preferences dialog with your scan settings applied and go back to the scan job, or you can click the **Customize list** icon to edit the Available Applications list.

Click  to go to the Help Center for more information.

Related topics:

- “Editing the Customize list” on page 41
- “Performing scanning and related tasks” on page 46

Resetting All-In-One software settings to defaults



- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 Click **Defaults**.


Related topics:

- “Using the All-In-One Center” on page 90
- “Customizing scan settings from the Scan dialog” on page 42

Performing scanning and related tasks

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 .

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Understanding the Scan Mode menu” on page 83
- “Using the control panel” on page 78
- “Understanding the parts of the printer” on page 76

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 .

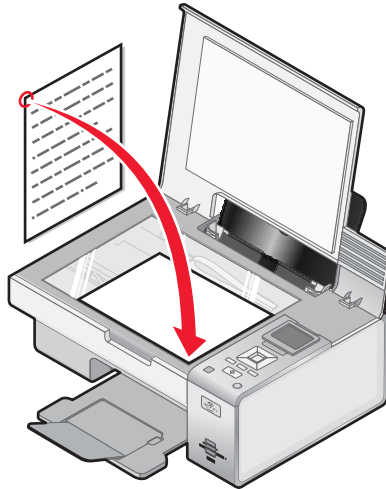
13 Follow the instructions on your computer screen.

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Understanding the Scan Mode menu” on page 83
- “Using the control panel” on page 78

Scanning multiple pages using the scanner glass

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



- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Lexmark 4800 Series Center** icon.
- 4 Select **Prompt for multiple pages**.
- 5 Click **Scan**.
- 6 In the Save dialog, enter a file name for your scan job.
- 7 From the Where pop-up menu, choose a destination for the scanned items.
- 8 From the “Format for” pop-up menu, choose a file type.
- 9 Click **Save**.
- 10 When prompted, place the next item on the scanner glass, and then click **Scan** on the dialog. Continue this for every page you want to scan.
- 11 Click **Done** when you are finished scanning all items.

Notes:

- You can also select **Prompt to name each page** if you want to save each scanned item under a different file name. Otherwise, scanned items will be given the file name you specified and numbered accordingly.
- When a scan job is saved as a PDF, the Save dialog will only prompt once. All scanned pages are saved to only one file since PDF supports multiple-page scanning.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning a text-only 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 Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “What is being scanned?” menu, choose **Black Text**.
- 6 Adjust the settings as needed.
- 7 Click **Scan**.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning a text and graphics 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 Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “What is being scanned?” menu, choose **Mixed Graphics and Text**.
- 6 Adjust the settings as needed.
- 7 Click **Scan**.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning an item for Web page viewing

- 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 Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “How will the scanned image be used?” pop-up menu, choose **To be viewed on monitor/web page**.
- 6 Adjust the settings as needed.
- 7 Click **Scan**.


Related topics:

- “Loading original documents on the scanner glass” on page 32

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 image facedown on the scanner glass.
- 3 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “What is being scanned?” menu, choose **Photo** or **Magazine or Newspaper**.
- 6 From the “How will the scanned image be used?” pop-up menu, choose **To be printed** or **To be viewed on monitor/Web page**.
- 7 From the “Send scanned image to” pop-up menu, choose a destination folder or application for your scanned photo.
- 8 Select **Prompt for multiple pages** if you have several photos to scan.
- 9 Click **Preview/Edit** to open the Scan dialog and adjust settings.

From the Settings tab, you can select a preset scan setting, descreen magazine or newspaper scans, and reduce background noise.

From the Adjustments tab, you can customize the settings as needed.
- 10 Crop photos, if needed. For more information, see “Cropping photos using the software” on page 44.
- 11 Click .



Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning a portion of an image

You can scan certain portions of an image or a document using the cropping function of the Scan dialog. This option is good for scanning logos, parts of a magazine page, or sections of a photo.

- 1 Make sure the printer is connected to a computer, and both the printer and the computer are on.
- 2 Load an original document or image facedown on the scanner glass.
- 3 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 Click **Preview/Edit**.
- 6 Click inside the document or image in the preview area.
- 7 Drag the nodes on the crop area to select the part of the image that you want to scan.



Note: Drag the nodes on the dashed border to expand or minimize the crop area.
- 8 Click .
- 9 Click . Only the designated cropped area is saved or sent to an application.

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Cropping photos using the software” on page 44

Scanning clear images from magazines or newspapers

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

- 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 in the lower right corner.
- 3 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “What is being scanned?” menu, select **Magazine or Newspaper**.
- 6 Click **Preview/Edit**.
- 7 Click  to open the Scan Settings drawer.
- 8 From the Descreen pop-up menu on the Settings tab, choose **Magazine or Newspaper**.
- 9 Click .

Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning text for editing

Use the Optical Character Recognition (OCR) software feature to scan a document and produce text you can edit with a word-processing application.

Note: This function will work only if you have installed ABBYY FineReader 5 SprintX.

- 1 Load an original document facedown on the scanner glass.
- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Lexmark 4800 Series Center** icon.
- 4 From the “What is being scanned?” menu, select a document type other than Photo.
- 5 From the “How will the scanned image be used?” pop-up menu, choose **To be edited (OCR)**.
- 6 From the “Send scanned image to” menu, choose a word-processing application to use for editing.
- 7 Click **Scan**.
- 8 Open the scanned document from the word-processing application for previewing and editing.
- 9 Edit and save the document.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning documents or images for e-mailing

When you want to scan a new item and send it through e-mail:

- 1 Load an original document facedown on the scanner glass.
- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Lexmark 4800 Series Center** icon.

- 4 From the “What is being scanned?” menu, select a document type other than Photo.
- 5 From the “How will the scanned image be used?” menu, choose **To be viewed on monitor/web page**.
- 6 From the “Send scanned image to” menu, choose an application.
- 7 Click **Scan**.
- 8 Retrieve the scanned image from the application, and send it through e-mail as an attachment.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Saving a scanned image



- 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 Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “Send scanned images to” pop-up menu, choose the application where you want to save the scanned image.
- 6 Adjust the settings as needed.
- 7 Click **Scan**.
The scanned image opens in the specified application.
- 8 From the software application, click **File → Save As**.
- 9 Enter the file name, format, and location where you want the scanned image to be saved.
- 10 Click **Save**.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Canceling a scan job

To cancel a scan using the control panel:

- 1 Press .
- 2 Press  to turn off the printer.

To cancel a scan using the software:

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the Progress dialog, click **Cancel**.

Related topics:

- “Using the control panel” on page 78


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.
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.

Related topics:

- “Using the control panel” on page 78
- “Understanding the Scan Mode menu” on page 83

Scanning over a network

Setting a network printer to scan

Assigning a name to your computer

You can assign a name to your computer when you install the printer software for the first time. Choose this name when you scan an item on the network printer and want to send the scanned image to your computer. The name of the computer can be changed, as needed.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the menu, choose **Advanced** → **Network Scan Settings**.
- 4 In the Computer Name field, type in the name of your computer.
- 5 Click **Save**.

Related topics:

- “Setting a “scan to network” PIN” on page 54

Setting a “scan to network” PIN

Assigning a “scan to network” PIN lets you control the sending of scanned items to your computer. You can assign a “scan to network” PIN when you install the printer software for the first time. You can also change it as needed.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the menu, choose **Advanced → Network Scan Settings**.
- 4 Select the check box to specify a PIN.
- 5 Type in a four-digit PIN. Use a combination of numbers from 1-9.
- 6 Click **Save**.

Related topics:

- “Assigning a name to your computer” on page 53


Selecting printers that can scan to your computer

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the menu, choose **Advanced → Network Scan Access**.
The Scan Network Access dialog appears.
- 4 Press **+** to search for printers connected to the local subnet.
The Network All-in-One Selection dialog appears.
- 5 In the search field, type the IP address of the print server. Consult your network administrator for help finding the IP address of the print server.
If you want to narrow your search to a certain subnet, type the IP address of the print server and the subnet mask in CIDR notation.
- 6 On your keyboard, press **return**.
- 7 From the Network All-in-One Selection dialog, select the printer you want to scan to your computer.
- 8 Click **Select**.
- 9 Repeat step 4 to step 8 for every printer that you want to scan to your computer.
- 10 When finished, click **Done**.

Note: To remove a printer from the list, select the printer, and then click **—**.


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 .

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Setting a network printer to scan” on page 53
- “Understanding the Scan Mode menu” on page 83

Working with photos

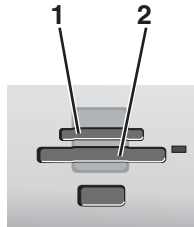
Notes:

- 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 prints to dry at least 24 hours before stacking, displaying, or storing.

Connecting photo storage devices

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:

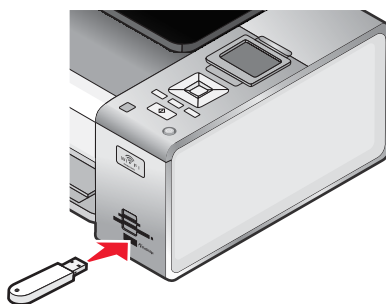
- The printer recognizes one memory card at a time. If you insert more than one memory card, a message appears on the display prompting you to remove all memory cards inserted.
- If a USB flash drive is inserted together with the memory card, a message appears on the display prompting you to choose which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

Related topics:

- “Inserting a flash drive” on page 57
- “Using the control panel” on page 78

Inserting a flash drive

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

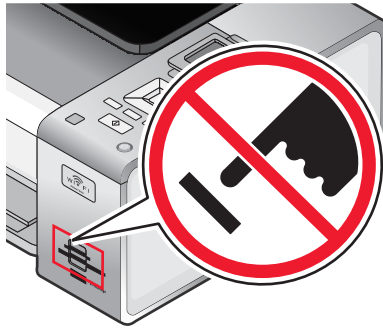


Note: An adapter may be necessary if your flash drive does not fit directly into the port.

- 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.

Related topics:

- “Inserting a memory card” on page 56
- “Using the control panel” on page 78


Removing a memory card or flash drive

A memory card or a flash drive has to be properly removed from the printer to avoid corruption of the device or loss of stored data.

Warning: Do not remove a memory device from the printer while actively printing, reading, or writing from it.


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



- 1 Click  on the Finder desktop, and then drag it to the trash icon on the dock.
- 2 Remove the memory card or flash drive.

If the printer is connected to the computer through a wireless network, and you are using the Network Card Reader to view and download photos from the memory device:



- 1 Click .
- 2 Remove the memory card or flash drive.















Related topics:

- “Inserting a flash drive” on page 57
- “Inserting a memory card” on page 56

Working with photos using the control panel

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 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 .
- 4 Press  to select **Browse and Print Photos**.
- 5 Press  or  to navigate through the photos.
- 6 Press  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  or  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.

Related topics:

- “Loading paper” on page 16
- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Understanding the Photo Card Mode menu” on page 80
- “Understanding the Photo Edit Mode menu” on page 81

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 .
- 4 Press  repeatedly until **Print All Photos** is highlighted.
- 5 Press .
- 6 Press  or  to select the number of photos to be printed on a page.
- 7 Press .
- 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.


Related topics:

- “Loading paper” on page 16
- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Understanding the Photo Card Mode menu” on page 80

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 .
- 4 Press  repeatedly until **Photo Proof Sheet** is highlighted.
- 5 Press .
- 6 Press  or  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  to save your selections.

- 7 Press .

8 Press **✓** 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.

Related topics:

- “Loading paper” on page 16
- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Understanding the Photo Card Mode menu” on page 80

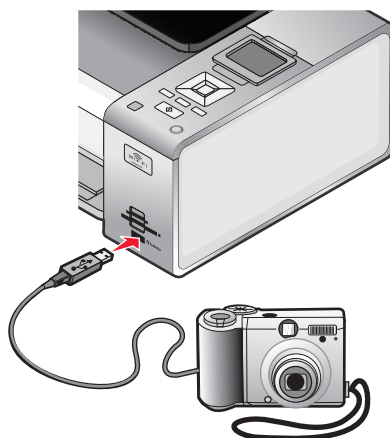
Printing photos from a PictBridge-enabled digital camera

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.





Related topics:

- “Understanding the PictBridge Default Print Settings menu” on page 81

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.

Related topics:

- “Loading paper” on page 16
- “Inserting a memory card” on page 56
- “Understanding the Photo Card Mode menu” on page 80

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.

Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Understanding the Photo Edit Mode menu” on page 81
- “Understanding the Photo Card Mode menu” on page 80

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.

Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Understanding the Photo Card Mode menu” on page 80

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.

