



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for LEXMARK X4975. You'll find the answers to all your questions on the LEXMARK X4975 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual LEXMARK X4975**  
**User guide LEXMARK X4975**  
**Operating instructions LEXMARK X4975**  
**Instructions for use LEXMARK X4975**  
**Instruction manual LEXMARK X4975**

**LEXMARK**

**4900 Series User's Guide**

2008

[www.lexmark.com](http://www.lexmark.com)



[You're reading an excerpt. Click here to read official LEXMARK X4975 user guide](http://yourpdfguides.com/dref/1261455)

<http://yourpdfguides.com/dref/1261455>



.....  
.....  
.....  
.....

*34 Wireless network compatibility.....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*....34 Information you will need to set up the printer on a wireless network.....*

.....  
.....  
.....

.....  
.....  
.....  
.....

*..34 Installing the printer on a wireless network.....*

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*...34 Installing the printer on other computers.....*

.....  
.....  
.....  
.....

.....  
.....

.....  
.....

.....  
.....  
.....

.....  
.....

*...35 Interpreting the colors of the Wi-Fi indicator light...*

.....  
.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

*...36 Special wireless installation instructions.....*

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....

*....36 Assigning a static IP address.*

.....  
.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....



.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
... @@@@43 Contents 3 What is an SSID? @@43 Where do I find my SSID?..

.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

44 What is a network? .....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....  
.....  
.....

..... 44 What types of wireless network security are available? .

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....

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

.....  
.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....

.... 45 How are home networks configured?.

.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

..... 45 Why do I need an installation cable? ...

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....

*.. 47 How do I attach the installation cable?...*

.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*... 48 How are infrastructure and ad hoc networks different?.....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*.. 48 Finding the signal strength.....*

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....





.....  
.. 51 How do I find the MAC address? ...

.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

..... 51 What is an IP address?.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....

... 52 What is TCP/IP? ..  
52 How do I locate IP addresses? .....

.....  
.....  
.....

.....  
.....  
.....

.....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....

... 52 How are IP addresses assigned?..

.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....

.. 53 What is a key index?...

.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

..... 53 Loading paper.

.....  
.....  
.....



.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

.....57 Loading original documents on the scanner glass....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

...58 Loading original documents into the Automatic Document Feeder.....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....59 Printing....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.61 Printing basic documents....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....



.....  
*61 Printing multiple copies of a document....*

.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....

*.... 62 Collating printed copies.*

.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

*..... 62 Printing the last page first (reverse page order)..*

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....

.....  
.....

*.. 63 Printing multiple pages on one sheet (N-Up).....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*. 63 Printing documents from a memory card or flash drive .....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*..... 64 Printing specialty documents.*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....

*.65 Choosing compatible specialty paper types ....*

.....  
.....  
.....  
.....



.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

*. 65 Printing envelopes ....*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

*..... 66 Printing labels .... 66 Printing on custom-size paper.*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



.....  
.....  
.....  
.....  
.....  
*.71 Pausing print jobs.....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
*.. 71 Resuming print jobs...*

.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

..... *71 Canceling print jobs.*

.....  
.....  
.....

.....*88 Scanning.*

.....  
.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....  
.....

*..89 Scanning original documents.....*

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....

*....89 Scanning color or black-and-white original documents.*

.....  
.....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....

*.91 Scanning photos for editing....*

.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....91 Scanning to a computer over a network...

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

..92 Canceling scan jobs.....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....92 Contents 5 Faxing..

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....





.....  
.....

*...100 Refilling print cartridges.....*

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*114 Wireless troubleshooting checklist .....*

.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*.....114 Printing a network setup page ....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*115 Wireless configuration does not continue after the USB cable is attached .....*



.....  
.....  
.....  
.....

.....  
.....  
.....

*115 Why isn't my printer in this list?.....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....

*...116 Cannot print over wireless network..*

.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*.....117 Cannot print and there is a firewall on the computer ..*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....

.....  
.....  
.....

.....120 Wi-Fi indicator light is not lit.

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....120 Wi-Fi indicator light is green but the printer does not print (Windows only) ..

.....  
.....  
.....

.....  
.....  
.....

....121 Contents 6 Wi-Fi indicator light is blinking orange during installation (Windows only).....

.....  
.....  
.....

.....  
.....  
.....

