LEXMARK™

3500-4500 Series All-In-One

Getting Started
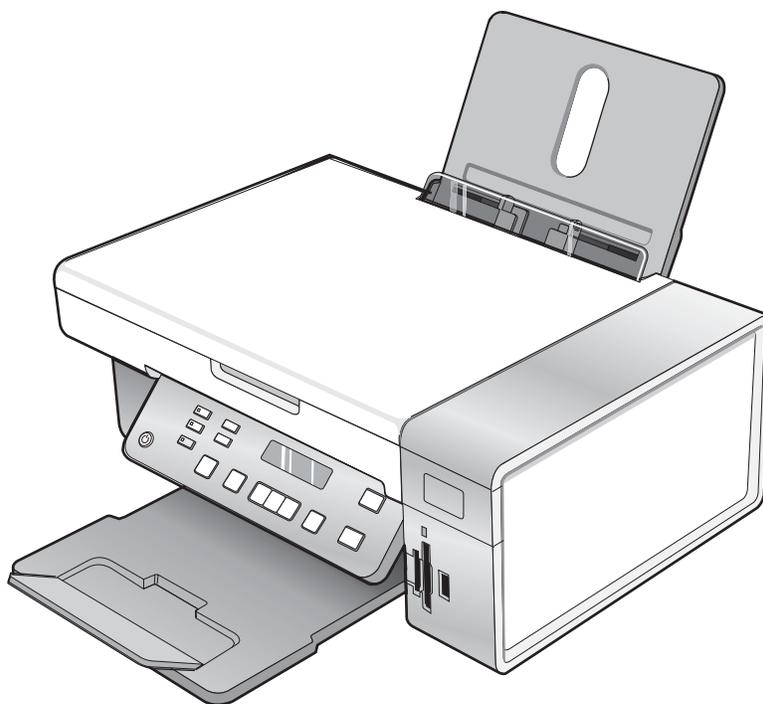
Safety information

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.

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

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

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

Contents

Finding information about the printer

Quick Setup sheet

Description	Where to find
The _Quick Setup_ 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**.

Getting Started or _Setup Solutions_ booklet

Description	Where to find

The _Getting Started_ booklet gives you instructions for setting up hardware and software (on Windows operating systems) and some basic instructions for using the printer.
 	
Note: If your printer supports Macintosh operating systems, see the Mac Help:
 	
  1 From the Finder desktop, double-click the **Lexmark 3500-4500 Series** folder.
 	
  2 Double-click the printer **Help** icon.
 	
The _Setup Solutions_ booklet tells you how to solve printer setup problems.
 	
Note: These documents do not ship with all printers. If you did not receive a _Getting Started_ booklet or a _Setup Solutions_ booklet, see the _User's Guide_ instead.
	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
The *User's Guide* gives you instructions for using the printer and other information such as: • Using the software (on Windows operating systems) • Loading paper • Printing • Working with photos • Scanning (if supported by your printer) • Making copies (if supported by your printer) • Faxing (if supported by your printer) • Maintaining the printer • Connecting the printer to a network (if supported by your printer) • Troubleshooting problems with printing, copying, scanning, faxing, paper jams, and misfeeds **Note:** If your printer supports Macintosh operating systems, see the Mac Help: **1** From the Finder desktop, double-click the **Lexmark 3500-4500 Series** folder. **2** Double-click the printer **Help** icon.	When you install the printer software, the *User's Guide* will be installed. **1** Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**. **2** Click **User's Guide**. If the link to the *User's Guide* is not on your desktop, follow these instructions: **1** Insert the CD. The installation screen appears. **Note:** If necessary, click **Start → Run**, and then type `D:\setup`, where `D` is the letter of your CD-ROM drive. **2** Click **Documentation**. **3** Click **View User's Guide (including Setup Troubleshooting)**. **4** Click **Yes**. An icon of the *User's Guide* appears on your desktop, and the *User's Guide* appears on the screen. You can also find this document on the Lexmark Web site at **www.lexmark.com**.

Help

Description	Where to find
The Help gives you instructions for using the software, if your printer connects to a computer.	While in any Lexmark software program, click **Help**, **Tips → Help**, or **Help → Help Topics**.

Lexmark Solution Center

Description	Where to find
The Lexmark Solution Center software is included on your CD. It installs with the other software, if your printer connects to a computer.	To access the Lexmark Solution Center: **1** Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**. **2** Select **Lexmark Solution Center**.

Customer support

Description	Where to find (North America)	Where to find (rest of world)

Telephone 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: 001-888-377-0063
	  Monday–Friday (8:00 AM–8:00 PM ET)
	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.
		Telephone numbers and support hours vary by country or region.
		Visit our Web site at **www.lexmark.com**. Select a country or region, and then select the Customer Support link.
		Note: For additional information about contacting Lexmark, see the printed warranty that shipped with your printer.

E-mail support	For e-mail support, visit our Web site: **www.lexmark.com**. 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**.	E-mail support varies by country or region, and may not be available in some instances. Visit our Web site at **www.lexmark.com**. Select a country or region, and then select the Customer Support link. **Note:** For additional information about contacting Lexmark, see the printed warranty that shipped with your printer.

Limited Warranty

Description	Where to find (US)	Where to find (rest of world)
Limited Warranty Information 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.	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**. 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.	Warranty information varies by country or region. See the printed warranty that shipped with your printer.

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

Setting up the printer

If you are going to use your printer for wireless printing, these are the things you need to know:

1 Make sure your wireless network is set up and working properly, and that your computer is connected to your wireless network.

2 Know the name (SSID) of your wireless network.

3 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 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)	

4 Follow the instructions in the following sections to set up the printer:
- For printing on a Windows operating system using a wireless connection or USB cable , see "Setting up the printer on a Windows operating system" on page 9.
- For printing on a Macintosh operating system or without a computer, see "Setting up the printer on a Macintosh operating system or without a computer" on page 11.

Note: If you previously set up the printer with a computer and want to set it up on another computer on your wireless network, see "Installing the printer on additional network computers" on page 19.

Setting up the printer on a Windows operating system

1 Before you unpack the printer or attach anything, locate the CD for Windows.

2 Make sure the computer is on, and then insert the CD for Windows.

Wait several seconds for the install screen to appear.

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

3 Follow the instructions on the computer screen to set up the printer.

Your security software may notify you that Lexmark software is trying to communicate with your computer system. Always allow these programs to communicate. This is necessary for the printer to work properly.

Installing another language control panel

These instructions apply only if you received one or more additional language control panels with the printer.

1 Lift and remove the control panel (if one is installed).
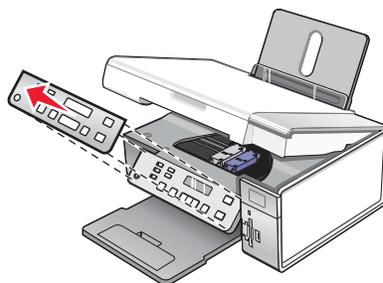
2 Choose the correct control panel for your language.

3 Align the clips on the control panel with the holes on the printer, and then press down.
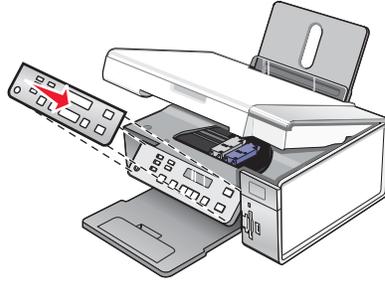
Setting up the printer on a Macintosh operating system or without a computer

The following instructions are for setting up the printer without a computer or on a Macintosh operating system.

1 Unpack the printer.

Note: You may need to purchase a USB cable separately.
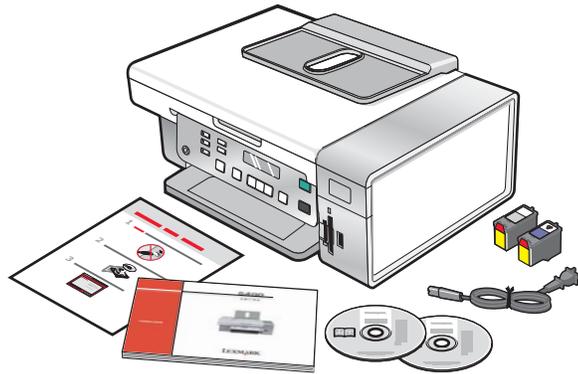
2 Check the top, bottom, sides, paper tray, and paper exit tray to be sure that all tape and packing material is completely removed from the printer.
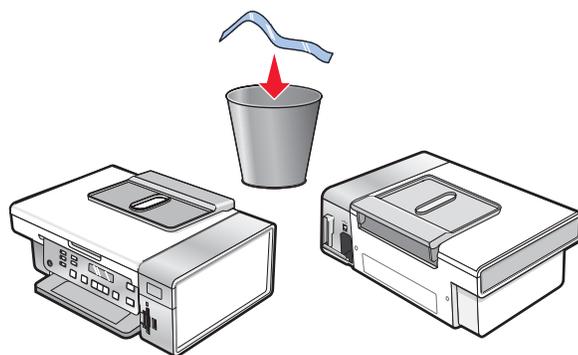
3 Raise the control panel.
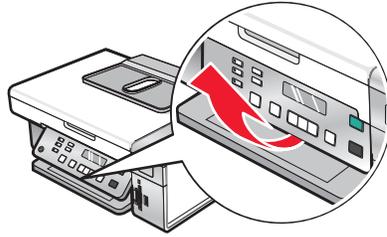
4 Raise the paper support, and then extend the paper exit tray.
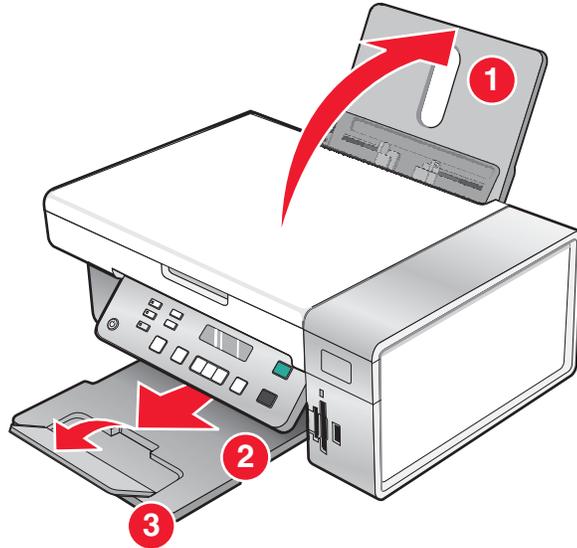
5 Extend the paper guides.
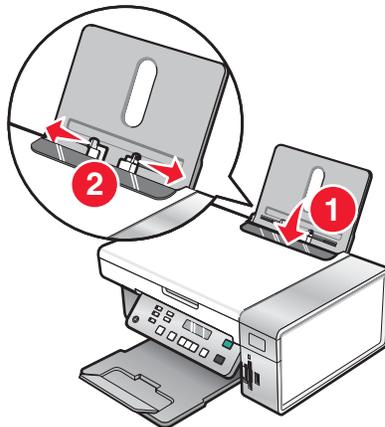
6 Load paper.
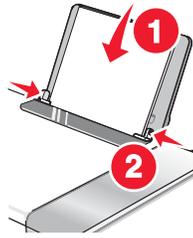
7 Connect the power cord.
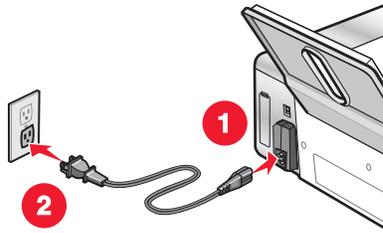
8 Make sure the power is on.
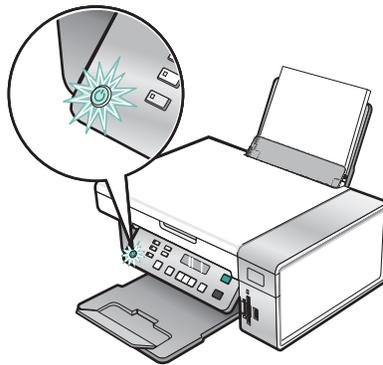
9 Set the language, if needed.