Related topics:


- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Transferring photos from a memory device to the computer over a wireless network” on page 73
- “Using the Network Card Reader” on page 91
- “Understanding the Photo Card Mode menu” on page 80

Viewing a slideshow of photos on the control panel display

- 1** Insert a memory card or flash drive.
- 2** From the control panel, press **√**.
- 3** Press **▼** repeatedly until **View Slideshow** is highlighted.
- 4** Press **√**.

5 Press ▲ or ▼ to select a speed for the slideshow.

6 Press ✓.

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

Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Understanding the Photo Card Mode menu” on page 80

Working with photos using the computer

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

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.)

Note: 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.

2 Customize the settings as needed in the Page Setup dialog.

- a With a photo open, choose **File → Page Setup**.
- b From the “Format for” pop-up menu, choose **4800 Series**.
- c From the Paper Size pop-up menu, choose the paper size loaded.
- d Choose an orientation.
- e Click **OK**.

3 Customize the settings as needed in the Print dialog.

- a With a photo open, choose **File → Print**.
- b From the Printer pop-up menu, choose **4800 Series**.
- c For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.
- d From the Copies & Pages pop-up menu, type the number of copies to be printed in the Copies field.
- e From the same pop-up menu, choose **Quality & Media**.
 - From the Paper Type pop-up menu, choose the type of paper you are using.
 - From the Print Quality menu, choose **Automatic** or **Best**.
- f Click **Print**.

Related topics:

- “Loading paper” on page 16
- “Enhancing photo print quality using the software” on page 72

Printing cards

1 Load greeting cards, index cards, or postcards.

Notes:

- Make sure the thickness of each card does *not* exceed 0.020 inch (0.50 mm).
- Make sure the print side of the card faces you.

2 Customize the settings as needed in the Page Setup dialog.

- a** With a document open, click **File → Page Setup**.
- b** From the “Format for” pop-up menu, choose **4800 Series**.
- c** From the Paper Size pop-up menu, choose a card size.
- d** Choose an orientation.
- e** Click **OK**.

3 Customize the settings as needed in the Print dialog.

- a** From the software application, click **File → Print**.
- b** From the Printer pop-up menu, choose **4800 Series**.
- c** Click **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.

Related topics:

- “Loading greeting cards, index cards, photo cards, and postcards” on page 18

Printing borderless photos

1 Load photo or glossy 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.)

Notes:

- Use only the following paper sizes to print borderless photos: letter, A4, A5, B5, A6, Hagaki, 3.5 x 5 in., 4 x 6 in., 5 x 7 in., 10 x 15 cm, 13 x 18 cm, L, and 2L.
- If you use plain paper instead of a photo paper, the printed photo may come out with small margins around its borders.

2 Customize the settings as needed in the Page Setup dialog.

- a** With a photo open, choose **File → Page Setup**.
- b** From the “Format for” pop-up menu, choose **4800 Series**.
- c** From the Paper Size pop-up menu, choose the paper size loaded.

Note: Make sure you choose an option that has (Borderless) in it. For example, if you loaded a 4 x 6 photo card, choose **US 4 x 6 in (Borderless)**.

- d** Choose an orientation.
- e** Click **OK**.

3 Customize the settings as needed in the Print dialog.

- a** With a photo open, choose **File → Print**.
- b** From the Printer pop-up menu, choose **4800 Series**.
- c** For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.
- d** From the Copies & Pages pop-up menu, type the number of copies to be printed.

- e From the same pop-up menu, choose **Quality & Media**.
 - From the Paper Type pop-up menu, choose the type of paper you are using.
 - From the Print Quality menu, choose **Automatic** or **Best**.
- f Click **Print**.

Related topics:

- “Loading paper” on page 16
- “Enhancing photo print quality using the software” on page 72

Printing color images in black and white

This setting is available only if there is a black print cartridge installed.

- 1 Load paper.
- 2 Customize the settings in the Page Setup dialog as needed.
- 3 With a document open, click **File → Print**.
- 4 From the Printer pop-up menu, choose **4800 Series**.
- 5 From the third pop-up menu from the top, choose **Color Options**.
- 6 From the Document Color pop-up menu, choose **Black Only**.
- 7 Click **Print**.


Related topics:

- “Loading paper” on page 16

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 image facedown on the scanner glass.
- 3 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “What is being scanned?” menu, choose **Photo** or **Magazine or Newspaper**.
- 6 From the “How will the scanned image be used?” pop-up menu, choose **To be printed** or **To be viewed on monitor/Web page**.
- 7 From the “Send scanned image to” pop-up menu, choose a destination folder or application for your scanned photo.
- 8 Select **Prompt for multiple pages** if you have several photos to scan.
- 9 Click **Preview/Edit** to open the Scan dialog and adjust settings.

From the Settings tab, you can select a preset scan setting, descreen magazine or newspaper scans, and reduce background noise.

From the Adjustments tab, you can customize the settings as needed.
- 10 Crop photos, if needed. For more information, see “Cropping photos using the software” on page 44.
- 11 Click .

Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning documents or images for e-mailing

When you want to scan a new item and send it through e-mail:

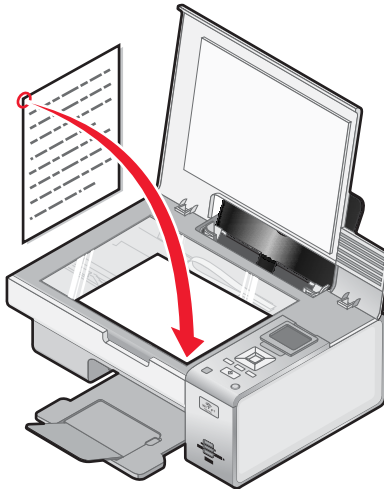
- 1 Load an original document facedown on the scanner glass.
- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Lexmark 4800 Series Center** icon.
- 4 From the “What is being scanned?” menu, select a document type other than Photo.
- 5 From the “How will the scanned image be used?” menu, choose **To be viewed on monitor/web page**.
- 6 From the “Send scanned image to” menu, choose an application.
- 7 Click **Scan**.
- 8 Retrieve the scanned image from the application, and send it through e-mail as an attachment.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Scanning multiple pages using the scanner glass

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



- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Lexmark 4800 Series Center** icon.
- 4 Select **Prompt for multiple pages**.
- 5 Click **Scan**.
- 6 In the Save dialog, enter a file name for your scan job.
- 7 From the Where pop-up menu, choose a destination for the scanned items.
- 8 From the “Format for” pop-up menu, choose a file type.

- 9 Click **Save**.
- 10 When prompted, place the next item on the scanner glass, and then click **Scan** on the dialog. Continue this for every page you want to scan.
- 11 Click **Done** when you are finished scanning all items.

Notes:

- You can also select **Prompt to name each page** if you want to save each scanned item under a different file name. Otherwise, scanned items will be given the file name you specified and numbered accordingly.
- When a scan job is saved as a PDF, the Save dialog will only prompt once. All scanned pages are saved to only one file since PDF supports multiple-page scanning.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Saving a scanned image


- 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 Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 4 Double-click the **Lexmark 4800 Series Center** icon.
- 5 From the “Send scanned images to” pop-up menu, choose the application where you want to save the scanned image.
- 6 Adjust the settings as needed.
- 7 Click **Scan**.
The scanned image opens in the specified application.
- 8 From the software application, click **File → Save As**.
- 9 Enter the file name, format, and location where you want the scanned image to be saved.
- 10 Click **Save**.

Related topics:

- “Loading original documents on the scanner glass” on page 32

Adjusting color settings when scanning

You can manually adjust the color settings for optimum color output.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the All-In-One Center, click **Preview/Edit** to open the Scan dialog.
- 4 From the Scan dialog, click  to open the Scan Settings drawer.

5 From the Settings tab:

- Select a preset scan setting corresponding to your document.
- If you are not satisfied with a preset setting, customize the scan settings by adjusting color depth and resolution, and choosing a descreening option if you need to remove wavy patterns from images scanned from magazines or newspapers.
- Reduce background noise, if necessary. Select **Reduce Background Noise**, and move the slider to adjust the level of noise reduction.


6 From the Adjustments tab:

- Adjust the brightness, contrast, and gamma (color correction curve). Move the sliders to adjust the levels.
- Sharpen the image. Move the slider to adjust sharpness of your image.
- Invert colors. Select **Invert Colors** to reverse the colors of your image. The effect is similar to that of a film negative.

Related topics:

- “Customizing scan settings from the Scan dialog” on page 42
- “Adjusting the brightness of an image” on page 45

Adjusting the brightness of an image

- 1** From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2** Double-click the **Lexmark 4800 Series Center** icon.
- 3** From the All-In-One Center, click **Preview/Edit** to open the Scan dialog.
- 4** Click  to open the Scan Settings drawer.
- 5** Select the **Adjustments** tab.
- 6** From the Brightness area, move the slider to lighten or darken the image.

Related topics:


- “Customizing scan settings from the Scan dialog” on page 42
- “Adjusting color settings when scanning” on page 41

Cropping photos using the software

You can use the Auto-crop feature to highlight certain focal points or to show only a specific portion of an image.

- 1** From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2** Double-click the **Lexmark 4800 Series Center** icon.
- 3** From the All-in-One Center dialog, click **Preview/Edit**.
- 4** Select **Auto-crop sensitivity**.

Note: Selecting **Auto-crop sensitivity** automatically selects the area to be scanned.

- 5** If you are satisfied with the cropped image, click .

If you are not satisfied with the cropped image, make adjustments.

a Use any of these methods to make adjustments:


- Move the slider.

Note: The slider adjusts the file size, width, and height of the image. If the dashed border seems to disappear, the crop area is set beyond the size of the image.

- Click and drag the nodes to expand or minimize the crop area.
- Click and drag the crop area to a part of the image you want copied.

Note: These actions will deactivate Auto-crop sensitivity.


b Click  to preview the image.

c Click  to scan the image.

Related topics:

- “Using the All-In-One Center” on page 90

Enhancing photo print quality using the software





- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 From the “What is being scanned?” menu, choose **Photo**.
- 4 From the “How will the scanned image be used?” pop-up menu, choose **To be printed** or **To be viewed on monitor/web page**. Photo scanning is optimized based on this selection.
- 5 Click **Preview/Edit** to open the Scan dialog.
- 6 From the Scan dialog, click  to open the Scan Settings drawer.
- 7 From the Settings tab, make sure you select one of the preset scan settings appropriate for your photo.
You can also customize scan settings by adjusting color depth, resolution, and choosing a descreening option.
- 8 Select the **Adjustments** tab and fine-tune the scan settings.

Related topics:

- “Using the All-In-One Center” on page 90
- “Customizing scan settings from the Scan dialog” on page 42

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 .

Related topics:

- “Loading original documents on the scanner glass” on page 32
- “Using the control panel” on page 78
- “Understanding the Copy Mode menu” on page 79

Sharpening an image

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 Click **Preview/Edit** to open the Scan dialog.
- 4 From the Scan dialog, click  to open the Scan Settings drawer.
- 5 Click the **Adjustments** tab.
- 6 From the Blur/Sharpen area, move the slider to adjust the level of sharpness of the scanned image.

Related topics:

- “Customizing scan settings from the Scan dialog” on page 42
- “Enhancing photo print quality using the software” on page 72

Transferring photos from a memory device to the computer over a wireless network

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

Note: The printer may require that you select a computer (and a PIN, if required by that computer).

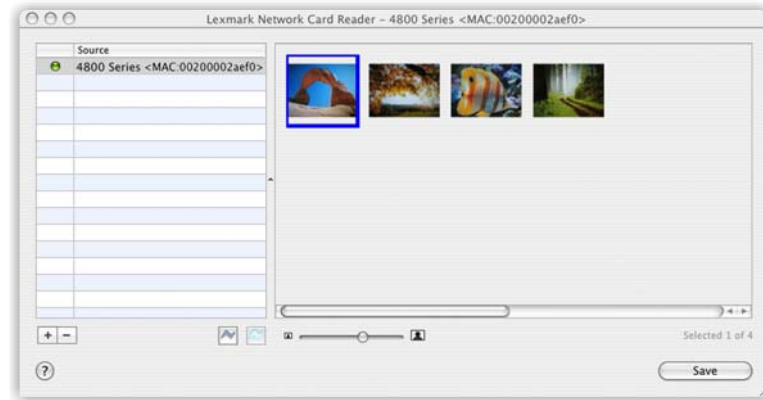
- 1 Insert a memory card or flash drive containing the images you want transferred.
- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Network Card Reader** icon.
- 4 Select the printer you want to use.

Note: You need to add a printer to the Source list before you can select a printer to use. For more information, see “Using the Network Card Reader” on page 91.



- 5 Click

Wait for the Network Card Reader dialog to appear.



