LEXMARK™

Lexmark 5400 Series All-In-One

User Guide

Contents

Printing

Getting started

Loading paper

1 Make sure:

- You use paper designed for inkjet printers.
- If you are using photo, glossy, or heavyweight matte paper, you load it with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- The paper is not used or damaged.
- If you are using specialty paper, you follow the instructions that came with it.
- You do not force paper into the printer.

2 Before loading paper the first time, slide the paper guides out toward the edges of the paper support.

3 Load the paper vertically in the center of the paper support, and adjust the paper guides to rest against the edges of the paper.

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

Related topics:

- "Loading various paper types" on page 5

Loading various paper types

Load up to	Make sure
100 sheets of plain paper	- The paper is designed for use with inkjet printers. - The paper is loaded in the center of the paper support. - The paper guides rest against the edges of the paper.
50 sheets of heavyweight matte paper 25 sheets of photo paper 25 sheets of glossy paper	- The glossy or printable side of the paper faces you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) - The paper is loaded in the center of the paper support. - The paper guides rest against the edges of the paper. **Note:** Photos require more drying time. Remove each photo as it exits, and allow it to dry to avoid ink smudging.

Load up to	Make sure
10 envelopes	• The print side of the envelopes faces you. • The stamp location is in the upper left corner. • The envelopes are designed for use with inkjet printers. • The envelopes are loaded in the center of the paper support. • The paper guides rest against the edges of the envelopes. **Warning—Potential Damage:** Do not use envelopes that have metal clasps, string ties, or metal folding bars. **Notes:** – Do not load envelopes with holes, perforations, cutouts, or deep embossing. – Do not use envelopes that have exposed flap adhesive. – Envelopes require more drying time. Remove each envelope as it exits, and allow it to dry to avoid ink smudging.
25 sheets of labels	• The print side of the labels faces you. • The top of the labels feeds into the printer first. • The adhesive on the labels does not extend to within 1 mm of the edge of the label. • You use full label sheets. Partial sheets (with areas exposed by missing labels) may cause labels to peel off during printing, resulting in a paper jam. • The labels are loaded in the center of the paper support. • The paper guides rest against the edges of the labels. **Note:** Labels require more drying time. Remove each sheet of labels as it exits, and allow it to dry to avoid ink smudging.
50 transparencies	• The rough side of the transparencies faces you. • If the transparencies have a removable strip, each strip faces away from you and down toward the printer. • The transparencies are loaded in the center of the paper support. • The paper guides rest against the edges of the transparencies. **Notes:** • Transparencies with paper backing sheets are not recommended. • Transparencies require more drying time. Remove each transparency as it exits, and allow it to dry to avoid ink smudging.
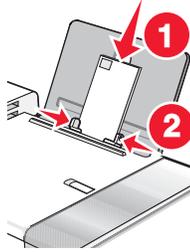
Load up to	Make sure
10 iron-on transfers	- You follow the loading instructions that came with the iron-on transfers. - The print side of the transfers faces you. - The transfers are loaded in the center of the paper support. - The paper guides rest against the edges of the transfers. **Note:** For best results, load transfers one at a time.
25 greeting cards 25 index cards 25 photo cards 25 postcards	- The print side of the cards faces you. - The cards are loaded in the center of the paper support. - The paper guides rest against the edges of the cards. **Note:** Photo cards require more drying time. Remove each photo card as it exits, and allow it to dry to avoid ink smudging.
100 sheets of custom-size paper	- The print side of the paper faces you. - The paper size fits within these dimensions: Width: 76.2–215.9 mm 3.0–8.5 inches Length: 127.0–355.6 mm 5.0–14.0 inches - The paper is loaded in the center of the paper support. - The paper guides rest against the edges of the paper.

Load up to	Make sure
20 sheets of banner paper	 • You remove all the paper from the paper support before loading the banner paper. • You tear off only the number of pages needed to print the banner. • You place the required stack of banner paper on the top cover. • The leading edge of the banner paper feeds into the printer first. • The paper is loaded in the center of the paper support. • The paper guides rest against the edges of the paper. • You have selected the correct paper size for the banner in Page Setup dialog. For more information, see "Printing a banner" on page 12.
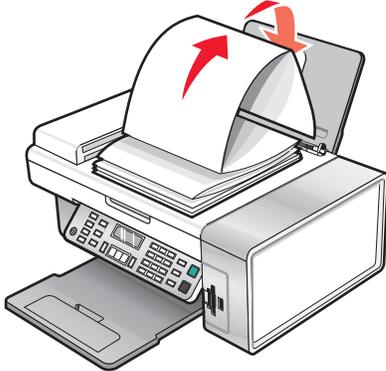
Related topics:

- "Loading paper" on page 5

Performing printing and related tasks

Printing a document

1 Load paper.

2 With a document open, click **File** ➙ **Print**.

3 From the "Format for" menu, choose your printer.

4 From the third pop-up menu from the top, select the settings you want to adjust, and adjust the settings.

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

5 Click **Print**.

Related topics:

- "Loading paper" on page 5
- "Using the Print dialog" on page 101

Printing photos using the computer

1 Load photo paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

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

  a With a photo open, choose **File ➡ Page Setup**.

  b From the "Format for" pop-up menu, choose **5400 Series**.

  c From the Paper Size pop-up menu, choose the paper size loaded.

  d Choose an orientation.

  e Click **OK**.

3 Customize the settings as needed in the Print dialog.

  a With a photo open, choose **File ➡ Print**.

  b From the Printer pop-up menu, choose **5400 Series**.

  c For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.

  d From the Copies & Pages pop-up menu, type the number of copies to be printed.

  e From the same pop-up menu, choose **Quality & Media**.

   • From the Paper Type pop-up menu, choose the type of paper you are using.

   • From the Print Quality area, choose **Automatic** or **Photo**.

  f Click **Print**.

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

Related topics:

 • "Enhancing photo print quality using the software" on page 84

Printing borderless photos

From your software application, set the page margins to zero, and then adjust the image on the screen so that it covers the entire page.

Note: Some applications do not support margin setting.

1 Load photo or glossy paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

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

  a With a photo open, choose **File ➡ Page Setup**.

  b From the "Format for" pop-up menu, choose **5400 Series**.

  c From the Paper Size pop-up menu, choose the paper size loaded.

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

d Choose an orientation.

e Click **OK**.

3 Customize the settings as needed in the Print dialog.

   a With a photo open, choose **File ➜ Print**.

   b From the Printer pop-up menu, choose **5400 Series**.

   c For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.

   d From the Copies & Pages pop-up menu, type the number of copies to be printed.

   e From the same pop-up menu, choose **Quality & Media**.

   - From the Paper Type pop-up menu, choose the type of paper you are using.
   - From the Print Quality area, choose **Automatic** or **Photo**.

   f Click **Print**.

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

Related topics:

- "Enhancing photo print quality using the software" on page 84

Printing cards

1 Load greeting cards, index cards, or postcards.

   Notes:

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

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

   a With a document open, click **File ➜ Page Setup**.

   b From the "Format for" pop-up menu, choose **5400 Series**.

   c From the Paper Size pop-up menu, choose a card size.

   d Choose an orientation.

   e Click **OK**.

3 Customize the settings as needed in the Print dialog.

   a From the software application, click **File ➜ Print**.

   b From the Printer pop-up menu, choose **5400 Series**.

   c Click **Print**.

Notes:

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

Related topics:

- "Loading various paper types" on page 5

Printing envelopes

1 Load envelopes. For more information, see "Loading various paper types" on page 5.

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

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

>**a** With a document open, click **File ➙ Page Setup**.
>
>**b** From the "Format for" pop-up menu, choose **5400 Series**.
>
>**c** From the Paper Size pop-up menu, choose the envelope size loaded.
>
>**d** Choose an orientation.
>
>>**Notes:**
>>
>>   - Most envelopes use landscape orientation.
>>   - Make sure the same orientation is also selected in the software application.
>
>**e** Click **OK**.

3 Customize the settings as needed in the Print dialog.

>**a** From the software application, click **File ➙ Print**.
>
>**b** From the Printer pop-up menu, choose **5400 Series**.
>
>**c** Click **Print**.

Related topics:

   - "Loading various paper types" on page 5

Printing iron-on transfers

1 Load iron-on transfers. For more information, see "Loading various paper types" on page 5.

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

>**a** With a document open, click **File ➙ Page Setup**.
>
>**b** From the "Format for" pop-up menu, choose **5400 Series**.
>
>**c** From the Settings pop-up menu, choose **Page Attributes**.
>
>**d** Choose a paper size.
>
>**e** Choose an orientation.
>
>**f** Click **OK**.

3 Customize the settings as needed in the Print dialog.

>**a** From the software application, click **File ➙ Print**.
>
>**b** From the Printer pop-up menu, choose **5400 Series**.
>
>**c** From the pop-up menu in the center, choose **Quality & Media**.

d From the Paper Type pop-up menu, choose **Iron-On Transfer**.

> **Note:** Choosing Iron-On Transfer automatically mirrors the image you want to print.

e Select a print quality other than Quick Print. **Photo** is recommended.

4 Click **Print**.

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

Related topics:
- "Using the Page Setup dialog" on page 100
- "Using the Print dialog" on page 101

Printing a banner

1 Remove all paper from the paper support.

2 Tear off only the number of pages needed for the banner (up to 20 sheets).

3 Place the required stack of banner paper on the top cover.

4 Load only the first page of banner paper into the paper support with the leading edge of the banner going into the printer.
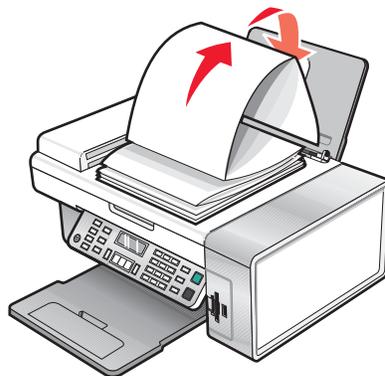
5 Adjust the left and right paper guides.

6 Customize the settings in the Page Setup dialog.

  a With your document open, choose **File ➞ Page Setup**.

  b From the Settings pop-up menu, choose **Page Attributes**.

  c From the "Format for" pop-up menu, choose the printer.

  d From the Paper Size pop-up menu, choose **A4 Banner** or **US Letter Banner**.

  e Select an orientation.

  f Click **OK**.

7 Customize the settings in the Print dialog.

  a With your document open, choose **File ➞ Print**.

  b From the Printer pop-up menu, choose the printer.

c From the third pop-up menu from the top, choose **Quality & Media**.

- From the Paper Type pop-up menu, choose **Plain.**
- Select a print quality.

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

d Click **OK**.

Related topics:

- "Using the Print dialog" on page 101
- "Loading various paper types" on page 5

Printing multiple pages on one sheet

1 Load paper.

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

- **a** With a document open, choose **File ➡ Page Setup**.
- **b** From the "Format for" pop-up menu, choose **5400 Series**.
- **c** From the Settings pop-up menu, choose **Page Attributes**.
- **d** Choose a paper size.
- **e** Choose an orientation.
- **f** Click **OK**.

3 Customize the settings as needed in the Print dialog.

- **a** With a document open, click **File ➡ Print**.
- **b** From the Printer pop-up menu, choose **5400 Series**.
- **c** From the third pop-up menu from the top, choose **Layout**.
  - From the Pages per Sheet pop-up menu, choose the number of pages you want to print on one sheet.
  - From the Layout Direction area, click the icon that shows the order you want the pages to print on one sheet.
  - If you want to print a border around each page image, choose an option from the Border pop-up menu.
- **d** Click **Print**.

Related topics:

- "Loading paper" on page 5

Printing color images in black and white

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

1 Load paper.

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

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

4 From the Printer pop-up menu, choose **5400 Series**.

5 From the pop-up menu in the center, choose **Color Options**.

6 From the Document Color pop-up menu, choose **Black Only**.

7 Click **Print**.

Related topics:

- "Loading paper" on page 5

Printing multiple copies of a stored document

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

2 From the Printer pop-up menu, choose **5400 Series**.

3 From the third pop-up menu, choose **Copies & Pages**.

4 Enter the number of copies you want to print.

Related topics:

- "Using the Print dialog" on page 101

Printing the last page first (reverse page order)

For Mac OS X version 10.4.2 or later:

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

2 From the third pop-up menu, choose **Paper Handling**.

3 From the Page Order menu, select **Reverse**.

4 Click **Print**.

For Mac OS X version 10.3.9:

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

2 From the third pop-up menu, choose **Paper Handling**.

3 Select **Reverse page order**.

4 Click **Print**.

Related topics:

- "Using the Print dialog" on page 101

Managing print jobs

Pausing print jobs

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

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

3 Click the **Hold** icon.

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

Related topics:
- "Using the Print dialog" on page 101
- "Resuming print jobs" on page 15
- "Canceling a print job" on page 15

Canceling a print job

To cancel a print job using the control panel:

1 Press ✖.

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

2 Press ⏻ to turn off the printer.

To cancel a print job using the computer:

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

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

3 Click the **Delete** icon.

Related topics:
- "Using the control panel" on page 90
- "Pausing print jobs" on page 14

Resuming print jobs

1 From the Finder desktop, choose **Applications** ➞ **Utilities** ➞ **Print Center/Printer Setup Utility**.

2 From the list of printers, double-click your printer.

3 From the printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in the queue; if you want to resume a particular print job, select the document name, and then click **Resume**.

Related topics:
- "Pausing print jobs" on page 14
- "Canceling a print job" on page 15

Learning about the All-In-One software print options

Choosing a paper size

1 With a document open, click **File ➜ Page Setup**.

2 From the "Format for" pop-up menu, choose **5400 Series**.

   Note: When you select Any Printer, your paper size choices are limited. By selecting the name of your printer, you have many more paper size options.

3 From the Paper Size pop-up menu, choose a paper size.

4 Click **OK**.

Related topics:
- "Using the Page Setup dialog" on page 100

Choosing a paper type

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

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

2 From the Copies & Pages pop-up menu, choose **Quality & Media**.

3 From the Paper Type pop-up menu, choose a paper type.

4 Click **Print**.

Notes:

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

Related topics:
- "Using the Print dialog" on page 101

Choosing a print quality

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

2 From the Printer pop-up menu, choose **5400 Series**.

3 From the pop-up menu in the center, choose **Quality & Media**.

4 From the Print Quality menu, select the appropriate print quality for the document:
- **Automatic**—The printer sets the print quality for the paper type loaded (default setting).
- **Quick Print**—Best for text-only documents with reduced print quality but faster print speed.
- **Normal**—Recommended for most types of documents.
- **Photo**—Recommended for photos and documents with graphics.

5 Click **Print**.

Related topics:

- "Using the Print dialog" on page 101

Collating copies using the computer

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

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

2 Enter the number of copies to print in the Copies field.

3 Choose **Collated**.

Related topics:

- "Collating copies" on page 24
- "Using the Print dialog" on page 101

Enlarging or reducing an image

1 Load paper.

  Note: If you are copying photos, use photo or heavyweight matte paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)

2 Load an original document facedown into the ADF or on the scanner glass.

  Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

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

4 Press ▤.

5 Press ◀ or ▶ repeatedly until `Resize` appears.

6 Press √.

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

  Note: To select Custom Resize, press √ and use the keypad to enter a custom size.

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

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21
- "Using the control panel" on page 90

Sharpening an image

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 From the Scan dialog, click ⚙ to open the Scan Setup drawer.

5 Click the **Adjustments** tab.

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

Related topics:

- "Customizing scan settings from the Scan dialog" on page 39
- "Enhancing photo print quality using the software" on page 84

Resetting All-In-One software settings to defaults

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 Click ⚙ to open the Scan Setup drawer.

5 Select the **Adjustments** tab.

6 Click **Defaults**.

Related topics:

- "Using the All-In-One Center" on page 105
- "Customizing scan settings from the Scan dialog" on page 39
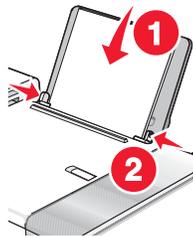
Copying

Getting started

Loading paper

1 Make sure:

- You use paper designed for inkjet printers.
- If you are using photo, glossy, or heavyweight matte paper, you load it with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)
- The paper is not used or damaged.
- If you are using specialty paper, you follow the instructions that came with it.
- You do not force paper into the printer.

2 Before loading paper the first time, slide the paper guides out toward the edges of the paper support.

3 Load the paper vertically in the center of the paper support, and adjust the paper guides to rest against the edges of the paper.

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

Related topics:

- "Loading various paper types" on page 5

Loading original documents on the scanner glass

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

Note: Place postcards, photos, small items, transparencies, photo paper, or thin items (such as magazine clippings) on the scanner glass instead of in the ADF.

1 Make sure the computer and the printer are on.

2 Open the top cover.

3 Place the original document or item facedown on the scanner glass in the upper left corner.

   Note: Photos should be loaded as shown.

4 Close the top cover to avoid dark edges on the scanned image.

Copying

Related topics:

- "Understanding the parts of the printer" on page 88
- "Loading original documents into the Automatic Document Feeder" on page 21

Loading original documents into the Automatic Document Feeder

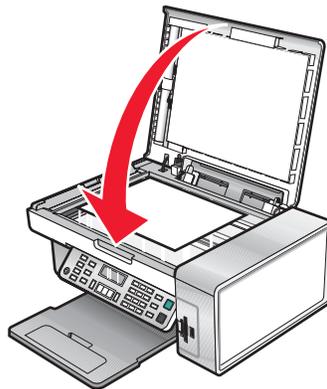You can load up to 10 sheets of an original document into the Automatic Document Feeder (ADF) for scanning, copying, and faxing. You can load A4, letter, or legal-size paper into the ADF.

Notes:

- Use only new, unwrinkled paper that is not curled.
- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

1 If you are using A4 or letter-size paper, pull up the ADF paper stop.

2 Adjust the paper guide on the ADF tray to the width of the original document.

3 Fan the original document.

4 Load the original document facedown and top edge first into the ADF until you hear a *beep*.

Document Loaded appears on the display, and the document feeds into the ADF.

Note: Preview is not supported when using the Automatic Document Feeder. You can preview one page at a time when using the scanner.

Automatic Document Feeder paper capacity

Load up to	Make sure
10 sheets of: • Letter-size paper • A4 paper • Legal-size paper	• You adjust the paper guide on the ADF tray to the width of the original document. • The original document is loaded facedown, top edge first, until you hear a *beep*.

10 sheets of:
• Custom paper
• Pre-punched paper
• Reinforced edge copier paper
• Preprinted forms
• Letterhead paper
	• You adjust the paper guide on the ADF tray to the width of the original document.
	• The original document is loaded facedown, top edge first, until you hear a *beep*.
	• The paper size fits within these dimensions:
	Width:
	   – 210.0 mm–215.9 mm
	   – 8.25 in.–8.5 in.
	Length:
	   – 279.4 mm–355.6 mm
	   – 11.0 in.–14.0 in.
	• You allow preprinted media to dry thoroughly before loading into the ADF.
	• You do *not* use media printed with metallic ink particles.
	• You avoid embossed designs.

Related topics:

- "Understanding the parts of the printer" on page 88
- "Loading original documents on the scanner glass" on page 20

Performing copying and related tasks

Making a copy

1 Load paper.

2 Load an original document facedown into the ADF or on the scanner glass.

   Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

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

4 Press **Start Color** or **Start Black**.

Related topics:

- "Using the control panel" on page 90
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Copying photos

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

2 Place a photo facedown on the scanner glass in the upper left corner. For more information, see "Loading original documents on the scanner glass" on page 20.

3 If necessary, press **Copy Mode**.

4 Press ▤.

5 Press ◀ or ▶ repeatedly until **Quality** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Photo** appears.

8 Press √.

9 Press ◀ or ▶ repeatedly until **Paper Size** appears.

10 Press √.

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

12 Press √.

13 Press ◀ or ▶ repeatedly until **Original Size** appears.

14 Press √.

15 Press ◀ or ▶ repeatedly until the size you want appears.
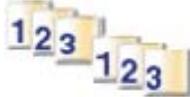
16 Press **Start Color** or **Start Black**.

Related topics:

- "Using the control panel" on page 90

Collating copies

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

Collated   **Not collated**

1 Load paper.

2 Load an original document facedown into the ADF or on the scanner glass.

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

4 Press ▤.

5 Press ◀ or ▶ repeatedly until `Collate` appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until the number of copies you want to print appears.

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

> **Note:** If you are using the scanner glass, a message appears prompting you for additional pages.

Related topics:

- "Making a copy" on page 23
- "Collating copies using the computer" on page 17
- "Using the control panel" on page 90

Collating copies using the computer

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

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

2 Enter the number of copies to print in the Copies field.

3 Choose **Collated**.

Related topics:

- "Collating copies" on page 24
- "Using the Print dialog" on page 101

Repeating an image on one page

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

1 Load paper.

> **Note:** If you are copying photos, use photo or heavyweight matte paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)

2 Load an original document facedown on the scanner glass.

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

4 Press ▤.

5 Press ◀ or ▶ repeatedly until `Repeat Image` appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until the number of images you want to print on one page appears.

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

Related topics:

- "Loading paper" on page 5
- "Loading original documents on the scanner glass" on page 20

Enlarging or reducing an image

1 Load paper.

> **Note:** If you are copying photos, use photo or heavyweight matte paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)

2 Load an original document facedown into the ADF or on the scanner glass.

> **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

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

4 Press ▤.

5 Press ◀ or ▶ repeatedly until `Resize` appears.

6 Press √.

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

> **Note:** To select Custom Resize, press √ and use the keypad to enter a custom size.

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

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21
- "Using the control panel" on page 90

Managing copy jobs

Canceling a copy job

1 Press ✖.

   Scanning stops and the scanner bar returns to its home position.