...123 Wi-Fi indicator light is blinking orange during installation (Macintosh only) .....

.....  
.....  
.....

.....  
.....  
.....

.....126 Wi-Fi indicator light is still orange .

.....  
.....  
.....

.....  
.....  
.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

*..128 Wireless print server not installed ...*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

*.....129 "Communication not available" message displays when printing wirelessly .....*

.....

.....

.....

.....

.....

.....

*.129 Communication with printer lost when connected to Virtual Private Network (VPN).....*

.....

.....

.....

*.130 Resetting the internal wireless print server to factory default settings ....*

.....

.....

.....

.....

.....

.....

.....

*....130 Notices.*

.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*...131 Product information.....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*.....131 Edition notice...*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....

*.131 European EC directives conformity statement for radio products....*



*Click Mac Help Note: Your printer may not have support for Macintosh and may not have this Help. 3 From the program, click Help to view the main page of the Help. to view context-sensitive information. Additional instructions for using the printer software on a Macintosh operating system. The Help installs automatically with the applications. 1 From the Finder desktop, double-click the printer folder. 2 Double-click the application. 3 From the application, click Help on the menu bar to view the main page of the Help. Note: If you have several applications open, then make sure that the application that you want to use is the active application. The correct menu bar does not appear if the application is not active.*

*Click the main screen to make it the active application. Click to view context-sensitive information. Introduction 10 Customer support Description Where to find (North America) Where to find (rest of world) Telephone numbers and support hours vary by country or region.*



[You're reading an excerpt. Click here to read official LEXMARK X4975 user guide](http://yourpdfguides.com/dref/1261455)  
<http://yourpdfguides.com/dref/1261455>

Visit our Web site at [www.lexmark.com](http://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 came with your printer. Telephone support Call us at · US: 1-800-332-4120 MondayFriday (8:00 AM-11:00 PM ET), Saturday (Noon6:00 PM ET) · Canada: 1-800-539-6275 Support in English: MondayFriday (8:00 AM11:00 PM ET), Saturday (Noon6:00 PM ET) (9:00 AM7:00 PM ET) Support in French: MondayFriday · Mexico: 01-800-253-9627 MondayFriday (8:00 AM8:00 PM ET) Note: Support numbers and times may change without notice. For the most recent telephone numbers available, see the printed warranty statement that came with your printer.

E-mail support For e-mail support, visit our Web site: [www.lexmark.com](http://www.lexmark.com). E-mail support varies by country or region, and may not be available in some instances. Visit our Web site at [www.lexmark.com](http://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 came with your printer. 1 2 3 4 5 Click SUPPORT.

Click Technical Support. Select your printer family. Select your printer model. From the Support Tools section, click eMail Support. Submit Request. 6 Complete the form, and then click Introduction 11 Limited Warranty Description 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. Where to find (USA) 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](http://www.lexmark.com).

Where to find (rest of world) Warranty information varies by country or region. See the printed warranty that came with your printer. 1 Click SUPPORT. 2 Click Warranty Information. 3 Click Statement of Limited Warranty for Inkjet & All-In-One Printers. the warranty. 4 Scroll through the Web page to view Record the following information (located on the store receipt and the back of the printer), and have it ready when you contact customer support so that they may serve you faster: · · · Machine Type number Serial number Date purchased Store where purchased Introduction 12 Setting up the printer Granting access to the software during installation Third-party applications, including antivirus, security, and firewall programs may alert you about the printer software being installed. For your printer to work properly, you must grant access to the printer software. Setting up the printer as a copier only Use the following instructions if you do not want to connect the printer to a computer. Note: If you want to connect the printer to a computer, use the setup documentation and the printer software CD that came with the printer.

1 Unpack the printer. Note: Contents, such as the number of print cartridges, may vary by model. 1 2 3 4 5 6 Power cord Printer software CD USB cable or installation cable Note: Your printer model may not come with a USB cable. Purchase a USB cable separately. Networking Guide Note: Your printer model may not come with this publication.

Quick Setup sheet Print cartridges Note: Your printer model may come with only one cartridge. Setting up the printer 13 Notes: · Place the printer near the computer during setup. If you're setting up on a wireless network, you may move the printer after setup is complete. · Contents, such as the number of print cartridges, may vary by model. · Do not attach the USB cable until prompted to do so.