6 Select the images you want to save.

7 Click **Save**.

8 Choose the folder where you want the selected images to be saved.

9 Click **Save**.

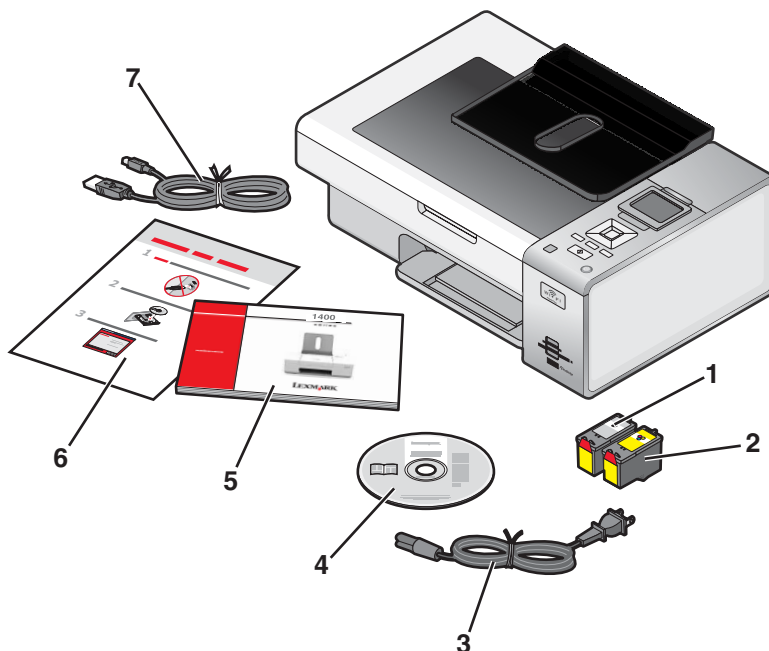
Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Transferring photos from a memory device to the computer using the control panel” on page 65
- “Using the Network Card Reader” on page 91

Understanding the printer

Understanding the printer parts

Checking the box contents

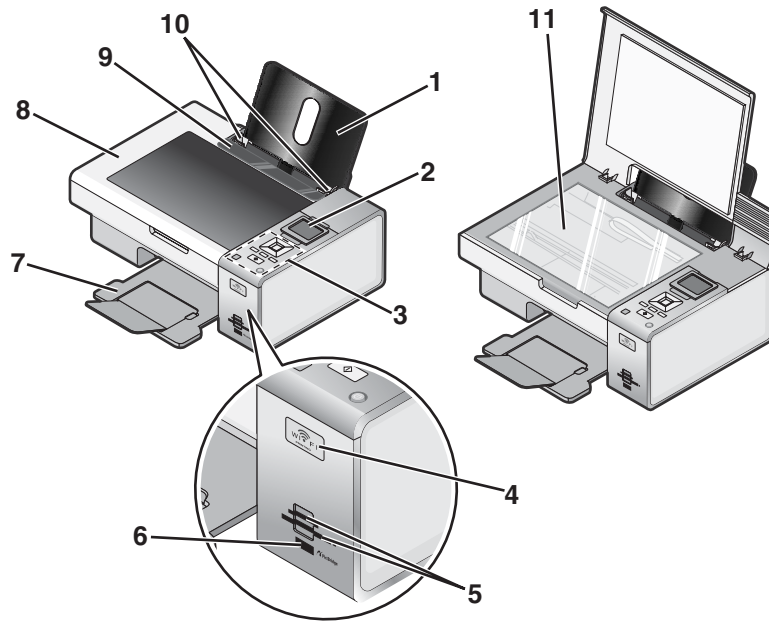


	Name	Description
1	Black print cartridge	Cartridges to be installed into the printer.
2	Color print cartridge	Note: Cartridge combinations vary depending on the product purchased.
3	Power cord	Attaches to the power supply port located at the back of the printer. Note: Your power cord may look different 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.

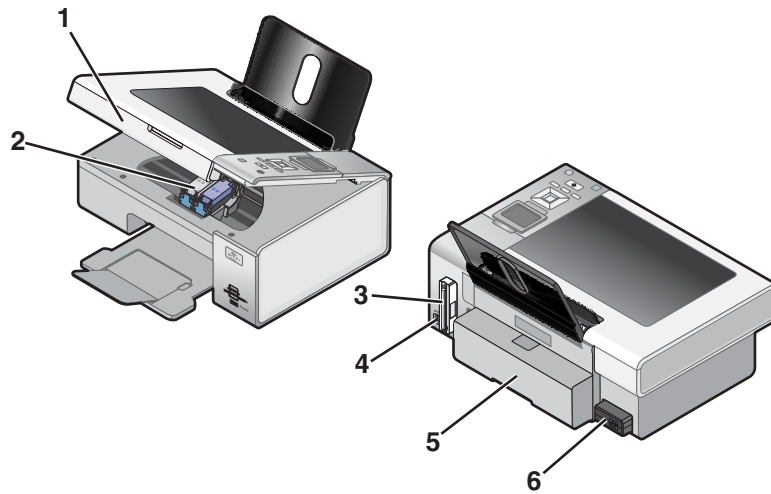
Related topics:

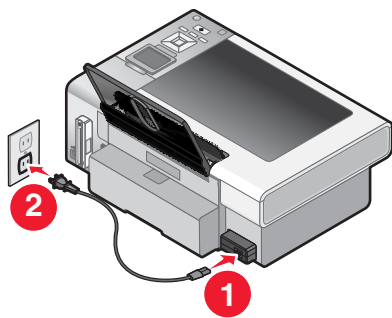
- “Understanding the parts of the printer” on page 76

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 78.
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 137.
6	Power supply with port	Connect the printer to a power source. 

Related topics:












- “Checking the box contents” on page 75
- “Using the control panel” on page 78

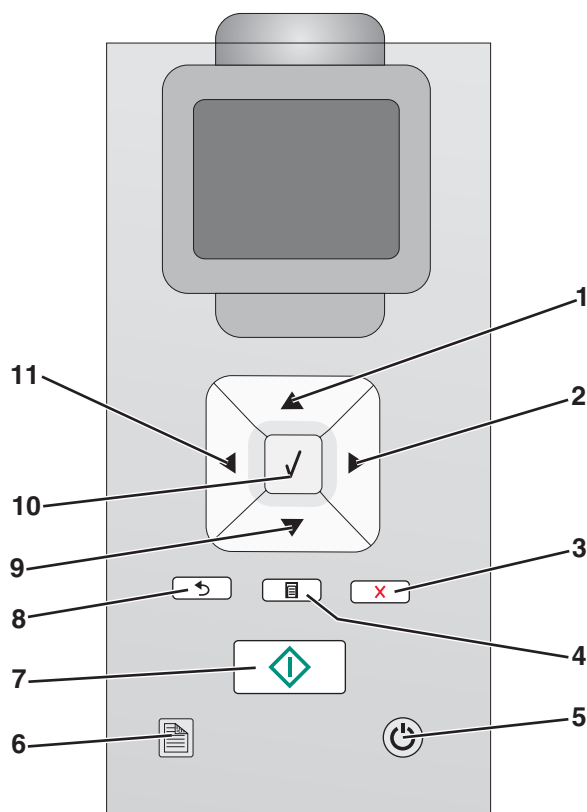
Using the control panel buttons and menus

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.



Related topics:

- “Understanding the Copy Mode menu” on page 79
- “Understanding the Scan Mode menu” on page 83
- “Understanding the Photo Card Mode menu” on page 80

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.

From here	You can
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.

Related topics:

- “Using the control panel” on page 78

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 **√**.

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	<p>Choose a network host computer.</p> <p>This selection is only displayed if the wireless adapter of the printer is properly configured.</p>
Photo Proof Sheet	<p>Print and then scan a proof sheet:</p> <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	<p>Choose how to print all photos:</p> <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.








From here	You can
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.
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.

Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Using the control panel” on page 78

Understanding the Photo Edit Mode menu

To access the Photo Edit Mode menu:

- 1 Insert a memory card or flash drive.
- 2 From the control panel, press .
- 3 Press  to select **Browse and Print Photos**.
- 4 Press  or  to navigate through the photos.
- 5 Press  to select a photo.
- 6 Press .
- 7 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.


Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Using the control panel” on page 78

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.

Related topics:

- “Printing photos from a PictBridge-enabled digital camera” on page 61
- “Using the control panel” on page 78

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.

Related topics:

- “Inserting a memory card” on page 56
- “Inserting a flash drive” on page 57
- “Using the control panel” on page 78

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.

Related topics:

- “Using the control panel” on page 78

Understanding the software

Installing the printer software

Using the CD that came with the printer:

- 1 Close all open software applications.
- 2 Insert the printer 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.

Related topics:

- “Removing the printer software” on page 84
- “Removing and reinstalling the software” on page 148

Removing the printer software

If the printer software is not installed properly, a communication error message appears when you try to print. Uninstall the printer software, and then reinstall it.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
If the folder for the printer is not found on the desktop or was accidentally deleted:
 - a Go to the Mac OS X drive where the printer software was installed.
 - b Choose **Library** → **Printers** → **Lexmark** → **2007** → **Lexmark 4800 Series** folder.
- 2 Double-click the **Uninstaller** icon for your printer.
- 3 Complete the user authentication notice, and then click **OK**.
Note: For information on passwords, click  to go to the Help Center.
- 4 Click **Uninstall**.
- 5 Click **OK**.

Related topics:

- “Installing the printer software” on page 83

Using the Printer Selection dialog

The Printer Selection dialog lists all available and shared printers connected to your computer. It also lets you select a printer you want to use. To do this:

- 1 From the first pop-up menu, choose **Available printers** or **Use Shared** (for shared printers).
- 2 Under the Printer Name window, choose your printer.
- 3 Click **Continue**.

Related topics:

- “Installing the printer software” on page 83

Using the Printer Setup Complete dialog

The Printer Setup Complete dialog provides helpful options after successful installation. From here you can:

- Check for special offers.
- Print a test page.

Related topics:

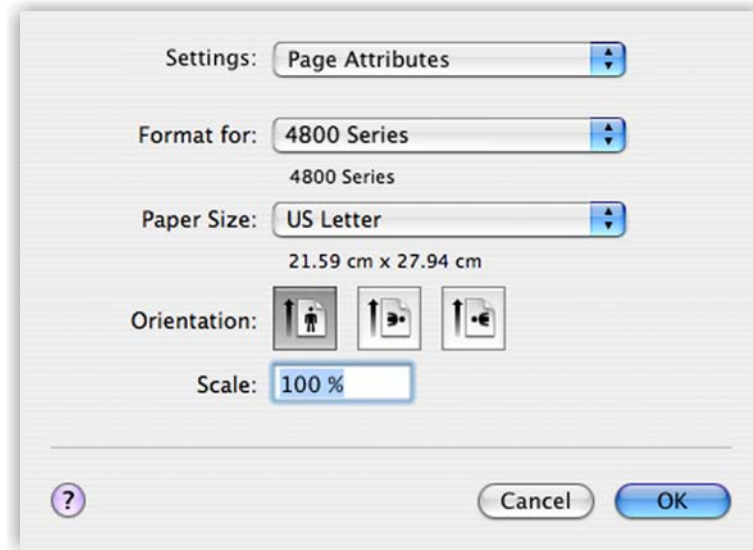
- “Installing the printer software” on page 83

Using the Page Setup dialog

You can open the Page Setup dialog from almost any application:

- 1 With a document or photo open, choose **File** → **Page Setup**.

The Page Setup dialog appears.



2 Adjust the settings.

From here	Choose	To
Settings	Page Attributes	Choose a paper size, orientation, or scaling value for a photo.
	Save as Default	Save customized settings as the default settings.
Format for	The name of your printer	Format a page for printing with the printer.
Paper Size		Choose a paper size from the list.
Orientation		Choose an orientation.
Scale		Reduce or enlarge a photo to a percentage of its original size. Note: Recommended values are between 25% and 400% of the original size.

These buttons are at the bottom of the Page Setup dialog:

Click	To
	Go to the Help Center for more information.
Cancel	Exit the Page Setup dialog without making any changes to the settings.
OK	Save the settings and exit the Page Setup dialog.