2 Press ⏻ to turn off the printer.

Related topics:

- "Using the control panel" on page 90

Scanning

Getting started

Loading original documents on the scanner glass

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

Note: Place postcards, photos, small items, transparencies, photo paper, or thin items (such as magazine clippings) on the scanner glass instead of in the ADF.

1 Make sure the computer and the printer are on.

2 Open the top cover.

3 Place the original document or item facedown on the scanner glass in the upper left corner.

Note: Photos should be loaded as shown.

4 Close the top cover to avoid dark edges on the scanned image.

Related topics:

- "Understanding the parts of the printer" on page 88
- "Loading original documents into the Automatic Document Feeder" on page 21

Loading original documents into the Automatic Document Feeder

You can load up to 10 sheets of an original document into the Automatic Document Feeder (ADF) for scanning, copying, and faxing. You can load A4, letter, or legal-size paper into the ADF.

Notes:

- Use only new, unwrinkled paper that is not curled.
- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

1 If you are using A4 or letter-size paper, pull up the ADF paper stop.

2 Adjust the paper guide on the ADF tray to the width of the original document.

3 Fan the original document.

4 Load the original document facedown and top edge first into the ADF until you hear a *beep*.

`Document Loaded` appears on the display, and the document feeds into the ADF.

Note: Preview is not supported when using the Automatic Document Feeder. You can preview one page at a time when using the scanner.

Automatic Document Feeder paper capacity

Load up to	Make sure
10 sheets of: • Letter-size paper • A4 paper • Legal-size paper	• You adjust the paper guide on the ADF tray to the width of the original document. • The original document is loaded facedown, top edge first, until you hear a *beep*.

10 sheets of:
• Custom paper
• Pre-punched paper
• Reinforced edge copier paper
• Preprinted forms
• Letterhead paper
	• You adjust the paper guide on the ADF tray to the width of the original document.
	• The original document is loaded facedown, top edge first, until you hear a *beep*.
	• The paper size fits within these dimensions:
	Width:
	  – 210.0 mm–215.9 mm
	  – 8.25 in.–8.5 in.
	Length:
	  – 279.4 mm–355.6 mm
	  – 11.0 in.–14.0 in.
	• You allow preprinted media to dry thoroughly before loading into the ADF.
	• You do *not* use media printed with metallic ink particles.
	• You avoid embossed designs.

Related topics:
- "Understanding the parts of the printer" on page 88
- "Loading original documents on the scanner glass" on page 20

Performing scanning and related tasks

Scanning a document

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

2 Load an original document facedown into the ADF or on the scanner glass.

3 Press **Scan Mode**.

4 Press ◄ or ► repeatedly until the destination to which you want to scan appears.

5 Press **Start Color** or **Start Black**.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21
- "Using the control panel" on page 90

Scanning images for editing

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

2 Load an original image facedown on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "What is being scanned?" menu, choose **Photo** or **Magazine or Newspaper**.

6 From the "How will the scanned image be used?" pop-up menu, choose **To be printed** or **To be viewed on monitor/Web page**.

7 From the "Send scanned image to" pop-up menu, choose a destination folder or application for your scanned photo.

8 Select **Prompt for multiple pages** if you have several photos to scan.

9 Click **Preview/Edit** to open the Scan dialog and adjust settings.

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

From the Adjustments tab, you can customize the settings as needed.

10 Crop photos, if needed. For more information, see "Cropping photos using the software" on page 38.

11 Click ▷.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning a text-only document

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

2 Load an original document facedown into the ADF or on the scanner glass.

> **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "What is being scanned?" pop-up menu, choose **Black Text**.

6 Adjust the settings as needed.

7 Click **Scan**.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning a text and graphics document

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

2 Load an original document facedown into the ADF or on the scanner glass.

> **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "What is being scanned?" pop-up menu, choose **Mixed Graphics and Text**.

6 Adjust the settings as needed.

7 Click **Scan**.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning an item for Web page viewing

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

2 Load an original document facedown into the ADF or on the scanner glass.

> **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "How will the scanned image be used?" pop-up menu, choose **To be viewed on monitor/web page**.

6 Adjust the settings as needed.

7 Click **Scan**.

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning a portion of an image

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

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

2 Load an original document or image facedown on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 Click **Preview/Edit**.

6 Click inside the document or image in the preview area.

7 Drag the nodes on the crop area to select the part of the image that you want to scan.

   Note: Drag the nodes on the dashed border to expand or minimize the crop area.

8 Click .

9 Click . Only the designated cropped area is saved or sent to an application.

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning multiple pages or images

Scanning multiple pages using the Automatic Document Feeder

1 Load an original document facedown into the Automatic Document Feeder (ADF).

>   **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Lexmark 5400 Series Center** icon.

4 Select **Prompt for multiple pages**.

5 Click **Scan**.

6 In the Save dialog, enter a file name for your scan job.

7 From the Where pop-up menu, choose a destination for the scanned items.

8 From the Format pop-up menu, choose a file type.

9 Click **Save**.

Scanning automatically stops when all pages on the ADF are scanned.

Notes:

- You can also select **Prompt to name each page** if you want to save each scanned item under a different file name. Otherwise, scanned items will be given the file name you specified and numbered accordingly.
- When a scan job is saved as a PDF, the Save dialog will only prompt once. All scanned pages are saved to only one file since PDF supports multiple-page scanning.
- Preview is not supported when using the Automatic Document Feeder. You can preview one page at a time when using the scanner.
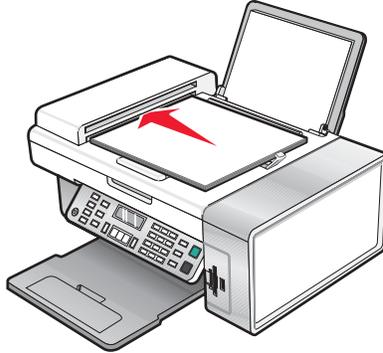
Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning multiple pages using the scanner glass

1 Load an original document facedown on the scanner glass.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Lexmark 5400 Series Center** icon.

4 Select **Prompt for multiple pages**.

5 Click **Scan**.

6 In the Save dialog, enter a filename for your scan job.

7 From the Where pop-up menu, choose a destination for the scanned items.

8 From the Format pop-up menu, choose a file type.

9 Click **Save**.

10 When prompted, place the next item on the scanner glass, and then click **Scan** on the dialog. Continue this for every original document you want to scan.

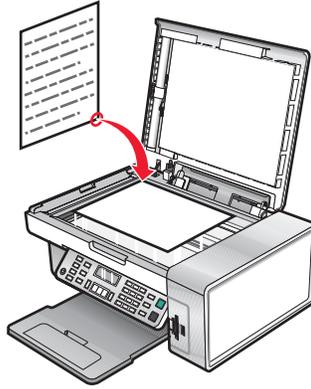**11** Click **Done** when you are finished scanning all items.

Notes:

- You can also select **Prompt to name each page** if you want to save each scanned item under a different filename. Otherwise, scanned items will be given the filename you specified and numbered accordingly.

- When a scan job is saved as a PDF, the Save dialog will only prompt once. All scanned pages are saved to only one file since PDF supports multiple-page scanning.

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning clear images from magazines or newspapers

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

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

2 Load an original document facedown on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "What is being scanned?" menu, select **Magazine or Newspaper**.

6 Click **Preview/Edit**.

7 Click to open the Scan Setup drawer.

8 From the Descreen pop-up menu on the Settings tab, choose **Magazine** or **Newspaper**.

9 Click .

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning text for editing

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

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

1 Load an original document facedown into the ADF or on the scanner glass.

> **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Lexmark 5400 Series Center** icon.

4 From the "What is being scanned?" menu, select a document type other than Photo.

5 From the "How will the scanned image be used?" pop-up menu, choose **To be edited (OCR)**.

6 From the "Send scanned image to" menu, choose a word-processing application to use for editing.

7 Click **Scan**.

8 Open the scanned document from the word-processing application for previewing and editing.

9 Edit and save the document.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning documents or images for e-mailing

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

1 Load an original document facedown into the ADF or on the scanner glass.

> **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Lexmark 5400 Series Center** icon.

4 From the "What is being scanned?" menu, select a document type other than Photo.

5 From the "How will the scanned image be used?" menu, choose **To be viewed on monitor/web page**.

6 From the "Send scanned image to" menu, choose an application.

7 Click **Scan**.

8 Retrieve the scanned image from the application and send it through e-mail as an attachment.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Saving a scanned image

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

2 Load an original document facedown into the ADF or on the scanner glass.

   Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "Send scanned images to" pop-up menu, choose the application where you want to save the scanned image.

6 Adjust the settings as needed.

7 Click **Scan**. The scanned image opens in the specified application.

8 From the software application, click **File ➡ Save As**.

9 Enter the file name, format, and location where you want the scanned image to be saved.

10 Click **Save**.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Managing scan jobs

Canceling a scan job

To cancel a scan using the control panel:

1 Press ✖.

   Scanning stops and the scanner bar returns to its home position.

2 Press ⏻ to turn off the printer.

To cancel a scan using the software:

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

3 From the Progress dialog, click **Cancel**.

Related topics:
- "Using the control panel" on page 90

Learning about the All-In-One Center scan options

Adjusting the brightness of an image

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 Click ⚙ to open the Scan Setup drawer.

5 Select the **Adjustments** tab.

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

Related topics:
- "Customizing scan settings from the Scan dialog" on page 39
- "Adjusting color settings when scanning" on page 37

Adjusting color settings when scanning

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

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 From the Scan dialog, click ⚙ to open the Scan Setup drawer.

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

6 From the Adjustments tab:
- Adjust the brightness, contrast, and gamma (color correction curve). Move the sliders to adjust the levels.
- Sharpen the image. Move the slider to adjust sharpness of your image.

- Invert colors. Select **Invert Colors** to reverse the colors of your image. The effect is similar to that of a film negative.

Related topics:
- "Customizing scan settings from the Scan dialog" on page 39
- "Adjusting the brightness of an image" on page 37

Choosing where to send scanned images

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

3 From the "Send scanned image to" pop-up menu, choose the scan destination.
- **File**—Saves the scanned image as a file to open later.
- **Clipboard**—Saves the scanned image to the Clipboard so you can paste it into another document. Large scans may not fit the Clipboard.

    Note: Scanning at a high resolution to the Clipboard uses a large amount of system memory and drastically affects system performance.
- **An application**—Opens the scanned image in the specified application.

Related topics:
- "Saving a scanned image" on page 36
- "Using the All-In-One Center" on page 105

Cropping photos using the software

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

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

3 From the All-in-One Center dialog, click **Preview/Edit**.

4 Select **Auto-crop sensitivity**.

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

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

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

   a Use any of these methods to make adjustments:
   - Move the slider.

        Note: The slider adjusts the file size, width, and height of the image. If the dashed border seems to disappear, the crop area is set beyond the size of the image.
   - Click and drag the nodes to expand or minimize the crop area.
   - Click and drag the crop area to a part of the image you want copied.

Note: These actions will deactivate Auto-crop sensitivity.

   **b** Click ⟲ to preview the image.

c Click ▷ to scan the image.

Related topics:

- "Using the All-In-One Center" on page 105

Customizing scan settings from the Scan dialog

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

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 Click ⚙ to open the Scan Setup drawer and change the settings as needed.
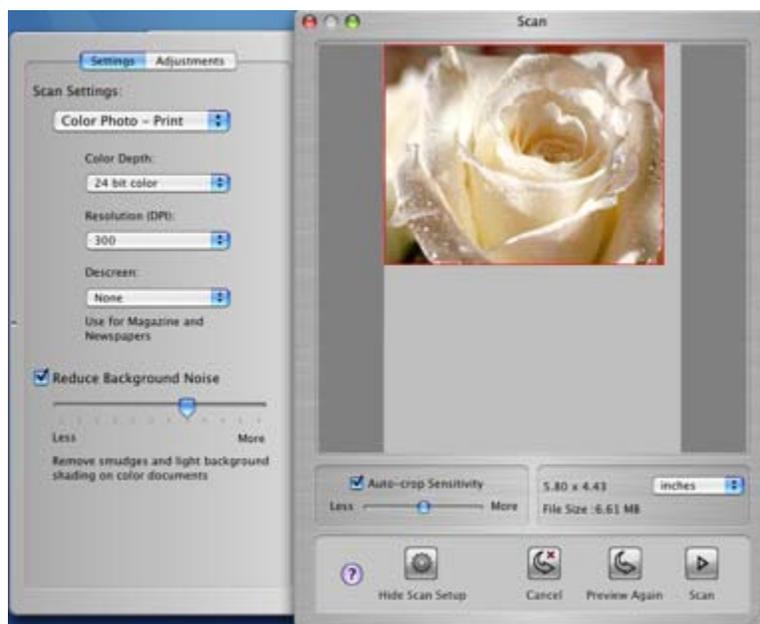
The Scan dialog has three main sections: the Settings tab, the Adjustments tab, and the Preview area.

From here	Go to	To
Settings tab	Scan Settings	Select a preset scan setting according to the color and document type of your scan.
	Custom Settings	Customize the scan setting manually instead of using a preset scan setting. Adjust the amount of color you want in the scanned image, choose a resolution, and descreen the scanned image.
	Reduce Background Noise	Remove smudges and light background shading in color documents.

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

These buttons are at the bottom of the Preview area:

Click	To
?	Go to the Help Center for more information.
⚙	Show or hide the Scan Setup drawer.
⟲×	Exit the current dialog without saving any changes.
⟲	Refresh the image in the Preview area.
▷	Start scanning.

Related topics:

- "Using the All-In-One Center" on page 105

Editing the Customize list

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

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

3 From the "Send scanned image to" pop-up menu, scroll down to the bottom of the list, and choose **Customize list**. The Customize list dialog appears, showing all available applications.

To add an application to the list:

1 Click **+**.

2 Click **Browse** to navigate through the list of applications available on the computer. Click the application that you want to add to the Available Applications list.

3 Click **OK**.

4 From the File Type pop-up menu, choose the type of file you want to send to your chosen application.

5 Edit the display name if desired. This is the name that will appear in the "Send scanned image to" pop-up menu.

6 Click **OK**.

To remove an application from the list:

1 From the list of applications, choose the application you want to remove.

2 Click **-**.

3 If you are sure, click **OK** when prompted. Otherwise, click **Cancel**.

To modify an application in the list:

1 From the list of applications, choose the application you want to modify.

2 Click **Edit**.

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

Sharpening an image

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 From the Scan dialog, click 🔘 to open the Scan Setup drawer.

5 Click the **Adjustments** tab.

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

Related topics:
- "Customizing scan settings from the Scan dialog" on page 39
- "Enhancing photo print quality using the software" on page 84

Resetting All-In-One software settings to defaults

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 Click 🔘 to open the Scan Setup drawer.

5 Select the **Adjustments** tab.

6 Click **Defaults**.

Related topics:

- "Using the All-In-One Center" on page 105
- "Customizing scan settings from the Scan dialog" on page 39

Faxing

Getting started

Getting the printer ready to fax

Choosing a fax connection

You can connect the printer with equipment such as a telephone, an answering machine, or a computer modem. If problems occur, see "Setup troubleshooting" on page 121.

Note: The printer is an analog device that works best when directly connected to the wall jack. Other devices (such as a telephone or answering machine) can be successfully attached to pass through the printer, as described in the setup steps. If you want a digital connection such as ISDN, DSL, or ADSL, a third-party device (such as a DSL filter) is required.

You *do not* need to attach the printer to a computer, but you *do* need to connect it to a telephone line to send and receive faxes.

You can connect the printer to other equipment. See the following table to determine the best way to set up the printer.

Equipment	Benefits	See this section
• The printer • A telephone cord	Send and receive faxes without using a computer.	"Connecting directly to a telephone wall jack" on page 46
• The printer • A telephone • Two telephone cords	• Use the fax line as a normal telephone line. • Send and receive faxes without using a computer.	"Connecting to a telephone" on page 47
• The printer • A telephone • An answering machine • Three telephone cords	Receive both incoming voice messages and faxes.	"Connecting to an answering machine" on page 48
• The printer • A telephone • A computer modem • Three telephone cords	Send faxes using the computer or the printer.	"Connecting to a computer with a modem" on page 49

Related topics:

- "Setup troubleshooting" on page 121

Using an RJ11 adapter

Country/region

- United Kingdom
- Ireland
- Finland
- Norway
- Denmark

- Italy
- Sweden
- Netherlands
- France
- Portugal

To connect your printer to an answering machine, telephone, or other telecommunications equipment, use the telephone line adapter included in the box with the printer.

1 Connect the adapter to the telephone line that came with the printer.
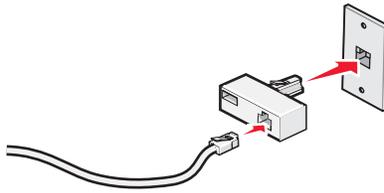
Note: The UK adapter is shown. Your adapter may look different, but it will fit the telephone outlet used in your location.

2 Connect the telephone line of your chosen telecommunications equipment to the left outlet of the adapter.
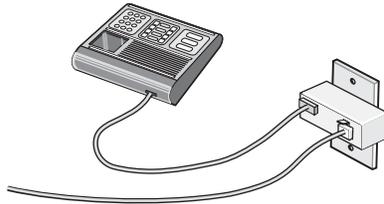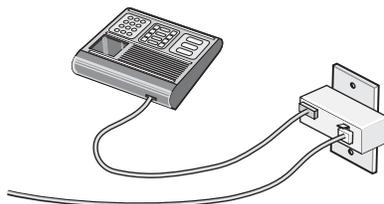

If your telecommunications equipment uses a US-style (RJ11) telephone line, follow these steps to connect the equipment:
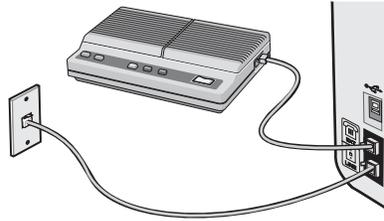
1 Remove the plug from the EXT port on the back of the printer.

Note: Once this plug is removed, any country- or region-specific equipment you connect to the printer by the adapter, as shown, will not function properly.

2 Connect your telecommunications equipment directly to the EXT port on the back of the printer.

Country/region

- Saudi Arabia
- United Arab Emirates
- Egypt
- Bulgaria
- Czech Republic
- Belgium
- Australia
- South Africa
- Greece

- Israel
- Hungary
- Poland
- Romania
- Russia
- Slovenia
- Spain
- Turkey

To connect a telephone, an answering machine, or other telecommunications equipment to the printer:
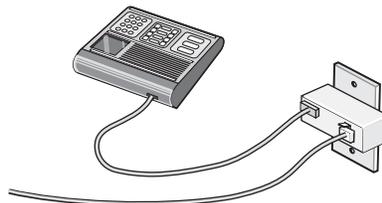
1 Remove the plug from the back of the printer.

2 Connect your telecommunications equipment directly to the EXT port on the back of the printer.

Note: Once this plug is removed, any country- or region-specific equipment that you connect to the printer by the adapter, as shown, will not function properly.

Country/region

- Germany
- Austria
- Switzerland

There is a plug installed in the EXT port of the printer. This plug is necessary for the proper functioning of the printer.

Note: Do not remove the plug. If you remove it, other telecommunications devices in your home (such as telephones or answering machines) may not work.

Related topics:

- "Understanding the parts of the printer" on page 88

Connecting directly to a telephone wall jack

Connect the printer directly to a telephone wall jack to make copies or to send and receive faxes without using a computer.

1 Make sure you have a telephone cord and a telephone wall jack.

2 Connect one end of the telephone cord into the LINE port of the printer.
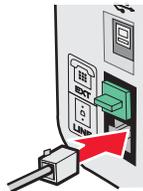
3 Connect the other end of the telephone cord into an active telephone wall jack.
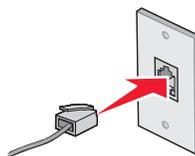
Related topics:

- "Getting the printer ready to fax" on page 43

Connecting to a telephone

Connect a telephone to the printer to use the fax line as a normal telephone line. Then set up the printer wherever your telephone is located to make copies or to send and receive faxes without using a computer.

Note: Setup steps may vary depending on your country or region. For more information on connecting the printer to telecommunications equipment, see "Using an RJ11 adapter" on page 44.

1 Make sure you have the following:

- A telephone
- Two telephone cords
- A telephone wall jack

2 Connect one telephone cord to the LINE port ⬚ of the printer, and then plug it into an active telephone wall jack.
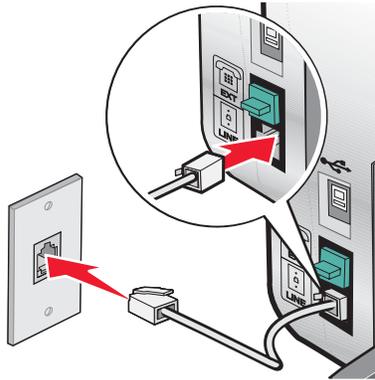
3 Remove the protective plug from the EXT port ☎ of the printer.

4 Connect the other telephone cord to a telephone, and then plug it into the EXT port ⌕ of the printer.

Related topics:

- "Getting the printer ready to fax" on page 43

Connecting to an answering machine

Connect an answering machine to the printer to receive both incoming voice messages and faxes.