2 Remove tape and packing material from all areas of the printer. 3 Raise the paper support. 4 Raise the control panel. 5 Extend the paper guides. Setting up the printer 14 6 Load paper. 7 Extend the paper exit tray. 8 Connect the power cord. Note: Do not attach the USB cable yet. CAUTION--POTENTIAL INJURY: Read the safety information included with this product before connecting power or making any cabling connections. Setting up the printer 15 9 If the printer does not automatically turn on, press .

10 If prompted, press the up or down arrow until the language you want is highlighted, and then press OK. 11 Press the up or down arrow until the country/region you want is highlighted, and then press OK. Setting up the printer 16 12 Open the printer, and then press down on the print cartridge carrier levers. 13 Open the color cartridge foil, and then remove the cartridge from the pack. 14 If a storage unit is included, remove the color cartridge from the storage unit. Setting up the printer 17 15 Remove the tape from the color print cartridge, insert the cartridge in the right carrier, and then close the color cartridge lid. 16 If a black print cartridge is included in the box contents, open the black cartridge foil, and then remove the cartridge from the pack. Note: You may need to purchase a black print cartridge separately. Setting up the printer 18 17 Remove the tape from the black print cartridge, insert the cartridge in the left cartridge carrier, and then close the cartridge carrier lid. 18 Close the printer.

19 From the printer control panel, press OK. An alignment page prints. Setting up the printer 19 20 Discard or recycle the alignment page. Notes: · The alignment page may differ from the one shown. · Streaks on the alignment page are normal and do not indicate a problem. Understanding the parts of the printer Use the 1 2 3 Paper support Paper feed guard Paper guides To Load paper. Prevent items from falling into the paper slot. Keep paper straight when feeding. Setting up the printer 20 Use the 4 Automatic Document Feeder (ADF) tray To 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. 5 6 Automatic Document Feeder (ADF) output tray Wi-Fi indicator Note: Your printer model may not have wireless capability and may not have this indicator. Hold documents as they exit from the ADF. Check wireless status: · Off indicates that the printer is not turned on or that no wireless option is installed. · Orange indicates that the printer is ready to be configured for wireless printing indicates that the printer is connected for USB printing · Orange blinking indicates that the printer is configured but is unable to communicate with the wireless network. wireless network. · Green indicates that the printer is connected to a 7 8 9 10 11 12 13 14 Memory card slots PictBridge port Printer control panel Paper exit tray Automatic Document Feeder (ADF) Scanner glass Top cover Insert a memory card.



[You're reading an excerpt. Click here to read official LEXMARK](http://yourpdfguides.com/dref/1261455)

[X4975 user guide](http://yourpdfguides.com/dref/1261455)

<http://yourpdfguides.com/dref/1261455>

Connect a PictBridge-enabled digital camera or a flash drive to the printer. Operate the printer.

Hold paper as it exits. Scan, copy, or fax multiple-page letter-, legal-, and A4-size documents. Scan and copy photos and documents. Access the scanner glass.

Automatic Document Feeder (ADF) paper guide Keep paper straight when feeding into the ADF. Setting up the printer 21 Use the 1 2 3 4 5 Scanner unit Print cartridge carrier Power supply with port Duplex cover Internal wireless print server Note: Your printer model may not have wireless capability and may not have this print server. 6 USB port To · Access the print cartridges. · Remove paper jams. Install, replace, or remove a print cartridge. Connect the printer to a power source.

· Print on both sides of a sheet of paper. · Remove paper jams. Connect the printer to a wireless network. Connect the printer to a computer using a USB cable. Warning--Potential Damage: Do not touch the USB port except when plugging in or removing a USB cable or installation cable.

Using the control panel buttons and menus Using the printer control panel The printer control panel contains: · Power on/off button · 60.96 mm (2.4 inch) display capable of showing color graphics · 15 buttons The following diagrams explain the sections of the printer control panel: Setting up the printer 22 Use 1 To · Turn the printer on and off. · Switch to Power Saver mode. Note: Press to switch to Power Saver mode.

Press and hold for two seconds to turn off the printer. 2 3 4 5 Display Note: The display is turned off in Power Saver mode. Access the copy menu and make copies. Access the scan menu and scan documents. Access the photo menu and print photos. View: · Printer status · Messages · Menus Setting up the printer

23 Press 1 2 3 Color / Black To Start a print, scan, or copy job, depending on which mode is selected. Switch to color mode or black-and-white mode. · Cancel a print, copy, or scan job in progress. · Exit from a menu level of the Copy, Scan, Photo, or File Print menu to the top level of a menu. mode.