Related topics:

- “Using the Print dialog” on page 85

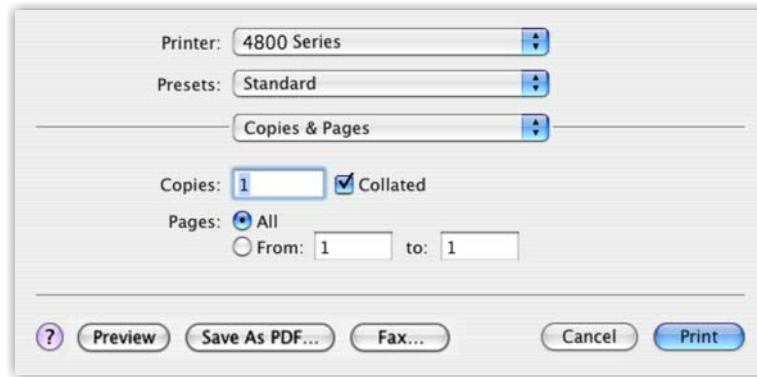
Using the Print dialog

You can open the Print dialog from almost any application:

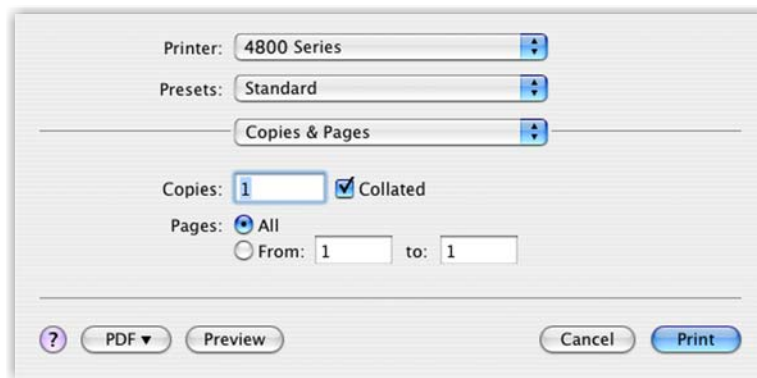
- 1 With a document open, choose **File → Print**.

The Print dialog appears.

- For Mac OS X version 10.3:



- For Mac OS X version 10.4 or later:



2 From the Printer pop-up menu, choose **4800 Series**.


3 Change the settings as needed.

From here	Choose	To
Copies & Pages	Copies	Specify the number of copies you want to print.
	Collated	Sort multiple copy jobs.
	Pages	<ul style="list-style-type: none"> • Print all the pages. • Print a range of pages. • Print the current page.

From here	Choose	To
Layout	Pages per Sheet	Print multiple pages on a single sheet of paper.
	Layout Direction	Specify the arrangement of multiple pages on a single sheet.
	Border	Print a border around each page.
	Two-Sided	Print on both sides of the paper. Choose any of these options: <ul style="list-style-type: none"> • Off • Long-edged binding (pages are bound along the long edge of the page) • Short-edged binding (pages are bound along the short edge of the page)
Output Options Note: This option is available only in Mac OS X version 10.3.	Save as File	Save the print job as a file.
	Format Note: This is activated only when the “Save as File” option is selected.	Choose any of these options: <ul style="list-style-type: none"> • PDF • Postscript
Scheduler	Print Document	Schedule a print job. You can choose to print a file immediately, put it on hold, or specify a time for the printer to print.
	Priority	Specify a priority for printing.
Paper Handling	Page Order	Choose any of these options: <ul style="list-style-type: none"> • Automatic • Normal • Reverse
	Print	Choose any of these print options: <ul style="list-style-type: none"> • All pages • Odd numbered pages • Even numbered pages
	Destination Paper Size	Choose one of these options: <ul style="list-style-type: none"> • Use documents paper size • Scale to fit paper size Note: “Scale down only” is activated only when the “Scale to fit paper size” option is selected.
ColorSync	Color Conversion	Choose Standard .
	Quartz Filter	Choose a filtering option.

From here	Choose	To
Cover Page Note: This option is available only in Mac OS X version 10.4 or later.	Print Cover Page	Choose any of these options: <ul style="list-style-type: none"> • None • Before document • After document
	Cover Page Type	Choose any of these options: <ul style="list-style-type: none"> • Standard • Classified • Confidential • Secret • Top Secret • Unclassified
	Billing Info	Enter billing information.
Quality & Media	Paper Type	Specify the type of paper loaded.
	Print Quality	Choose a print quality.
Color Options	Document Color	Choose a color setting. Choose Color or Black Only .
Advanced Options	Mirror	Print the document as a mirror image.
	Automatic Image Sharpening	Reduce image blurring.
Printer Services	Lexmark 4800 Series Utility	Go to the Utility.
	Troubleshooting	Open the Help Center.
	Order Supplies	Visit our Web site to order printer supplies.
	Contact Lexmark	Visit our Web site.
	Software Version	View the software version on installed files.
Preview Note: This option is available only if the file opened is a photo.	Rotate	Choose the orientation of the photo.
	Quartz Filter	Choose any of these options: <ul style="list-style-type: none"> • Black and White • Blue Tone • Gray Tone • Lightness Decrease • Lightness Increase • Reduce File Size • Sepia Tone
Summary		View a summary of the current print settings.

These buttons are at the bottom of the Print dialog:

Click	To
	Go to the Help Center to find more information.
Preview	Get a full view of a photo, and see additional options for viewing or reviewing it prior to printing.
Save as PDF (in Mac OS X version 10.3)	Print a document to a file, and create a PDF.
PDF (in Mac OS X version 10.4 or later)	Choose various PDF options for a file.
Fax (in Mac OS X version 10.3)	Fax a document.
Cancel	Exit the Print dialog without making any changes to the settings.
Print	Print a document.

Related topics:

- “Using the Page Setup dialog” on page 84

Using Printer Services

Printer Services provides helpful Web links and information. From here you can:

- Access the Utility.
- Access Troubleshooting.
- Order supplies.
- Contact Customer Support.
- Obtain software version information.

To access Printer Services:

- 1 With a document open, click **File → Print**.
- 2 From the third pop-up menu from the top, choose **Printer Services**.



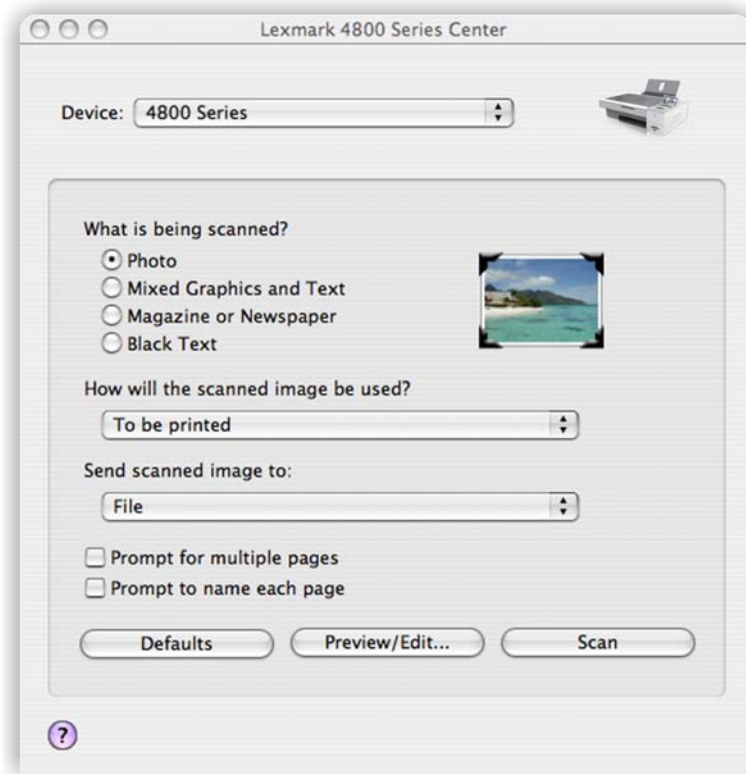
Related topics:

- “Using the Print dialog” on page 85
- “Using the Utility” on page 93

Using the All-In-One Center

The All-In-One Center provides the basic functions for most scan jobs. You can customize the settings on the All-In-One Center dialog according to the type of project you want to create. The dialog is set to these default settings:

What is being scanned?	Photo
How will the scanned image be used?	To be printed
Send scanned image to:	File
Prompt for multiple pages	Not selected
Prompt to name each page	Not selected



From here	You can
What is being scanned?	Select the option closest to the type of image you are scanning. Settings are optimized based on your selection: <ul style="list-style-type: none">• Photo• Mixed Graphics and Text• Magazine or Newspaper• Black Text

From here	You can
How will the scanned image be used?	Choose the way the scan will be used. Resolution and other settings are optimized based on your selection: <ul style="list-style-type: none"> • To be printed • To be viewed on monitor/Web page • To be faxed • To be edited (OCR)
Send scanned image to	Choose where to send scanned images, such as to File, to the Clipboard, or to an application. To add, remove, or modify an application in the list, see “Editing the Customize list” on page 41. For more information, see “Choosing where to send scanned images” on page 40
Prompt for multiple pages	Scan multiple pages using the current scan settings. You are prompted to place the next item on the scanner glass after a page is scanned. If you still have more pages to scan, click Scan . When the multiple-page scan is complete, click Done . Do not select Prompt for multiple pages if you are scanning only a single item.
Prompt to name each page	Enter a filename for every page or item scanned.
Defaults	Revert to factory default settings.
Preview/Edit	Open the Scan dialog to view the image, and adjust the scan settings.
Scan	Start scanning.

Click  to go to the Help Center for more information.

Related topics:

- “Scanning” on page 40
- “Working with photos using the computer” on page 66

Using the Network Card Reader

When you have a memory device inserted into the printer, the Network Card Reader software lets you connect to a network printer, display thumbnails of the photos or images on the memory device, and transfer the images to the computer.

There are three ways to open the Network Card Reader:

- From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
Double-click the **Lexmark Network Card Reader** icon.
- Go to the Mac OS X drive where the printer software was installed.
Choose **Library** → **Printers** → **Lexmark** → **2007** → **Lexmark 4800 Series** folder.
Double-click the **Lexmark Network Card Reader** icon.
- Insert a memory card or flash drive into the printer.
 - 1 After the memory device is detected, press **√**.
 - 2 Press **▼** repeatedly until **Save Photos** is highlighted.
 - 3 Press **√**.
 - 4 Press **▲** or **▼** until **Computer** appears.

5 Press \checkmark .

If there is more than one computer connected to the network, you will be asked to select the computer that you want to use.

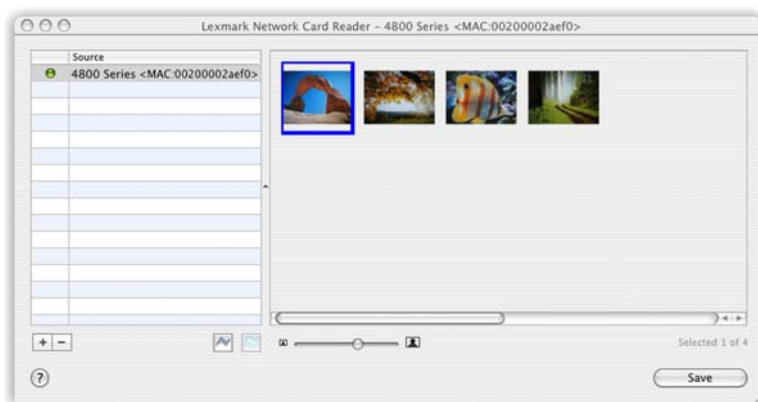
- a Press \blacktriangle or \blacktriangledown to select a computer.
- b Press \checkmark .

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

- 1 Enter the PIN using the \blacktriangleleft and \blacktriangleright to select a digit location and the \blacktriangle and \blacktriangledown to select a value for that digit.
- 2 Press \checkmark .

- c Press \diamond to begin saving photos to the computer.


The Network Card Reader dialog appears on the computer screen.






To adjust the settings of the Network Card Reader:

- 1 Choose **Lexmark Network Card Reader** → **Preferences**.
- 2 If necessary, click **General**.
- 3 Choose whether to show a notification dialog when a memory device is inserted into the printer.
- 4 Click **Settings**.
- 5 Assign a name to your computer.
- 6 Choose whether to specify a PIN to be able to access your computer.
Note: The PIN should be a combination of four digits from 1–9.
- 7 Click **Apply**.

These buttons are at the bottom of the Network Card Reader dialog:

Click	To
+	Add a network printer to the list.
-	Remove a network printer from the list.
	Connect to a network printer on the list.

Click	To
	Disconnect from a network printer on the list.
	Adjust the size of the thumbnail(s) on the Network Card Reader dialog.
	Go to the Help Center to find more information.
Save	Save the selected images on your computer.

Related topics:

- “Transferring photos from a memory device to the computer using the control panel” on page 65
- “Transferring photos from a memory device to the computer over a wireless network” on page 73

Using the Utility

The Utility is the central source for printer maintenance and helpful Web links. From here you can:

- Install the print cartridges.
- Print a test page.
- Print an alignment page.
- Clean the print cartridge nozzles.
- Order ink or supplies.
- Register your printer.
- Contact Customer Support.
- Check for special offers.