Note: Setup steps may vary depending on your country or region. For more information on connecting the printer to telecommunications equipment, see "Using an RJ11 adapter" on page 44.
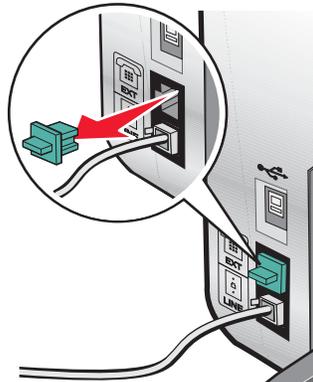
1 Make sure you have the following:

- A telephone
- An answering machine
- Three telephone cords
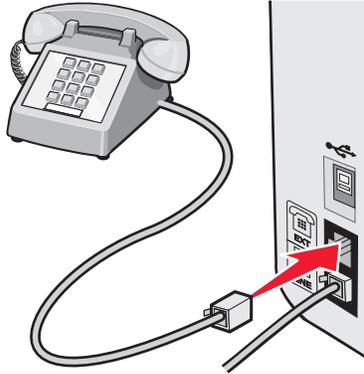- A telephone wall jack

2 Connect one telephone cord into the LINE port ⌕ of the printer, and then plug it into an active telephone wall jack.
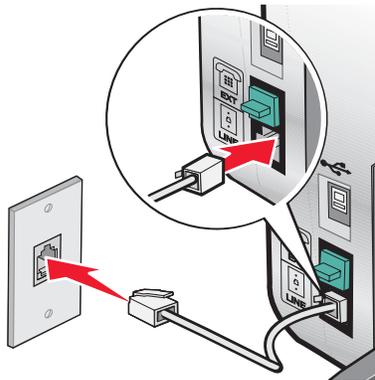
3 Remove the protective plug from the EXT port 📞 of the printer.

4 Connect a second telephone cord from the telephone to the answering machine.

5 Connect a third telephone cord from the answering machine to the EXT port 📞 of the printer.
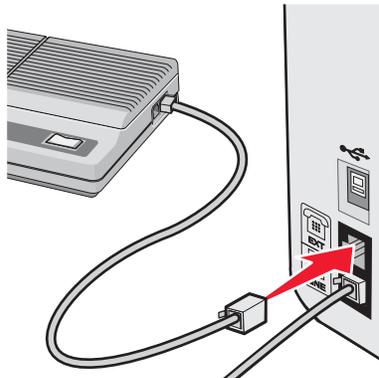
Related topics:

- "Getting the printer ready to fax" on page 43

Connecting to a computer with a modem

Connect the printer to a computer with a modem to send faxes from the software application.

Note: Setup steps may vary depending on your country or region. For more information on connecting the printer to telecommunications equipment, see "Using an RJ11 adapter" on page 44.

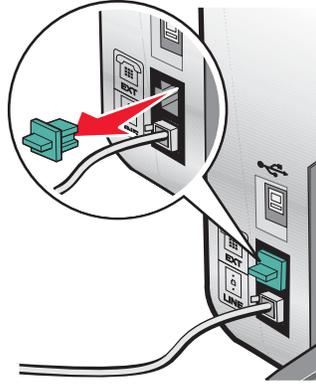**1** Make sure you have the following:

- A telephone
- A computer with a modem
- Three telephone cords
- A telephone wall jack

2 Connect a telephone cord into the LINE port ⬚ of the printer, and then plug it into an active telephone wall jack.
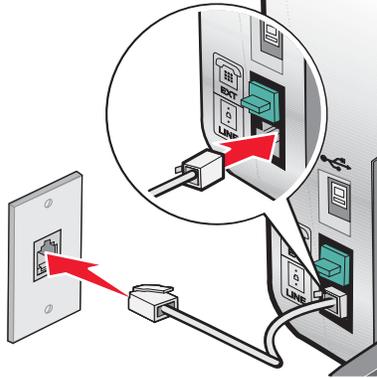
3 Remove the protective plug from the EXT port ☎ of the printer.
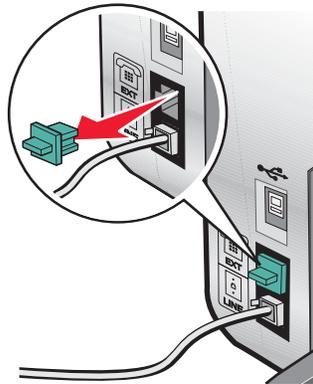
4 Connect a second telephone cord from the telephone to the computer modem.
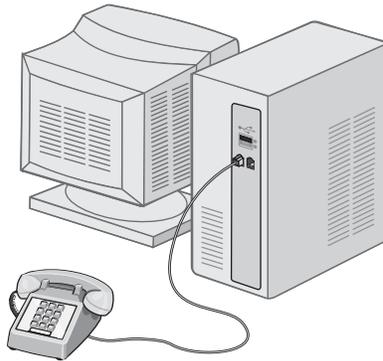
5 Connect a third telephone cord from the computer modem to the EXT port 📞 of the printer.
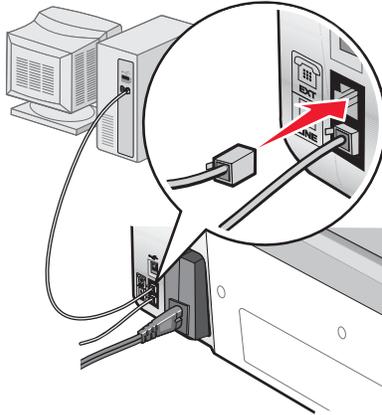
Related topics:

- "Getting the printer ready to fax" on page 43

Loading original documents on the scanner glass

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

Note: Place postcards, photos, small items, transparencies, photo paper, or thin items (such as magazine clippings) on the scanner glass instead of in the ADF.

1 Make sure the computer and the printer are on.

2 Open the top cover.

3 Place the original document or item facedown on the scanner glass in the upper left corner.

   Note: Photos should be loaded as shown.

4 Close the top cover to avoid dark edges on the scanned image.

Related topics:

- "Understanding the parts of the printer" on page 88
- "Loading original documents into the Automatic Document Feeder" on page 21

Loading original documents into the Automatic Document Feeder

You can load up to 10 sheets of an original document into the Automatic Document Feeder (ADF) for scanning, copying, and faxing. You can load A4, letter, or legal-size paper into the ADF.

Notes:

- Use only new, unwrinkled paper that is not curled.
- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

1 If you are using A4 or letter-size paper, pull up the ADF paper stop.

2 Adjust the paper guide on the ADF tray to the width of the original document.

3 Fan the original document.

4 Load the original document facedown and top edge first into the ADF until you hear a *beep*.

`Document Loaded` appears on the display, and the document feeds into the ADF.

Note: Preview is not supported when using the Automatic Document Feeder. You can preview one page at a time when using the scanner.

Automatic Document Feeder paper capacity

Load up to	Make sure
10 sheets of: • Letter-size paper • A4 paper • Legal-size paper	• You adjust the paper guide on the ADF tray to the width of the original document. • The original document is loaded facedown, top edge first, until you hear a *beep*.

Load up to	Make sure

10 sheets of:
• Custom paper
• Pre-punched paper
• Reinforced edge copier paper
• Preprinted forms
• Letterhead paper
	• You adjust the paper guide on the ADF tray to the width of the original document.
	• The original document is loaded facedown, top edge first, until you hear a *beep*.
	• The paper size fits within these dimensions:
	Width:
	  – 210.0 mm–215.9 mm
	  – 8.25 in.–8.5 in.
	Length:
	  – 279.4 mm–355.6 mm
	  – 11.0 in.–14.0 in.
	• You allow preprinted media to dry thoroughly before loading into the ADF.
	• You do *not* use media printed with metallic ink particles.
	• You avoid embossed designs.

Related topics:

- "Understanding the parts of the printer" on page 88
- "Loading original documents on the scanner glass" on page 20

Performing faxing and related tasks

Sending a fax

Entering a fax number

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

2 Enter a fax number using:

The text box	Enter a fax number using the keypad. **Notes:** • You can include a calling card number as part of the fax number. • Enter a maximum of 64 digits in a fax number. • Press **Pause / Redial** to insert a three-second pause in a number you are entering to wait for an outside line or get through an automated answering system.

Speed Dial or Group Dial	**a** Press **Phone Book**.
	 b Enter Speed Dial and/or Group Dial numbers.
	      • Press ◀ or ▶ repeatedly until the Speed Dial or Group Dial number you want appears.
	      • Use the keypad to enter the number of the Speed Dial entry (1–89) or Group Dial entry (90–99).
	
	 Notes:
	
	 • For instructions on how to add Speed Dial or Group Dial numbers using the computer, see "Setting up Speed Dial using the computer" on page 60.
	 • For instructions on how to add Speed Dial or Group Dial numbers using the control panel, see "Using the Phone Book" on page 60.

3 If you want to send a fax to a group of numbers (broadcast fax):

   a Press √.

   b Repeat step 2, using any combination of the previous methods, until a maximum of 30 fax numbers have been entered.

Related topics:

• "Using the control panel" on page 90

Sending a fax using the control panel

1 Make sure the printer is on.

2 Load an original document facedown into the ADF or on the scanner glass.

   Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

3 From the control panel, press **Fax Mode**.

4 Enter a fax number or press **Phone Book** to select a number from the Speed Dial or Group Dial list. For more information, see "Entering a fax number" on page 55.

   Note: To set up Speed Dial, see "Setting up Speed Dial using the computer" on page 60.

5 If you want to send a fax to a group of numbers (broadcast fax):

   a Press √.

   b Repeat step 4 and press √ until a maximum of 30 fax numbers have been entered.

6 Press **Start Color** or **Start Black**.

Related topics:

- "Using the control panel" on page 90
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Sending a broadcast fax at a scheduled time

You can send a fax to a combination of up to 30 people or groups at a time you choose.

1 Load an original document facedown into the ADF or on the scanner glass.

   Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 From the control panel, press **Fax Mode**.

3 Press ▤.

4 Press ◀ or ▶ repeatedly until **Delay Fax** appears.

5 Press √.

6 Press ◀ or ▶ repeatedly until **Delay Until** appears.

7 Press √.

8 Enter the time you want to send the fax.

9 Press √.

10 If the printer is not set to the 24 hour mode, press ◀ or ▶ repeatedly to select AM or PM.

11 Press √ to save your settings.

12 Enter a fax number, or press **Phone Book** to select a number from the Speed Dial or Group Dial list. For more information, see "Entering a fax number" on page 55.

13 If needed, repeat step 12 and press √ until a maximum of 30 fax numbers have been entered.

14 Press **Start Color** or **Start Black**.

Note: At the designated time, the fax numbers are dialed and the fax is sent to all of the designated fax numbers. If the fax transmission is unsuccessful to any of the numbers on the broadcast list, the unsuccessful numbers will be dialed again.

Related topics:

- "Using the control panel" on page 90
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Sending a fax while listening to a call (On Hook Dial)

The manual dialing feature lets you dial a telephone number while listening to the call through a speaker on the printer. It is useful when you must navigate an automated answering system or enter a calling card number before sending your fax.

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until `On Hook Dial` appears.

4 Press √.

You can now hear the dial tone of the telephone line.

5 Enter a fax number, or press **Phone Book** to select a number from the Speed Dial or Group Dial list. For more information, see "Entering a fax number" on page 55.

   Note: Press the keypad numbers to use an automated answering system.

6 Press **Start Color** or **Start Black**.

Related topics:

- "Using the control panel" on page 90
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Receiving a fax

Receiving a fax automatically

1 Make sure the Fax Auto Answer light is on.

2 To set the number of telephone rings before the printer automatically receives faxes, see "Setting the number of rings before receiving a fax automatically" on page 62.

Related topics:

- "Using the control panel" on page 90

Receiving a fax with an answering machine

Note: You must set up the equipment as shown in "Connecting to an answering machine" on page 48.

To receive a fax with an answering machine connected to the printer:

1 Make sure the Fax Auto Answer light is on.

When a telephone ring is detected, the answering machine picks up the call.

- If the printer detects a fax, it receives the fax and disconnects the answering machine.
- If the printer does not detect a fax, the answering machine receives the call.

2 Set the answering machine to answer incoming calls before the printer does.

For example, if you set the answering machine to answer calls after three rings, set the printer to answer calls after five rings.

3 To set the number of telephone rings before the printer automatically receives faxes, see "Setting the number of rings before receiving a fax automatically" on page 62.

Related topics:

- "Using the control panel" on page 90

Receiving a fax manually

1 Make sure the Auto Answer light is off.

2 To receive the fax:

- Press **Start Color** or **Start Black**.

  or
- Press *** 9 *** on the telephone after you answer it and hear fax tones.

3 Hang up the telephone. The printer receives the fax.

Related topics:

- "Using the control panel" on page 90

Using Caller ID

Caller ID is a service provided by some telephone companies that identifies the telephone number (and possibly the name) of the person who is calling. If you subscribe to this service, it works with the printer. When you receive a fax, the telephone number of the person who is sending you the fax appears on the display.

Note: Caller ID is available only in some countries and regions.

The printer supports two distinct Caller ID patterns: Pattern 1 (FSK) and Pattern 2 (DTMF). Depending on the country or region you live in and the telecommunications company you subscribe to, you may need to switch the pattern to display Caller ID information.

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

2 Press ◀ or ▶ repeatedly until `Tools` appears.

3 Press √.

4 Press ◀ or ▶ repeatedly until `Device Setup` appears.

5 Press √.

6 Press ◀ or ▶ repeatedly until `Caller ID Pattern` appears.

7 Press √.

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

9 Press √ to save the setting.

Related topics:
- "Using the control panel" on page 90
- "Using the Fax menu" on page 95

Forwarding faxes

Use the fax forwarding feature if you are going to be away, but still want to receive your faxes. There are three fax forwarding settings:
- **Off**—(Default).
- **Forward**—The printer sends the fax to the designated fax number.
- **Print & Forward**—The printer prints the fax and then sends it to the designated fax number.

To set up fax forwarding:

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Ringing and Answering** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Fax Forward** appears.

8 Press √.

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

10 Press √.

11 Enter the number to which you want to forward the fax.

12 Press √ to save the setting.

   Note: If you select Forward or Print & Forward, **Forward** will appear in the lower left corner of the fax default menu. To view the selected setting, press ↰ repeatedly.

Related topics:
- "Using the control panel" on page 90

Printing fax activity reports

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press $\checkmark$.

5 Press ◀ or ▶ repeatedly until **Reports** appears.

6 Press $\checkmark$.

7 Press ◀ or ▶ repeatedly until the type of report you want to print appears.

8 Press $\checkmark$.

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

10 Press $\checkmark$ to print the report.

Related topics:

- "Using the control panel" on page 90

Setting up Speed Dial using the computer

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Fax Setup Utility** icon.

3 Select the **Speed Dials** tab.

4 Click **+** to enter contact names and fax numbers in the Individuals or Groups tabs.

> **Note:** To delete an entry from the Speed Dial list, select it, and then click **-**.

5 Click **Save Settings**.

Related topics:

- "Customizing settings using the Fax Setup Utility" on page 67

Using the Phone Book

The Phone Book is a directory of Speed Dial entries (1–89) and Group Dial entries (90–99).

To access a Phone Book entry:

1 From the control panel, press **Phone Book**.

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

or

Use the keypad to enter the number of the Speed Dial or Group Dial entry.

To access the Phone Book menu:

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Phone Book** appears.

4 Press $\checkmark$.

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

6 Press √, and follow the instructions on the display.

Use this	To
View	View Phone Book entries.
Add	Create a new Speed Dial or Group Dial entry.
Remove	Delete a Speed Dial or Group Dial entry.
Modify	Edit a Speed Dial or Group Dial entry.
Print	Print all Speed Dial and Group Dial entries in the Phone Book.

Note: For instructions on how to add Speed Dial or Group Dial entries to the Phone Book using the computer, see "Setting up Speed Dial using the computer" on page 60.

Related topics:

- "Using the control panel" on page 90

Managing fax jobs

Customizing dial settings

Setting up a dialing prefix

You can add a prefix of up to eight characters to the beginning of each number dialed. Characters can include numbers, commas, and/or the symbols * and #.

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Dialing and Sending** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Dial Prefix** appears.

8 Press √.

9 To change the setting, press ◀ or ▶ repeatedly until **Create** appears.

10 Press √.

11 Enter the prefix to be dialed before each telephone number.

12 Press √ to save the setting.

Related topics:

- "Using the control panel" on page 90

Setting the distinctive ring

Distinctive ring is a service provided by some telephone companies that assigns multiple phone numbers to a single telephone line. If you subscribe to this service, you can program your printer to have a distinctive ring pattern and phone number for incoming faxes.

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Ringing and Answering** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Ring Pattern** appears.

8 Press √.

9 Press ◀ or ▶ repeatedly until the ring pattern you want appears.

10 Press √ to save the setting.

Related topics:
- "Using the control panel" on page 90

Setting the number of rings before receiving a fax automatically

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Ringing and Answering** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Pick Up On** appears.

8 Press √.

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

10 Press √ to save the setting.

11 Make sure the Fax Auto Answer light is on.

When the number of rings you set is detected, the printer automatically receives the incoming fax.

Related topics:
- "Using the control panel" on page 90

Setting up to fax while behind a PBX

If the printer is being used in a business or office, it may be connected to a Private Branch Exchange (PBX) telephone system. Ordinarily, when dialing a fax number, the printer waits to recognize the dial tone and then dials the fax number. However, this method of dialing may not work if the PBX telephone system uses a dial tone that is not recognizable to most fax machines. The "Dialing while behind a PBX" feature enables the printer to dial the fax number without waiting to recognize the dial tone.

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Dialing and Sending** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Dial Method** appears.

8 Press √.

9 Press ◀ or ▶ repeatedly until **Behind PBX** appears.

10 Press √ to save this setting.

Related topics:

- "Using the control panel" on page 90

Customizing fax settings

Setting up a fax header

During the initial setup of your printer, you were prompted to enter your name, fax number, date, and time. This information is used to create a fax header for faxes you send.

If you have not entered this information:

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Dialing and Sending** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Your Fax Name** appears.

8 Press √.

9 Enter your name using the keypad.

   Note: You can enter a maximum of 20 characters.

10 Press √ to save the setting.

11 Press ◀ or ▶ repeatedly until **Your Fax Number** appears.

12 Press √.

13 Enter your fax number using the keypad.

>   **Note:** You can enter a maximum of 64 numbers.

14 Press √ to save the setting.

15 Press ⤺ twice.

16 Press ◀ or ▶ repeatedly until **Tools** appears.

17 Press √.

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

19 Press √.

20 Press ◀ or ▶ repeatedly until **Date/Time** appears.

21 Press √.

22 Enter the date using the keypad.

23 Press √.

24 Enter the time using the keypad.

25 Press √.

26 If the hour you entered is 12 or less, press ◀ or ▶ repeatedly until **AM**, **PM**, or **24hr** appears.

27 Press √ to save the setting.

Related topics:

- "Using the control panel" on page 90

Setting up a fax footer

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Fax Printing** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Fax Footer** appears.

8 Press √.

9 Press ◀ or ▶ repeatedly until **On** appears.

10 Press √.

11 During the initial setup of your printer, you were prompted to enter the date and time. If you have not entered this information:

    a Press �="5 twice.

    b Press ◀ or ▶ repeatedly until **Tools** appears.

    c Press √.

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

    e Press √.

    f Press ◀ or ▶ repeatedly until **Date/Time** appears.

    g Press √.

    h Enter the date using the keypad.

    i Press √.

    j Enter the time using the keypad.

    k Press √.

    l If the hour you entered is 12 or less, press ◀ or ▶ repeatedly until **AM**, **PM**, or **24hr** appears.

    m Press √ to save the setting.

Related topics:

- "Using the control panel" on page 90

Blocking unwanted changes to fax settings

This feature blocks network users from changing fax settings.

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Tools** appears.

4 Press √.

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

6 Press √.

7 Press ◀ or ▶ until **Host Fax Settings** appears.

8 Press √.

9 Press ◀ or ▶ until **Block** appears.

10 Press √ to save this setting.

Related topics:

- "Blocking junk faxes" on page 66
- "Using the control panel" on page 90

Blocking junk faxes

If you have Caller ID, you can block faxes sent from specific numbers and/or all faxes which do not include a Caller ID number.

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

2 Press ▤.

3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Fax Blocking** appears.

6 Press √.

7 Press ◀ or ▶ repeatedly until **Turn ON/OFF** appears.

8 Press √.

9 Press ◀ or ▶ repeatedly until **On** appears.

10 Press √.

11 If you want to block faxes from specific phone numbers:

   a Press ◀ or ▶ repeatedly until **Add** appears.

   b Press √.

   c Enter a phone number.

     Note: You can enter a maximum of 64 numbers.

   d Press √.

   e If you want to enter a corresponding name, enter it using the keypad buttons.

   f Press √.

   g If you want to enter additional numbers:

     1 Press √.

     2 Repeat step c through step f.

      Note: You can enter up to 50 phone numbers.

   h If you do not want to enter additional numbers:

     1 Press ◀ or ▶ repeatedly until **No** appears.

     2 Press √.

12 If you want to block all faxes that do not provide a Caller ID number:

   a Press ◀ or ▶ repeatedly until **Block No-ID** appears.

   b Press √.

   c Press ◀ or ▶ repeatedly until **On** appears.

   d Press √ to save the setting.

13 If you want to print a list of blocked faxes:

    a Press ◀ or ▶ repeatedly until **Print** appears.

    b Press √ to print the list.

Related topics:

- "Blocking unwanted changes to fax settings" on page 65
- "Using the control panel" on page 90

Customizing settings using the Fax Setup Utility

You can adjust the fax settings in the Fax Setup Utility. These settings apply to the faxes you send or receive.

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **5400 Series Fax Setup Utility** icon.