Using the control panel of the printer, press ◀ or ▶ repeatedly until the language you want appears on the display, and then press √ to save the setting.
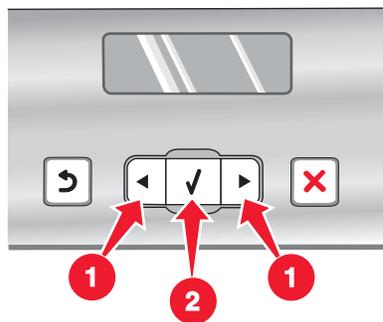
10 Set the country, if needed.

Using the control panel of the printer, press ◀ or ▶ repeatedly until the country you want appears on the display, and then press √ to save the setting.
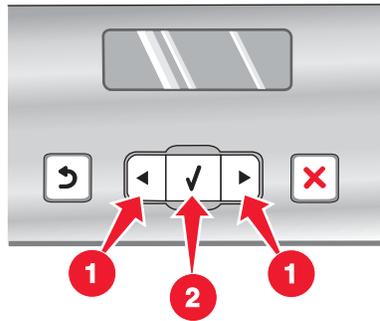
11 Raise the scanner unit.

12 Press down on the cartridge carrier levers to raise the cartridge carrier lids.
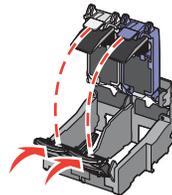
13 Remove the tape from the print cartridges.
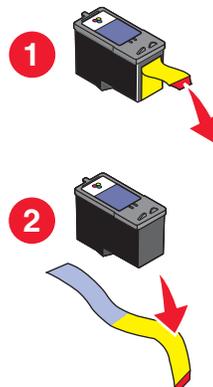
14 Insert the cartridges, and then close the cartridge carrier lids.
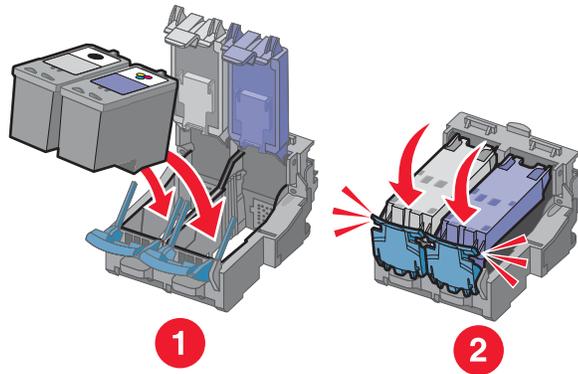
15 Close the scanner unit.

16 Press √ to align the cartridges.

Discard or recycle the alignment page that prints.

If you are setting up the printer without a computer, you are finished. You can now use the printer.

If you are setting up the printer on a Macintosh computer:

- To print using a wireless connection, see "Setting up the printer for wireless printing " on page 15.
- To print using a USB cable, see "Setting up the printer using a USB cable" on page 17.

Setting up the printer for wireless printing

The following instructions are for setting up the printer for wireless printing on a Macintosh operating system.

Notes:

- Make sure you have completed the initial setup of the printer. For more information, see "Setting up the printer on a Macintosh operating system or without a computer" on page 11.
- If you previously set up the printer with a computer and want to set it up on another computer on your wireless network, see "Installing the printer on additional network computers" on page 19.
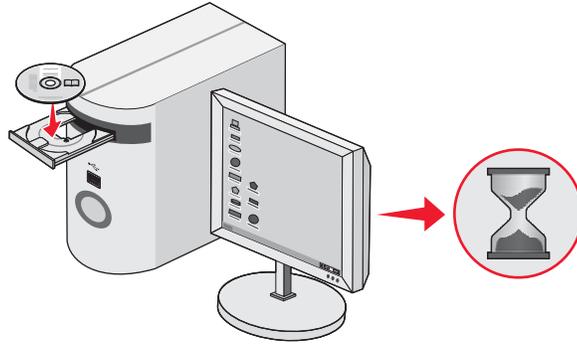
Note:

1 Make sure the computer is on.

2 From the Finder desktop, click the **Applications** folder.

3 From the Applications folder, double-click the **Internet Connect** icon.

4 From the toolbar, click the **AirPort** icon.

5 From the Network pop-up menu, select **print server XXXXXX**, where **XXXXXX** is the last six digits of the printer's MAC address.

> **Notes:**
>
> - The MAC address appears on an adhesive label located on the back of the printer.
> - You will temporarily lose your connection to the Internet while you are connected to "print server XXXXXX" network.

6 Open the Safari browser.

7 From the Bookmarks drop-down menu, select **Show All Bookmarks**.

8 Under Collections, select **Bonjour** or **Rendezvous**.

> **Note:** The application is referred to as Rendezvous in Mac OS X version 10.3, but is now called Bonjour by Apple Inc.

9 Double-click your printer model.

10 Click **Configuration**.

11 Click **Wireless**.

12 Change these settings:

> **a** Enter the name of your network (SSID).
>
> **b** For BSS (Basic Service Set) Type, select
>
> - **Infrastructure** if your wireless network uses a wireless access point (wireless router) to communicate with other wireless devices.
> - **Ad Hoc** if your wireless network does not use a wireless access point (wireless router) to communicate with other wireless devices
>
> **c** Select the type of security you use to protect your wireless network.
>
> **Notes:**
>
> - If you are using the WEP type of security, you must enter a hexadecimal key. If you are using an AirPort base station with WEP security, you must get the equivalent network password. For instructions on getting the equivalent network password, see the documentation that came with your AirPort base station.
> - 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.

13 Click **Submit**.

14 From the Applications folder, double-click the **Internet Connect** icon.

15 From the toolbar, click the **AirPort** icon.

16 From the Network pop-up menu, select your original network.

> **Notes:**
>
> - You may need to enter the password for your wireless network security.
> - Your connection to the Internet will be restored when you reconnect to your original network.

17 Insert the CD for Macintosh.

18 From the Finder desktop, double-click the **Lexmark 3500-4500 Series Installer** icon.

19 Double-click the **Install** icon.

20 Click **Continue**.

21 Follow the instructions on the computer screen to complete the installation.

When you have completed the installation, the printer is ready for you to use.

Setting up the printer using a USB cable

The following instructions are for setting up the printer with a USB cable on a Macintosh operating system.

Note: Make sure you have completed the initial setup of the printer. For more information, see "Setting up the printer" on page 9.

1 Make sure the computer is on.

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.

4 Insert the CD for Macintosh.

5 From the Finder desktop, double-click the **Lexmark 3500-4500 Series Installer** icon.

6 Double-click the **Install** icon.

7 Click **Continue**.

8 Follow the instructions on the computer screen to complete the installation.

When you have completed the installation, the printer is ready for you to use.

Installing an optional internal wireless print server

The printer you purchased may contain an internal wireless print server that allows the printer to be used on a wireless network. If your printer does not have an internal wireless print server already installed, you can purchase one separately at **www.lexmark.com**. Use the following instructions to install the internal wireless 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 Remove the back cover plate by pushing the tab down and then pulling the cover away from the printer.
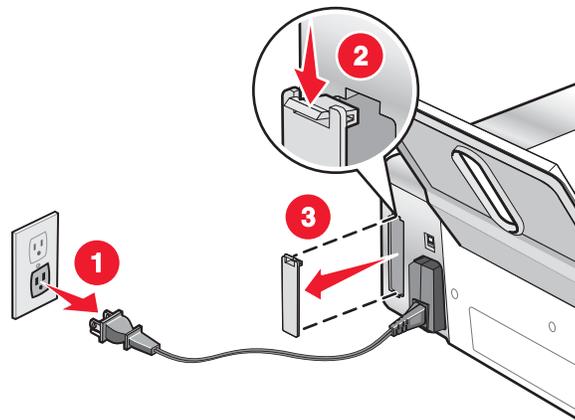
3 Unpack the internal wireless print server. Save the packaging materials.

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.

4 Align the edges of the internal wireless print server with the guides on the left and right, and then slide the wireless print server into the printer until it *snaps* into place.
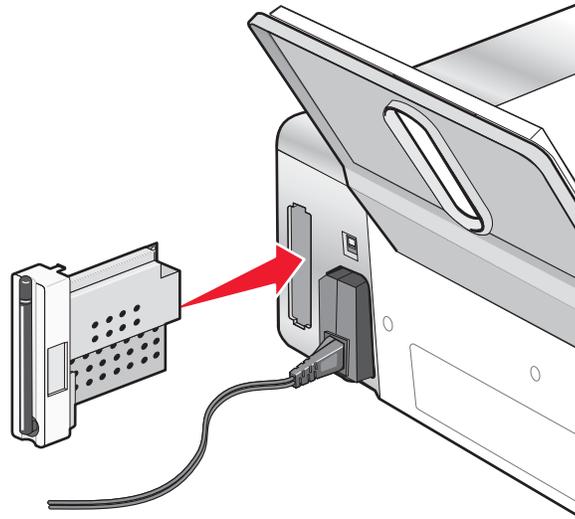
5 Make sure the antenna points up.