There are two ways to open the Utility:

- From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
Double-click the **Lexmark 4800 Series Utility** icon.
- From an application:

For Mac OS X version 10.3 or later:

- 1 With a document open, click **File → Print**.
- 2 From the third pop-up menu from the top, choose **Printer Services**.
- 3 Click **Lexmark 4800 Series Utility**.

For Mac OS X version 10.4 or later:

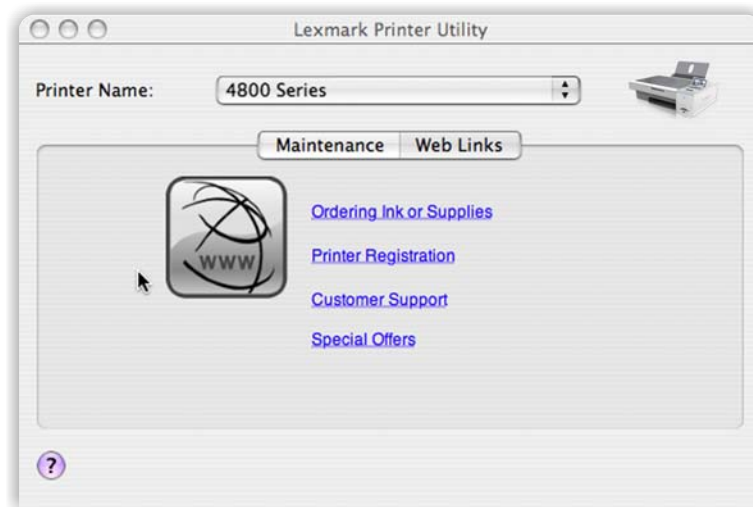
- 1 With a document open, click **File → Print**.
- 2 Click **Advanced**.
- 3 From the third pop-up menu from the top, choose **Printer Services**.
- 4 Click **Lexmark 4800 Series Utility**.

The Utility has two tabs with different links under each tab:

- Maintenance Tab



- Web Links Tab



Related topics:

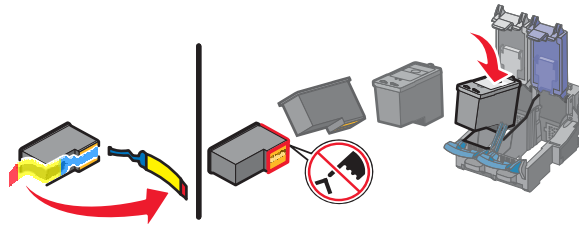
- "Using Printer Services" on page 89

Maintaining the printer

Print cartridges

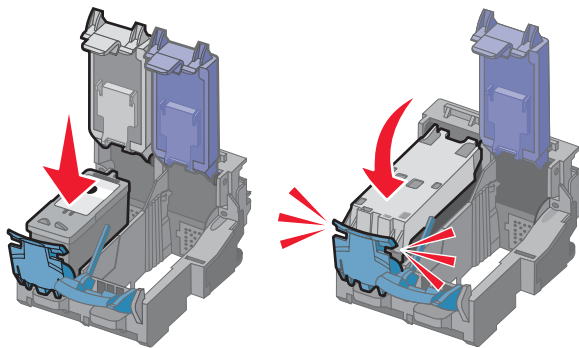
Installing print cartridges

- 1 Remove the used print cartridge or cartridges. For more information, see “Removing a used print cartridge” on page 96.
- 2 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.

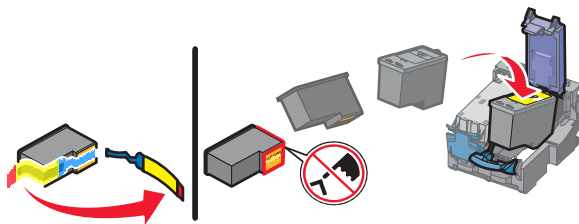


Warning: Do *not* touch the gold contact area on the back or the metal nozzles on the bottom of the cartridge.

- 3 Close the black cartridge carrier lid.

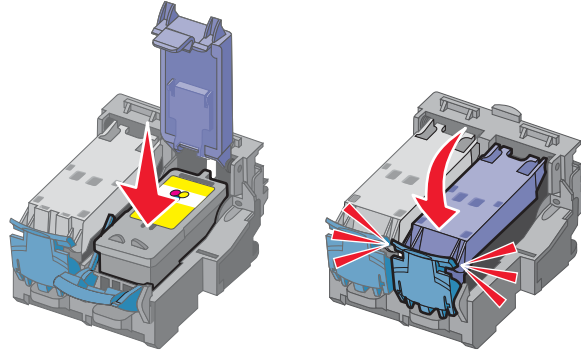


- 4 Remove the tape from the back and bottom of the color cartridge, and insert the cartridge in the right carrier.

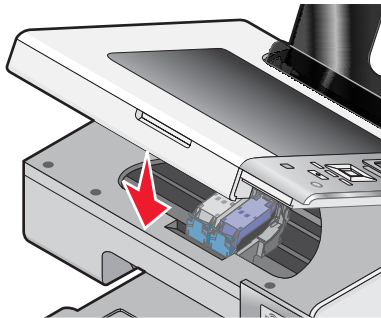


Warning: Do *not* touch the gold contact area on the back or the metal nozzles on the bottom of the cartridge.

5 Close the color cartridge carrier lid.



6 Close the scanner unit, 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 scanner unit must be closed to start a new scan, print, or copy job.

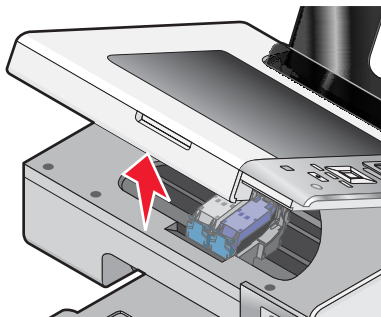
Related topics:

- “Aligning print cartridges” on page 97

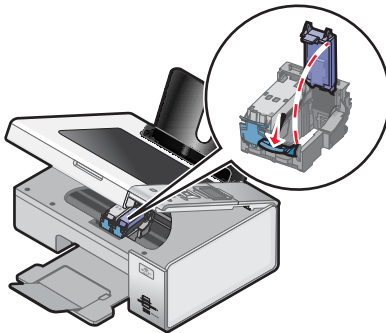
Removing a used print cartridge

- 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.

Related topics:

- “Installing print cartridges” on page 95

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.

Related topics:

- “Ordering paper and other supplies” on page 101

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.

Related topics:

- “Ordering paper and other supplies” on page 101

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.

Related topics:

- “Cleaning the print cartridge nozzles” on page 98
- “Wiping the print cartridge nozzles and contacts” on page 98
- “Preserving the print cartridges” on page 99
- “Improving print quality” on page 100

Cleaning the print cartridge nozzles

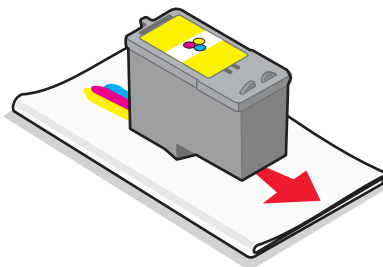
- 1 Load plain paper.
- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Lexmark 4800 Series Utility** icon.
- 4 From the Maintenance tab, click **Clean Print Nozzles**.
A page prints, forcing ink through the print cartridge nozzles to clean them.
- 5 To verify that the print quality has improved, print the document again.
- 6 If print quality has not improved, try cleaning the nozzles up to two more times.

Related topics:

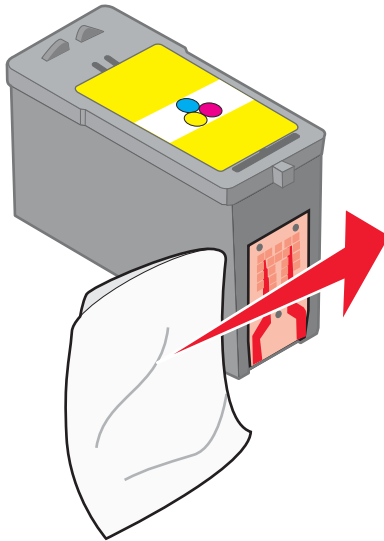
- “Wiping the print cartridge nozzles and contacts” on page 98
- “Improving print quality” on page 100

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.



- 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.



- With another clean section of the cloth, repeat step 3 and step 4.
- Let the nozzles and contacts dry completely.
- Reinsert the print cartridges.
- Print the document again.
- If the print quality does not improve, clean the print nozzles. For more information, see “Cleaning the print cartridge nozzles” on page 98.
- Repeat step 9 up to two more times.
- If print quality is still not satisfactory, replace the print cartridges.

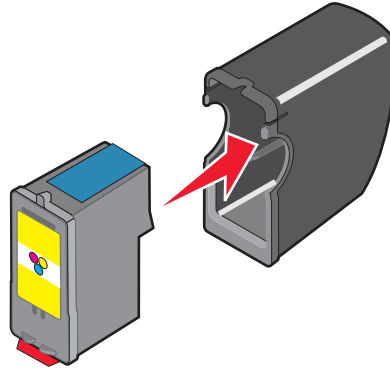
Related topics:

- “Cleaning the print cartridge nozzles” on page 98
- “Preserving the print cartridges” on page 99
- “Improving print quality” on page 100

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.



Related topics:

- “Cleaning the print cartridge nozzles” on page 98
- “Wiping the print cartridge nozzles and contacts” on page 98
- “Improving print quality” on page 100

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.

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 step 2.
- 2** Clean the print cartridge nozzles. For more information, see “Cleaning the print cartridge nozzles” on page 98.
If print quality has not improved, continue to step 3.
- 3** Remove and reinsert the print cartridges. For more information, see “Removing a used print cartridge” on page 96 and “Installing print cartridges” on page 95.
If print quality has not improved, continue to step 4.
- 4** Wipe the print nozzles and contacts. For more information, see “Wiping the print cartridge nozzles and contacts” on page 98.
If print quality is still not satisfactory, replace the print cartridges. For more information, see “Ordering print cartridges” on page 101.

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	540
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

Note: Availability may vary by country or region.

Paper	Paper size
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.

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.

Related topics:

- “Improving print quality” on page 100

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.

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 the printer 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.	<p>You can find this document in the printer box or on the Lexmark Web site at www.lexmark.com.</p>

Utility and Printer Services

Description	Where to find
<p>The Utility and Printer Services provide information on general maintenance and other related tasks.</p>	<p>You can access these in the Print dialog from any software application. For more information, see "Using the Utility" on page 93.</p>

Help

Description	Where to find
<p>If your printer connects to a computer, the Help gives you instructions for using the printer and other information such as:</p> <ul style="list-style-type: none">• Using the software• 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>When you install the printer software, your printer's Help will be installed.</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.

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

Related topics:

- “Using the Utility” on page 93
- “Recycling Lexmark products” on page 150
- “Contacting Customer Support” on page 105

Contacting Customer Support

How do I contact Lexmark Customer Support?

Call us at:

- 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
English Monday–Friday (8:00 AM–11:00 PM ET)
Saturday (Noon–6:00 PM ET)
French Monday–Friday (9:00 AM–7:00 PM ET)
- Mexico: 01-800-253-9627
Monday–Friday (8:00 AM–8:00 PM ET)

Note: Phone numbers and support times may change without notice.

Is contact information available online?

Yes. You can access the Lexmark home page on the World Wide Web at www.lexmark.com.

Troubleshooting

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 ▼ repeatedly until **Setup** is highlighted.
- 2 Press ✓.
- 3 Press ▼ repeatedly until **Change Printer Default Settings** is highlighted.
- 4 Press ✓.
- 5 Press ▼ repeatedly until **Language** is highlighted.
- 6 Press ◀ or ▶ repeatedly until the language you want appears on the display.
- 7 Press  to save.
- 8 Press ✓ to select **Yes** when the display asks **Are you sure?**

Power button is not lit

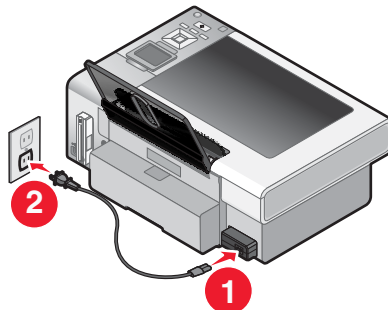
These are possible solutions. Try one or more of the following:



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 with Service Pack 3 or later
- Mac OS X

Check your system requirements

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



Check your USB connection

Follow these steps if you are not using the printer on a wireless network:

- 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.

Reconnect the 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.

Uninstall and reinstall software


Uninstall the printer software, and then reinstall it. For more information, see “Removing and reinstalling the software” on page 148.