3 From the Fax Setup Utility dialog, choose the printer from the Device pop–up menu.

From here	You can
Send	- Select the telephone dial method you want to use. - Enter a dialing prefix. - Select a dialing volume. - Select the number of times you want the machine to redial and the time between those attempts if the fax cannot be sent on the first try. - Select whether to scan the entire document before dialing the number. - Select a maximum send speed and print quality for outgoing faxes. - Select the print quality of your fax job. - Select **Automatically convert fax send quality** to match the resolution setting of the receiving fax machine. - Enter your name and fax number. **Notes:** – You can include a calling card number as part of the fax number. – Enter a maximum of 64 digits in a fax number.
Receive	- Select incoming call options. - Select Auto Answer options. - Select whether you want to forward a fax, or print it and then forward it. - Enter a fax forwarding number. - Manage blocked faxes.

From here	You can
Fax/Report Printing	• Choose to reduce an incoming fax to fit to the paper size loaded, or print it on two sheets of paper. • Choose whether to print a footer (the date, time, and page number) to appear on each page you receive. • Select when to print fax activity and confirmation reports.
Speed Dials	Create, add to, edit, or delete entries from the Speed Dial list, including Group Dial entries.

4 Click **Save Settings** after you finish customizing the settings. To change settings back to the factory default settings, click **Factory Defaults**. To load your saved settings, click **Revert to Saved**.
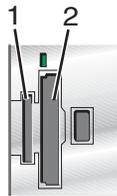
5 Close the Fax Setup Utility.

Related topics:

-

Working with photos

Connecting photo storage devices

Inserting a memory card

1 Insert a memory card.
   - Insert the card with the brand name label facing to the left.
   - If there is an arrow on the card, make sure it points toward the printer.

Slot	Memory card
1	• xD Picture Card • Secure Digital • Mini Secure Digital (with adapter) **Note:** Make sure you connect the memory card to the adapter that came with it before inserting it into the slot. • MultiMedia Card • Memory Stick • Memory Stick PRO • Memory Stick Duo (with adapter) or Memory Stick PRO Duo (with adapter) **Note:** Make sure you connect the memory card to the adapter that came with it before inserting it into the slot.
2	• Compact Flash Type I and Type II • Microdrive

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

Warning—Potential Damage: Do *not* remove cables or media devices, or touch the printer in the area shown while the light is blinking.

3 When reading of images is complete, the number of photos found appears on the display.

> **Notes:**
>
> - If the printer does not read the memory card, remove and reinsert it. For more information, see "Memory card reader and PictBridge troubleshooting" on page 137.
> - The printer recognizes one active media device at a time. If you insert more than one media device, a message appears on the display prompting you to designate the device you want the printer to recognize.

Related topics:

- "Inserting a flash drive" on page 71
- "Using the control panel" on page 90

Inserting a flash drive

1 Insert the flash drive into the PictBridge port on the front of the printer.
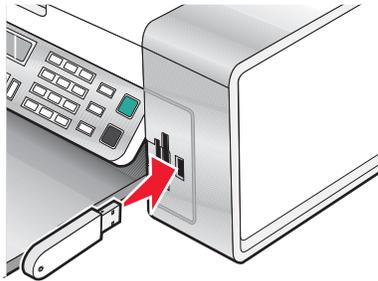
> **Note:** An adapter may be necessary if your drive does not fit directly into the port.

2 If your flash drive has a light, it blinks to indicate the flash drive is being read or is transmitting data. Wait for the light to stop blinking.

> **Warning—Potential Damage:** Do *not* remove cables or media devices, or touch the printer in the area shown while the light is blinking.

3 When reading of images is complete, the number of photos found appears on the display.

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

Related topics:

- "Inserting a memory card" on page 70
- "Using the control panel" on page 90

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

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

Note: You cannot transfer photos from a memory device to a computer through an external network adapter.

1 Insert a memory card or a flash drive that contains the images you want to transfer. For more information, see "Inserting a memory card" on page 70 or "Inserting a flash drive" on page 71.

2 Press ◀ or ▶ repeatedly until **Save Photos** appears.

3 Press √.

4 If needed, press ◀ or ▶ repeatedly until **Computer** appears.

5 Follow the instructions on the computer screen.

Related topics:

- "Connecting photo storage devices" on page 70

Transferring photos from a memory card to a flash drive

1 Insert a memory card that contains the images you want to transfer. For more information, see "Inserting a memory card" on page 70.

2 Insert a flash drive. For more information, see "Inserting a flash drive" on page 71.

   Which device is to be displayed? appears on the display.

3 Press ◀ or ▶ repeatedly until **Camera Card** or the specific type of your camera card appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Save Photos** appears.

6 Press √.

7 If needed, press ◀ or ▶ repeatedly until the setting you want appears.

   Notes:

   - If photos on the memory card were taken on more than one date, selections will include **Last Date** and **Date Range**.
   - To choose a date range, press √ and then ◀ or ▶ repeatedly until the desired date is displayed. Date ranges are displayed by month and year starting with the most recent month.

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

   Note: If there is not enough memory on the flash drive, a prompt appears on the display.

Related topics:

- "Connecting photo storage devices" on page 70

Working with photos using the control panel

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

Printing all photos

1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

2 Insert a memory card or flash drive that contains the images you want to print. For more information, see "Inserting a memory card" on page 70 or "Inserting a flash drive" on page 71.

3 Press ◀ or ▶ repeatedly until **Print Photos** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Print All Photos** appears.

6 Press **Start Color** or **Start Black**.

The print settings used on the print job are displayed sequentially on the second line of the display.

7 Press **Start Color** or **Start Black** again.

Related topics:

- "Using the control panel" on page 90

Printing photos stored on a memory device using the proof sheet

1 Load plain letter or A4 size paper.

2 Insert a memory card or flash drive that contains the images you want to print. For more information, see "Inserting a memory card" on page 70 or "Inserting a flash drive" on page 71.

3 Press ◀ or ▶ repeatedly until **Proof Sheet** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Print Proof Sheet** appears.

6 Press √.

7 Press ◀ or ▶ to specify which category of photos you want to print.

You can print a proof sheet:
- For all photos on the memory card
- For the 20 most recent photos, if there are 20 or more photos on the card
- By date, if the photos on the card were taken on more than one date

8 Press √.

9 Press √ again.

One or more proof sheets print.

10 Follow the instructions on the proof sheet to select which photos to print, number of copies, red eye reduction, page layout, print options, and paper size.

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

11 Load the proof sheet facedown on the scanner glass. For more information, see "Loading original documents on the scanner glass" on page 20.

12 If needed, press ◀ or ▶ repeatedly until **Scan Proof Sheet** appears.

13 Press √.

14 Press **Start Color** or **Start Black** to scan the proof sheet.

15 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

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

16 Press **Start Color** or **Start Black** to print your photos.

Warning—Potential Damage: Do *not* remove the memory card or flash drive, or turn off the printer, until the photos you selected in the photo proof sheet have been printed. The proof sheet becomes invalid when the memory card or flash drive is removed from the printer, or any time the printer is turned off.

Related topics:

- "Using the control panel" on page 90

Printing photos by date range

1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

2 Insert a memory card or flash drive that contains the images you want to print. For more information, see "Inserting a memory card" on page 70 or "Inserting a flash drive" on page 71.

3 Press ◀ or ▶ repeatedly until **Print Photos** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Print Photo Range** appears.

6 Press √.

Dates are displayed by month and year starting with the most recent month.

7 Press ◀ or ▶ to select the month you want.

8 Press √.

9 Press **Start Color** or **Start Black**.

The print settings to be used on the print job are displayed sequentially on the second line of the display.

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

Related topics:

- "Using the control panel" on page 90

Printing photos using color effects

You can use the control panel to apply color effects to your photos.

Note: You can also print photos with color effects using a proof sheet. For more information, see "Printing photos stored on a memory device using the proof sheet" on page 73.

1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

2 Insert a memory card or flash drive that contains the images you want to print. For more information, see "Inserting a memory card" on page 70 or "Inserting a flash drive" on page 71.

3 Press ◀ or ▶ repeatedly until **Photo Effects** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until the color effect you want appears.

> **Note:** Color effect selections include Sepia, Antique Grey, and Antique Brown.

6 Press √.

> **Note:** The color effect applies to all the photos you print until the active memory card or flash drive is removed.

Related topics:

- "Using the control panel" on page 90

Printing photos from a digital camera using DPOF

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

Notes:

- Make sure the photo print settings you select match your current printer settings. For information on changing printer photo settings, see "Using the Photo Card menu" on page 96.
- If you want to print photos by photo number, use the photo numbers printed on your proof sheet. For information on using a proof sheet, see "Printing photos stored on a memory device using the proof sheet" on page 73.

1 Load photo paper with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

2 Insert a memory card. For more information, see "Inserting a memory card" on page 70.

3 Press ◀ or ▶ repeatedly until **Print Photos** appears.

4 Press √.

5 Press ◀ or ▶ repeatedly until **Print DPOF Selection** appears.

6 Press **Start Color** or **Start Black**.

Related topics:

- "Using the control panel" on page 90

Using a PictBridge-enabled digital camera to control printing photos

You can connect a PictBridge-enabled digital camera to the printer, and use the buttons on the camera to select and print photos.

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

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

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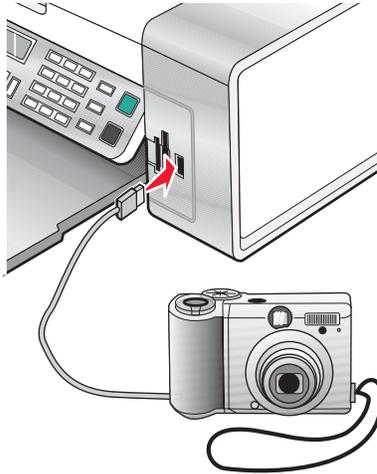
Notes:

- Make sure the PictBridge-enabled digital camera is set to the correct USB mode. For more information, see the camera documentation.
- The printer recognizes one active media device at a time. If you insert more than one media device, a message appears on the display prompting you to designate the device you want the printer to recognize.
- If the PictBridge connection is successful, the following appears on the printer display: `PictBridge camera detected. Press √ to change settings.` If any other message appears, see "Error messages" on page 138.

3 Follow the instructions in the camera documentation to select and print photos.

Note: If the printer is turned off while the camera is connected, you must disconnect and then reconnect the camera.

Related topics:

- "Connecting photo storage devices" on page 70

Working with photos using the computer

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

Printing photos using the computer

1 Load photo paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

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

   a With a photo open, choose **File ➜ Page Setup**.

   b From the "Format for" pop-up menu, choose **5400 Series**.

   c From the Paper Size pop-up menu, choose the paper size loaded.

   d Choose an orientation.

   e Click **OK**.

3 Customize the settings as needed in the Print dialog.

   a With a photo open, choose **File ➜ Print**.

   b From the Printer pop-up menu, choose **5400 Series**.

   c For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.

   d From the Copies & Pages pop-up menu, type the number of copies to be printed.

   e From the same pop-up menu, choose **Quality & Media**.

   - From the Paper Type pop-up menu, choose the type of paper you are using.
   - From the Print Quality area, choose **Automatic** or **Photo**.

   f Click **Print**.

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

Related topics:

- "Enhancing photo print quality using the software" on page 84

Printing cards

1 Load greeting cards, index cards, or postcards.

   Notes:

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

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

   a With a document open, click **File ➜ Page Setup**.

   b From the "Format for" pop-up menu, choose **5400 Series**.

   c From the Paper Size pop-up menu, choose a card size.

d Choose an orientation.

e Click **OK**.

3 Customize the settings as needed in the Print dialog.

    a From the software application, click **File ➞ Print**.

    b From the Printer pop-up menu, choose **5400 Series**.

    c Click **Print**.

Notes:

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

Related topics:

- "Loading various paper types" on page 5

Printing borderless photos

From your software application, set the page margins to zero, and then adjust the image on the screen so that it covers the entire page.

Note: Some applications do not support margin setting.

1 Load photo or glossy paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) For more information, see "Loading paper" on page 5.

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

    a With a photo open, choose **File ➞ Page Setup**.

    b From the "Format for" pop-up menu, choose **5400 Series**.

    c From the Paper Size pop-up menu, choose the paper size loaded.

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

    d Choose an orientation.

    e Click **OK**.

3 Customize the settings as needed in the Print dialog.

    a With a photo open, choose **File ➞ Print**.

    b From the Printer pop-up menu, choose **5400 Series**.

    c For Mac OS X version 10.4 or later, click **Advanced**. Otherwise, proceed to the next step.

    d From the Copies & Pages pop-up menu, type the number of copies to be printed.

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

f Click **Print**.

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

Related topics:
- "Enhancing photo print quality using the software" on page 84

Printing color images in black and white

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

1 Load paper.

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

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

4 From the Printer pop-up menu, choose **5400 Series**.

5 From the pop-up menu in the center, choose **Color Options**.

6 From the Document Color pop-up menu, choose **Black Only**.

7 Click **Print**.

Related topics:
- "Loading paper" on page 5

Scanning images for editing

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

2 Load an original image facedown on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "What is being scanned?" menu, choose **Photo** or **Magazine or Newspaper**.

6 From the "How will the scanned image be used?" pop-up menu, choose **To be printed** or **To be viewed on monitor/Web page**.

7 From the "Send scanned image to" pop-up menu, choose a destination folder or application for your scanned photo.

8 Select **Prompt for multiple pages** if you have several photos to scan.

9 Click **Preview/Edit** to open the Scan dialog and adjust settings.

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

From the Adjustments tab, you can customize the settings as needed.

10 Crop photos, if needed. For more information, see "Cropping photos using the software" on page 38.

11 Click ▷.

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning documents or images for e-mailing

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

1 Load an original document facedown into the ADF or on the scanner glass.

Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Lexmark 5400 Series Center** icon.

4 From the "What is being scanned?" menu, select a document type other than Photo.

5 From the "How will the scanned image be used?" menu, choose **To be viewed on monitor/web page**.

6 From the "Send scanned image to" menu, choose an application.

7 Click **Scan**.

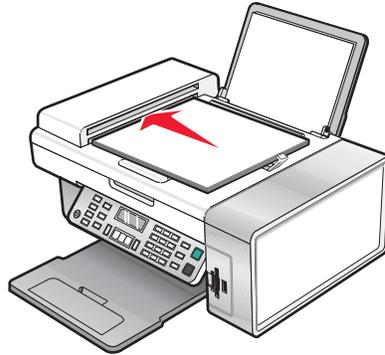**8** Retrieve the scanned image from the application and send it through e-mail as an attachment.

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning multiple pages or images

Scanning multiple pages using the Automatic Document Feeder

1 Load an original document facedown into the Automatic Document Feeder (ADF).

> **Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Lexmark 5400 Series Center** icon.

4 Select **Prompt for multiple pages**.

5 Click **Scan**.

6 In the Save dialog, enter a file name for your scan job.

7 From the Where pop-up menu, choose a destination for the scanned items.

8 From the Format pop-up menu, choose a file type.

9 Click **Save**.

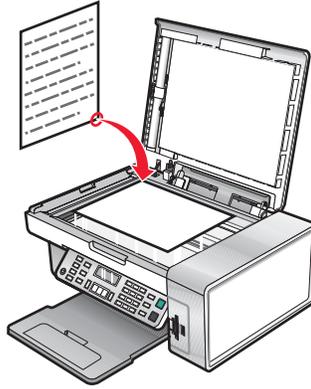Scanning automatically stops when all pages on the ADF are scanned.

Notes:

- You can also select **Prompt to name each page** if you want to save each scanned item under a different file name. Otherwise, scanned items will be given the file name you specified and numbered accordingly.
- When a scan job is saved as a PDF, the Save dialog will only prompt once. All scanned pages are saved to only one file since PDF supports multiple-page scanning.
- Preview is not supported when using the Automatic Document Feeder. You can preview one page at a time when using the scanner.

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Scanning multiple pages using the scanner glass

1 Load an original document facedown on the scanner glass.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Lexmark 5400 Series Center** icon.

4 Select **Prompt for multiple pages**.

5 Click **Scan**.

6 In the Save dialog, enter a filename for your scan job.

7 From the Where pop-up menu, choose a destination for the scanned items.

8 From the Format pop-up menu, choose a file type.

9 Click **Save**.

10 When prompted, place the next item on the scanner glass, and then click **Scan** on the dialog. Continue this for every original document you want to scan.

11 Click **Done** when you are finished scanning all items.

Notes:

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

Related topics:

- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Saving a scanned image

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

2 Load an original document facedown into the ADF or on the scanner glass.

Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

3 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

4 Double-click the **Lexmark 5400 Series Center** icon.

5 From the "Send scanned images to" pop-up menu, choose the application where you want to save the scanned image.

6 Adjust the settings as needed.

7 Click **Scan**. The scanned image opens in the specified application.

8 From the software application, click **File ➜ Save As**.

9 Enter the file name, format, and location where you want the scanned image to be saved.

10 Click **Save**.

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21

Adjusting color settings when scanning

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

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 From the Scan dialog, click ⚙ to open the Scan Setup drawer.

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

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

Related topics:
- "Customizing scan settings from the Scan dialog" on page 39
- "Adjusting the brightness of an image" on page 37

Adjusting the brightness of an image

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 Click ⚙ to open the Scan Setup drawer.

5 Select the **Adjustments** tab.

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

Related topics:
- "Customizing scan settings from the Scan dialog" on page 39
- "Adjusting color settings when scanning" on page 37

Cropping photos using the software

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

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

3 From the All-in-One Center dialog, click **Preview/Edit**.

4 Select **Auto-crop sensitivity**.

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

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

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

   a Use any of these methods to make adjustments:
      - Move the slider.

         Note: The slider adjusts the file size, width, and height of the image. If the dashed border seems to disappear, the crop area is set beyond the size of the image.
      - Click and drag the nodes to expand or minimize the crop area.
      - Click and drag the crop area to a part of the image you want copied.

Note: These actions will deactivate Auto-crop sensitivity.

   b Click ↺ to preview the image.

   c Click ▷ to scan the image.

Related topics:
- "Using the All-In-One Center" on page 105

Enhancing photo print quality using the software

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

3 From the "What is being scanned?" menu, choose **Photo**.

4 From the "How will the scanned image be used?" pop-up menu, choose **To be printed** or **To be viewed on monitor/web page**. Photo scanning is optimized based on this selection.

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

6 From the Scan dialog, click ⚙ to open the Scan Setup drawer.

7 From the Settings tab, make sure you select one of the preset scan settings appropriate for your photo.

You can also customize scan settings by adjusting color depth, resolution, and choosing a descreen option.

8 Select the **Adjustments** tab and fine-tune the scan settings.

Related topics:
- "Using the All-In-One Center" on page 105
- "Customizing scan settings from the Scan dialog" on page 39

Enlarging or reducing an image

1 Load paper.

Note: If you are copying photos, use photo or heavyweight matte paper, with the glossy or printable side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.)

2 Load an original document facedown into the ADF or on the scanner glass.

Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

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

4 Press ▤.

5 Press ◀ or ▶ repeatedly until `Resize` appears.

6 Press √.

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

Note: To select Custom Resize, press √ and use the keypad to enter a custom size.

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

Related topics:
- "Loading original documents on the scanner glass" on page 20
- "Loading original documents into the Automatic Document Feeder" on page 21
- "Using the control panel" on page 90

Sharpening an image

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Lexmark 5400 Series Center** icon.

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

4 From the Scan dialog, click ⚙ to open the Scan Setup drawer.

5 Click the **Adjustments** tab.

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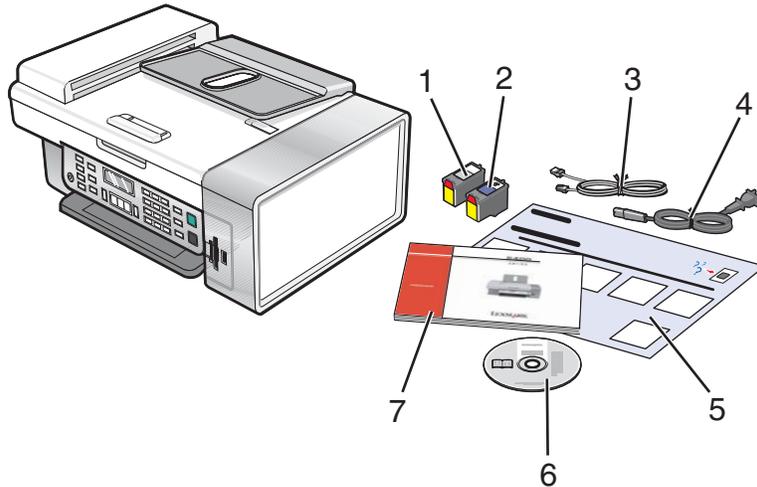
Related topics:

- "Customizing scan settings from the Scan dialog" on page 39
- "Enhancing photo print quality using the software" on page 84

Understanding the printer

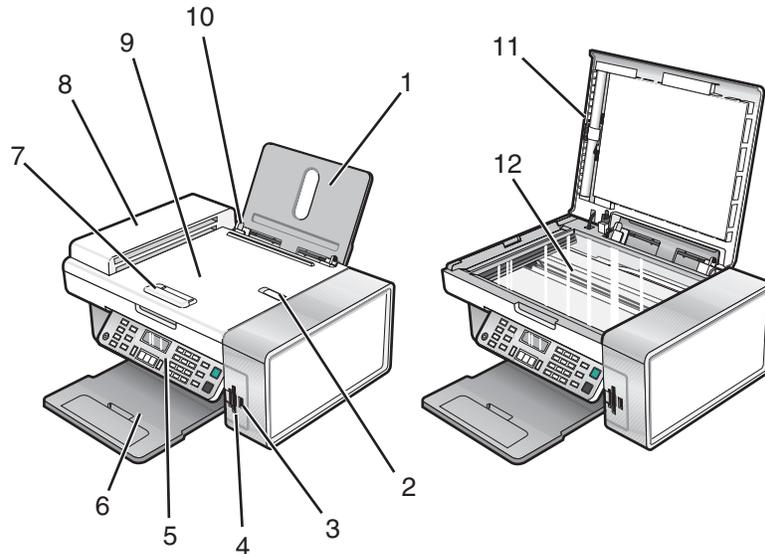## Understanding the printer parts

Checking the box contents

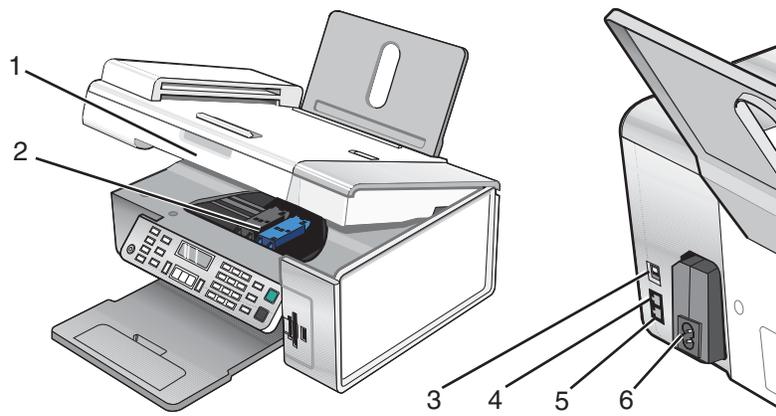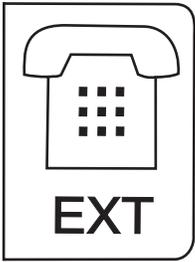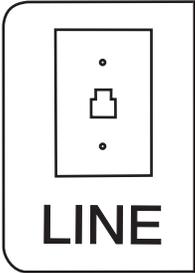|	Name	Description
1	Black print cartridge	Cartridges to be installed into the printer.
2	Color print cartridge	**Note:** Cartridge combinations vary depending on the product purchased.
3	Telephone cord	Use for faxing. For more information about connecting this cord, see "Choosing a fax connection" on page 43.
4	Power cord	Attaches to the power supply port located at the back of the printer.
5	*Setup* sheet	Instructions on setting up printer hardware and software, and information on setup troubleshooting.
6	Installation software CD	• Installation software for the printer • Help • *User's Guide* in electronic format
7	*Getting Started* or *Setup Solutions*	Printed booklet that serves as a guide. **Note:** The complete *User's Guide* can be found on the installation software CD that shipped with the printer.