· Exit from a menu level of the Setup menu to the top level of the previous · Clear current settings or error messages, and return to default settings. 4 Access the setup menu and change printer settings. Note: The Copy, Scan, and Photo button lights are off when this button is selected. 5 6 7 right arrow button Print on both sides of the paper (duplex). A green backlight comes on when the duplex function is activated. · Return to the previous screen. · Exit from one menu level to a higher one. · · · · Increase a number. Move the cursor one place to the right. Scroll through menus or settings on the display.

In Photo mode or Scan mode, move the Region of Interest box to the right. 8 down arrow button · Move downward through a submenu listing within a menu. · In Photo mode or Scan mode, move the Region of Interest box down. Setting up the printer 24 Press 9 left arrow button To · · · · Decrease a number. Move the cursor one place to the left.

Scroll through menus or settings on the display. In Photo mode or Scan mode, move the Region of Interest box to the left. 10 11 up arrow button OK · Move upward through a submenu listing within a menu. · In Photo mode or Scan mode, move the Region of Interest box up. · Choose a menu or submenu item that appears on the display.

· Save settings. · Feed or eject paper. Press and hold OK for 3 seconds to feed or eject paper from the printer. Using the printer menus A number of menus are available to make it easy for you to change printer settings: Setting up the printer 25 Menus List Copy menu Copies Quality Resize Lighter/Darker Collate

Photo Reprint 2-Sided Copies Pages per Sheet Original Size Copies per Sheet Content Type Preview Scan menu Scan to Photo menu Select and Print · Computer Quality Original Size Preview · Memory Device Quality Original Size Preview · Size to Print Layout Continue Other Selections · Paper Size · Photo Size · Photos/Page · Paper Type · Print Quality Share Media on Network Photo Proof Sheet · · · · · · · · Print Sheet with Recent 20 Photos Print Sheet with All Photos Print Sheet with Date Range Scan Proof Sheet Print All Print Date Range Print Photo Range Print Camera Selections (DPOF) Print Photos Save Photos · Computer · USB Flash Drive · Memory Card Setting up the printer 26 PictBridge menu Continue Paper Size Photo Size Photos/Page Paper Type Print Quality Setup menu Maintenance · · · · · · · · Check Ink Levels Align Cartridges Clean Cartridges Print Test Page Language Country Power Saver Screen Saver Clear Settings Timeout 2-Sided Dry Time Device Setup Network Setup (appears only in printers connected to a network) · · · · · · · · Print Setup Page Wi-Fi Protected Setup Wireless Information TCP/IP File Print Mode Reset Network Adapter to Factory Defaults Paper Size Paper Type Photo Print Size Set Defaults Defaults Note: The File Print menu is enabled when you insert a flash drive that contains document files into the printer. The menu is composed of the folders and files stored on the flash drive. Saving settings You can set the default paper size, paper type, and photo print size for the documents and photos that you print. Note: These default settings apply only to print, copy, and scan jobs that you initiate from the printer. 1 From the printer control panel, press 3 Press OK again. · 2 Press the up or down arrow button until Defaults is highlighted, and then press OK.

4 Press the up or down arrow button to select the default paper size for the printer, and then press OK. 5 Press the up or down arrow button until Paper Type is highlighted, and then press OK. 6 Press the up or down arrow button to select the default paper type for the printer, and then press OK. 7 Press the up or down arrow button until Photo Print Size is highlighted, and then press OK. Setting up the printer 27 8 Press the up or down arrow button to select the default photo print size for the printer, and then press OK. 9 Press until you exit Setup, or press another mode button. Changing temporary settings into new default settings The printer has default temporary settings for the menus. The printer reverts to these default temporary settings after two minutes of inactivity or after the printer is turned off: Temporary settings Copy menu · · · · · · · · Copies Quality Resize Lighter/Darker Pages per Sheet Original Size Copies per Sheet Content Type Scan menu Photo menu · Quality · Original Size The following Photo options will not time out after two minutes of inactivity or after turning off the power but will return to the default factory settings when a memory card or flash drive is removed.