Printer does not appear in the Printer Selection dialog



The Printer Selection dialog appears in the Lexmark Setup Assistant during installation. If the printer does not appear in the Printer Selection dialog, try one or more of these possible solutions.

Is the printer connected to a wireless network?

- Make sure that the network printer is on the same network as your computer.
- Make sure that the antenna of the internal wireless print server is raised.

- If you are connecting to a secure wireless network, make sure that you have entered the correct SSID number, BSS type, and WEP or WPA information.
- Click  to refresh the list.

Is the printer connected to the computer using a USB cable?

- Make sure that one end of the USB cable is firmly connected to the printer, and the other end is firmly connected to the computer.
- Make sure that the USB cable that you are using is not damaged.
- Make sure that the printer is turned on. Connect the printer to a working electrical outlet, and then press  to turn on the computer.
- Click .

Are you connecting a printer to a remote subnet?

For more information, see “Selecting a network printer” on page 12.

Is there more than one network printer displayed?

All Lexmark printers connected on your network should be displayed in the Printer Selection dialog. If there is more than one printer of the same model in your network, you must know the MAC address of the network printer that you want to connect to, and select the printer displaying that MAC address. For more information, see “Finding the MAC address” on page 8.

Page does not print

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

Check power

If the  light is not on, see “Power button is not lit” on page 106.

Load paper correctly

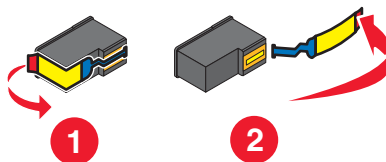
Remove the paper from the paper support, and then load the paper again.

Check the ink levels

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

Remove tape on cartridges

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



- 3 Reinstall the cartridges.

Make sure the printer is set as the default printer and is not on hold or paused



To set printer as default

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**, depending on the operating system version you are using.
- 2 From the Printer List dialog, select your printer.
- 3 Click the **Make Default** icon.

To resume print jobs

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**, depending on the operating system version you are using.
- 2 From the list of printers, double-click your printer.
The printer pop-up menu appears.
- 3 If you want to resume all print jobs in the queue, click **Start Jobs**.
If you want to resume a particular print job, select the document name, and then click **Resume**.

Reconnect the power supply

- 1 Press  to turn off the printer.
- 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 back on.

Reinstall the software

- 1 Uninstall the printer software, and then reinstall it. For more information, see “Removing and reinstalling the software” on page 148.
- 2 If the software still does not install correctly, visit our Web site at www.lexmark.com to check for the latest software.
 - a In all countries or regions except the United States, select your country or region.
 - b Click the links for drivers or downloads.
 - c Select your printer family.
 - d Select your printer model.
 - e Select your operating system.
 - f Select the file you want to download, and then follow the directions on the computer screen.

Test page does not print



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

Check messages

If an error message is displayed, see “Error messages” on page 143.

Make sure the printer is receiving power

If the  light is not on, the printer may not be receiving power.

- If necessary, press  to turn off the printer.
- 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.
- Press  again to turn the printer back on.

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.

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.

For more information, see the related topic below.

Make sure the Lexmark printer driver is set as the default printer and is not on hold or paused

To set the printer as default

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**.
- 2 From the printer list dialog, select your printer.
- 3 Click the **Make Default** icon.

To resume print jobs

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**.
- 2 From the list of printers, double-click your printer.
- 3 From the Printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in the queue; if you want to resume a particular print job, select the document name, and then click **Resume**.

Check your 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.

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 page 143.

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. For more information, see the related topic below.

Checking the print cartridges

Are the print cartridges properly installed?

For more information, see “Installing print cartridges” on page 95.

Are the sticker and tape removed from the cartridges?

Lift the access cover. Press down on the cartridge carrier levers to raise the cartridge carrier lids.

Are the cartridges low on ink?

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Utility** icon.

- 3 From the Maintenance tab, check the ink levels of the cartridges.



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 95.

For cartridge ordering information, see “Ordering print cartridges” on page 101.

Wireless troubleshooting

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.

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.

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 printer  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.

Check that the printer driver is installed

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

- 1 Check if the printer folder is on the desktop.

If the printer folder is on the desktop, then your printer driver is installed.

- 2 If the printer driver is not installed, insert the printer software CD into your computer.
- 3 Follow the instructions on the 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.
- 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.

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 light is not lit

Check power

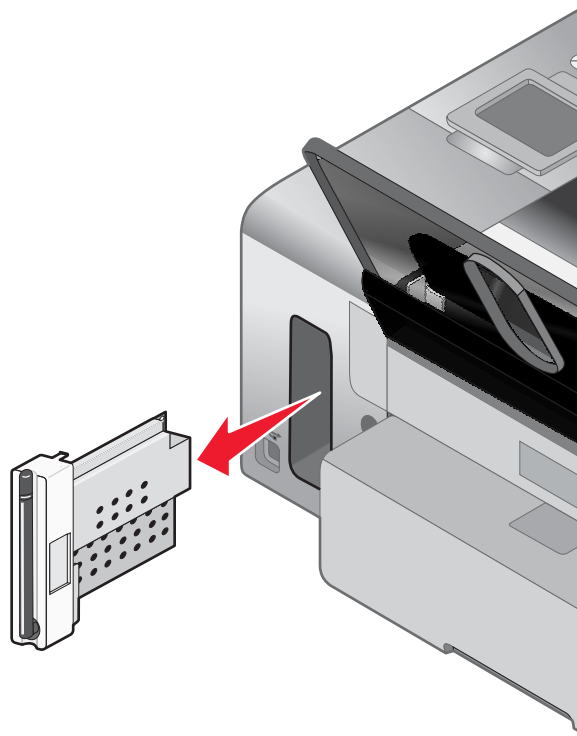
If the  light is not on, see “Power button is not lit” on page 106.

Remove and reinstall the internal print server

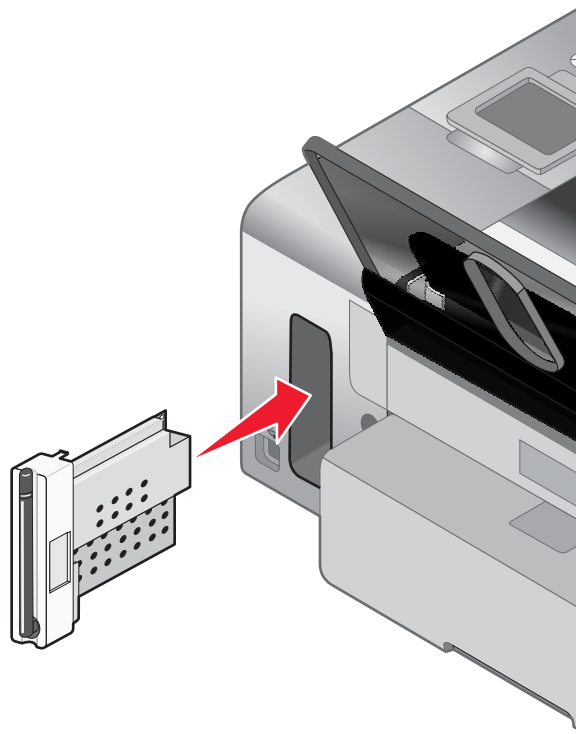
- 1 Turn off your printer, and then unplug the power cord from the wall outlet.

Warning: Failure to unplug the printer can cause damage to your printer and to the internal wireless print server. Make sure the printer is turned off and the power cord is unplugged from the wall outlet before you proceed.

- 2 While holding the printer firmly with one hand, hold the internal print server with your other hand and then pull it away from the printer.



3 Reinstall the internal print server.



Warning: Wireless print servers are easily damaged by static electricity. Touch something metal such as the printer frame before you touch the wireless print server.

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 check the status of AirPort and obtain the SSID before rerunning the Wireless Setup Assistant.
 - a** From the Finder desktop, click **Applications**.
 - b** From Applications, double-click **Internet Connect**.
 - c** From the toolbar, click **AirPort**.
The SSID of the network the computer is connected to is displayed in the Network pop-up menu.
 - d** Write down the SSID.
- 2** Reconfigure the printer's settings.
- 3** Insert the CD for Macintosh.
- 4** From the Finder desktop, double-click the **Lexmark 4800 Series Installer** icon.
- 5** Double-click **Install**.
- 6** Click **Continue**.
- 7** Follow the instructions on the computer screen.

Note: Store the SSID in a safe place for future reference.

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.

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)

- If you do not know the SSID of the network, use the following steps to check the status of AirPort and obtain the SSID.
 - 1 From the Finder desktop, click **Applications**.
 - 2 From Applications, double-click **Internet Connect**.
 - 3 From the toolbar, click **Airport**.

The SSID of the network the computer is connected to is displayed in the Network pop-up menu.
 - 4 Write down the SSID.
- 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 Assistant.

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 Assistant 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 **Apple menu → System Preferences**.
- b Click **Network**.
- c From the Show pop-up menu, select **Airport**.
- d Click **TCP/IP**.

The “Router” entry is typically the wireless access point (wireless router).

- 2 Enter your user name and password when prompted.
- 3 Click **OK**.
- 4 On the main page, click **Wireless** or another 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.

Notes:

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

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 112.

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 9.

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 8.

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.

Check security keys

Make sure security keys are correct.

Check MAC address

If your network uses MAC address filtering, provide the MAC address for the printer to your network.

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

- 1 Check the status of AirPort and, if you do not already know it, find the IP address of the wireless access point (wireless router).
 - a Click **Apple menu** → **System Preferences**.
 - b Click **Network**.

- c** If necessary, select **Network Status** in the Show pop-up menu.
The AirPort status indicator should be green. Green means the port is active (turned on) and connected.

Notes:

- Yellow means the port is active but is not connected.
- Red means the port has not been configured.

- d** From the Show pop-up menu, select **AirPort**.

- e** Click **TCP/IP**.

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

- 2** Ping the wireless access point (wireless router).

- a** From the Finder desktop, click **Applications**.

- b** From Applications, double-click **Utilities**.

- c** Double-click **Network Utility**, and then click **Ping**.

- d** Type the IP address of the wireless access point (wireless router) in the network address field. For example:
10.168.0.100

- e** Click **Ping**.

- 3** If the wireless access point (wireless router) responds, you will see several lines that display the number of bytes received from the wireless access point (wireless router). This ensures that your computer is connected to the wireless access point (wireless router).

- 4** If the wireless access point (wireless router) does not respond, nothing is displayed. You can use Network Diagnostics to help resolve the problem.

Run the Wireless Setup Assistant 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** From the Finder desktop, double-click the **Lexmark 4800 Series** folder.

- 2** Double-click **Wireless Setup Assistant**.

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


Wireless Setup Assistant cannot communicate with the printer during installation

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

Check power

Make sure the  light is on.

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 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 5 Double-click **Wireless Setup Assistant**.
- 6 Follow the instructions on the computer screen.

Changing wireless settings after installation

Use the Wireless Setup Assistant to change your password, network name (SSID), or other wireless setting.

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click **Wireless Setup Assistant**.
- 3 Follow the instructions on the computer screen.

Checking your 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.

- To reset the computer SSID, see the documentation that came with your computer.
- To reset the printer SSID:
 - 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
 - 2 Double-click **Wireless Setup Assistant**.
 - 3 Follow the instructions on the computer screen.

Ping the access point

- 1 Check the status of AirPort and, if you do not already know it, find the IP address of the wireless access point (wireless router).
 - a Click **Apple menu** → **System Preferences**.
 - b Click **Network**.
 - c If necessary, select **Network Status** in the Show pop-up menu.
The AirPort status indicator should be green. Green means the port is active (turned on) and connected.

Notes:

- Yellow means the port is active but is not connected.
 - Red means the port has not been configured.
- d From the Show pop-up menu, select **AirPort**.

- e Click **TCP/IP**.
 - The IP address appears as four sets of numbers separated by periods, such as 192.168.0.100.
 - The "Router" entry is typically the wireless access point (wireless router).
- 2 Ping the wireless access point (wireless router).
 - a From the Finder desktop, click **Applications**.
 - b From Applications, double-click **Utilities**.
 - c Double-click **Network Utility**, and then click **Ping**.
 - d Type the IP address of the wireless access point (wireless router) in the network address field. For example:
10.168.0.100
 - e Click **Ping**.
- 3 If the wireless access point (wireless router) responds, you will see several lines that display the number of bytes received from the wireless access point (wireless router). This ensures that your computer is connected to the wireless access point (wireless router).
- 4 If the wireless access point (wireless router) does not respond, nothing is displayed. You can use Network Diagnostics to help resolve the problem.