Related topics:

- "Understanding the parts of the printer" on page 88

Understanding the parts of the printer

	Use the	To
1	Paper support	Load paper.
2	Automatic Document Feeder (ADF) paper stop	• Stop paper as it exits the ADF. • Support A4 and legal-size paper as it exits.
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 90.
6	Paper exit tray	Hold paper as it exits.
7	Automatic Document Feeder (ADF) paper guide	Keep paper straight when feeding into the ADF.
8	Automatic Document Feeder (ADF)	Scan, copy, or fax multiple-page letter, legal, and A4 size documents.
9	Automatic Document Feeder (ADF) tray	Load original documents in the ADF. Recommended for scanning, copying, or faxing multiple-page documents. **Note:** Do not load postcards, photos, small items, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
10	Paper guide	Keep paper straight when feeding.
11	Top cover	Access the scanner glass.
12	Scanner glass	Copy, scan, fax, 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	USB port	Connect the printer to a computer using a USB cable.
4	EXT port	Connect additional devices, such as a data/fax modem, telephone, or answering machine to the printer. **Note:** Remove the plug to access the port.
5	LINE port	Connect the printer to an active telephone line to send and receive faxes. The printer must be connected to this telephone line to receive incoming fax calls. **Note:** Do not connect additional devices to the LINE port, and do not connect a DSL (digital subscriber line), ISDN (integrated services digital network), or cable modem to the printer.
6	Power supply with port	Connect the printer to a power source.

Related topics:

- "Checking the box contents" on page 87
- "Using the control panel" on page 90
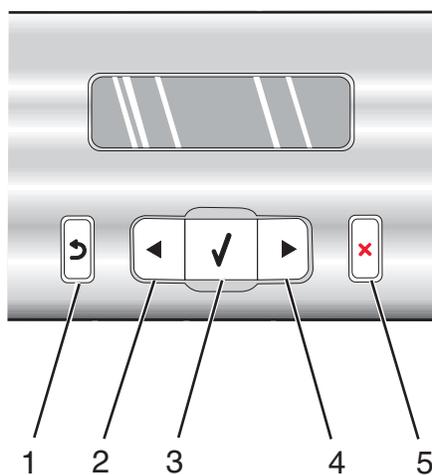
Using the control panel buttons and menus

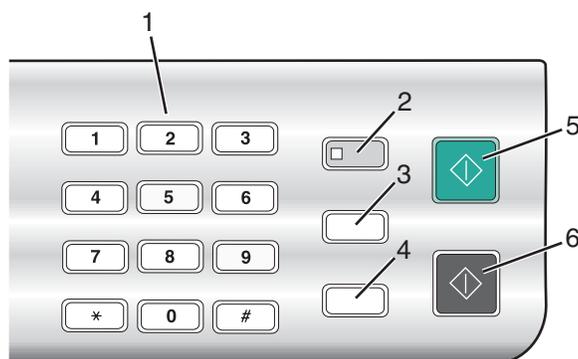## Using the control panel

The display shows:

- Printer status
- Messages
- Menus
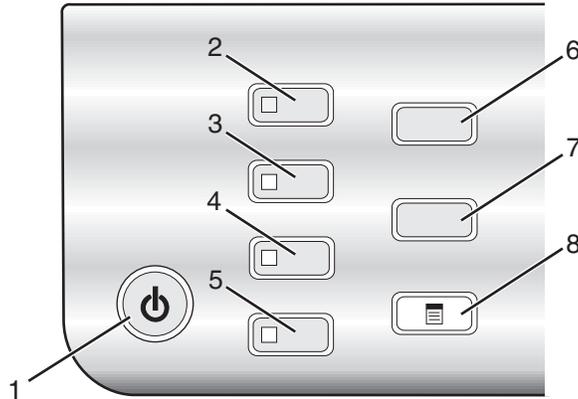
	Press	To
1	⏻	• Turn the printer on and off. • Stop the print, copy, scan, or fax process.
2	Copy Mode	Access the copy default screen and make copies. **Note:** The mode is selected when the button light is on.
3	Scan Mode	Access the scan default screen and scan documents. **Note:** The mode is selected when the button light is on.
4	Fax Mode	Access the fax default screen and send faxes. **Note:** The mode is selected when the button light is on.
5	Photo Card	Access the photo default screen and print photos. **Note:** The mode is selected when the button light is on.
6	Resize	• In Copy mode: Change the size of a copy. • In Photo Card mode: Change the size of a photo.
7	Lighter / Darker	Adjust the brightness of a copy, fax, or photo.
8	▤	Display the Copy, Scan, Fax, 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, scan, or fax job in progress. • Clear a fax number or end a fax transmission and return to the fax default screen. • Exit a menu or submenu, and return to the default copy, scan, fax, or photo card screen. • Clear current settings or error messages, and return to default settings.

	Press	To
1	A keypad number or symbol	In Copy mode or Photo Card mode: Enter the number of copies or prints you want to make. In Fax mode: • Enter fax numbers. • Navigate an automated answering system. • Select letters when creating a Speed Dial list. • Type numbers to enter or edit the date and time shown on the display.
2	Auto Answer	Set the printer to answer all incoming calls when the button light is on.
3	Pause / Redial	In Fax mode: • Display the last number dialed. Press ◀ or ▶ to view the last five numbers dialed. • Insert a three-second pause in the number to be dialed to wait for an outside line or get through an automated answering system. Enter a pause only when you have already begun entering the number.
4	Phone Book	Access any of the programmed Speed Dial numbers (1–89) or Group Dial numbers (90–99).
5	Start Color	Start a color copy, scan, fax, or photo print job, depending on which mode is selected.
6	Start Black	Start a black-and-white copy, scan, fax, or photo print job, depending on which mode is selected.

Related topics:

- "Using the Copy menu" on page 93
- "Using the Scan menu" on page 94
- "Using the Fax menu" on page 95
- "Using the Photo Card menu" on page 96

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 needed, press � repeatedly to return to the previous menus and make other setting selections.

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

Use this	To
Copies[1]	Specify how many copies to print.
Resize[1]	• Specify the percentage for enlarging or reducing the original copy. • Specify a specific copy size. • Create a multiple-page poster.
Lighter / Darker[1]	Adjust the brightness of a copy.
Quality[1]	Adjust the quality of a copy.
Paper Size	Specify the size of the paper loaded.
Paper Type	Specify the type of paper loaded.
Repeat Image[1]	Choose how many copies of an image to print on a page.
Collate	Print one or more copies in the correct order.
N-Up[1]	Choose how many pages to print on a page.
Original Size[1]	Specify the size of the original document.
Original Type[1]	Specify the type of the original document.
[1] Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 98.	

Use this	To

Tools	• Maintenance
	   – View ink levels.
	   – Clean cartridges.
	   – Align cartridges.
	   – Print a test page.
	• Device Setup—Customize printer setup settings.
	• Defaults—Customize printer settings.

[1] Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 98.	

Related topics:

- "Using the control panel" on page 90

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[1]	Adjust the quality of a scan.
Original Size[1]	Specify the size of the original document.
[1] Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 98.	

Use this	To

Tools	• Maintenance
	  – View ink levels.
	  – Clean cartridges.
	  – Align cartridges.
	  – Print a test page.
	• Device Setup—Customize printer setup settings.
	• Defaults—Customize printer settings.

[1] Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 98.	

Related topics:

- "Using the control panel" on page 90

Using the Fax menu

To access and navigate the Fax menu:

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

The fax default screen appears.

2 If you do not want to change a setting, enter the fax number and 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 needed, press ↰ repeatedly to return to the previous menus and make other setting selections.

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

Use this	To
Quality[1]	Adjust the quality of a fax you are sending.
Phone Book	Add, edit, and print names and fax numbers of individuals or groups.
On Hook Dial	Dial a telephone number while listening to the call through a speaker on the printer. This is useful when you must navigate an automated answering system before sending your fax.
[1] Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 98.	

Use this	To
Delay Fax	Enter a specific time to send a fax. **Note:** Make sure the date and time are entered correctly before setting a specific time to send a fax.
Auto Answer	Answer all incoming phone calls.
Lighter / Darker[1]	Adjust the brightness of a fax you are sending.
Fax Setup	• Print fax history or transmission status reports. • Customize settings for receiving a fax. • Select fax printing options. • Customize settings for sending a fax. • Block faxes from the numbers you specify.

Tools	• Maintenance
	  – View ink levels.
	  – Clean cartridges.
	  – Align cartridges.
	  – Print a test page.
	• Device Setup—Customize printer setup settings.
	• Defaults—Customize printer settings.

[1] Temporary setting. For information on saving temporary and other settings, see "Saving settings" on page 98.

Related topics:

- "Using the control panel" on page 90

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 needed, 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.
Photo Effects[1]	Apply red-eye reduction, color effects, or automatic image enhancement to your photos.
Paper Size[1][2]	Specify the size of the paper loaded.
Photo Size[1][2]	Specify the size photo you want.
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.
Paper Type[1][2]	Specify the type of paper loaded.

Tools	• Maintenance
	  − View ink levels.
	  − Clean cartridges.
	  − Align cartridges.
	  − Print a test page.
	• Device Setup—Customize printer setup settings.
	• Defaults—Reset printer settings to factory defaults.

[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 Note below table.	

Note: To save Paper Size, Paper Type, or Photo Size settings:

1 Press ▤.

2 Press ◀ or ▶ repeatedly until **Tools** appears.

3 Press √.

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

5 Press √.

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

7 Press √.

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

9 Press √.

Related topics:

- "Using the control panel" on page 90

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
Fax Mode	– Lighter/Darker – Quality
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 – Paper Size – Photo Size – Layout – Quality – Paper Type

To change the time-out feature:

a Press ▤.

b Press ◀ or ▶ repeatedly until **Tools** appears.

c Press √.

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

e Press √.

f Press ◀ or ▶ repeatedly until **Clear Settings Timeout** appears.

g Press √.

h Press ◀ or ▶ repeatedly until **Never** appears.

i Press √.

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

a Press ▤.

b Press ◀ or ▶ repeatedly until **Tools** appears.

c Press √.

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

e Press √.

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

g Press √.

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

i Press √.

Related topics:

- "Using the control panel" on page 90

Understanding the software

Installing the printer software

Using the CD that came with the printer:

1 Close all open software applications.

2 Insert the printer software CD.

3 From the Finder desktop, double-click the printer CD icon that automatically appears.

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

5 Follow the instructions on the computer screen.

Using the World Wide Web:

1 Go to the Lexmark Web site at **www.lexmark.com.**

2 From the home page, navigate through the menu selection, and then click **Drivers & Downloads.**

3 Choose the printer and the printer driver for your operating system.

4 Follow the instructions on the computer screen to download the driver and install the printer software.

Related topics:

- "Removing the printer software" on page 100
- "Removing and reinstalling the software" on page 146

Removing the printer software

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

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

If the folder for the printer is not found on the desktop or was accidentally deleted:

a Go to the Mac OS X drive where the printer software was installed.

b Choose **Library** ➞ **Printers** ➞ **Lexmark** ➞ **2006** ➞ **Lexmark 5400 Series** folder.

2 Double-click the **Uninstaller** icon for your printer.

3 Complete the user authentication notice, and then click **OK**.

Note: For information on passwords, click ⑦ to go to the Help Center.

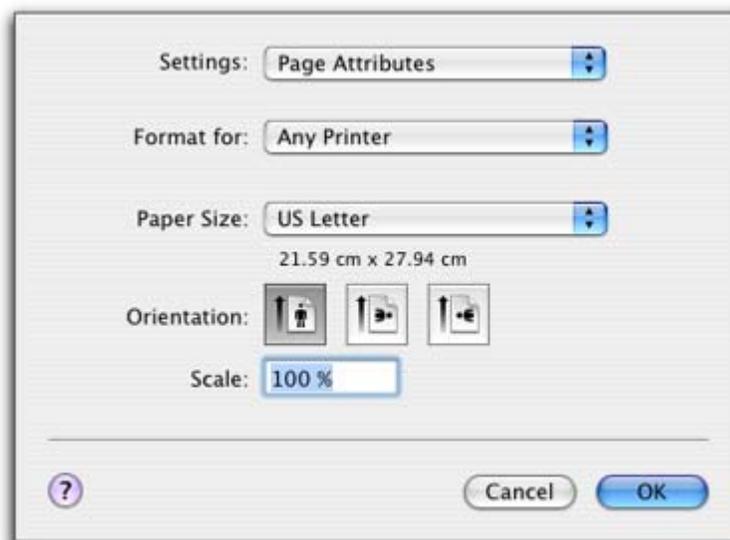**4** Click **Uninstall**.

5 Click **OK**.

Related topics:

- "Installing the printer software" on page 99

Using the Page Setup dialog

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

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

The Page Setup dialog appears.

2 Adjust the settings.

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

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

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

Related topics:
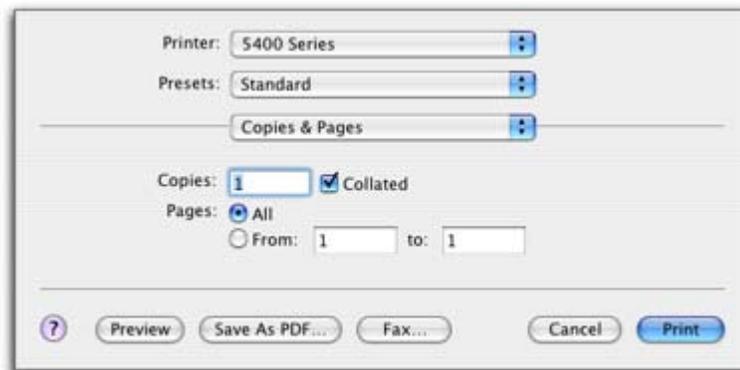
- "Using the Print dialog" on page 101

Using the Print dialog

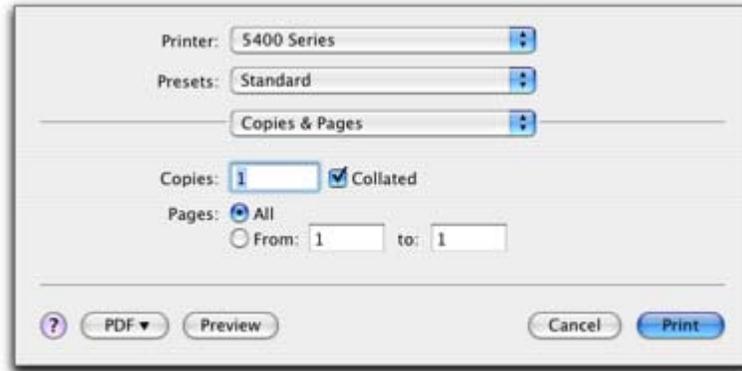You can open the Print dialog from almost any application:

1 With a document open, choose **File ➔ Print**.

The Print dialog appears.

- For Mac OS X version 10.3:

- For Mac OS X version 10.4 or later:

2 From the Printer pop-up menu, choose **5400 Series**.

3 Change the settings as needed.

From here	Choose	To
Copies & Pages	Copies	Specify the number of copies you want to print.
	Collated	Sort multiple copy jobs.
	Pages	- Print all the pages. - Print a range of pages. - Print the current page.
Layout	Pages per Sheet	Print multiple pages on a single sheet of paper.
	Layout Direction	Specify the arrangement of multiple pages on a single sheet.
	Border	Print a border around each page.
Output Options		Save the print job as a file. **Note:** Format is activated when the Save as File option is selected.
Scheduler	Print Document	Schedule a print job. You can choose to print a file immediately, put it on hold, or specify a time for the printer to print.
	Priority	Specify a priority for printing.

From here	Choose	To
Paper Handling	Page Order	Choose any of these options: • Automatic • Normal • Reverse
	Print	Choose any of these print options: • All pages • Odd numbered pages • Even numbered pages
	Destination Paper Size	Choose any of these options: • Use documents paper size • Scale to fit paper size **Note:** Scale down is activated only when the "Scale to fit paper size" option is selected.
ColorSync	Color Conversion	Select **Standard**.
	Quartz Filter	Choose a filtering option.
Color Options	Document Color	Choose a color setting. Choose **Color** or **Black Only**.
Cover Page	Printer Cover Page	Choose any of these options: • None • Before document • After document
	Cover Page Type	Choose any of these options: • Standard • Classified • Confidential • Secret • Top Secret • Unclassified
	Billing Info	Enter billing information.
Quality & Media	Paper Type	Specify the type of paper loaded.
	Print Quality	Choose a print quality.
Printer Services	Lexmark 5400 Series Utility	Go to the Utility.
	Troubleshooting	Open the Help Center.
	Order Supplies	Visit our Web site to order printer supplies.
	Contact Lexmark	Visit our Web site.
	Software Version	View the software version on installed files.

From here	Choose	To
Preview	Rotate	Choose the orientation of the photo.
	Quartz Filter	Choose any of these options: • Black and White • Blue Tone • Gray Tone • Lightness Decrease • Lightness Increase • Reduce File Size • Sepia Tone
Advanced Options	Mirror	Print the document as a mirror image.
	Automatic Image Sharpening	Reduce image blurring.
Summary		View a summary of the current print settings.

These buttons are at the bottom of the Print dialog:

Click	To
⑦	Go to the Help Center to find more information.
Preview	Get a full view of a photo, and see additional options for viewing or reviewing it prior to printing.
Save as PDF (in Mac OS X version 10.3)	Print the document to file and create a PDF.
PDF (in Mac OS X version 10.4)	Choose various PDF options for your file.
Fax (in Mac OS X version 10.3)	Fax the document.
Cancel	Exit the Print dialog without making any changes to the settings.
Print	Print a photo.

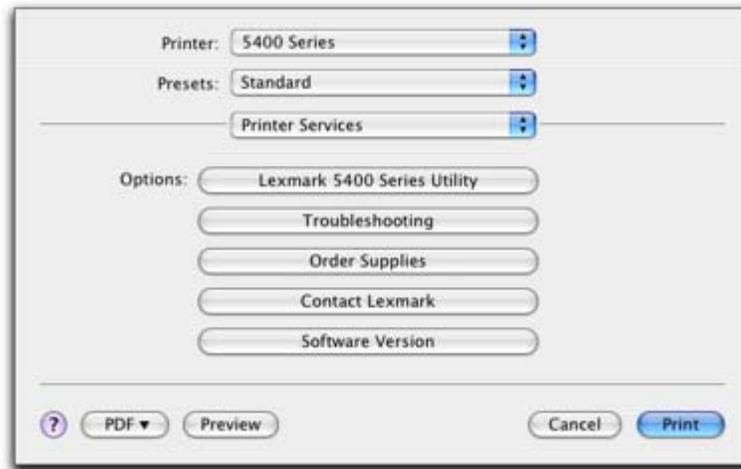**Related topics**:

- "Using the Page Setup dialog" on page 100

Using Printer Services

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

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

To access Printer Services:

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

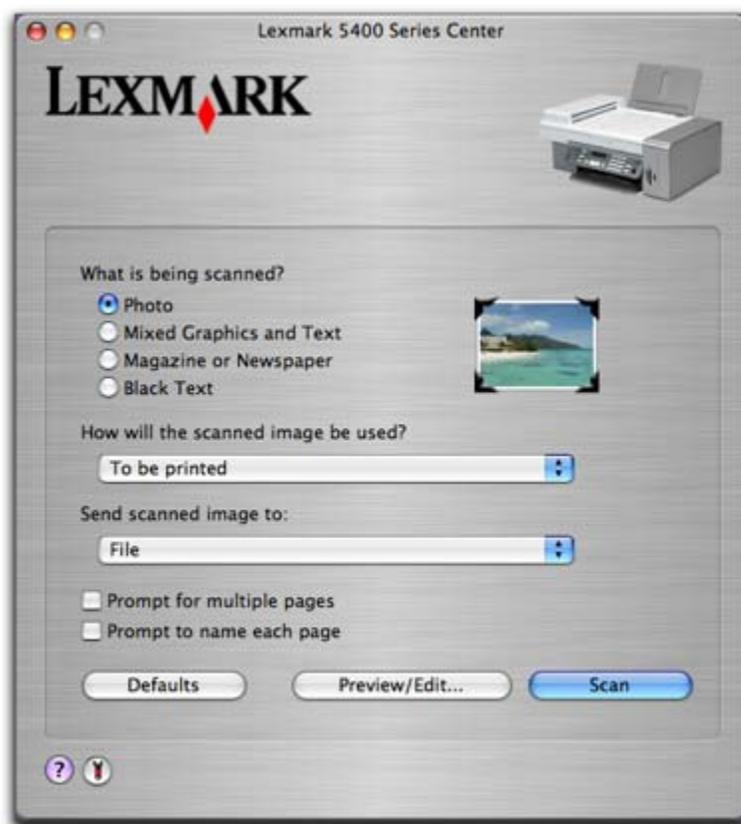**2** From the third pop-up menu from the top, choose **Printer Services**.