6 Attach the adhesive label with the MAC address to the back of the printer. You will need this later in order to network the printer.
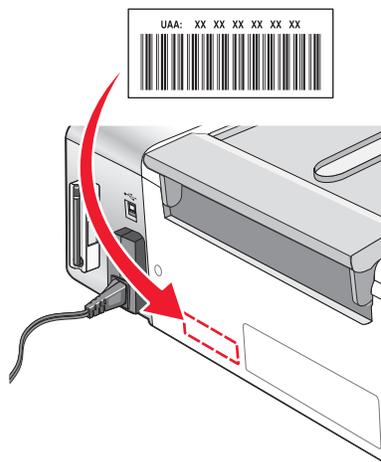
7 Configure the internal wireless print server to work on your wireless network.

- If you purchased the optional internal wireless print server and printer at the same time, see "Setting up the printer" on page 9.
- If you purchased the optional internal wireless print server separately and have already installed the printer:
  - **a** Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.
  - **b** Click **Wireless Setup**.
  - **c** Follow the prompts on the computer screen.

Configuring the optional internal wireless print server

If you purchased the optional internal wireless print server after your printer was already set up, follow these steps:

1 Install the internal wireless print server into the printer. For more information, see "Installing an optional internal wireless print server" in the "Setting up the printer" chapter.

2 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

3 Click **Wireless Setup**.

4 Click **Start**.

5 Follow the instructions on the computer screen.

6 Click **Finish** to complete the installation.

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. If you need help finding the IP or MAC address, see "Finding your MAC address" on page 64.

Wireless 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.

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

There are different ways a network can be set up. Some examples of common home network configurations are:

- Laptop and printer connected wirelessly with Internet
- Computer, laptop, and printer connected wirelessly with Internet
- Ethernet-connected devices with Internet
- Computer, laptop, and printer connected wirelessly without Internet
- Laptop connected wirelessly to printer without Internet

The computers and laptops in all five scenarios must be wired and/or have wireless network adapters built in or installed in them so that they can communicate over a network.

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.

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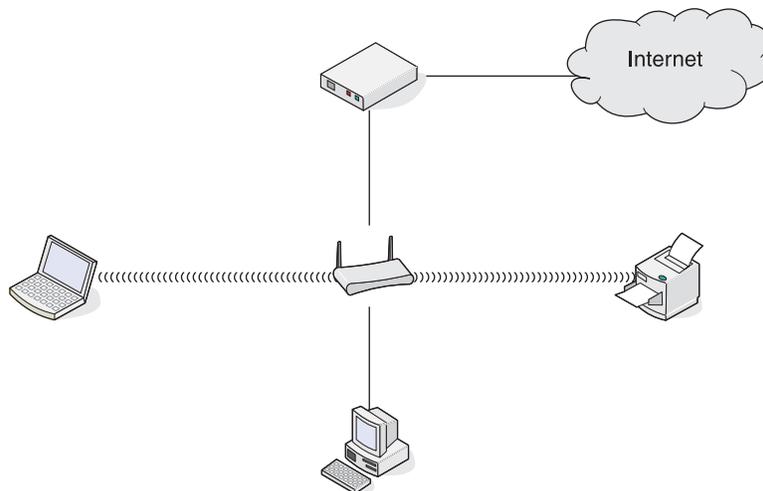
Scenario 2: Computer, laptop, and printer connected wirelessly with Internet

- 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.
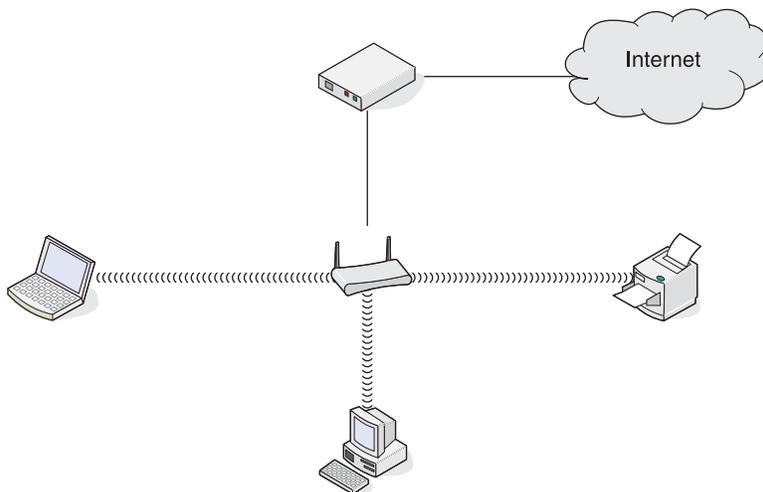
Scenario 3: Ethernet-connected devices with Internet
- A computer, a laptop, and a printer are connected by Ethernet cables to a hub, router, or switch.
- The network is connected to the Internet through a DSL or a cable modem.
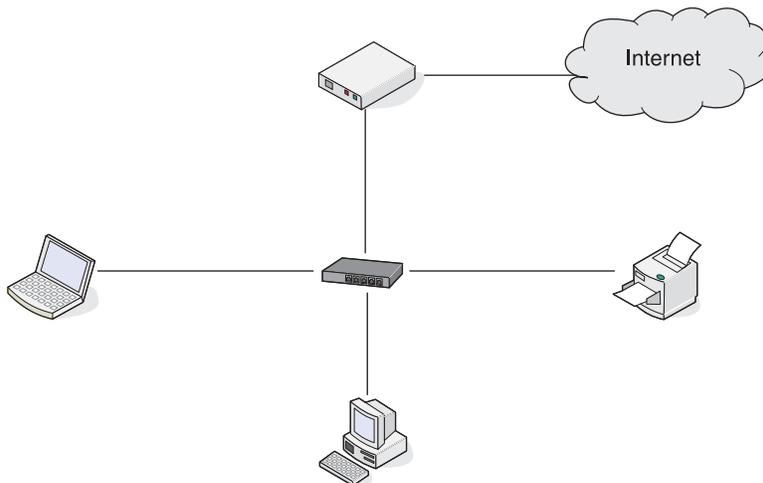
Scenario 4: Computer, laptop, and printer connected wirelessly without Internet
- A computer, a laptop, and a printer are connected wirelessly to a wireless access point.
- The network has no connection to the Internet.
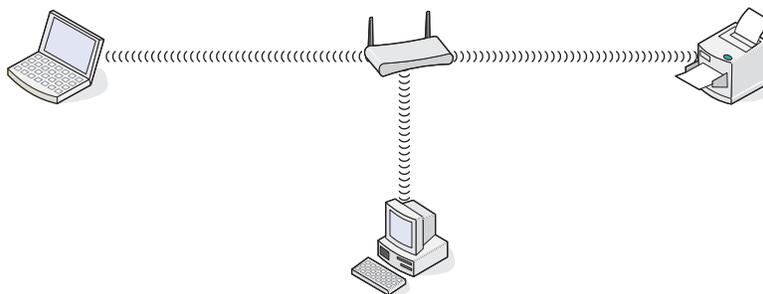
Scenario 5: Laptop connected wirelessly to printer without Internet
- A laptop is directly connected wirelessly to a printer without going through a wireless router.
- The network has no connection to the Internet.
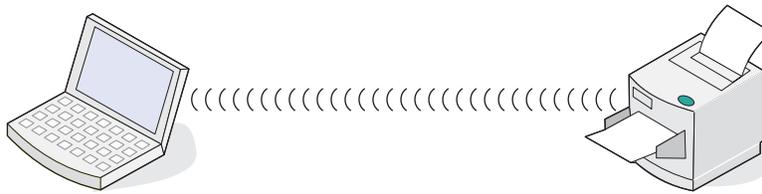
SSID

SSID (Service Set identifier) is a setting on a wireless device that allows devices to join the same wireless network. It is sometimes called the network name. The SSID permits devices to communicate with each other.

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 device are from each other, the more likely it is that the communication signal will be weaker.

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.

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 From the desktop, click **Start Menu** ➥ **Programs** ➥ **Accessories** ➥ **Command Prompt**.

2 Type `ipconfig`

3 Press **Enter**.

   The IP address is included in the information that appears.

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. 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 a customer has a MAC filter enabled in his router and wants to add a printer to their network, the printer's MAC address must be included in the MAC filter list.

Printing a network setup page

A network setup page lists your configuration settings.

Note: You can print a network setup page only after a print server has been installed.

To print a network setup page:

1 From the printer's control panel, press **Settings**.

2 Press ◀ or ▶ repeatedly until **Network Setup** appears.

3 Press √.

4 Press ◀ or ▶ repeatedly until **Print Setup Page** appears.

5 Press √.

6 Press √ again.

Pinging the printer

To test whether your computer can communicate properly with your printer on the same network, issue a `ping` command.

1 From the desktop, click **Start Menu** ➜ **Programs** ➜ **Accessories** ➜ **Command Prompt**.

2 Type the command `ping` followed by the IP address of the device.

3 Press **Enter**.
- If the printer is on the network and responding to the ping, several lines appear that start with "Reply from".
- If the printer is not on the network or is not responding, after several seconds "Request timed out." appears.

If the printer does not respond:

a Print a setup page.

b Check that the printer has an IP address.

c Under Network Card, check that the Status is listed as Connected.

d Check that the computer has an IP Address.

e For additional information, refer to the "Wireless troubleshooting" section of the "Troubleshooting" chapter.

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. As is true with an ad hoc network, all devices must have valid IP addresses and share the same SSID and channel. In addition, they must share the same SSID as the wireless access point (wireless router).

A simple type of wireless network is one where a PC with a wireless print server 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

Learning about the printer

Understanding the parts of the printer

	Use the	To
1	Paper support	Load paper.

2	Wi-Fi indicator	Check wireless status:
		• **Off** indicates that the printer is not turned on or that no wireless option is installed.
		• **Orange**
		  – indicates that the printer is ready to be configured for wireless printing but is not connected to a wireless network
		  – indicates that the printer is connected for USB printing
		• **Orange blinking** indicates that the printer is configured but is unable to communicate with the wireless network.
		• **Green** indicates that the printer is connected to a wireless network.