Ping the printer

- 1 From the Finder desktop, click **Applications**.
- 2 From Applications, click **Utilities**.
- 3 Double-click **Network Utility**, and then click **Ping**.
- 4 Type the IP address of the printer in the network address field. For example:
10.168.0.101
- 5 Click **Ping**.
- 6 If the printer responds, you will see several lines that display the number of bytes received from the printer. This ensures that your computer is communicating with your printer.
- 7 If the printer does not respond, nothing is displayed.
 - Your computer might not be connected to the network. You can use Network Diagnostics to help resolve the problem.
 - You may need to change the wireless settings of your printer.

Run the Wireless Setup Assistant

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click **Wireless Setup Assistant**.
- 3 Follow the instructions on the computer screen.

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.

Print troubleshooting

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.

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 step 2.

2 Clean the print cartridge nozzles. For more information, see “Cleaning the print cartridge nozzles” on page 98.

If print quality has not improved, continue to step 3.

3 Remove and reinsert the print cartridges. For more information, see “Removing a used print cartridge” on page 96 and “Installing print cartridges” on page 95.

If print quality has not improved, continue to step 4.

4 Wipe the print nozzles and contacts. For more information, see “Wiping the print cartridge nozzles and contacts” on page 98.

If print quality is still not satisfactory, replace the print cartridges. For more information, see “Ordering print cartridges” on page 101.

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.

Review steps to improve print quality

See “Improving print quality” on page 100.

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 PerfectFinish Photo Paper or Lexmark Photo Paper. Do *not* use Lexmark Premium Photo Paper. Your print cartridges are not compatible with this type of paper.

Check paper condition

Use only new, unwrinkled paper.

Removing and reinstalling the software

Software may not be installed correctly. For more information, see “Removing and reinstalling the software” on page 148.

Poor quality at the edges of the page

These are possible causes and 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 With a document open, choose **File → Page Setup**.
- 2 From the “Format for” pop-up menu, choose **4800 Series**.
- 3 From the Paper Size pop-up menu, choose the paper size loaded.

Note: Make sure you choose an option that has (Borderless) in it. For example, if you loaded letter-size photo paper, choose **US Letter (Borderless)**.

- 4 Choose an orientation.
- 5 Click **OK**.

Make sure paper size matches the printer setting

- 1 From the software application, click **File → Page Setup**.
- 2 From the “Format for” pop-up menu, choose **4800 Series**.
- 3 From the Paper Size pop-up menu, check the paper size.

Clean print cartridge nozzles

For more information, see “Cleaning the print cartridge nozzles” on page 98.

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.
- Try minimizing the number and size of graphics and images in the document.
- Remove as many unused fonts as possible from your system.

Add memory to your computer

Consider purchasing more RAM.

Select a lower print quality

- 1 From the software application, click **File → Print**.
- 2 From the third pop-up menu from the top, choose **Quality & Media**.
- 3 From the Print Quality menu, select **Normal**.

Remove and reinstall the software

It is sometimes helpful to remove the existing printer software and reinstall it. For more information, see “Removing and reinstalling the software” on page 148.

Partial document or photo prints

These are possible causes and 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.



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.

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

Make sure paper size is set correctly

The printer issues the **Paper or Photo Size Error** when your chosen photo size does not match the paper size that is set. This typically happens when you are trying to print from a PictBridge-enabled digital camera. You may have left the printer control panel Photo Size menu item setting at **8.5 x 11"** or **5 x 7"** size, but your camera setting has print size of **4 x 6"** or **L**. You need to make sure your chosen photo size is **4 x 6"** 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.
- 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 to 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 the **PictBridge Printing** screen to appear on the printer control panel
 - 4 Press .
 - The **PictBridge Default Print Settings** menu appears.
 - 5 Press ◀ or ▶ until **4 x 6"** or **10 x 15 cm** appears for Photo Size.
 - 6 Press ▲ or ▼ repeatedly until you reach **Paper Handling**.
 - 7 Press ✓.
 - 8 Press ◀ or ▶ until **4 x 6"** or **10 x 15 cm** appears.
 - 9 Press  to save and exit.

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 20.

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 is 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 Best 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.

Vertical straight lines are not smooth

Adjust the Quality/Speed settings

- 1 With a document open, click **File → Print**.
- 2 From the Printer pop-up menu, choose **4800 Series**.
- 3 From the third pop-up menu from the top, choose **Quality & Media**.
- 4 From the Print Quality menu, select the appropriate print quality for the document:
 - **Automatic**—Default selection.
 - **Quick Print**—Best for text-only documents with reduced print quality but faster print speed.
 - **Normal**—Recommended for most types of documents.
 - **Best**—Recommended for photos and documents with graphics.
- 5 Click **Print**.

Align the print cartridges

- 1 Load plain paper.
- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Lexmark 4800 Series Utility** icon.
- 4 From the Maintenance tab, click **Print Alignment Page**.
- 5 Follow the instructions on the computer screen.

White lines appear in graphics or solid black areas

Adjust the Quality/Speed settings

- For excellent print quality and reduced print speed, select **Best**.
- For good print quality and average print speed, select **Normal**.
- For reduced print quality and faster print speed, select **Quick Print**.
- For the default print quality, select **Automatic**. The paper type sensor determines the print quality based on the type of paper it detects loaded in the paper support.

Adjust the application settings for the document

Use a different fill pattern in the application you are using to print the graphics. For more information, see the documentation that came with the application.

Perform maintenance on the print cartridges

You may need to clean the print cartridge nozzles.

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.

Adjust the color and print speed

You may need to adjust the color and print speed.

Check the level of ink in the print cartridges

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Utility** icon.
- 3 From the Maintenance tab, check the ink levels of the cartridges.



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

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.

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 page 143.

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.

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 137.

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 137.

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 access cover.
- 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 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Utility** icon.



- 3 From the Maintenance tab, check the ink levels of the cartridges.



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 95.

For cartridge ordering information, see “Ordering print cartridges” on page 101.

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 printer ports

Make sure the correct printer port is selected.

- 1 From the Finder desktop, click **Applications**.
- 2 From Applications, double-click **Utilities**.
- 3 Double-click **Printer Setup Utility**.
The Printer List dialog appears.
- 4 Verify that **XXXX Series <MAC:nnnnnnnnnn>** is the default printer, where XXXX is the model series number of your printer and nnnnnnnnnn is the 12-digit MAC address of your printer.
- 5 If USB is selected instead:
 - a Select **XXXX Series**, where XXXX is the model series number of your printer.
 - b Click **Make Default**.
 - c Close the window, and try printing again.

Copy troubleshooting

Copier does not respond

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

Check messages

If an error message is displayed, see “Error messages” on page 143.

Check power

If the  light is not on, see “Power button is not lit” on page 106.

Removing and reinstalling software

For more information, see “Removing and reinstalling the software” on page 148.

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 page 143.





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.

Adjust the brightness of the copy

- 1 Load the document facedown on the scanner glass.
- 2 From the control panel, press  or  repeatedly until **Copy** is highlighted.
- 3 Press .
- 4 Press  repeatedly until **Lighter/Darker** is highlighted.

5 Press ◀ or ▶ repeatedly to adjust the brightness of the copy.

6 Press .

Are you scanning from a magazine or newspaper?

If you are copying or scanning from a magazine or newspaper, see “Scanning clear images from magazines or newspapers” on page 51.

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 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.

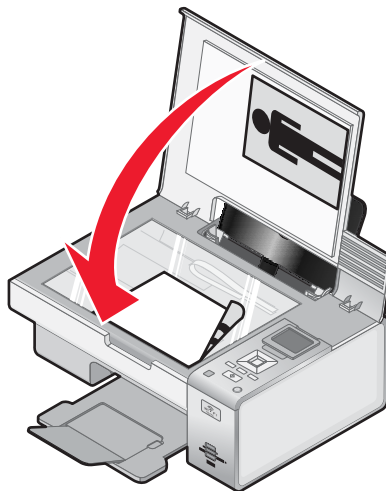
Check Original Size setting

Make sure that the Original Size setting is **Automatic** or the size of the original document that you are copying.

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.



Scan troubleshooting

Scanner does not respond

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

Check messages

If an error message is displayed, see “Error messages” on page 143.

Check power

If the  light is not on, see “Power button is not lit” on page 106.

Make sure the printer is set as the default printer and is not on hold or paused

To set printer as default:

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**.
- 2 From the Printer List dialog, select your printer.
- 3 Click the **Make Default** icon.

To resume print jobs:

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**.
- 2 From the list of printers, double-click the name of your printer.
- 3 From the Printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in the queue; if you want to resume a particular print job, select the document name, and then click **Resume**.

Uninstall and reinstall software

For more information, see “Removing and reinstalling the software” on page 148.

Scan was not successful

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

Check USB cable connection

If the printer is connected to the computer through a 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.

Make sure the printer is communicating with the correct computer

If the printer is connected to a network with multiple computers, you must select, using the control panel of the printer, the computer from which you are sending the scan.

Make sure the printer is set as the default printer and is not on hold or paused

To set the printer as default:

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**.
- 2 From the Printer List dialog, select your printer.
- 3 Click the **Make Default** icon.

To resume print jobs:

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**.
- 2 From the list of printers, double-click the name of your printer.
- 3 From the Printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in queue; if you want to resume a particular print job, select the document name, and then click **Resume**.

Restart computer

Turn off and then restart your computer.

Uninstall and reinstall software

For more information, see “Removing and reinstalling the software” on page 148.

Scanning takes too long or freezes the computer

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

Close all applications

Close all programs not being used to speed up the performance of your computer.

Change the resolution to a lower value

- 1 From the Image Capture dialog, click **Scan Setup**.
- 2 From the Resolution pop-up menu, select a lower resolution.
- 3 Click **Scan**.

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 page 143.

Clean the scanner glass

If the scanner glass is dirty, gently wipe it with a clean, lint-free cloth dampened with water.

Change the resolution to a higher value

- 1 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2 Double-click the **Lexmark 4800 Series Center** icon.
- 3 Click **Preview/Edit** to open the Scan dialog.

- 4 Click  to open the Scan Settings drawer.
- 5 From the Resolution (DPI) pop-up menu on the Settings tab, choose a higher scanning resolution value.
- 6 Click .

Are you scanning from a magazine or newspaper?

If you are copying or scanning from a magazine or newspaper, see “Scanning clear images from magazines or newspapers” on page 51.

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.

Scanner unit does not close

- 1 Lift the scanner unit.
- 2 Remove any obstruction keeping the scanner unit open.
- 3 Lower the scanner unit.

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 an application

Select a different application

- 1 From the error dialog, click **Cancel**.
- 2 From the All-In-One Center, choose a different application from the “Send scanned image to” menu.
- 3 Scan the document.

Cannot scan to a computer over a network

See “Scanning to a computer over a network using the control panel” on page 54.

Jams and misfeeds troubleshooting

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

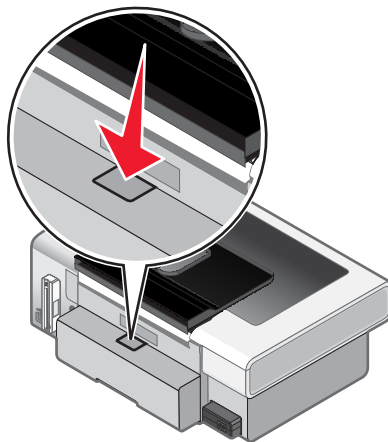
- 1 Press ⏻ to turn off the printer.
- 2 Firmly grasp the paper, and gently pull it out.
- 3 Press ⏻ to turn the printer back on.

Paper jam in the paper support

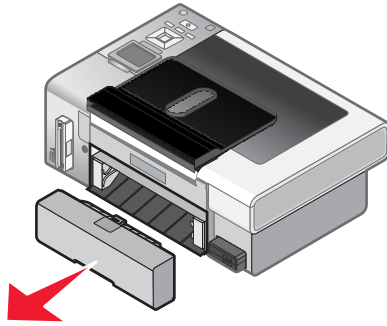
- 1 Press ⏻ to turn off the printer.
- 2 Firmly grasp the paper, and gently pull it out.
- 3 Press ⏻ to turn the printer back on.

Paper jam in the duplex unit

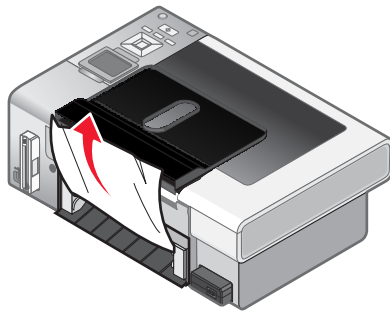
- 1 Push down on the duplex latch as you grasp the duplex unit.