Related topics:

- "Using the Print dialog" on page 101
- "Using the Utility" on page 107

Using the All-In-One Center

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

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

From here	You can
What is being scanned?	Select the option closest to the type of image you are scanning. Settings are optimized based on your selection: • Photo • Mixed Graphics and Text • Magazine or Newspaper • Black Text
How will the scanned image be used?	Choose the way the scan will be used. Resolution and other settings are optimized based on your selection: • To be printed • To be viewed on monitor/Web page • To be faxed • To be edited (OCR)
Send scanned image to	Choose where to send scanned images, such as to File, to the Clipboard, or to an application. To add, remove, or modify an application in the list, see "Editing the Customize list" on page 40. For more information, see "Choosing where to send scanned images" on page 38

From here	You can
Prompt for multiple pages	Scan multiple pages using the current scan settings. You are prompted to place the next item on the scanner glass after a page is canned. If you still have more pages to scan, click **Scan**. When the multiple-page scan is complete, click **Done**. Do not select **Prompt for multiple pages** if you are scanning only a single item.
Prompt to name each page	Enter a filename for every page or item scanned.
Defaults	Revert to factory default settings.
Preview/Edit	Open the Scan dialog to view the image, and adjust the scan settings.
Scan	Start scanning.

Click ⑦ to go to the Help Center for more information. Click ⑧ to open the Utility.

Related topics:
- "Scanning" on page 27
- "Working with photos using the computer" on page 77

Using the Fax Setup Utility

Use this utility to adjust how faxes are sent and received. When you save the settings, they apply to every fax you send or receive. You can also use this utility to create and edit the Speed Dial list.

1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

2 Double-click the **Fax Setup Utility** icon.

3 From the Device menu, select your printer. Customize your settings as needed.

  Note: For a list of available options, see "Customizing settings using the Fax Setup Utility" on page 67.

4 Click **Save Settings** after you finish customizing the settings.

5 Close the Fax Setup Utility.

Related topics:
- "Customizing settings using the Fax Setup Utility" on page 67

Using the Utility

The Utility is the central source for printer maintenance and helpful Web links. From here you can:
- Install the print cartridge.
- Print a test page.
- Print an alignment page.
- Clean the print cartridge nozzles.
- Order ink or supplies.
- Register your printer.

- Contact Customer Support.
- Check for special offers.

There are two ways to open the Utility:

- From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

   Double-click the **Lexmark 5400 Series Utility** icon.

- From an application:

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

   2 From the third pop-up menu from the top, select **Printer Services**.

   3 Click **Lexmark 5400 Series Utility**.

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

   – Maintenance tab

– Web Links tab

Related topics:

- "Using Printer Services" on page 104

Maintaining the printer

Print cartridges

Installing print cartridges

1 If you are installing new print cartridges, remove the sticker and tape from the back and bottom of the cartridges.
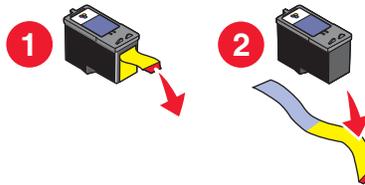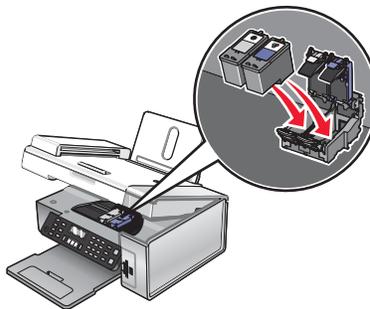

Warning—Potential Damage: Do *not* touch the gold contact area on the back or the metal nozzles on the bottom of the cartridges.
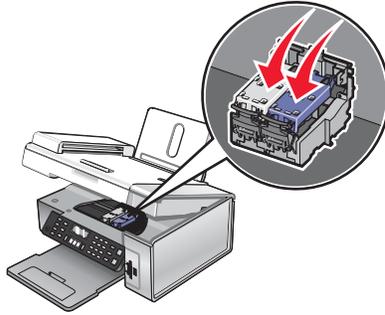
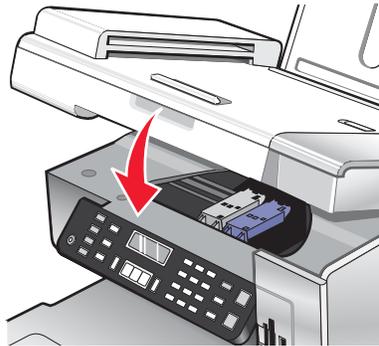2 Press down on the cartridge carrier levers to raise the cartridge carrier lids.
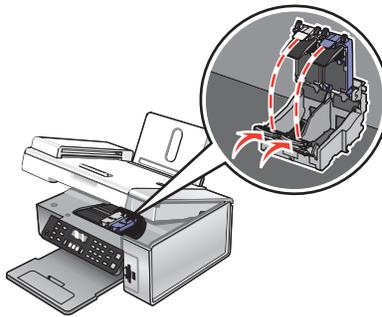
3 Insert the black cartridge or the photo cartridge in the left carrier. Insert the color cartridge in the right carrier.

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.
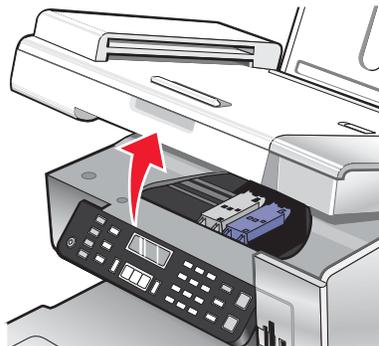
Related topics:

- "Removing a used print cartridge" on page 111
- "Aligning print cartridges" on page 112
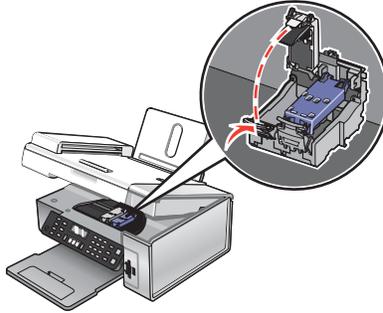
Removing a used print cartridge

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.

Related topics:

- "Installing print cartridges" on page 110

Aligning print cartridges

1 Load plain or heavyweight matte paper.

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

3 Press ▤.

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

5 Press √.

6 Press ◀ or ▶ repeatedly until **Maintenance** appears.

7 Press √.

8 Press ◀ or ▶ repeatedly until **Align Cartridges** appears

9 Press √.

An alignment page prints.

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

Related topics:

- "Cleaning the print cartridge nozzles" on page 112
- "Wiping the print cartridge nozzles and contacts" on page 113
- "Preserving the print cartridges" on page 114
- "Improving print quality" on page 115

Cleaning the print cartridge nozzles

1 Load plain paper.

2 Press **Copy Mode**.

3 Press ▤.

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

5 Press √.

6 Press ◀ or ▶ repeatedly until **Maintenance** appears.

7 Press √.

8 Press ◀ or ▶ repeatedly until **Clean Cartridges** appears.

9 Press √.

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

10 Print the document again to verify that the print quality has improved.

11 If print quality has not improved, try cleaning the nozzles up to two more times.
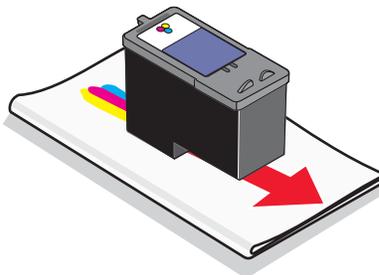
Related topics:

- "Wiping the print cartridge nozzles and contacts" on page 113
- "Improving print quality" on page 115
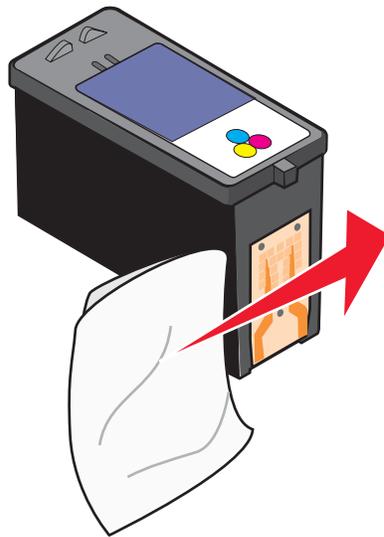
Wiping the print cartridge nozzles and contacts

1 Remove the print cartridges.

2 Dampen a clean, lint-free cloth with water.

3 Gently hold the cloth against the nozzles for about three seconds, and then wipe in the direction shown.

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

5 With another clean section of the cloth, repeat step 3 and step 4.

6 Let the nozzles and contacts dry completely.

7 Reinsert the print cartridges.

8 Print the document again.

9 If the print quality does not improve, clean the print nozzles. For more information, see "Cleaning the print cartridge nozzles" on page 112.

10 Repeat step 9 up to two more times.

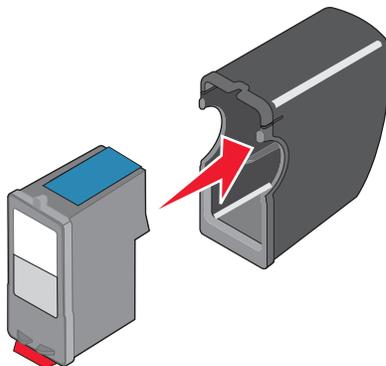**11** If print quality is still not satisfactory, replace the print cartridges.

Related topics:
- "Cleaning the print cartridge nozzles" on page 112
- "Preserving the print cartridges" on page 114

Preserving the print cartridges

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

- Keep the photo cartridge in its own storage unit when not in use.

Related topics:

- "Cleaning the print cartridge nozzles" on page 112
- "Wiping the print cartridge nozzles and contacts" on page 113

Improving print quality

If you are not satisfied with the print quality of a document, make sure you:

- Use the appropriate paper for the document. If you are printing photos or other high quality images, for best results use Lexmark Premium Photo Paper or Lexmark Photo Paper.
- Use a paper that is a heavier weight or bright white.
- Select a higher print quality.

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

1 Align the print cartridges. For more information, see "Aligning print cartridges" on page 112.

If print quality has not improved, continue to step 2.

2 Clean the print cartridge nozzles. For more information, see "Cleaning the print cartridge nozzles" on page 112.

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

3 Remove and reinsert the cartridges. For more information, see "Removing a used print cartridge" on page 111 and "Installing print cartridges" on page 110.

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

4 Wipe the print cartridge nozzles and contacts. For more information, see "Wiping the print cartridge nozzles and contacts" on page 113.

If print quality is still not satisfactory, replace the cartridge. For more information, see "Ordering supplies" on page 116.

Related topics:

- "Choosing a print quality" on page 16

Cleaning the scanner glass

1 Dampen a clean, lint-free cloth with water.

2 Gently wipe the scanner glass clean.

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

Related topics:
- "Improving print quality" on page 115
- "Maintaining the printer" on page 110

Refilling a print cartridge

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

Using genuine Lexmark print cartridges

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

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

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

1 Click **Learn More** on the message.

2 Click **Report a non-Lexmark print cartridge**.

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

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

Ordering supplies

Ordering cartridges

Lexmark 5490 Series models

Item	Part number	Average cartridge standard page yield is up to[1]
Black cartridge[2]	28	215
Color cartridge[2]	29	185
[1] Values obtained by continuous printing. Declared yield value in accordance with ISO/IEC 24711 (FDIS). [2] Licensed Return Program Cartridge		

Item	Part number	Average cartridge standard page yield is up to[1]
Black cartridge	28A	215
Color cartridge	29A	185
High yield black cartridge	34	550
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 5400 Series models (except Lexmark 5490)

Item	Part number
Black cartridge	32
Color cartridge	33
High-yield black cartridge	34
High-yield color cartridge	35
Photo cartridge	31

Ordering paper and other supplies

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

Notes:

- For best results when printing photos or other high-quality images, use Lexmark Premium Photo Paper or Lexmark Photo Paper.
- To prevent smudging, avoid touching the surface of a printed photo. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

To order a USB cable (part number 1021294), go to **www.lexmark.com**.

Paper	Paper size
Lexmark Premium Photo Paper	- 4 x 6 in. - 10 x 15 cm - Letter - A4 - L
Lexmark Photo Paper	- 4 x 6 in. - 10 x 15 cm - Letter - A4

Related topics:

- "Contacting Customer Support" on page 120
- "Using the Utility" on page 107

Finding information about the printer

Setup sheet

Description	Where to find
The *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 and some basic instructions for using the printer. 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 your printer's Help instead.	You can find this document in the printer box or on the Lexmark Web site at **www.lexmark.com**.

Utility and Printer Services

Description	Where to find
The Utility and Printer Services provide information on general maintenance and other related tasks.	You can access these in the Print dialog from any software application. For more information, see "Using the Utility" on page 107.

Help

Description	Where to find
If your printer connects to a computer, the Help gives you instructions for using the printer and other information such as: • Using the software • Loading paper • Printing • Working with photos • Scanning (if supported by your printer) • Making copies (if supported by your printer) • Faxing (if supported by your printer) • Maintaining the printer • Connecting the printer to a network (if supported by your printer) • Troubleshooting problems with printing, copying, scanning, faxing, paper jams, and misfeeds	When you install the printer software, your printer's Help will be installed. **1** From the Finder desktop, double-click the **Lexmark 5400 Series** folder. **2** Double-click the printer Help icon.

Customer support

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

Telephone support	Call us at
	
	• US: 1-800-332-4120
	  Monday–Friday (8:00 AM–11:00 PM EST)
	  Saturday (Noon–6:00 PM EST)
	• Canada: 1-800-539-6275
	  Monday–Friday (9:00 AM–9:00 PM EST)
	  Saturday (Noon–6:00 PM EST)
	• Mexico: 001-888-377-0063
	  Monday–Friday (8:00 AM–8:00 PM EST)
	
	Note: 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

Contacting Customer Support

How do I contact Lexmark Customer Support?

Call us at:
- US: 1–800-332-4120

  Monday–Friday (8:00 AM–11:00 PM EST)

  Saturday (Noon–6:00 PM EST)
- Canada: 1-800-539-6275

  Monday–Friday (9:00 AM–9:00 PM EST)

  Saturday (Noon–6:00 PM EST)
- Mexico: 001-888-377-0063

  Monday–Friday (8:00 AM–8:00 PM EST)

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

Is contact information available online?

Yes. You can access the Lexmark home page on the World Wide Web at **http://www.lexmark.com**.
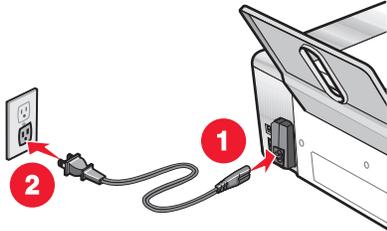
Troubleshooting

Setup troubleshooting

Incorrect language appears on the display

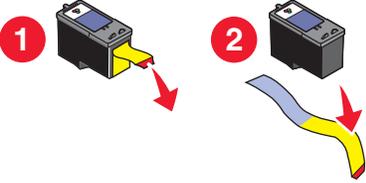| Correcting a language selection during initial setup	After you select a language, **Language** appears again on the display. To change the selection: 1 Press ◀ or ▶ repeatedly until the language you want appears on the display. 2 Press √ to save.
Selecting a different language after initial setup	1 From the control panel, press **Copy Mode**. 2 Press ▤. 3 Press ◀ or ▶ repeatedly until **Tools** appears. 4 Press √. 5 Press ◀ or ▶ repeatedly until **Device Setup** appears. 6 Press √. 7 Press ◀ or ▶ repeatedly until **Language** appears. 8 Press √. 9 Press ◀ or ▶ repeatedly until the language you want appears on the display. 10 Press √ to save. **Note:** If you cannot understand the language on the display, see "Resetting to factory default settings" on page 146.

Power button is not lit

Check power connection	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

Check your operating system	The following operating systems are supported: Windows 98/Me, Windows 2000, Windows XP, and Mac OS X.
Check your system requirements	Check that your computer meets the minimum system requirements listed on the box.
USB cable may not be connected	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.
Use these steps to install the printer software	1 Close all open software applications. 2 Insert the printer software CD. 3 From the Finder desktop, double-click the printer CD icon that automatically appears. 4 Double-click the **Install** icon. 5 Follow the instructions on the computer screen.
May need to 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.
Other software may be running	1 Close all open software applications. 2 Disable any anti-virus programs. 3 Remove the printer software CD from the CD-ROM drive. 4 Restart the computer. 5 When the desktop appears, reinsert the printer software CD. The CD icon is created on the desktop. 6 Follow the instructions on the computer screen to install the software.

Software may not be installed correctly	1 Uninstall the printer software, and then reinstall it. For more information, see "Removing and reinstalling the software" on page 146.
	2 If the software still does not install correctly, visit our Web site at **www.lexmark.com** to check for the latest software.
	  a In all countries or regions except the United States, select your country or region.
	  b Click the links for drivers or downloads.
	  c Select your printer family.
	  d Select your printer model.
	  e Select your operating system.
	  f Select the file you want to download, and then follow the directions on the computer screen.

Page does not print

Check messages	If an error message is displayed, see "Error messages" on page 138.
Check power	If the ⏻ light is not on, see "Power button is not lit" on page 121.
Paper may not be loaded correctly	Remove and then load paper.
Check ink	Check the ink levels, and install new print cartridges if necessary.
Cartridges may have tape on them	**1** Remove the print cartridges. **2** Make sure the sticker and tape have been removed. **3** Reinsert the cartridges.
Make sure the printer is set as the default printer and is not on hold or paused	**To set printer as default:** **1** From the Finder desktop, choose **Applications** ➜ **Utilities** ➜ **Print Center/Printer Setup Utility**. **2** From the Printer List dialog, select your printer. **3** Click the **Make Default** icon. **To resume print jobs:** **1** From the Finder desktop, choose **Applications** ➜ **Utilities** ➜ **Print Center/Printer Setup Utility**. **2** From the list of printers, double-click your printer. **3** From the printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in the queue; if you want to resume a particular print job, select the document name, and then click **Resume**.
May need to 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.

Software may not be installed correctly	**1** Uninstall the printer software, and then reinstall it. For more information, see "Removing and reinstalling the software" on page 146.
	2 If the software still does not install correctly, visit our Web site at **www.lexmark.com** to check for the latest software.
	a In all countries or regions except the United States, select your country or region.
	b Click the links for drivers or downloads.
	c Select your printer family.
	d Select your printer model.
	e Select your operating system.
	f Select the file you want to download, and then follow the directions on the computer screen.

Cannot print from digital camera using PictBridge

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 PictBridge-enabled	**1** Disconnect the camera.
	2 Connect a PictBridge-enabled digital camera to the PictBridge port. See the digital camera documentation to determine whether it is PictBridge-enabled.
Check USB cable	Use only the USB cable that came with the camera.
Remove memory cards	Remove any memory cards from the printer.
Check messages	If an error message appears on the display, see "Error messages" on page 138.

Print troubleshooting

Improving print quality

If you are not satisfied with the print quality of a document, make sure you:

- Use the appropriate paper for the document. If you are printing photos or other high quality images, for best results use Lexmark Premium Photo Paper or Lexmark Photo Paper.
- Use a paper that is a heavier weight or bright white.
- Select a higher print quality.

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

1 Align the print cartridges. For more information, see "Aligning print cartridges" on page 112.

   If print quality has not improved, continue to step 2.

2 Clean the print cartridge nozzles. For more information, see "Cleaning the print cartridge nozzles" on page 112.

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

3 Remove and reinsert the cartridges. For more information, see "Removing a used print cartridge" on page 111 and "Installing print cartridges" on page 110.

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

4 Wipe the print cartridge nozzles and contacts. For more information, see "Wiping the print cartridge nozzles and contacts" on page 113.

If print quality is still not satisfactory, replace the cartridge. For more information, see "Ordering supplies" on page 116.