3	PictBridge port	Connect a PictBridge-enabled digital camera or a flash drive to the printer.
4	Memory card slots	Insert a memory card.
5	Control panel	Operate the printer. For more information, see "Using the control panel" on page 26.
6	Paper exit tray	Hold paper as it exits.
7	Paper feed guard	Prevent items from falling into the paper slot.
8	Paper guide	Keep paper straight when feeding.
9	Top cover	Access the scanner glass.
10	Scanner glass	Copy or remove an item.
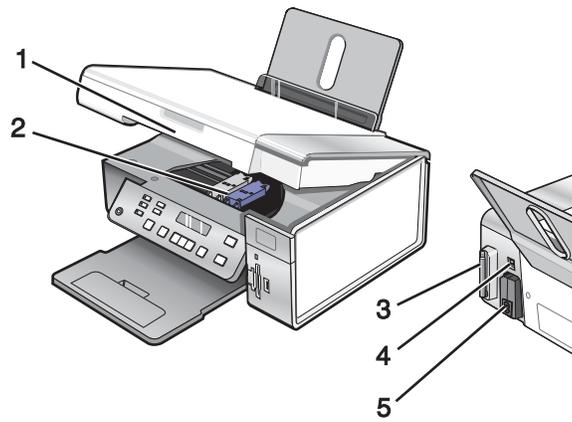
	Use the	To
1	Scanner unit	Access the print cartridges.
2	Print cartridge carrier	Install, replace, or remove a print cartridge.
3	Lexmark N2050 (internal wireless print server)	Connect the printer to a wireless network. **Note:** Only the 4500 Series comes with an internal wireless print server installed.
4	USB port	Connect the printer to a computer using a USB cable.
5	Power supply with port	Connect the printer to a power source.

Using the control panel buttons and menus

Using the control panel

The display shows:

- Printer status
- Messages
- Menus

	Press	To

1	⏻	• Turn the printer on.
		• Turn the printer off.
		    – Press and then release the button quickly to enter Power Saver mode.
		    – Press and hold the button for two seconds to turn the printer off.
		• Stop the print, copy, or scan process.

2	Copy Mode	Access the copy default screen and make copies. **Note:** The mode is selected when the button light is on.
3	Scan Mode	Access the scan default screen and scan documents. **Note:** The mode is selected when the button light is on.
4	Photo Card	Access the photo default screen and print photos. **Note:** The mode is selected when the button light is on.
5	Settings	Access the settings default screen and change printer settings. **Note:** Other button lights are off when this button is selected.
6	Lighter / Darker	Adjust the brightness of a copy or photo.
7	▤	Display the Copy, Scan, or Photo Card menu, depending on which mode is selected.
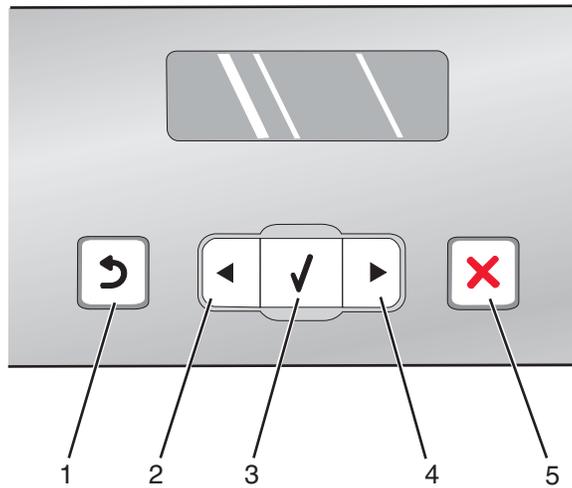
	Press	To
1	↺	• Return to the previous screen. • Delete a letter or number.
2	◀	• Decrease a number. • Delete a letter or number. • Scroll through menus, submenus, or settings on the display.
3	√	• Select a menu or submenu item that appears on the display. • Feed or eject paper.
4	▶	• Increase a number. • Enter a space between letters or numbers. • Scroll through menus, submenus, or settings on the display.
5	✕	• 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.
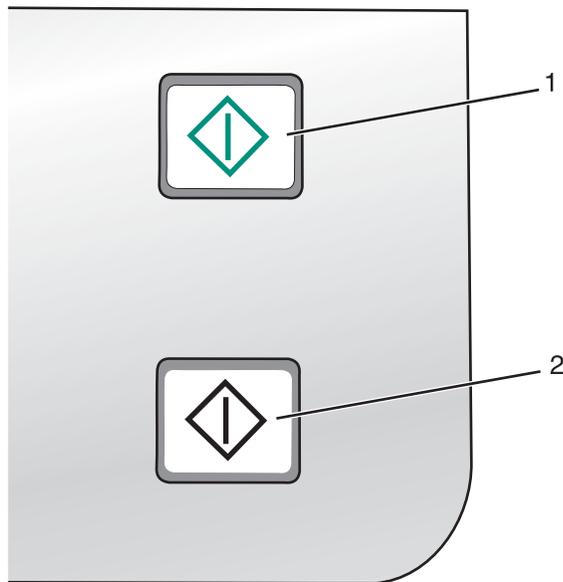
	Press	To
1	Start Color	Start a color copy, scan, or photo print job, depending on which mode is selected.
2	Start Black	Start a black-and-white copy, scan, or photo print job, depending on which mode is selected.

Using the Copy menu

To access and navigate the Copy menu:

1 From the control panel, press **Copy Mode**.

The copy default screen appears.

2 If you do not want to change a setting, press **Start Color** or **Start Black**.

3 If you want to change a setting, press ▤.

4 Press ◄ or ► repeatedly until the menu item you want appears.

5 Press √.

6 Press ◄ or ► repeatedly until the submenu item you want or the setting you want appears.

7 Press √.

Note: Pressing √ selects a setting. An * appears next to the selected setting.

8 To go into additional submenus and settings, repeat step 6 and step 7 as needed.

9 If necessary, press ⤴ repeatedly to return to the previous menus and make other setting selections.

10 Press **Start Color** or **Start Black**.

Use this	To
Copies*	Specify how many copies to print.
Resize*	- Specify the percentage for enlarging or reducing the original copy. - Specify a specific copy size. - Create a multiple-page poster.
Lighter / Darker*	Adjust the brightness of a copy.
Quality*	Adjust the quality of a copy.
Paper Setup	Specify the size and type of the paper loaded.
Repeat Image*	Choose how many copies of an image to print on a page.
Collate	Print one or more copies in the correct order.
N-Up*	Choose how many pages to print on a page.
Original Size*	Specify the size of the original document.
Original Type*	Specify the type of the original document.
* Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 35.	

Using the Scan menu

To access and navigate the Scan menu:

1 From the control panel, press **Scan Mode**.

The scan default screen appears.

2 Press ◀ or ▶ repeatedly until the scan destination you want appears.

3 If you do not want to change a setting, press **Start Color** or **Start Black**.

4 If you want to change a setting, press ▤.

5 Press ◀ or ▶ repeatedly until the menu item you want appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until the submenu item you want or the setting you want appears.

8 Press √.

Note: Pressing √ selects a setting. An * appears next to the selected setting.

9 To go into additional submenus and settings, repeat step 7 and step 8 as needed.

10 If needed, press ↰ repeatedly to return to the previous menus and make other setting selections.

11 Press **Start Color** or **Start Black**.

Use this	To
Quality*	Adjust the quality of a scan.
Original Size*	Specify the size of the original document.
* Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 35.	

Using the Photo Card menu

1 If necessary, press **Photo Card**, or insert a memory card or a flash drive into the printer.

2 Press ◀ or ▶ repeatedly until the menu item you want appears.

3 Press √.

4 Press ◀ or ▶ repeatedly until the submenu item you want or the setting you want appears.

5 Press √.

Note: Pressing √ selects a setting. An * appears next to the selected setting.

6 To go into additional submenus and settings, repeat step 4 and step 5 as needed.

7 If necessary, press ↰ repeatedly to return to the previous menus and make other setting selections.

8 Press **Start Color** or **Start Black**.

Menu item	Action
Proof Sheet	Print and then scan a proof sheet: • for all photos on the memory card • for the most recent 20 photos • by date
Print Photos	Print photos directly from a memory card or flash drive.
Save Photos	• Save photos stored on a memory card or flash drive to the computer. • Copy photos from a memory card to a flash drive.
Lighter/Darker	Adjust brightness of printed photos.
Photo Effects[1]	Apply automatic image enhancement or color effects to your photos.
Paper Setup[1, 2]	Specify the size and type of the paper loaded.
Photo Size[1, 2]	Specify the size photo you want.
Layout[1]	Select borderless or bordered, center one photo on a page, or specify the number of photos to print on a page.
Quality[1]	Adjust the quality of printed photos.
[1] Setting will return to factory default setting when a memory card or flash drive is removed.	
[2] Setting must be saved individually. For more information, see "Saving Paper Size, Paper Type, and Photo Size settings" on page 32.	

Saving Paper Size, Paper Type, and Photo Size settings

1   From the control panel, press **Settings**.

2   Press ◀ or ▶ repeatedly until `Paper Setup` appears.

3   Press √.

4   Press ◀ or ▶ repeatedly until `Paper Size` appears.

5   Press √.

6   Press ◀ or ▶ repeatedly until the size you want appears.

7   Press √.

8   Press ⤺ to go to the `Paper Type` submenu.

9   Press √.

10 Press ◀ or ▶ repeatedly until the setting type you want appears.

11 Press √.

12 Press ⤺ repeatedly until `Defaults` appears.

13 Press √.

14 Press ◀ or ▶ repeatedly until `Photo Print Size` appears.

15 Press √.

16 Press ◀ or ▶ repeatedly until the setting you want appears.

17 Press √.

Using the PictBridge menu

The PictBridge default settings menu lets you select printer settings if you did not specify the settings beforehand on your digital camera. For more information on making camera selections, see the documentation that came with your camera.

1   Connect a PictBridge-enabled digital camera to the printer.

    a   Insert one end of the USB cable into the camera.

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

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

       Note: The PictBridge port is marked with the PictBridge symbol.
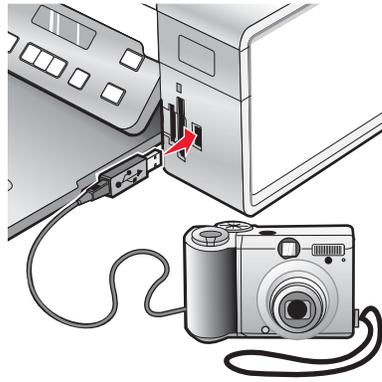
The message, `PictBridge camera detected. Press √ to change settings.` appears on the display.

2 Press ◄ or ► repeatedly until the menu item you want appears.

3 Press √.

4 Press ◄ or ► repeatedly until the submenu item you want or the setting you want appears.

5 Press √.

Note: Pressing √ selects a setting. An * appears next to the selected setting.