[You're reading an excerpt. Click here to read official LEXMARK](#)

[X4975 user guide](#)

<http://yourpdfguides.com/dref/1261455>



... Layout Colorized Effect Photo Size Print Quality To change the temporary settings into new default settings 1 From the printer control panel, press . 2 Press the up or down arrow button until Defaults is highlighted, and then press OK.

3 Press the up or down arrow button until Set Defaults is highlighted, and then press OK. Use Current appears on the display. 4 Press OK again to select Use Current. 5 Press until you exit Setup, or press another mode button. To disable the settings timeout feature You can disable the settings timeout feature if you do not want the printer to revert to the default temporary settings after two minutes of inactivity or after turning off the printer.

1 From the printer control panel, press . 2 Press the up or down arrow button until Device Setup is highlighted, and then press OK. Setting up the printer 28 3 Press the up or down arrow button until Clear Settings Timeout is highlighted, and then press OK. 4 Press the up or down arrow button until Never is highlighted, and then press OK. 5 Press until you exit Setup, or press another mode button.

Changing the Power Saver timeout You can customize the Power Saver timeout of the printer. The Power Saver timeout is the time it takes for the printer to switch to Power Saver mode when the printer is left idle. Change the Power Saver timeout to avoid interruptions when doing multiple jobs on your printer. 1

From the printer control panel, press . 2 Press the up or down arrow button until Device Setup is highlighted, and then press OK. 3 Press the up or down arrow button until Power Saver is highlighted, and then press OK. 4 Press the up or down arrow button to select a Power Saver timeout, and then press OK.

Note: If you want to be efficient on power usage, then select the minimum Power Saver timeout from the options. If you do not want to turn the printer back on from Power Saver mode as often, then select the maximum Power Saver timeout. 5 Press until you exit Setup, or press another mode button.

Using the printer software Installing printer software Using Windows 1 Close all open software programs. 2 Insert the installation software CD. If the Welcome screen does not appear after a minute, do one of the following: In Windows Vista a Click . b In the Start Search box, type D:\setup.exe, where D is the letter of your CD or DVD drive. In Windows XP and earlier a Click Start. b Click Run. c Type D:\setup.exe, where D is the letter of your CD or DVD drive. 3 Follow the instructions on the Welcome screen to set up the printer.

Setting up the printer 29 Using Macintosh 1 Close all open software applications. 2 Insert the installation software CD. If the Welcome screen does not appear after a minute, click the CD icon on the desktop. 3 Double-click Install. 4 Follow the instructions on the Welcome screen to set up the printer.

Using the World Wide Web 1 Go to the Lexmark Web site at [www.lexmark.com](http://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 screens to download the driver and install the printer software. Installing the optional XPS driver (Windows Vista users only)

The XML Paper Specification (XPS) driver is an optional printer driver designed to make use of the advanced XPS color and graphics features that are available only for Windows Vista users. To use XPS features, you must install the XPS driver as an additional driver after you install the regular printer software. Notes: · The XPS driver is supported only in Windows Vista Service Pack 1 or later. · Before installing the XPS driver, you must install the printer on your computer. · To install the XPS driver, you must have administrator privileges on the computer. To extract the driver: 1 Insert the installation software CD, and then click Cancel when the Setup Wizard appears. 2 Click "Computer". 3 Double-click the CD or DVD drive icon, and then double-click Drivers. 4

Double-click the xps folder, and then double-click the setupxps file.

The XPS driver files are extracted and copied to your computer, and any required Microsoft XPS files are launched. Follow the instructions on the computer screen. To install the XPS driver: 1 Click "Control Panel". 2 Under Hardware and Sound, click Printer, and then click Add a Printer. 3 From the Add Printer dialog, click Add a local printer. 4 From the "Use an existing port" drop-down menu, select Virtual printer port for USB, and then click Next. 5 Click Have disk. The Install From Disk dialog appears. Setting up the printer 30 6 Click Browse, and then navigate to the XPS driver files on your computer: a Click Computer, and then double-click (C:). b Double-click the folder that has your printer model number, and then double-click Drivers.

c Double-click the xps folder, and then double-click the xps file. The Install From Disk dialog appears. d Click OK. 7 Click Next on the two additional dialogs that appear. For more information on the XPS driver, see the XPS readme file on the installation software CD.