Related topics:

- "Choosing a print quality" on page 16

Poor text and graphic quality

- Blank pages
- Dark print
- Faded print
- Incorrect colors
- Light and dark bands in print

- Skewed lines
- Smudges
- Streaks
- White lines in print

Check ink	Check the ink levels, and install new print cartridges if necessary.
Review steps to improve print quality	See "Improving print quality" on page 115.
Remove sheets as they are printed	To avoid ink smudging when you are working with the following media, remove each sheet as it exits, and allow it to dry: • Documents with graphics or images • Photo paper • Heavyweight matte or glossy paper • Transparencies • Labels • Envelopes • Iron-on transfers **Note:** Transparencies may take up to 15 minutes to dry.
Use a different brand of paper	Each paper brand accepts ink differently and prints with color variations. If you are printing photos or other high-quality images, for best results use Lexmark Premium Photo Paper or Lexmark Photo Paper.
Check paper condition	Use only new, unwrinkled paper.
Software may not be installed correctly	For more information, see "Software may not be installed correctly" on page 122.

Poor quality at the edges of the page

Check minimum print settings	Unless you are using the borderless feature, use these minimum print margin settings:
	• Left and right margins:
	  – 6.35 mm (0.25 in.) for letter size paper
	  – 3.37 mm (0.133 in.) for all paper sizes except letter
	• Top margin: 1.7 mm (0.067 in.)
	• Bottom margin: 12.7 mm (0.5 in.)

Select the Borderless print feature	1 With a document open, choose **File ➜ Page Setup**. 2 From the "Format for" pop-up menu, choose **5400 Series**. 3 From the Paper Size pop-up menu, choose the paper size loaded. **Note:** Make sure you choose an option that has (Borderless) in it. For example, if you loaded letter-size photo paper, choose **US Letter (Borderless)**. 4 Choose an orientation. 5 Click **OK**.
Be sure paper size matches the printer setting	1 From the software application, click **File ➜ Page Setup**. 2 From the "Format for" pop-up menu, choose **5400 Series**. 3 From the Paper Size pop-up menu, check the paper size.
Clean print cartridge nozzles	For more information, see "Cleaning the print cartridge nozzles" on page 112.

Print speed is slow

Maximize computer processing speed	Close all applications not in use.
	Try minimizing the number and size of graphics and images in the document.
	Remove as many unused fonts as possible from your system.
Add memory	Consider purchasing more RAM.
Select a lower print quality	1 From the software application, click **File ➜ Print**. 2 From the Copies & Pages pop-up menu, choose **Quality and Media**. 3 From the Print Quality area, select **Normal**.
Software may not be installed correctly	For more information, see "Software may not be installed correctly" on page 122.

Partial document or photo prints

Check document placement	Make sure the document or photo is loaded facedown on the scanner glass in the upper left-hand corner.
Check paper size	Make sure the paper size being used matches the size you selected.

Photo smudges

Photo smudges	To prevent smudging, avoid touching the surface of a printed photo. For best results, remove each printed sheet individually from the paper exit tray, and allow the prints to dry at least 24 hours before stacking, displaying, or storing.

Copy troubleshooting

Copier does not respond

Check messages	If an error message is displayed, see "Error messages" on page 138.
Check power	If the ⏻ light is not on, see "Power button is not lit" on page 121.
Software may not be installed correctly	For more information, see "Software may not be installed correctly" on page 124.

Scanner unit does not close

Check for obstructions	1 Lift the scanner unit.
	2 Remove any obstruction keeping the scanner unit open.
	3 Lower the scanner unit.

Poor copy quality

- Blank pages
- Checkerboard pattern
- Distorted graphics or pictures
- Missing characters
- Faded print
- Dark print

- Skewed lines
- Smudges
- Streaks
- Unexpected characters
- White lines in print

Check messages	If an error message is displayed, see "Error messages" on page 138.
Check ink	Check the ink levels, and install a new print cartridge if necessary.
Clean the scanner glass	If the scanner glass is dirty, gently wipe it with a clean, lint-free cloth dampened with water.
Review steps to improve print quality	See "Improving print quality" on page 115.
Adjust the brightness of the copy	1 Load the document facedown on the scanner glass.
	2 From the control panel, press **Copy Mode**.
	3 Press **Lighter/Darker**.
	4 Press ◄ or ► repeatedly to lighten or darken the copy.
	5 Press **Start Color** or **Start Black**.

Check quality of original document	If the quality of the original document is not satisfactory, try using a clearer version of the document or image.
Are you scanning from a newspaper, magazine, or glossy paper?	If you are copying or scanning from a newspaper, magazine, or glossy paper, see "Scanning clear images from magazines or newspapers" on page 34.
Check document placement	Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.

Partial document or photo copies

Check document placement	Make sure the document or photo is loaded facedown on the scanner glass in the upper left-hand corner.
Check paper size	Make sure the paper size being used matches the size you selected.
Check Original Size setting	Make sure that the Original Size setting is `Automatic` or the size of the original document that you are copying.

Scan troubleshooting

Scanner does not respond

Check messages	If an error message is displayed, see "Error messages" on page 138.
Check power	If the ⏻ light is not on, see "Power button is not lit" on page 121.
Make sure the printer is set as the default printer and is not on hold or paused	**To set printer as default:** **1** From the Finder desktop, choose **Applications ➞ Utilities ➞ Print Center/Printer Setup Utility**. **2** From the Printer List dialog, select your printer. **3** Click the **Make Default** icon. **To resume print jobs:** **1** From the Finder desktop, choose **Applications ➞ Utilities ➞ Print Center/Printer Setup Utility**. **2** From the list of printers, double-click the name of your printer. **3** From the printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in the queue; if you want to resume a particular print job, select the document name, and then click **Resume**.
Software may not be installed correctly	For more information, see "Software may not be installed correctly" on page 124.

Scan was not successful

USB cable may not be connected	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.
Reboot computer	Turn off and then restart your computer.
Software may not be installed correctly	For more information, see "Software may not be installed correctly" on page 124.

Scanning takes too long or freezes the computer

Other software may be running	Close all programs not being used.
Change the scanning resolution to a lower value	1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder. 2 Double-click the **Lexmark 5400 Series Center** icon. 3 Click **Preview/Edit** to open the Scan dialog. 4 Click ⚙ to open the Scan Setup drawer. 5 From the Resolution (DPI) pop-up menu on the Settings tab, choose a lower scanning resolution value.

Poor scanned image quality

Check messages	If an error message is displayed, see "Error messages" on page 138.
Clean the scanner glass	If the scanner glass is dirty, gently wipe it with a clean, lint-free cloth dampened with water.
Adjust the quality of the scan	1 From the Finder desktop, double-click the **Lexmark 5400 Series** folder. 2 Double-click the **Lexmark 5400 Series Center** icon. 3 Click **Preview/Edit**. 4 Click ⚙ to open the Scan Setup drawer. 5 From the Resolution (DPI) pop-up menu on the Settings tab, select a higher resolution. 6 Click ▶.
Review steps to improve print quality	See "Improving print quality" on page 115.
Are you scanning from a newspaper, magazine, or glossy paper?	If you are copying or scanning from a newspaper, magazine, or glossy paper, see "Scanning clear images from magazines or newspapers" on page 34.
Check quality of original document	If the quality of the original document is not satisfactory, try using a clearer version of the document or image.

Check document placement	Make sure the document or photo is loaded facedown on the scanner glass in the upper left-hand corner.

Partial document or photo scans

Check document placement	Make sure the document or photo is loaded facedown on the scanner glass in the upper left-hand corner.
Check paper size	Make sure the paper size being used matches the size you selected.
Check Original Size setting	Make sure the Original Size setting is `Auto Detect` or the size of the original document you are scanning.

Cannot scan to an application

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

Fax troubleshooting

Cannot send or receive a fax

Check messages	If an error message is displayed, follow the instructions on the error message dialog.
Check power	If the ⏻ light is not on, see "Power button is not lit" on page 121.
Check cable connections	Make sure cable connections for the following hardware are secure, if applicable: • Power supply • Telephone • Handset • Answering machine
Check the telephone wall jack	1 Plug a telephone into the wall jack. 2 Listen for a dial tone. 3 If you do not hear a dial tone, plug a different telephone into the wall jack. 4 If you still do not hear a dial tone, plug a telephone into a different wall jack. 5 If you hear a dial tone, connect the printer to that wall jack.

Review digital phone service checklist	The fax modem is an analog device. Certain devices can be connected to the printer so that digital telephone services can be used. • If you are using an ISDN telephone service, connect the printer to an analog telephone port (an R-interface port) on an ISDN terminal adapter. For more information and to request an R-interface port, contact your ISDN provider. • If you are using DSL, connect to a DSL filter or router that will support analog use. For more information, contact your DSL provider. • If you are using a PBX telephone service, make sure you are connecting to an analog connection on the PBX. If none exists, consider installing an analog telephone line for the fax machine. For more information on faxing when using a PBX telephone service, see "Setting up to fax while behind a PBX" on page 63.
Verify dial tone	• Place a test call to the telephone number to which you want to send a fax to make sure that it is working correctly. • If the telephone line is being used by another device, wait until the other device is finished before sending a fax. • If you are using the On Hook Dial feature, turn up the volume to verify a dial tone.
Disconnect other equipment temporarily	To ensure the printer is working correctly, connect it directly to the telephone line. Disconnect any answering machines, computers with modems, or telephone line splitters.
Check for paper jams	Check for and clear any paper jams.
Disable Call Waiting temporarily	Call Waiting can disrupt fax transmissions. Disable this feature before sending or receiving a fax. Call your telephone company to obtain the keypad sequence for temporarily disabling Call Waiting.
Do you have Voice Mail service?	Voice Mail offered through your local telephone company may disrupt fax transmissions. To enable both Voice Mail and the printer to answer calls: • See "Setting the distinctive ring" on page 62. Setting selections include single ring, double ring, triple ring, and any ring. • Consider adding a second telephone line for the printer.
Check country code	Make sure the country code has been set for the country or region where you are operating the printer: 1 From the control panel, press **Fax Mode**. 2 Press ▤. 3 Press ◀ or ▶ repeatedly until **Tools** appears. 4 Press √. 5 Press ◀ or ▶ repeatedly until **Device Setup** appears. 6 Press √. 7 Press ◀ or ▶ repeatedly until **Country Code** appears. 8 Press √. 9 Press ◀ or ▶ repeatedly until the country or region where you are operating the printer appears. 10 Press √ to save the setting.

Is your printer memory full?	**1** Dial the receiving number. **2** Scan the original document one page at a time.

Can send but not receive faxes

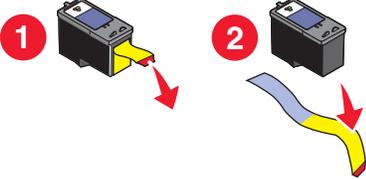|	
Load paper	Load paper to print any faxes that have been stored in the printer.
Check the Auto Answer button	If the Auto Answer light is on: • The printer will answer after the preset number of telephone rings. • If you are using a distinctive ring, see "Setting the distinctive ring" on page 62.
Check ink	Check the ink levels, and install a new cartridge if necessary.
Check whether Fax Forwarding is selected	**1** From the control panel, press **Fax Mode**. **2** Press ▤. **3** Press ◀ or ▶ repeatedly until **Fax Setup** appears. **4** Press √. **5** Press ◀ or ▶ repeatedly until **Ringing and Answering** appears. **6** Press √. **7** Press ◀ or ▶ repeatedly until **Fax Forward** appears. **8** Press √. **9** Press ◀ or ▶ repeatedly to view the current Fax Forwarding setting. **10** To turn off Fax Forwarding, press ◀ or ▶ repeatedly until **Off** appears. **11** Press √ to save the setting.

Can receive but not send faxes

Check mode selection	To make sure the printer is set for faxing, press **Fax Mode**.
Check document placement	Load the original document facedown in the ADF or in the upper left corner of the scanner glass.

Check the Dial Prefix setting	1 From the control panel, press **Fax Mode**. 2 Press ▤. 3 Press ◄ or ► repeatedly until `Fax Setup` appears. 4 Press √. 5 Press ◄ or ► repeatedly until `Dialing and Sending` appears. 6 Press √. 7 Press ◄ or ► repeatedly until `Dial Prefix` appears. 8 Press √. 9 To change the setting, press ◄ or ► repeatedly until `Create` appears. 10 Press √. 11 Enter the prefix to be dialed before each telephone number. 12 Press √.
Check Speed Dial number	• Check to make sure Speed Dial has been programmed for the number that you wish to dial. See "Setting up Speed Dial using the computer" on page 60. • As an alternative, dial the telephone number manually.

Be sure that printer is detecting a dial tone	• See "Sending a fax while listening to a call (On Hook Dial)" on page 57.
	• Check the Dial Method setting.
	  1 Listen for a dial tone. If you hear a dial tone but the printer hangs up without dialing, this means it did not recognize the dial tone.
	  2 From the control panel, press **Fax Mode**.
	  3 Press ▤.
	  4 Press ◄ or ► repeatedly until `Fax Setup` appears.
	  5 Press √.
	  6 Press ◄ or ► repeatedly until `Dialing and Sending` appears.
	  7 Press √.
	  8 Press ◄ or ► repeatedly until `Dial Method` appears.
	  9 Press √.
	  10 Press ◄ or ► repeatedly until `Dial Behind PBX` appears.
	  11 Press √ to save this setting.

Printer receives a blank fax

Check original	Ask the sender to verify the original document was loaded correctly.
Check ink	Check the ink levels, and install a new print cartridge if necessary.

Cartridges may have tape on them	**1** Remove the print cartridges. **2** Make sure the sticker and tape have been removed. **3** Reinsert the print cartridges.

Received fax has poor print quality

Review checklist for sender	• Check that the quality of the original document is satisfactory. • Resend the fax. There may have been a problem with the quality of the telephone line connection. • Increase the fax scan resolution.
Check ink	Check the ink levels and install a new print cartridge if necessary.
Decrease the transmission speed	**1** From the control panel, press **Fax Mode**. **2** Press ▤. **3** Press ◀ or ▶ repeatedly until **Fax Setup** appears. **4** Press √. **5** Press ◀ or ▶ repeatedly until **Dialing and Sending** appears. **6** Press √. **7** Press ◀ or ▶ repeatedly until **Max Send Speed** appears. **8** Press √. **9** Press ◀ or ▶ to select a lower transmission speed. **10** Press √ to save the setting. **11** Resend the fax. **12** If the problem persists, repeat step 1 through step 11 to resend the fax at successively lower transmission speeds. **Note:** 2400 bps is the lowest transmission speed. **Notes:** • The lower the transmission speed, the longer it will take your fax to print. • This solution will reduce the speed for future faxes until you reset the transmission speed.

Caller ID information is not displayed

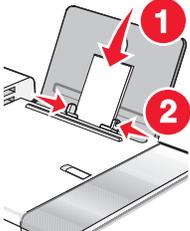| Caller ID pattern may not be set correctly	The printer supports two distinct Caller ID patterns: Pattern 1 (FSK) and Pattern 2 (DTMF). Depending on the country or region you live in and the telecommunications company you subscribe to, you may need to switch the pattern in order for the printer to display Caller ID information. For more information, see "Using Caller ID" on page 58.

Jams and misfeeds troubleshooting

Paper jams

Is the jam in the paper support?	**1** Press ⏻ to turn off the printer. **2** Firmly grasp the paper, and gently pull it out. **3** Press ⏻ to turn the printer back on.
Is the jam in the Automatic Document Feeder (ADF)?	**1** Flip open the ADF by grasping the notch in the left side of the ADF and pulling up. **2** Firmly grasp the paper, and gently pull it out. **3** Close the ADF. **4** Press √.
Is the jam in the printer?	To automatically eject the paper: **1** Press and hold √. **2** Remove the paper from the paper exit tray.
	To manually remove the paper: **1** Press ⏻ to turn off the printer. **2** Firmly grasp the paper, and gently pull it out. **3** Press ⏻ to turn the printer back on.

Paper or specialty media misfeeds

If paper or specialty media misfeeds or skews, or if multiple sheets feed or stick together, try the following solutions.

Check paper condition	Use only new, unwrinkled paper.
Check paper loading	• Load a smaller amount of paper into the printer. • Load paper with the print side facing you. (If you are not sure which side is the printable side, see the instructions that came with the paper.) See "Loading various paper types" on page 5 for information about: • Maximum loading amounts per paper type • Specific loading instructions for supported paper and specialty media
Remove each page as it is printed	Remove each page as it exits, and let it dry completely before stacking.

Adjust the paper guides	Adjust the paper guides:
	• When using media less than 8.5 inches wide
	• To rest against the edges of the paper or media, making sure it does not buckle

Printer does not feed paper, envelopes, or specialty media

Check for paper jams	Check for and clear any paper jams. For more information, see "Paper jams" on page 135.
Check media loading	• Verify that the specialty media is loaded correctly. For more information, see "Loading various paper types" on page 5.
	• Try loading one page, envelope, or sheet of specialty media at a time.
Make sure the printer is set as the default printer and is not on hold or paused	**To set printer as default:**
	1 From the Finder desktop, choose **Applications** ➡ **Utilities** ➡ **Print Center/Printer Setup Utility**.
	2 From the Printer List dialog, select your printer.
	3 Click the **Make Default** icon.
	To resume print jobs:
	1 From the Finder desktop, choose **Applications** ➡ **Utilities** ➡ **Print Center/Printer Setup Utility**.
	2 From the list of printers, double-click the name of your printer.
	3 From the printer pop-up menu, click **Start Jobs** if you want to resume all print jobs in the queue; if you want to resume a particular print job, select the document name, and then click **Resume**.

Banner paper jams

Clear banner paper jams	**1** Press ⏻ to turn off the printer.
	2 Remove the jammed banner paper from the printer.

Preventing banners from jamming	To keep a banner print job from jamming:
	• Use only the number of sheets needed for the banner.
	• Select the following settings to enable the printer to feed paper continuously without jamming:
	  1 With your document open, choose **File** ➞ **Page Setup**.
	  2 From the Settings pop-up menu, choose **Page Attributes**.
	  3 From the "Format for" pop-up menu, choose the printer.
	  4 From the Paper Size pop-up menu, choose **A4 Banner** or **US Letter Banner**.
	  5 Select an orientation.
	  6 Click **OK**.

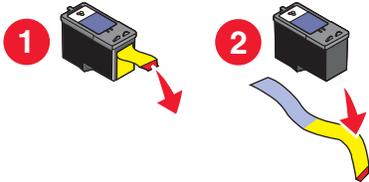# Memory card reader and PictBridge troubleshooting

Memory card cannot be inserted

Check memory card type	Make sure that the type of memory card you are using can be used in the printer. For more information, see "Inserting a memory card" on page 70.
Check memory card placement	See "Inserting a memory card" on page 70 to determine which slot accommodates your memory card and to see instructions on how to insert it.

Nothing happens when memory card is inserted

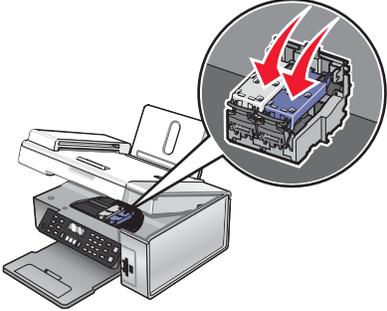| Check memory card placement	See "Inserting a memory card" on page 70 to determine which slot accommodates your memory card and to see instructions on how to insert it.
Check memory card type	Make sure that the type of memory card you are using can be used in the printer. See "Inserting a memory card" on page 70.
Memory card may be damaged	Check that there is no obvious damage to the memory card.
A digital camera may be connected	Disconnect the PictBridge-enabled digital camera from the printer.
USB cable may not be connected	**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.

Error messages

`Alignment problem` (tape on cartridge)	**1** Remove the print cartridge. **2** Make sure the sticker and tape have been removed. **3** Reinsert the cartridge. **4** Press √ to align the cartridge. For more information, see "Aligning print cartridges" on page 112.
`Alignment problem` (used paper)	Load only plain, unmarked paper for aligning the cartridge. The printer will read any markings on used paper, which could cause the alignment error message to appear.
`Black Ink Low / Color Ink Low / Photo Ink Low`	**1** Check the indicated ink level or levels, and install a new cartridge or cartridges, if necessary. To order supplies, see "Ordering supplies" on page 116. **2** Press √ to continue.
`Black Cartridge replacement required / Color Cartridge replacement required / Color and Black Cartridge replacement required`	A new cartridge needs to be installed. If available, click the **Continue** button on your computer screen to print using the remaining print cartridge. (The Continue button is available only at the beginning of a print job.) **Note:** A variable amount of ink remains in the cartridge.
`Cartridge Error` • **`1102`** • **`1203`** • **`1204`** or • **`120F`** (Procedure 1)	**Procedure 1** **1** Remove the print cartridges, and close the cartridge carrier lids. **2** Disconnect the power cord from the electrical outlet. **3** Reconnect the power cord to the electrical outlet. **4** If the ⏻ button is not lit, press ⏻. **5** Reinsert the print cartridges. **6** If the error: • Does not reappear, the problem has been corrected. • Reappears, one of the cartridges is not working properly. Continue with Procedure 2.

Cartridge Error	Procedure 2

• **1102**
• **1203**
• **1204**
  or
• **120F**
(Procedure 2)
	Follow this procedure to determine which cartridge is not working properly.
	1 Remove the print cartridges, and close the cartridge carrier lids.
	2 Disconnect the power cord from the electrical outlet.
	3 Reconnect the power cord to the electrical outlet.
	4 If the ⏻ button is not lit, press ⏻.
	5 Reinsert the black (or photo) print cartridge.
	6 If the error:
	  • Reappears, replace the black (or photo) print cartridge with a new one.
	  • Does not reappear, reinsert the color print cartridge.
	7 If the error reappears, replace the color print cartridge with a new one.

Clear Carrier Jam (remove obstructions)	**1** Raise the scanner unit. **2** Remove any objects blocking the path of the cartridge carrier. **3** Make sure the cartridge carrier lids are closed. **4** Close the scanner unit. **5** Press √.