6 To go into additional submenus and settings, repeat step 4 and step 5 as needed.

7 If necessary, press ↰ repeatedly to return to the previous menus and make other setting selections.

Menu Item	Action
Paper Setup[1, 2]	Specify the size and type of paper loaded.
Photo Size[1, 2]	Specify the size of printed photos. **Note:** If you did not specify the photo size beforehand in your digital camera, the default photo sizes are: • 4 x 6 (if Letter is your default Paper Size) • 10 x 15 cm (if A4 is your default Paper Size, and your country is *not* Japan) • L (if A4 is your default Paper Size, and your country is Japan)
Layout[1]	Center one photo on a page, or specify the number of photos to print on a page.
Quality[1]	Adjust the quality of printed photos.
[1] Setting will return to factory default setting when the PictBridge-enabled digital camera is removed.	
[2] Setting must be saved individually. For more information, see "Saving Paper Size, Paper Type, and Photo Size settings" on page 32.	

Using the Settings menu

1 From the control panel, press **Settings**.

2 Press ◄ or ► repeatedly until the menu item you want appears.

3 Press √.

4 Press ◀ or ▶ repeatedly until the submenu item you want or the setting you want appears.

5 Press √.

   Note: When you choose a value selection, an * appears next to the selected setting.

6 To go into additional submenus and settings, repeat step 4 and step 5 as needed.

7 If necessary, press ↰ repeatedly to return to the previous menus and make other selections.

From here	You can
Maintenance	Select: • **Ink Level** to view the ink level of the color cartridge. Press ◀ or ▶ to view the ink level of the black (or photo) cartridge. • **Clean Cartridges** to clean the print cartridge nozzles. For more information, see "Cleaning the print cartridge nozzles" in the "Maintaining the printer" chapter of the *User's Guide* on the CD. • **Align Cartridges** to align the cartridge. For more information, see "Aligning print cartridges" in the "Maintaining the printer" chapter of the *User's Guide* on the CD. • **Print Test Page** to print a test page.
Paper Setup	Select the size and type of paper loaded.
Device Setup	Select: • **Language** to change the language setting. • **Country** to set the default blank paper size and date format being used in your location. • **Clear Settings Timeout** to change the timeout feature before the printer, if left unused, resets to the factory default settings. For more information, see "Saving settings" on page 35. • **Power Saver** to set the number of minutes before the printer, if left unused, enters the Power Saver mode.
Defaults	Select: • **Photo Print Size** to choose the size of photo(s) to print. • **Set Defaults** to change default settings. For more information, see "Saving settings" on page 35.
Network Setup	Select: • **Print Setup Page** to print a page that lists the network settings. • **Wireless Setup** to view: 　– **Network Name**, which shows the six characters unique to your specific printer. 　– **Wireless Signal Quality**, which shows the signal strength. 　– **Reset Network Adapter to Factory Defaults**, which lets you reset the wireless network settings. • **TCP/IP** to reset the IP address.

Saving settings

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

1 Press ◄ or ► repeatedly until the setting you want appears.

2 Press √:

- To save most settings. An * appears next to the saved setting.
- To select a temporary setting. An * appears next to the selected setting.

  Note: The printer reverts to the default setting of a temporary setting after two minutes of inactivity or if the printer is turned off.

Temporary settings

Copy Mode	– Copies – Resize – Lighter/Darker – Quality – Repeat Image – N-Up – Original Size – Original Type
Scan Mode	– Quality – Original Size – Resize
Photo Card	The following Photo Card settings will not time out after two minutes of inactivity or turning off the power but will return to the factory default settings when a memory card or flash drive is removed. – Photo Effects – Photo Size – Layout – Quality

To change the timeout feature:

a Press **Settings**.

b Press ◄ or ► repeatedly until `Device Setup` appears.

c Press √.

d Press ◄ or ► repeatedly until `Clear Settings Timeout` appears.

e Press √.

f Press ◄ or ► repeatedly until `Never` appears.

g Press √.

3 To change one or more temporary settings into new default settings:

a Press **Settings**.

b Press ◄ or ► repeatedly until `Defaults` appears.

c Press √.

d Press ◀ or ▶ repeatedly until **Set Defaults** appears.

e Press √.

f Press ◀ or ▶ repeatedly until **Use Current** appears.

g Press √.

Learning about the software

This chapter tells how to use the printer with Windows operating systems. If you are using a Macintosh operating system, see the Mac Help:

1 From the Finder desktop, double-click the **Lexmark 3500-4500 Series** folder.

2 Double-click the printer **Help** icon.

Using the printer software

Use this software	To
The Lexmark Imaging Studio	Preview, scan, copy, print, or fax documents or photos.
The Solution Center	Find troubleshooting, maintenance, and cartridge ordering information.
Printing Preferences	Select the best print settings for the document you are printing.
The Toolbar	Create printer-friendly versions of active Web pages.

Using the Lexmark Imaging Studio

To open the Lexmark Imaging Studio Welcome screen, use one of these methods:

Method 1	Method 2
From the desktop, double-click the **Lexmark Imaging Studio** icon.	**1** Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**. **2** Select **Lexmark Imaging Studio**.

Click the **Lexmark Imaging Studio** icon for the task you want to complete.

Click	To	Details
	Scan	• Scan a photo or document. • Save, edit, or share your photo or document.
	Copy	• Copy a photo or document. • Reprint or enlarge your photo.
	Fax	Send a photo or document as a fax.
	E-mail	Send a document or photo as an attachment to an e-mail message.

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

From the bottom left corner of the Welcome screen,

Click	To
Setup and diagnose printer	• Check ink levels. • Order print cartridges. • Find maintenance information. • Select other Solution Center tabs for more information, including how to change printer settings and troubleshooting.
Setup and manage faxes	Set printer fax settings for: • Dialing and Sending • Ringing and Answering • Fax Printing/Reports • Speed Dial and Group Dial numbers

Using the Solution Center

The Solution Center provides help, as well as information about the printer status and ink level.

To open the Solution Center, use one of these methods:

Method 1	Method 2
1 From the desktop, double-click the **Lexmark Imaging Studio** icon. 2 Click **Setup and diagnose printer.** The Solution Center appears with the Maintenance tab open.	1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**. 2 Select **Solution Center**.

The Solution Center consists of six tabs:

From here	You can
Printer Status (Main dialog)	• View the status of the printer. For example, while printing, the status of the printer is `Busy Printing`. • View paper type detected. • View ink levels and order new print cartridges.

How To	• Learn how to:
	  – Use basic features.
	  – Print, scan, copy, and fax.
	  – Print projects such as photos, envelopes, cards, banners, iron-on transfers, and transparencies.
	• Find the electronic *User's Guide* for more information.
	• View ink levels and order new print cartridges.

Troubleshooting	• Learn tips about the current status. • Solve printer problems. • View ink levels and order new print cartridges.
Maintenance	• Install a new print cartridge. **Note:** Wait until scanning is complete before installing a new print cartridge. • View shopping options for new cartridges. • Print a test page. • Clean to fix horizontal streaks. • Align to fix blurry edges. • Troubleshoot other ink problems. • View ink levels and order new print cartridges.
Contact Information	• Learn how to contact us by telephone or on the World Wide Web. • View ink levels and order new print cartridges.

From here	You can
Advanced 	• Change the appearance of the Printing Status window. • Turn printing voice notification on or off. • Change network printing settings. • Share information with us regarding how you use the printer. • Obtain software version information. • View ink levels and order new print cartridges.

Note: For more information, click **Help** in the lower right corner of the screen.

Using Printing Preferences

Opening Printing Preferences

Printing Preferences is the software that controls the printing function when the printer is connected to a computer. You can change the settings in Printing Preferences based on the type of project you want to create. You can open Printing Preferences from almost any program:

1 With a document open, click **File ➡ Print**.

2 From the Print dialog, click **Properties, Preferences, Options,** or **Setup**.

Using the Save Settings menu

From the "Save Settings" menu, you can name and save the current Print Properties settings for future use. You can save up to five custom settings.

Using the I Want To menu

The "I Want To" menu contains a variety of task wizards (printing a photo, an envelope, a banner, a poster, or printing on both sides of the paper) to help you select the correct print settings for a project.

Using the Options menu

Use the "Options" menu to make changes to the Quality Options, Layout Options, and Printing Status Options settings. For more information on these settings, open the tab dialog from the menu, and then click the **Help** button on the dialog.

The "Options" menu also provides direct links to different parts of the Solution Center as well as software version information.

Using the Printing Preferences tabs

All of the print settings are on the three main tabs of the Printing Preferences software: Quality/Copies, Paper Setup, and Print Layout.

Tab	Choices
Quality/Copies	• Select a Paper Type setting of "Use printer sensor" or "Use my choice." • Select a Quality/Speed setting of Automatic, Quick Print, Normal, or Photo. • Select to print in black and white instead of color. • Specify the number of copies to print. • Select to collate the job. • Specify to print the last page of the job first.
Paper Setup	• Select a Paper Size for Paper, Envelope, Banner, or Borderless. • Select an Orientation of Portrait or Landscape.
Print Layout	• Select a Layout of Normal, Banner, Mirror, N-up, Poster, Booklet, or Borderless. • Select a duplexing preference on how the sheets are flipped.

Using the Toolbar

The Toolbar lets you create printer-friendly versions of Web pages.
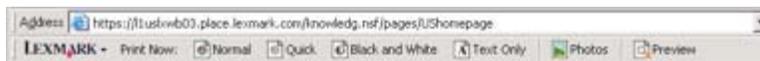
Note: The Toolbar launches automatically when you browse the Web using Microsoft Windows Internet Explorer version 5.5 or later.

Click	To
LEXMARK	• Select Page Setup options. • Select Options to customize the toolbar appearance or select a different setting for printing photos. • Access links to the Lexmark Web site. • Access Help for additional information. • Uninstall the Toolbar.
Normal 	Print an entire Web page in normal quality.

Click	To
Quick	Print an entire Web page in draft quality.
Black and White	Print an entire Web page in black and white.
Text Only	Print only the text of a Web page.
Photos	Print only the photos or images on a Web page. **Note:** The number of photos or images valid for printing appears next to Photos. Photos (1)
Preview	Preview a Web page before printing.

Resetting printer software settings to defaults

Windows 2000 or Windows XP users only:

1 Click **Start** ➜ **Settings** ➜ **Printers** or **Printers and Faxes**.

2 Right-click the **Lexmark 3500-4500 Series** icon.

3 Click **Printing Preferences**.

4 Click the **Save Settings** menu.

5 From the Restore section, select **Factory Settings (Defaults)**.

Note: Factory default settings cannot be deleted.