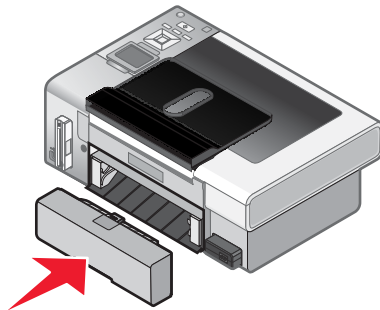
2 Pull out the duplex unit.



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.

Paper or specialty media misfeeds

These are the possible solutions. 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 the “Getting Started” section in the “Printing” chapter 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 215.9 mm (8.5 inches) wide
- To rest against the edge 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 137.

Check media loading

- Verify that the specialty media is loaded correctly.
- Try loading one page, envelope, or sheet of specialty media at a time.

For more information, see the “Getting Started” section in the “Printing” chapter.

Make sure the printer is set as the default printer and is not on hold or paused

To set printer as default:

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**, depending on the operating system version you are using.
- 2 From the Printer List dialog, select your printer.
- 3 Click the **Make Default** icon.


To resume print jobs:

- 1 From the Finder desktop, choose **Applications → Utilities → Print Center** or **Printer Setup Utility**, depending on the operating system version you are using.
- 2 From the list of printers, double-click your printer.
The printer pop-up menu appears.
- 3 If you want to resume all print jobs in the queue, click **Start Jobs**.
If you want to resume a particular print job, select the document name, and then click **Resume**.

Banner paper jams

These are possible causes and 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.

Adjust the paper type settings

To keep a banner print job from jamming:

- 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 your document open, choose **File → Page Setup**.
 - 2 From the Settings pop-up menu, choose **Page Attributes**.
 - 3 From the “Format for” pop-up menu, choose the printer.
 - 4 From the Paper Size pop-up menu, choose **A4 Banner** or **US Letter Banner**.
 - 5 Select an orientation.
 - 6 Click **OK**.

Memory card reader and PictBridge troubleshooting

Memory card cannot be inserted

There 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. For more information, see “Inserting a memory card” on page 56.

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 56.

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 56.

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 56.

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.

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 page 143.

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.

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

- 1** From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 2** Double-click the **Network Card Reader** icon.
- 3** Select your wireless printer, and then click **Connect**.
- 4** Insert the memory card into the printer.
Your photos are downloaded and displayed as thumbnail images.
- 5** Select the thumbnail images you want to save, and then click **Save**.
- 6** Open your downloaded images using an application such as iPhoto or Preview.
- 7** From the application menu, click **Print**.

Check memory card placement

Make sure you inserted the memory card into the correct slot. For more information, see the related topic below.

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 the related topic below.

Check to see if the memory card is damaged

Make sure there is no obvious damage to the memory card. Remove memory cards properly from the printer to avoid corruption of data. For more information, see the related topic below.

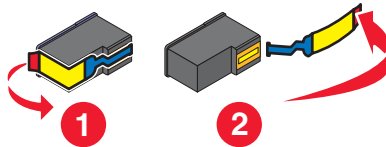
Error messages

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.

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 101.
- 2 Press ✓ to continue.

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.

Clear Carrier Jam

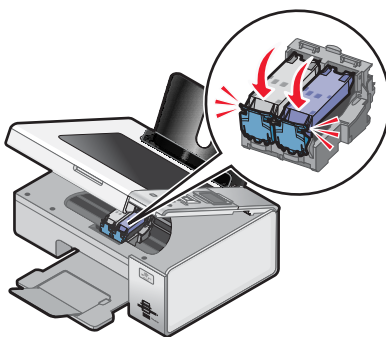
These are possible solutions. Try one or more of the following:

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.

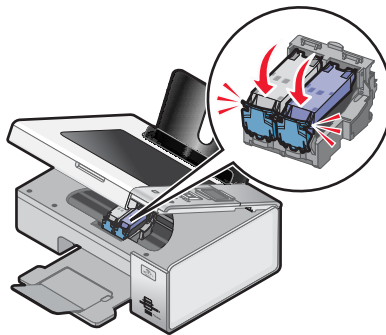



4 Close the scanner unit.

5 Press .

Remove print cartridges

- 1 Make sure the printer is on.
- 2 Raise the scanner unit.
- 3 Remove both print cartridges.
- 4 Make sure the cartridge carrier lids are closed.
- 5 Close the scanner unit.
- 6 Press  to turn the printer off.
- 7 Disconnect the power cord from the wall outlet.
- 8 Plug the power cord back into the wall outlet.
- 9 Press  to turn the printer on.
- 10 Reinstall the print cartridges. For more information, see “Installing print cartridges” on page 95




- 11 Close the scanner unit.
- 12 Plug the power cord into the wall outlet.
- 13 Press  to turn the printer on.
- 14 Reinstall the print cartridges. For more information, see “Installing print cartridges” on page 95.

Cover Open

Make sure that the scanner unit is closed.


Paper Out

- 1 Load paper.
- 2 Press .

Paper Jam

For more information, see “Jams and misfeeds troubleshooting” on page 137.

Printer Carrier Stall


- 1 Check the printer carrier for any obstructions.
- 2 Press .

For more information, see “Jams and misfeeds troubleshooting” on page 137.



Left Cartridge Missing / Right Cartridge Missing

One or both print cartridges are missing or not installed properly. For more information on installing cartridges, see the section on maintaining the printer.

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 .

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.

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.


Paper Size/Type error

The paper loaded in the printer is not supported for duplex printing.

Load plain letter- or A4-size paper.

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 .

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.

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.

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.

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.

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.

Invalid Device

The device attached to the printer is not supported.


Attach a supported device, or use other printer features.

There is a problem reading the memory card.

- See “Memory card cannot be inserted” on page 140.
- See “Nothing happens when memory card is inserted” on page 140.

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.

Related topics:

- “Using the control panel” on page 78

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 Close all open software applications.
- 2 From the Finder desktop, double-click the **Lexmark 4800 Series** folder.
- 3 Double-click the **Uninstaller** icon.
- 4 Follow the instructions on the computer screen to remove the printer software.
- 5 Restart the computer before reinstalling the printer software.
- 6 Insert the CD, and then follow the instructions on the computer screen to reinstall the software.

Related topics:

- “Installing print cartridges” on page 95

Notices

Recycling Lexmark products

To return Lexmark products to Lexmark for recycling:

- 1 Visit our Web site at www.lexmark.com/recycle.
- 2 Follow the instructions on the computer screen.

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*.

Product information

Product name:

Lexmark 4800 Series

Machine type:

4428

Model(s):

W22

W2E

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.

Japanese VCCI notice

製品にこのマークが表示されている場合、
次の要件を満たしています。



この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをしてください。

Korean MIC statement

제품에 이 기호가 있는 경우 다음 문구가 적용됩니다.



B급 기기 (가정용 정보통신기기)

이 기기는 가정용으로 전자파적합등록을 한 기기로서
주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

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.

A declaration of conformity with the requirements of the directives is available from the Director of Manufacturing and Technical Support, Lexmark International, S. A., Boigny, France.

The following restrictions apply:

Country/region	Restriction
All countries/regions	This product is for indoor use only. This product may not be used outdoors.
L'Italia	Si fa presente inoltre che l'uso degli apparati in esame è regolamentato da: <ul style="list-style-type: none"> • D.Lgs 1.8.2003, n.259, articoli 104 (attività soggette ad autorizzazione generale) e 105 (libero uso), per uso privato; • D.M. 28.5.03, per la fornitura al pubblico dell'accesso R-LAN alle reti e ai servizi di telecomunicazioni.

This product satisfies the limits of EN 55022; safety requirements of EN 60950; radio spectrum requirements of ETSI EN 300 328; and the EMC requirements of EN 55024, ETSI EN 301 489-1 and ETSI EN 301 489-17.

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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)

Information for Chinese RoHS program

Part name	Toxic and hazardous substances or elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr VI)	Polybrominated biphenyl (PBB)	Polybrominated diphenylether (PBDE)
Circuit boards	X	O	O	O	O	O
Power supply	X	O	O	O	O	O
Power cords	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
Mechanical assemblies—shafts, rollers	X	O	O	O	O	O
Mechanical assemblies—motors	X	O	O	O	O	O
Mechanical assemblies—other	X	O	O	O	O	O
Scanner assembly	O	O	O	O	O	O
LCD display	O	O	O	O	O	O

O: Indicates that the content of the toxic and hazardous substance in all the homogenous materials of the part is below the concentration limit requirement as described in SJ/T11363-2006.

X: Indicates that the content of the toxic and hazardous substance in at least one homogenous material of the part exceeds the concentration limit requirement as described in SJ/T11363-2006.

This product is compliant with the European Union Directive 2002/95/EC concerning the restriction of use of certain hazardous substances.

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.

Values are subject to change. See www.lexmark.com for current values.

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
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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.

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I agree that the patented print cartridge(s) shipped with this printing device are sold subject to the following license/agreement: The patented print cartridge(s) contained inside is/are licensed for a single use only and is/are designed to stop working after delivering a fixed amount of ink. A variable amount of ink will remain in the cartridge when replacement is required. After this single use, the license to use the print cartridge terminates, and the used cartridge must be returned only to Lexmark for remanufacturing, refilling or recycling. If I buy another cartridge in the future that is sold subject to the above terms, I accept such terms as to that cartridge. If you do not accept the terms of this single use license/agreement; return this product in its original packaging to your point of purchase. A replacement cartridge sold without these terms is available at www.lexmark.com.

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- 5 UPGRADES.** To Use a Software Program identified as an upgrade, you must first be licensed to the original Software Program identified by Lexmark as eligible for the upgrade. After upgrading, you may no longer use the original Software Program that formed the basis for your upgrade eligibility.

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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).

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- Accidents or misuse
- Unsuitable physical or operating environment
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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
alignment page	A page with printed alignment patterns that ejects from the printer during cartridge alignment.
application	Any software loaded on your computer that lets you perform a specific task, such as word processing or photo editing.
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.
automatic alignment	A feature that automatically aligns the print cartridges.
black and white	A non-color printout.
borderless	A feature that prints photos without borders around them.
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.
card reader	A mechanical device that reads the files on memory cards.
carrier	A mechanical device inside the printer that holds the print cartridges.
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.
collate	A printer software option that lets you automatically print one complete set of copies of a multiple-page document before the next set of copies begins, and so on.
configured printer	A printer connected to a network that has been assigned an IP address and printer name. You must configure a network-capable printer to access it over a network.
control panel	A group of buttons on the printer that lets you scan and copy without using the computer keyboard or mouse.
default printer settings	Printer software settings defined when the printer is manufactured.
descreen	A printer software option that lets you remove during scanning the unwanted image patterns introduced in processing media such as magazines or newspapers.
DHCP (Dynamic Host Configuration Protocol)	A language used by DHCP servers
DHCP server	A computer or router that gives a unique IP address to each device on the network. Unique addresses prevent conflicts.
dialog	A software screen used to convey information to users.
DPOF	Digital Print Order Format. A feature in some digital cameras that lets the user specify, while the memory card is in the camera, which photos to print and the number of copies of each photo to be printed.
duplex unit	A part of the printer that allows for it to print on both sides of the page.
flash drive	A memory storage device which can be purchased separately from the printer. The printer has a port to which flash drives can be connected.
gamma	A printer software option that lets you adjust the color correction curve of a scanned image. Gamma measures the contrast that affects the midtones of an image.
glossy paper	Paper with one or two glossy sides designed for photos.
gold contact area	The area on a print cartridge or a digital camera memory card through which data is transmitted.

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 (AutolP address).
ipconfig	A command that displays the IP address and other network information of a Windows computer
landscape orientation	Page orientation in which text runs parallel with the long edge of the paper.
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.
memory card	A small storage medium used to save digital data such as text, pictures, audio, and video; sometimes called a flash memory card.
memory card slots	Slots on the printer control panel into which memory cards can be inserted.
mirror	A printer software option that lets you reverse an image before printing.
network	A group of computers or other peripheral devices connected to each other for the purpose of sharing information.
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 165
network printer	A printer made available on a network, not connected directly to your computer.
nozzles	The area of the print cartridge through which ink flows through before it is applied to paper during printing.
photo paper	Treated paper designed for printing photos.
PictBridge port	A port on the printer used with a USB cable to connect a Pictbridge-enabled camera to the printer.
ping	A test to see if your computer can communicate with another device
portrait orientation	Page orientation in which text runs parallel with the short edge of the paper.
printer nickname	The name you assign to your printer so that you and others can identify it on the network
printer software	(1)The program that lets you select settings to customize a print job. (2)The program that lets your computer communicate with the printer.
resize	A software or printer option that reduces or enlarges the the final image size of a scanned item while maintaining image proportions.
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
sharpen	A software option that reduces the blurrines of an image.
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

subnet	A segment of a network that is connected to a larger network. A local area network is also referred to as a local subnet.
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.