Clear Carrier Jam (remove cartridges)	1 Press ⏻ to turn the printer off.
	2 Disconnect the power cord from the wall outlet.
	3 Raise the scanner unit.
	4 Remove both print cartridges. For more information, see "Removing a used print cartridge" on page 111.
	5 Make sure the cartridge carrier lids are closed.
	6 Close the scanner unit.
	7 Plug the power cord into the wall outlet.
	8 Press ⏻ to turn the printer on.
	9 Reinstall the print cartridges. For more information, see "Installing print cartridges" on page 110.
Computer not connected	Make sure your computer is connected and turned on.
	1 Check the USB cable for any obvious damage.
	2 Firmly plug the square end of the USB cable into the USB port on 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 ●⟵ .
	If you are using an ENA, make sure it is connected. For more information, see the print server documentation.
Could not detect a proof sheet.	The document placed on the scanner glass is not a valid proof sheet. For more information, see "Printing photos stored on a memory device using the proof sheet" on page 73.
Error 1104	1 Remove the print cartridges.
	2 Reinstall the black cartridge or the photo cartridge in the left carrier.
	3 Reinstall the color cartridge in the right carrier.
Failed to Connect (phone line checklist)	Resend the fax. There may have been a problem with the quality of the telephone line connection.
	Place a test call to the telephone number to which you want to send a fax to make sure that it is working correctly.
	If the telephone line is being used by another device, wait until the other device is finished before sending the fax.

Failed to Connect
 	
(check that printer detects dial tone)
	Make sure the printer is detecting a dial tone.
	• See "Sending a fax while listening to a call (On Hook Dial)" on page 57.
	• Check the Dial Method setting.
	   1 Listen for a dial tone. If you hear a dial tone, but the printer hangs up without dialing, this means it did not recognize the dial tone.
	   2 From the control panel, press **Fax Mode**.
	   3 Press ▤.
	   4 Press ◀ or ▶ repeatedly until **Fax Setup** appears.
	   5 Press √.
	   6 Press ◀ or ▶ repeatedly until **Dialing and Sending** appears.
	   7 Press √.
	   8 Press ◀ or ▶ repeatedly until **Dial Method** appears.
	   9 Press √.
	  10 Press ◀ or ▶ repeatedly until the method you want appears.
	  11 Press √ to save this setting.

Fax Error	The fax machines have stopped communicating. Resend the fax. There may have been a problem with the quality of the telephone line connection.

Fax Mode Unsupported	The receiving fax machine does not support the type of fax you attempted to send. If it does not support:
	• Your scan resolution—lower the scan resolution.
	   1 From the control panel, press **Fax Mode**.
	   2 Press ▤.
	   3 Press ◀ or ▶ repeatedly until **Quality** appears.
	   4 Press √.
	   5 Press ◀ or ▶ repeatedly until a lower quality appears.
	   6 Press √.
	• Legal-size paper—reformat the document on letter-size paper.

Invalid photo/paper size selection	You have selected more than one option on step 2 of the photo proof sheet you printed and scanned. **1** Make sure you completely fill in only one circle for each option. **2** Press ✖ to continue.

Left Cartridge Error / Right Cartridge Error
 	
Including:
• **1205** (Left Cartridge)
• **1206** (Right Cartridge)
 	
Left Cartridge Incorrect / Right Cartridge Incorrect
	1 Remove the indicated print cartridge.
	2 Disconnect the power cord from the electrical outlet.
	3 Reconnect the power cord to the electrical outlet.
	4 If the ⏻ button is not lit, press ⏻.
	5 Reinsert the print cartridge.
	6 If the error:
	   • Does not reappear, the problem has been corrected.
	   • Reappears, replace the print cartridge with a new one.

Left Cartridge Missing / Right Cartridge Missing	One or both cartridges are missing or not installed properly. For more information, see "Installing print cartridges" on page 110. **Notes:** • You can make a color copy with only the color cartridge installed. • You can print a black-and-white document with only the black cartridge installed. • You cannot copy or print when only the photo cartridge is installed. • To remove the error message, press ✖.
Memory Full (reduce memory use)	If applicable: • Print pending received faxes. • Send fewer pages.
Memory Full (lower the fax resolution)	**1** From the desktop, double-click the **Imaging Studio** icon. **2** Click **Fax**. **3** Click **Manage fax history or All-In-One fax settings.** **4** Click the **Dialing and Sending** tab. **5** From the "Send fax with this print quality" area, select a lower print quality. **6** Click **OK**. **Note:** The lower fax resolution becomes the default setting for all faxes you send or receive. **7** Resend the fax.
Memory Full **Try Setting to Scan After Dial.**	**1** From the desktop, double-click the **Imaging Studio** icon. **2** Click **Fax**. **3** Click **Manage fax history or All-In-One fax settings.** **4** Click the **Dialing and Sending** tab. **5** From the "When to scan document" area, select **After Dial**. **6** Click **OK**. **7** Resend the fax.
No images have been selected.	You have not selected any of the options on step 1 of the photo proof sheet you printed and scanned. **1** Make sure you completely fill in your selected circle or circles. **2** Press ✖ to continue.

`No photo/paper size selection has been made.`	You have not selected any of the options on step 2 of the photo proof sheet you printed and scanned. **1** Make sure you completely fill in your selected circle or circles. **2** Press ✖ to continue.
`No photo files found`	No supported images have been found on the memory card or flash drive you inserted. The printer will read photos created using the JPEG format. For more information, see the documentation that came with the digital camera.
`No proof sheet information.`	The photo proof sheet you printed and scanned is no longer valid. You may have removed the memory card or flash drive from the printer, or turned off the printer, before scanning the photo proof sheet. For more information, see "Printing photos stored on a memory device using the proof sheet" on page 73.

`Phone Line Busy`
(change redial settings)
	The printer automatically redials three times at 3-minute intervals. You can change the default settings to redial up to five times at intervals up to 8 minutes.
	To change the redial settings:
	1 From the control panel, press **Fax Mode**.
	2 Press ▤.
	3 Press ◀ or ▶ repeatedly until **Fax Setup** appears.
	4 Press √.
	5 Press ◀ or ▶ repeatedly until **Dialing and Sending** appears.
	6 Press √.
	7 Press √.
	8 To change the number of times the printer will redial:
	  a Press ◀ or ▶ repeatedly until **Redial Attempts** appears.
	  b Press √.
	  c Press ◀ or ▶ repeatedly until the setting you want appears.
	  d Press √.
	9 To change the length of time between redials:
	  a Press ◀ or ▶ repeatedly until **Redial Time** appears.
	  b Press √.
	  c Press ◀ or ▶ repeatedly until the setting you want appears.
	  d Press √.

`Phone Line Busy` (schedule to resend fax at a later time)	See "Sending a broadcast fax at a scheduled time" on page 56.

Phone Line Error (digital phone service checklist)	The fax modem is an analog device. Certain devices can be connected to the printer so that digital telephone services can be used. • If you are using an ISDN telephone service, connect the printer to an analog telephone port (an R-interface port) on an ISDN terminal adapter. For more information and to request an R-interface port, contact your ISDN provider. • If you are using DSL, connect to a DSL filter or router that will support analog use. For more information, contact your DSL provider. • If you are using a PBX telephone service, make sure you are connecting to an analog connection on the PBX. If none exists, consider installing an analog telephone line for the fax machine. For more information on faxing when using a PBX telephone service, see "Setting up to fax while behind a PBX" on page 63.
Phone Line Error (check phone line and cable connections)	If the telephone line is being used by another device, wait until the other device is finished before sending the fax.
	Make sure cable connections for the following hardware are secure, if applicable: • Power supply • Telephone • Handset • Answering machine
Photo Size Error Photo must fit on page.	There are one or more photos larger than the paper size you selected. **1** Press ✖ to clear the error message. **2** Press ◀ or ▶ repeatedly until **Paper Size** appears on the display. **3** Press √. **4** Press ◀ or ▶ repeatedly to select the paper size option that will fit your largest photo size. **5** Press **Start Color** or **Start Black** to begin printing.
PictBridge Communications Error	Remove and then reinsert the cable into the PictBridge port on the front of the printer. For more information, see "Using a PictBridge-enabled digital camera to control printing photos" on page 76.
Please remove camera to use your memory card	The printer can read either a PictBridge-enabled digital camera or a memory card, not both at the same time. **1** Remove both the PictBridge-enabled digital camera and the memory card. **2** Reinsert only one of the devices mentioned above.
Remote Fax Error (phone line problem)	Resend the fax. There may have been a problem with the quality of the telephone line connection.

Remote Fax Error (lower the transmission speed)	1 From the control panel, press **Fax Mode**. 2 Press ▤. 3 Press ◀ or ▶ repeatedly until **Fax Setup** appears. 4 Press √. 5 Press ◀ or ▶ repeatedly until **Dialing and Sending** appears. 6 Press √. 7 Press ◀ or ▶ repeatedly until **Max Send Speed** appears. 8 Press √. 9 Press ◀ or ▶ repeatedly until a lower speed appears. 10 Press √. **Notes:** • The lower the transmission speed, the longer it will take your fax to print. • This solution will reduce the speed for future faxes until you reset the transmission speed. 11 Resend the fax. 12 If the problem persists, repeat step 1 through step 11 to send the fax at successively lower transmission speeds.
Some photos removed from card by host.	Some of the photos on the photo proof sheet were deleted from the memory card through the computer. You must print a new photo proof sheet. For more information, see "Printing photos stored on a memory device using the proof sheet" on page 73.
There is a problem reading the memory card.	• See "Memory card cannot be inserted" on page 137. • See "Nothing happens when memory card is inserted" on page 137.

Related topics:

• "Using the control panel" on page 90

Settings are not saved

Settings time-out during a current job	If you press √ to select a setting, an * appears next to the selected setting. The printer reverts to the default setting after two minutes of inactivity or if the printer is turned off. For information on how to change this timeout feature, see "Saving settings" on page 98.
Settings are not saved for future jobs	If you press √ to select a setting, an * appears next to the selected setting. For information on how to save the setting, see "Saving settings" on page 98.

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, including Speed Dial and Group Dial numbers. If you want to print out those numbers before you reset the printer, see "Using the Phone Book" on page 60.

1 Press ⏻, ✖, and **Start Color** at the same time.

> **Warning—Potential Damage:** Do *not* release the buttons until `Language` appears on the display, indicating that the printer has been reset.

2 Follow the prompts on the display to choose your language, country or region code, date, time, and fax number.

> **Notes:**
>
> - To reenter your Speed Dial or Group Dial numbers using the computer, see "Customizing settings using the Fax Setup Utility" on page 67.
> - To reenter your Speed Dial or Group Dial numbers using the control panel, see "Using the Phone Book" on page 60.

Related topics:

- "Using the control panel" on page 90

Removing and reinstalling the software

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

1 Close all open software applications.

2 From the Finder desktop, double-click the **Lexmark 5400 Series** folder.

3 Double-click the **Uninstaller** icon.

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

5 Restart the computer before reinstalling the printer software.

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

Related topics:

- "Installing the printer software" on page 99

Notices and safety information

Recycling Lexmark products

To return Lexmark products to Lexmark for recycling:

1 Visit our Web site at **www.lexmark.com/recycle**.

2 Follow the instructions on the computer screen.

Edition notice

January 2007

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Product name	Lexmark 5400 Series
Machine type	4425-001
	4425-002
	4425-A01
	4425-0H1

Trademarks

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Conventions

Note: A *Note* identifies something that could help you.

Warning—Potential Damage: A *Warning* identifies something that could damage your product hardware or software.

⚠️ **CAUTION—POTENTIAL INJURY:** A *CAUTION* identifies something that could cause you harm.

🚫 **CAUTION—DO NOT TOUCH:** This type of CAUTION indicates that you should *not touch* the marked area.

⚠️ **CAUTION—HOT SURFACE:** This type of CAUTION indicates a *hot surface*.

⚠️ **CAUTION—SHOCK HAZARD:** This type of CAUTION indicates a *shock hazard*.

⚠️ **CAUTION—TIPPING HAZARD:** This type of CAUTION indicates a *tipping hazard*.

Federal Communications Commission (FCC) compliance information statement

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class B limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

The manufacturer is not responsible for radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

Note: To assure compliance with FCC regulations on electromagnetic interference for a Class B computing device, use a properly shielded and grounded cable such as Lexmark part number 1021294 for USB attach. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

Any questions regarding this compliance information statement should be directed to:

Director of Lexmark Technology & Services
Lexmark International, Inc.
740 West New Circle Road
Lexington, KY 40550
(859) 232–3000

Industry Canada compliance statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Standard ICES-003.

Avis de conformité aux normes de l'industrie du Canada

Cet appareil numérique de classe B est conforme aux exigences de la norme canadienne relative aux équipements pouvant causer des interférences NMB-003.

European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC and 73/23/EEC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipmentdesigned for use within certain voltage limits.

A declaration of conformity with the requirements of the directives has been signed by the Director of Manufacturing and Technical Support, Lexmark International, Inc., S.A., Boigny, France.

This product satisfies the Class B limits of EN 55022 and safety requirements of EN 60950.

Japanese VCCI notice

製品にこのマークが表示されている場合、
次の要件を満たしています。

VCI

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

Korean MIC statement

제품에 이 기호가 있는 경우 다음 문구가 적용됩니다.

MIC

B급 기기 (가정용 정보통신기기)

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

Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

Note: Some modes may not apply to your product.

1-meter average sound pressure, dBA	
Printing	46
Scanning	36
Copying	39
Ready	inaudible

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

Waste from Electrical and Electronic Equipment (WEEE) directive

The WEEE logo signifies specific recycling programs and procedures for electronic products in countries of the European Union. We encourage the recycling of our products. If you have further questions about recycling options, visit the Lexmark Web site at **www.lexmark.com** for your local sales office phone number.

ENERGY STAR

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 a properly grounded electrical outlet that is near the product and easily accessible.

Use only a 26 AWG or larger telecommunications (RJ-11) cord when connecting this product to the public switched telephone network.

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—SHOCK HAZARD:** Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the power supply cord or telephone, during a lightning storm.

Power consumption

Product power consumption

The following table documents the power consumption characteristics of the product.

Note: Some modes may not apply to your product.

Mode	Description	Power consumption (Watts)
Printing	The product is generating hard-copy output from electronic inputs.	14.6
Copying	The product is generating hard-copy output from hard-copy original documents.	15.1
Scanning	The product is scanning hard-copy documents.	9.1
Ready	The product is waiting for a print job.	6.6
Power Saver	The product is in energy-saving mode.	6.1

Mode	Description	Power consumption (Watts)
High Off	The product is plugged into a wall outlet, but the power switch is turned off.	4.0
Low Off (<1 W Off)	The product is plugged into a wall outlet, the power switch is turned off, and the product is in the lowest possible power consumption mode.	n/a
Off	The product is plugged into a wall outlet, but the power switch is turned off.	n/a

The power consumption levels listed in the previous table represent time-averaged measurements. Instantaneous power draws may be substantially higher than the average. Values are subject to change. See **www.lexmark.com** for current values.

Four-hour Off mode

This product is designed with an energy-saving four-hour Off mode. This mode is automatically engaged after this product is not used for four hours.

Off mode

If this product has an off mode which still consumes a small amount of power, then to completely stop product power consumption, disconnect the power supply cord from the wall outlet.

Total energy usage

It is sometimes helpful to calculate the total product energy usage. Since power consumption claims are provided in power units of Watts, the power consumption should be multiplied by the time the product spends in each mode in order to calculate energy usage. The total product energy usage is the sum of each mode's energy usage.

Statement of Limited Warranty

Lexmark International, Inc., Lexington, KY

This limited warranty applies to the United States. For customers outside the U.S., see the country-specific warranty information that came with your product.

This limited warranty applies to this product only if it was originally purchased for your use, and not for resale, from Lexmark or a Lexmark remarketer, referred to in this statement as "Remarketer."

Limited warranty

Lexmark warrants that this product:

—Is manufactured from new parts, or new and serviceable used parts, which perform like new parts

—Is, during normal use, free from defects in material and workmanship

If this product does not function as warranted during the warranty period, contact a Remarketer or Lexmark for repair or replacement (at Lexmark's option).

If this product is a feature or option, this statement applies only when that feature or option is used with the product for which it was designed. To obtain warranty service, you may be required to present the feature or option with the product.

If you transfer this product to another user, warranty service under the terms of this statement is available to that user for the remainder of the warranty period. You should transfer proof of original purchase and this statement to that user.

Limited warranty service

The warranty period starts on the date of original purchase as shown on the purchase receipt. The warranty period ends 12 months later.

To obtain warranty service you may be required to present proof of original purchase. You may be required to deliver your product to the Remarketer or Lexmark, or ship it prepaid and suitably packaged to a Lexmark designated location. You are responsible for loss of, or damage to, a product in transit to the Remarketer or the designated location.

When warranty service involves the exchange of a product or part, the item replaced becomes the property of the Remarketer or Lexmark. The replacement may be a new or repaired item. The replacement item assumes the remaining warranty period of the original product.

Replacement is not available to you if the product you present for exchange is defaced, altered, in need of a repair not included in warranty service, damaged beyond repair, or if the product is not free of all legal obligations, restrictions, liens, and encumbrances.

Before you present this product for warranty service, remove all print cartridges, programs, data, and removable storage media (unless directed otherwise by Lexmark).

For further explanation of your warranty alternatives and the nearest Lexmark authorized servicer in your area, contact Lexmark at (800) 332-4120, or on the World Wide Web at **support.lexmark.com**.

Remote technical support is provided for this product throughout its warranty period. For products no longer covered by a Lexmark warranty, technical support may not be available or only be available for a fee.

Extent of limited warranty

We do not warrant uninterrupted or error-free operation of any product.

Warranty service does not include repair of failures caused by:

—Modification or attachments

—Accidents or misuse

—Unsuitable physical or operating environment

—Maintenance by anyone other than Lexmark or a Lexmark authorized servicer

—Operation of a product beyond the limit of its duty cycle

—Use of printing media outside of Lexmark specifications

—Supplies (such as ink) not furnished by Lexmark

—Products, components, parts, materials, software, or interfaces not furnished by Lexmark

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This limited warranty gives you specific legal rights. You may also have other rights that vary from state to state.

End-user license agreement*

Opening this package, installing the printing device software, or using the print cartridges inside, confirms your acceptance of the following license/agreement: The patented print cartridges contained inside are licensed for a single use only and is/are designed to stop working after delivering a fixed amount of ink. A variable amount of ink will remain in the cartridge when replacement is required. After this single use, the license to use the print cartridge terminates, and the used cartridge must be returned only to Lexmark for remanufacturing, refilling or recycling. **If you do not accept the terms of this single use license/agreement, return this product in its original packaging to your point of purchase.** A replacement cartridge sold without these terms is available at **www.lexmark.com**.

* Products within the XX80 Series (including but not limited to Models X1380, X1480, X1580, X2580, X3580, and X4580) are not subject to this license agreement.

Glossary

alignment page	A page with printed alignment patterns that ejects from the printer during cartridge alignment.
application	Any software loaded on your computer that lets you perform a specific task, such as word processing or photo editing.
auto-crop	A printer software option that lets you automatically remove any unnecessary white space on scanned images.
automatic alignment	A feature that automatically aligns the print cartridges.
black and white	A non-color printout.
Bluetooth	A wireless technology used by compatible products.
Bluetooth card	A memory storage device.
borderless	A feature that prints photos without borders around them.
card reader	A mechanical device that reads the files on memory cards.
carrier	A mechanical device inside the printer that holds print cartridges.
collate	A printer software option that lets you automatically print one complete set of copies of a multiple-page document before the next set of copies begins, and so on.
configured printer	A printer connected to a network that has been assigned an IP address and printer name. You must configure a network-capable printer to access it over a network.
control panel	A group of buttons on the printer that lets you scan and copy without using the computer keyboard or mouse.
crop	A printer software option that lets you select a portion of the image to scan or copy.
default printer settings	Printer software settings defined when the printer is manufactured.
descreen	A printer software option that lets you remove during scanning the unwanted image patterns introduced in processing media such as magazines or newspapers.
dialog	A software screen used to convey information to users.
flash drive	This is a memory storage device which can be purchased separately from the printer. The printer has a port that flash drives can be connected to.
gamma	A printer software options that lets you adjust the color correction curve of a scanned image. Gamma measures the contrast that affects the midtones of an image.
glossy paper	Paper with one glossy side designed for photographs.
gold contact area	The area on a print cartridge or a digital camera memory card through which data is transmitted.
IP (Internet Protocol) address	A 32-bit binary number that identifies the location of a specific computer on the Internet. Any computer directly connected to the Internet must have an IP address.
landscape orientation	Page orientation in which text runs parallel with the long edge of the paper.
memory card	A small storage medium used to save digital data such as texts, pictures, audio, and video; sometimes called a flash memory card.
memory card slot	Slots on the printer control panel used for memory cards.
mirror	A printer software option that lets you reverse an image before printing.
network	A group of computers or other peripheral devices connected to each other for the purpose of sharing information.
network printer	A printer made available on a network, not connected directly to your computer.
nozzles	The gold area of the print cartridge where ink flows through before it is applied to paper before printing.

photo paper	Treated paper designed for printing photos.
PictBridge port	A port on the printer used with a PictBridge cable to connect to a camera.
portrait orientation	Page orientation in which text runs parallel with the short edge of the paper.
printer software	(1)The program that lets you select settings to customize a print job.
	(2)The program that lets your computer communicate with the printer.
resize	A software option that reduces or enlarges the final image size of a scanned item while maintaining the image proportions.
sharpen	A software option that reduces the blurriness of an image.
subnet	A segment of a network that is connected to a larger network. A local area network is also referred to as a local subnet.
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.