Maintaining the printer

Changing print cartridges

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 lever to raise the cartridge carrier lid.
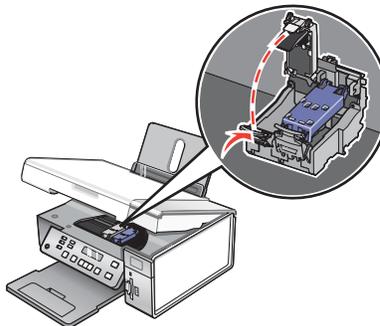
4 Remove the used print cartridge.

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

Installing print cartridges

1 If you are installing new print cartridges, remove the sticker and tape from the back and bottom of the cartridges.
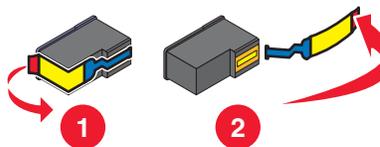
Warning: Do *not* touch the gold contact area on the back or the metal nozzles on the bottom of the cartridges.

2 Press down on the cartridge carrier levers to raise the cartridge carrier lids.
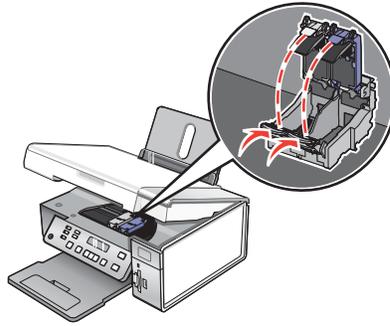
3 Insert the black cartridge or the photo cartridge in the left carrier. Insert the color cartridge in the right carrier.
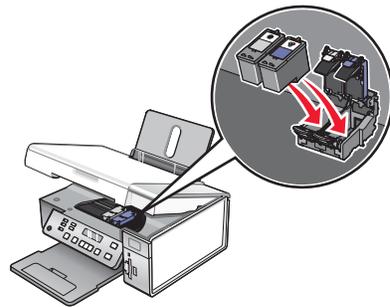
4 Close the lids.
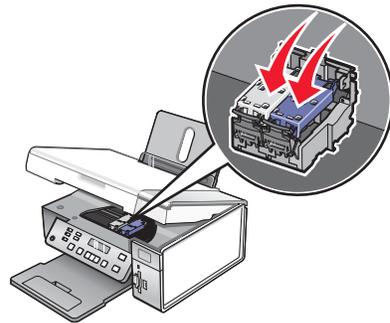
5 Close the scanner unit, making sure to keep your hands out from underneath the scanner unit.
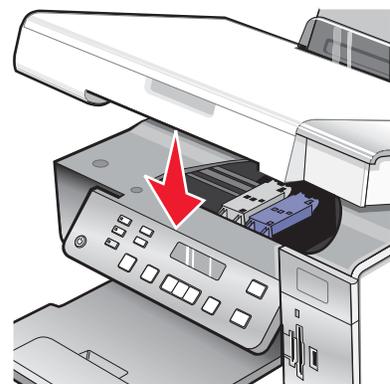
The control panel display will prompt you to load paper and press √ to print an alignment page.

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

Ordering print cartridges

Lexmark 3500-4500 Series models (except Lexmark 3580 and Lexmark 4580)

Item	Part number	Average cartridge standard page yield is up to[1]
Black cartridge	23A	215
Black cartridge[2]	23	215
High yield black cartridge	34	550
Color cartridge	24A	185
Color cartridge[2]	24	185
High yield color cartridge	35	500
Photo cartridge	31	Not applicable
[1] Values obtained by continuous printing. Declared yield value in accordance with ISO/IEC 24711 (FDIS).		
[2] Licensed Return Program Cartridge		

Lexmark 3580 and Lexmark 4580 models

Item	Part number
Color cartridge	2
Black cartridge	3
Photo cartridge	31

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 papers.

Item	Part number
USB cable	1021294
Lexmark N2050 (Internal wireless print server) **Note:** If your printer did not come with an internal wireless print server already installed, installing the Lexmark N2050 in the printer lets you print and scan on a wireless network.	For more information, go to **www.lexmark.com**.

Paper	Paper size
Lexmark Premium Photo Paper	- Letter - A4 4 x 6 in. 10 x 15 cm - L
Lexmark Photo Paper	- Letter - A4 4 x 6 in. 10 x 15 cm
Lexmark PerfectFinish™ Photo Paper	- 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 Premium Photo Paper, Lexmark Photo Paper, or Lexmark PerfectFinish Photo Paper in your country or region, go to **www.lexmark.com**.

Troubleshooting

For more troubleshooting information on a Macintosh operating system, see the Mac Help.

Setup troubleshooting

- "Incorrect language appears on the display" on page 47
- "Power button is not lit" on page 47
- "Software does not install" on page 48
- "Page does not print" on page 49
- "Cannot print from digital camera using PictBridge" on page 50

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 **Settings**.

2 Press ◀ or ▶ repeatedly until **Device Setup** appears.

3 Press √.

4 Press ◀ or ▶ repeatedly until **Language** appears.

5 Press √.

6 Press ◀ or ▶ repeatedly until the language you want appears on the display.

7 Press √ to save.

Note: If you cannot understand the language on the display, see "Resetting to factory default settings" on page 65.

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.
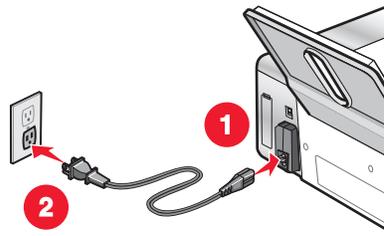
3 Plug the cord into an electrical outlet that other electrical devices have been using.

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 2000 with Service Pack 3 or later
- Windows XP
- Windows Vista
- 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 "Uninstalling and reinstalling the software" on page 66.

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" in the "Troubleshooting" chapter of the *User's Guide* on the CD.

Check power

If the ⏻ light is not on, see "Power button is not lit" on page 47.

Reload paper

Remove and then load paper.

Check ink

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

Check print cartridges

1 Remove the print cartridges.

2 Make sure the sticker and tape have been removed.
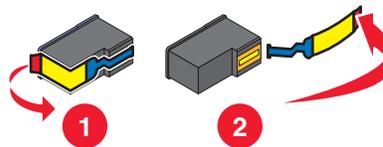
3 Reinsert the cartridges.

Check printer default and pause settings

1 Click:

- In Windows XP (default Start menu): **Start → Printers and Faxes**.
- In Windows XP (Classic Start menu): **Start → Settings → Printers and Faxes**.
- In Windows Vista (default Start menu): **Start → Control → Printers** (under Hardware and Sound).
- In Windows Vista (Classic Start menu): **Start → Printers**.

2 Double-click the printer queue device.

3 Click **Printer**.

- Make sure no check mark appears next to Pause Printing.
- If a check mark does not appear next to Set As Default Printer, you must select the print queue device for each file you want to print.

Reconnect power supply

1 Press ⏻ to turn the printer off.

2 Disconnect the power cord from the wall outlet.

3 Gently remove the power supply from the printer.

4 Reconnect the power supply to the printer.

5 Plug the power cord into the wall outlet.

6 Press ⏻ to turn the printer on.

Uninstall and reinstall software

Uninstall the printer software, and then reinstall it. For more information, see "Uninstalling and reinstalling the software" on page 66.

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. 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 the camera 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" in the "Troubleshooting" chapter of the *User's Guide* on the CD.

Wireless troubleshooting

Printing a network setup page

A network setup page lists your network configuration settings.

Note: You can print a network setup page only after a print server has been installed.

To print a network setup page:

1 From the control panel of the printer, press **Settings**.

2 Press ◀ or ▶ repeatedly until **Network Setup** appears.

3 Press √.

4 Press ◀ or ▶ repeatedly until **Print Setup Page** appears.

5 Press √.

6 Press √ again.

Wi-Fi indicator is not lit

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

Check power

If the printer ⏻ light is not on, see "Power button is not lit" on page 47.

Remove and reinstall the optional internal print server

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

Reinstall the internal wireless print server. For more information, see "Installing an optional internal wireless print server" on page 17.

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.

Windows users only

1 If you do not know the SSID of the network, use the following steps to obtain it before rerunning the Wireless Setup Utility.

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

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

       1 Click:

- In Windows XP: **Start → Programs** or **All Programs → Accessories → Command Prompt**
- In Windows Vista: The **Start icon → All Programs → Accessories → Command Prompt**
 The Start icon looks like 🏁.

       2 Type `ipconfig`

       3 Press **Enter**.

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

   b Enter your user name and password when prompted.

   c Click **OK**.

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

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

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

2 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

3 Click **Wireless Setup**.

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

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

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

Macintosh users only

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.

    a From the Applications folder, double-click the **Internet Connect** icon.

    b From the toolbar, click the **AirPort** icon.

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

    c Write down the SSID.

2 Reconfigure the printer's settings. See "Run the wireless setup again" on page 62.

3 Insert the CD for Macintosh.

4 From the Finder desktop, double-click the **Lexmark 3500-4500 Series Installer** icon.

5 Double-click the **Install** icon.

6 Click **Continue**.

7 Follow the instructions on the computer screen.

8 Store the SSID in a safe place for future reference.

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.

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

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

Check power

If the ⏻ light is not on, see "Power button is not lit" on page 47.

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 $\leftarrow\!\!\leftarrow$ USB symbol.

3 Firmly plug the square end of the USB cable into the USB port on the back of the printer.

4 Cancel the software installation.

5 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

6 Click **Wireless Setup Utility**.

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

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 still connected to the printer.

Configure optional wireless internal print server

If you purchased the optional internal wireless print server after your printer was already set up and have not already configured it, 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.
  - To reset the computer network name, see the documentation that came with your computer.
  - To reset the printer name:

    1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

    2 Click **Wireless Setup Utility**.

    3 Follow the instructions on the computer screen, and enter the new network name when prompted.

Check security keys

Make sure security keys are correct. For more information, see "Check your security keys" on page 52.

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 50.

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 your MAC address" on page 64.

Wi-Fi indicator light is blinking orange during installation

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

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

Make sure the access point is on

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

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

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

Try adjusting external antennas

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

Move your computer and/or printer

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

You can find the signal strength of the network on the network setup page. For information on how to print a setup page, see "Printing a network setup page" on page 50.

Check security keys

Make sure security keys are correct. For more information, see "Check your security keys" on page 52.

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 your MAC address" on page 64.

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

Windows users only

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

   a Click:

- In Windows XP: **Start** ➜ **Programs** or **All Programs** ➜ **Accessories** ➜ **Command Prompt**
- In Windows Vista: The **Start icon** ➜ **All Programs** ➜ **Accessories** ➜ **Command Prompt**
  The Start icon looks like .

   b Type `ipconfig`.

c Press **Enter**.

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

2 Ping the wireless access point (wireless router).

a Click:

- In Windows XP: **Start** ➜ **Programs** or **All Programs** ➜ **Accessories** ➜ **Command Prompt**
- In Windows Vista: The **Start icon** ➜ **All Programs** ➜ **Accessories** ➜ **Command Prompt**

  The Start icon looks like 🔵.

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

```
ping 192.168.0.100
```

c Press **Enter**.

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

4 If the wireless access point (wireless router) does not respond, it will take several seconds and then you will see "Request timed out."

Try the following:

a Click:

- In Windows XP: **Start** ➜ **Settings** or **Control Panel** ➜ **Network Connection**
- In Windows Vista: The **Start icon** ➜ **Control Panel** ➜ **Network and Internet** ➜ **Network and Sharing Center**

  The Start icon looks like 🔵.

b Select the appropriate connection from the ones shown.

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

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

Macintosh users only

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 To check the network status, 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 Select **AirPort** in the Show pop-up menu, and click **TCP/IP**.

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

2 Ping the wireless access point (wireless router).

    a From the Applications folder, click the **Utilities** folder.

    b Double-click the **Network Utility** application.

    c Type the IP address of the wireless access point (wireless router) in the network address field. For example:

        `10.168.0.100`

    d 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. See the Mac Help for additional AirPort tips and information, or you can use Network Diagnostics to help resolve the problem.

Run the wireless setup again

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

Notes:

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

Windows users only

1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

2 Click **Wireless Setup**.

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

3 Follow the instructions on the computer screen.

Macintosh users only

1 Open the Safari browser.

2 From the Bookmarks drop-down menu, select **Show All Bookmarks**.

3 Under Collections, select **Bonjour** or **Rendezvous**.

    Note: The application is referred to as Rendezvous in Macintosh OS X version 10.3, but is now called Bonjour by Apple Inc.

4 Double-click your printer model.

    Note: If your printer is not shown, manually type the IP address of the printer in the browser address field. For example:

    `http://10.168.0.101`

5 Click **Configuration**.

6 Click **Wireless**.

7 Change these settings:

    a Enter the name of your network (SSID).

    b For BSS Type, select **Infrastructure** if you are using a wireless router.

    c Select the type of security you use to protect your wireless network.

    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.

8 Click **Submit**.

Wireless network printer does not print

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

Check power

If the printer ⏻ light is not on, see "Power button is not lit" on page 47.

Check cable

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

Check Wi-Fi indicator light

Make sure the Wi-Fi indicator light is green. If it is not green, see "Wi-Fi indicator light is orange" or "Wi-Fi indicator light is blinking orange during installation" in the "Wireless troubleshooting" section of the "Troubleshooting" chapter.

Check that printer driver is installed

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

1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

    If printer programs are listed, then your print driver is installed.

2 If printer programs are not listed, insert the printer 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. For more information, see "Printing a network setup page" on page 50.

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.

Windows users only

1 Click **Start → Control Panel → Printers**.

2 Right-click **Lexmark XXXX** where XXXX is the model series number of your printer.

3 Click **Properties ➜ Ports**.

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

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

5 If **USB** is selected instead:

a Select the port name from step 4.

b Click **Apply**.

c Close the window, and try printing again.

Mac users only

1 From the Finder window, click **Go ➜ Applications ➜ Utilities**.

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

The Printer List dialog appears.

3 Verify that **XXXX Series <MAC:nnnnnnnnnnnn>** is the default printer, where XXXX is the model series number of your printer and nnnnnnnnnnnn is the 12-digit MAC address of your printer.

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

4 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.

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.

Wireless printer is no longer working

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

Check power

- If the printer ⏻ light is not on, see "Power button is not lit" on page 47.
- 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 information on how to print a setup page, see "Printing a network setup page" on page 50.

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

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

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

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

- To reset the computer network name, see the documentation that came with your computer.
- To reset the printer name:
    1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.
    2 Click **Wireless Setup Utility**.
    3 Follow the instructions on the computer screen, and enter the new network name when prompted.

Reboot the computer

Turn off and restart the computer.

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

Windows users only

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

2 Ping the wireless access point (wireless router).
    a Click:
        - In Windows XP: **Start → Programs** or **All Programs → Accessories → Command Prompt**
        - In Windows Vista: The **Start icon → All Programs → Accessories → Command Prompt**
          The Start icon looks like ⊞.
    b Type **ping** followed by a space and the IP address of the wireless access point (wireless router). For example:
      ```
      ping 192.168.0.100
      ```
    c Press **Enter**.

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

4 If the wireless access point (wireless router) does not respond, it will take several seconds and then you will see "Request timed out."

Try the following:

a Click:

- In Windows XP: **Start → Settings** or **Control Panel → Network Connection**
- In Windows Vista: The **Start icon → Control Panel → Network and Internet → Network and Sharing Center**

  The Start icon looks like 🪟.

b Select the appropriate connection from the ones shown.

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

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

Macintosh users only

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 To check the network status, 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 is connected.

Notes:

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

d Select **AirPort** in the Show pop-up menu, and then click **TCP/IP**.

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

2 Ping the wireless access point (wireless router).

a From the Applications folder, click the **Utilities** folder.

b Double-click the **Network Utility** application.

c Type the IP address of the wireless access point (wireless router) in the network address field. For example:

`10.168.0.100`

d 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. See the Mac Help for additional AirPort tips and information, or use Network Diagnostics to help resolve the problem.

Ping the printer to make sure it is on the network

Windows users only

1 Click:

- In Windows XP: **Start → Programs** or **All Programs → Accessories → Command Prompt**
- In Windows Vista: The **Start icon → All Programs → Accessories → Command Prompt**

  The Start icon looks like 🔵.

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

```
ping 192.168.0.25
```

3 Press **Enter**.

4 If the printer responds, you will see several lines appear that start with "Reply from".

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

5 If the printer does not respond, it will take several seconds and then you will see "Request timed out."

  a Check that the computer has a wireless IP address.

    1 Click:

- In Windows XP: **Start → Programs** or **All Programs → Accessories → Command Prompt**
- In Windows Vista: The **Start icon → All Programs → Accessories → Command Prompt**

  The Start icon looks like 🔵.

    2 Type **ipconfig**

    3 Press **Enter**.

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

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

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

  b The printer may need to be reconfigured for new wireless network settings. For more information, see "Run the wireless setup again" on page 62.

Macintosh users only

1 From the Applications folder, click the **Utilities** folder.

2 Double-click the **Network Utility** application.

3 Type the IP address of the printer in the network address field. For example:

```
10.168.0.101
```

4 Click **Ping**.

5 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.

6 If the printer does not respond, nothing is displayed.

- Your computer might not be connected to the network. See the Mac Help for additional AirPort tips and information, or use Network Diagnostics to help resolve the problem.
- You may need to change the wireless settings for your printer. For more information, see "Run the wireless setup again" on page 62.

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.

Windows users only

1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

2 Click **Wireless Setup Utility**.

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

3 Follow the instructions on the computer screen.

Macintosh users only

1 Open the Safari browser.

2 From the Bookmarks drop-down menu, select **Show All Bookmarks**.

3 Under Collections, select **Bonjour** or **Rendezvous**.

Note: The application is referred to as Rendezvous in Macintosh OS X version 10.3, but is now called Bonjour by Apple Inc.

4 Double-click your printer model.

Note: If your printer is not shown, manually type the printer IP address in the browser address field. For example:

```
http://10.168.0.101
```

5 Click **Configuration**.

6 Click **Wireless**.

7 Change these settings:

   a Enter the name of your network (SSID).

   b For BSS Type, select **Infrastructure** if you are using a wireless router.

   c Select the type of security you use to protect your wireless network.

      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.

8 Click **Submit**.

Photos do not transfer from a memory card across a wireless network

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

Select the printer on your wireless network

Windows users only

If you have more than one printer and use Windows, you must select your wireless network printer.

1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

2 From the list shown, select the printer on your wireless network.

3 Insert the memory card in the printer.

4 From the Welcome Screen, click **Transfer Photos**.

5 Follow the prompts on the screen. For more information, see the "Working with photos" chapter in the *User's Guide*.

Macintosh users only

1 From the Finder desktop, double-click the **Lexmark 3500-4500 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 iPhoto or the Preview application.

7 From the application menu, click **Print**.

Check memory card placement

Make sure you have inserted the memory card in the correct slot.

Check memory card type

Make sure that the type of memory card you are using can be used in the printer.

Check to see if the memory card is damaged

Check 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. The printer will read photos created using the JPEG format. For more information, see the documentation that came with the digital camera.

Changing wireless settings after installation

To change your password, network name, or other wireless setting:

Windows users only

1 Click **Start** ➔ **Programs** or **All Programs** ➔ **Lexmark 3500-4500 Series**.

2 Click **Wireless Setup Utility**.

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

3 Follow the prompts on the computer screen to reinstall the software, and make the changes you want.

Macintosh users only

1 Open the Safari browser.

2 From the Bookmarks drop-down menu, select **Show All Bookmarks**.

3 Under Collections, select **Bonjour** or **Rendezvous**.

Note: The application is referred to as Rendezvous in Macintosh OS X version 10.3, but is now called Bonjour by Apple Inc.

4 Double-click your printer model.

Note: If your printer is not shown, manually type the printer's IP address in the browser address field. for example:

`http://10.168.0.101`

Note: If you do not know the IP address of the printer, print the network setup page to find it.

5 Click **Configuration**.

6 Click **Wireless**.

7 Change these settings:

   a Enter the name of your network (SSID).

   b For BSS Type, select **Infrastructure** if you are using a wireless router.

   c Select the type of security you use to protect your wireless network.

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.

8 Click **Submit**.

Finding your MAC address

In order to complete the network configuration of your printer, you may need the media access control (MAC) address of the printer or 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.
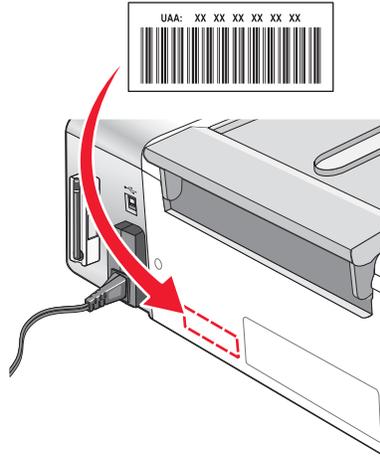
Resetting to factory default settings

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

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

1 Press ⏻ to turn off the printer.

2 Press and hold the **Settings** and **Start Color** buttons at the same time, then press again ⏻ to turn the printer back on.

   Language appears on the display, indicating that the printer has been reset.

3 Press ◀ or ▶ until the language you want appears.

4 Press √.

5 Press ◀ or ▶ until the country or region you want appears.

6 Press √.

Resetting an internal wireless print server to factory default settings

You may need to select a different wireless network during the installation process.

1 Press **Settings**.

2 Press ◀ or ▶ repeatedly until **Network Setup** appears.

3 Press √.

4 Press ◀ or ▶ repeatedly until **Wireless Setup** appears.

5 Press √.

6 Press ◀ or ▶ repeatedly until **Reset Network Adapter to Factory Default** appears.

7 Press √.

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

8 Press ◄ or ► repeatedly until **Yes** appears.

9 Press √.

Clearing wireless settings appears.

Notes:

- It may take 30-60 seconds for the settings to be cleared.
- The Wi-Fi indicator light will turn to orange.

Uninstalling 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 uninstall and reinstall the printer software.

For Windows users:

1 Disable any anti-virus program.

2 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

3 Select **Uninstall**.

4 Follow the instructions on the computer screen to remove the printer software.

5 Restart the computer before reinstalling the printer software.

6 Insert the CD for Windows, and then follow the instructions on the computer screen to reinstall the software.

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

For Macintosh users:

1 Close all open software applications.

2 From the Finder desktop, double-click the **Lexmark 3500-4500 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 for Macintosh.

7 From the Finder desktop, double-click the **Lexmark 3500-4500 Series Installer** icon.

8 Double-click the **Install** icon.

9 Follow the instructions on the computer screen to reinstall the software.

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

1 In all countries or regions except the United States, select your country or region.

2 Click the links for drivers or downloads.

3 Select your printer family.

4 Select your printer model.

5 Select your operating system.

6 Select the file you want to download, and then follow the directions on the computer screen.

Note: If you have multiple printers on your network, make sure you know the MAC address of the printer you are installing. For more information, see "Finding your MAC address" on page 64.

Advanced wireless setup

Adding a printer to an existing ad hoc wireless network

Windows users only

1 Click **Start → Programs** or **All Programs → Lexmark 3500-4500 Series**.

2 Click **Wireless Setup**.

3 Follow the instructions on the computer screen.

Macintosh users only

1 Make sure the computer is on.

2 From the Finder desktop, click the **Applications** folder.

3 From the Applications folder, double-click the **Internet Connect** icon.

4 From the toolbar, click the **AirPort** icon.

5 From the Network pop-up menu, select print server XXXXXX, where XXXXXX is the last six digits of the printer's MAC address.

> **Notes:**
> - The MAC address appears on an adhesive label located on the back of your printer.
> - You will temporarily lose your connection to the Internet while you are connected to "print server XXXXXX" network.

6 Open the Safari browser.

7 From the Bookmarks drop-down menu, select **Show All Bookmarks**.

8 Under Collections, select **Bonjour** or **Rendezvous**.

> **Note:** The application is referred to as Rendezvous in Macintosh OS X version 10.3, but is now called Bonjour by Apple Inc.

9 Double-click your printer model.

> **Note:** If your printer is not shown, manually type the printer IP address in the browser address field. For example:

`http://10.168.0.101`

> **Note:** If you do not know the IP address of the printer, print the network setup page to find it.

10 Click **Configuration**.

11 Click **Wireless**.

12 Change these settings:

    a Enter the name of your network (SSID).

    b For BSS Type:

- Select **Infrastructure** if your wireless network uses a wireless access point (wireless router) to communicate with other wireless devices.
- Select **Ad-hoc** if your wireless network does not use a wireless access point (wireless router) to communicate with other wireless devices.

    c Select the type of security you use to protect your wireless network.

    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.

13 Click **Submit**.

14 From the Applications folder, double-click the **Internet Connect** icon.

15 From the toolbar, click the **AirPort** icon.

16 From the Network pop-up menu, select your original network.

    Notes:

- You may need to enter the password for your wireless network security.
- Your connection to the Internet will be restored when you reconnect to your original network.

Creating an ad hoc wireless network

Lexmark recommends that you set up your wireless network using a wireless access point (wireless router). A network set up this way is called an *infrastructure network* and has:

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

You can also set up a wireless network without a wireless access point (wireless router). This is called an *ad hoc network*.

Windows users only

1 Click:

- In Windows XP: **Start** ➙ **Settings** or **Control Panel** ➙ **Network Connection**
- In Windows Vista: The **Start icon** ➙ **Control Panel** ➙ **Network and Internet** ➙ **Network and Sharing Center**

    The Start icon looks like .

2 Right-click **Wireless Network Connections**.

3 If **Enable** appears in the pop-up menu, click it.

    Note: If Enable does not appear, your wireless connection is already enabled.

4 Right-click the **Wireless Network Connection** icon.

5 Click **Properties**.

6 Click the **Wireless Networks** tab.

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

7 Select the **Use Windows to configure my wireless network settings** check box.

8 Under Preferred Networks, delete any existing networks.

   a Click the network to be removed.

   b Click the **Remove** button.

9 Click **Add** to create an ad hoc network.

10 In the **Network Name (SSID)** box, type the name you want to give your wireless network.

11 Write down the network name you chose so you can refer to it when running the wireless setup. Make sure you copy it down exactly, including capital letters.

12 If **Network Authentication** appears in the list, select **Open**.

13 In the **Data encryption** list, select **WEP**.

14 If necessary, deselect the **The key is provided for me automatically** check box.

15 In the **Network Key** box, type in a security code.

16 Write down the security code you chose so you can refer to it when running the wireless setup. Make sure you copy it down exactly, including any capital letters.

Note: For more information about passwords (security keys), see "Check your security keys" in the "Wireless troubleshooting" section of the "Troubleshooting" chapter.

17 Type the same security code in the **Confirm network key** box.

18 Select the **This is a computer-to-computer (ad hoc) network; wireless access points are not used.** check box.

19 Click **OK** twice to close the two open windows.

20 It may take a few minutes for your computer to recognize the new settings. To check on the status of your network:

   a Right-click the **Wireless Network Connections** icon.

   b Select **View Available Wireless Networks**.

     • If the network is listed but the computer is not connected, select the ad hoc network and then click the **Connect** button.

     • If the network does not appear, wait a minute and then click the **Refresh network list** button.

21 Click **Start** ➔ **Programs** or **All Programs** ➔ **Lexmark 3500-4500 Series**.

22 Click **Wireless Setup Utility**.

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

23 Follow the prompts on the computer screen.

24 Store your network name and security code in a safe place for future reference.

Macintosh users only

1 Make sure the computer is on.

2 From the Finder desktop, click the **Applications** folder.

3 From the Applications folder, double-click the **Internet Connect** icon.

4 From the toolbar, click the **AirPort** icon.

5 From the Network pop-up menu, select print server XXXXXX, where XXXXXX is the last six digits of the printer's MAC address.

   Note: The MAC address appears on an adhesive label located on the back of your printer.

6 Insert the CD for Macintosh to run the wireless setup.

7 From the Finder desktop, double-click the **Lexmark 3500-4500 Series Installer** icon.

8 Double-click the **Install** icon.

9 Click **Continue**.

10 Follow the instructions on the computer screen.

11 Store your network name and security code in a safe place for future reference.

Notices

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If you don't have access to the Internet, you can contact Lexmark by mail:

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Networking glossary

ad hoc mode	A setting for a wireless device that lets it communicate directly with other wireless devices without an access point or router
ad hoc network	A wireless network that does not use an access point
AutoIP address	An IP address automatically assigned by a network device. If the device is set to use DHCP, but no DHCP server is available, an AutoIP address may be assigned by the device.
BSS (Basic Service Set)	Basic Service Set describes the type of wireless network that you are using. The BSS type can be one of the following: Infrastructure network or Ad-Hoc network.
channel	A specific radio frequency used by two or more wireless devices to communicate with each other. All devices on the network must use the same channel.
DHCP (Dynamic Host Configuration Protocol)	A language used by DHCP servers
DHCP IP address	An IP address automatically assigned by a DHCP server
DHCP server	A computer or router that gives a unique IP address to each device on the network. Unique addresses prevent conflicts.
infrastructure mode	A setting for a wireless device that lets it communicate directly with other wireless devices using an access point or router
installation cable	Connects the printer to the computer temporarily during some methods of installation.
internal wireless print server	A device that lets computers and printers talk to each other over a network without cables
IP (Internet Protocol) address	The network address of a computer or printer. Each device on the network has its own network address. The address may be assigned manually by you (Static IP address), automatically by the DHCP server (DHCP IP address), or automatically by the device (AutoIP address).
ipconfig	A command that displays the IP address and other network information of a Windows computer
MAC (Media Access Control) address	A hardware address that uniquely identifies each device on a network. You can usually find the MAC address printed on the device.
MAC filtering	A method of limiting access to your wireless network by specifying which MAC addresses may communicate on the network. This setting may be specified on wireless routers or access points.
network adapter/card	A device that lets computers or printers talk to each other over a network
network hub	A device that connects multiple devices on a wired network
network name	See "SSID (Service Set Identifier)" on page 73
ping	A test to see if your computer can communicate with another device
printer nickname	The name you assign to your printer so that you and others can identify it on the network
router	A device that shares a single Internet connection with multiple computers or other devices. The basic router controls network traffic.
security key	A password, such as a WEP key or a WPA pass phrase, used to make a network secure
signal strength	Measure of how strongly a transmitted signal is being received
SSID (Service Set Identifier)	The name of a wireless network. When you connect a printer to a wireless network, the printer needs to use the same SSID as the network. Also referred to as network name or BSS (Basic Service Set).
Static IP address	An IP address assigned manually by you
switch	A device similar to a network hub that can connect different networks together

UAA (Universally Administered Address)	An address assigned to a network printer or print server by the manufacturer. To find the UAA, print a network setup page and look for the UAA listing.
USB cable	A lightweight, flexible cable that lets the printer communicate with the computer at much higher speeds than parallel cables
USB port	A small, rectangular port on the back of the computer that connects the peripheral devices using a USB cable, and lets them communicate at high speeds
WEP (Wired Equivalent Privacy)	A security setting that helps prevent unauthorized access to a wireless network. Other possible security settings are WPA and WPA2.
wireless access point	A device that connects wireless devices together to form a wireless network
wireless router	A router that also serves as a wireless access point
Wi-Fi	An industry term that describes the technology used to create an interoperable wireless local area network (WLAN).
WPA (Wi-Fi Protected Access)	A security setting that helps prevent unauthorized access to a wireless network. WPA is not supported on ad hoc wireless networks. Other possible security settings are WEP and WPA2.
WPA2	A newer version of WPA. Older routers are less likely to support this. Other possible security settings are WPA and WEP.