The file is located in the xps folder with the setupxps batch file (<CD drive>\Drivers\xps\readme). Using the Windows printer software When you set up the printer using the printer software CD, all the necessary software was installed. You may have chosen to install some additional programs. The following table provides an overview of various software programs and what they can help you do. Note: Your printer may not come with some of these programs or some of the functions of these programs, depending on the features of the printer that you purchased.

Use the Lexmark™ Productivity Studio To ····· Scan, copy, fax, e-mail, or print a photo or document. Manage and edit photos. Transfer photos. Scan documents to PDF format. Create posters and photo greeting cards from your own photos. Adjust settings for the printer. Lexmark Fast Pics Manage, edit, transfer, and print photos and documents. Note: This program is installed automatically with the printer software if you choose not to install the Lexmark Productivity Studio. Lexmark Toolbar ····· Print black or text-only Web pages to save ink. Schedule automatic printing of Web pages.

Access Picnik and edit photos online. Print, scan, or convert local files from Windows. Lexmark Tools for Office Lexmark Fax Solutions Access your favorite settings in Microsoft Office 2007. ····· Send a fax. Receive a fax in three-in-one printers. Add, edit, or delete contacts in the built-in phone book. Access the Lexmark Fax Setup Utility in four-in-one printers. Use the Lexmark Fax Setup Utility to set the Speed Dial and Group Dial numbers, set Ringing and Answering, and print fax history and status reports.



**[You're reading an excerpt. Click here to read official LEXMARK X4975 user guide](http://yourpdfguides.com/dref/1261455)**

<http://yourpdfguides.com/dref/1261455>

Abby Sprint OCR Scan a document and produce text that you can edit with a word-processing program. Setting up the printer 31 Use the Lexmark Wireless Setup Utility To · Set up the wireless printer on a wireless network.

· Change the wireless settings of the printer. Note: This program is installed automatically with the printer software if the printer has wireless capability. Lexmark Service Center · Troubleshoot the printer. · Access the printer maintenance functions. · Contact customer support.

Notes: · This program is installed automatically with the printer software. · You may be prompted to install this program from the Web, depending on your printer model. Printing Preferences When you select File <sup>a</sup> Print with a document open and then click Properties, a Printing Preferences dialog appears. The dialog lets you select options for the print job such as the following: . . . . . Select the number of copies to be printed. Print two-sided copies.

Select the paper type. Add a watermark. Enhance images. Save settings. Note: Printing Preferences is installed automatically with the printer software. If you have not installed these additional programs during initial installation, reinsert the installation software CD, run the installation software, and then select Install Additional Software from the Software Already Installed screen. Using the Macintosh printer software Use the Print dialog Printer Services dialog To Adjust the print settings and schedule print jobs. . . . . Access the printer utility. Troubleshoot. Order ink or supplies.

Contact Lexmark. Contact us. Check the printer software version installed on the computer. Applications are also installed with the printer software during installation. These applications are saved in the printer folder that appears on the Finder desktop after installation. 1 From the Finder desktop, double-click the printer folder. 2 Double-click the icon of the application that you want to use. Setting up the printer 32 Use the Lexmark All-In-One Center Lexmark Fax Setup Utility Lexmark Network Card Reader To · Scan photos and documents. · Customize settings for scan jobs. · Customize settings for fax jobs.

· Create and edit the Speed Dial list. · View the contents of a memory device inserted into a network printer. · Transfer photos and documents from a memory device to the computer over a network. Lexmark Printer Utility . . . . . Get help with cartridge installation. Print a test page. Print an alignment page. Clean the print cartridge nozzles. Order ink or supplies. Register the printer. Contact customer support.

Lexmark Wireless Setup Assistant Set up the printer on a wireless network. Note: Your printer may not come with these applications, depending on the features of the printer that you purchased. Setting up the printer 33 Installing the printer on a wireless network (selected models only) Wireless network compatibility Your printer contains an IEEE 802.11g wireless print server. Your printer is compatible with IEEE 802.11 b/g/n routers that are Wi-Fi certified. If you are having issues with an n router, verify with your router manufacturer that the current mode setting is compatible with g devices, as this setting varies depending on the router brand/model. Information you will need to set up the printer on a wireless network To set up the printer for wireless printing, you need to know: · The name of your wireless network. This is also known as the Service Set Identifier (SSID). · If encryption was used to secure your network.

· The security key (either a WEP key or WPA passphrase) that allows other devices to communicate on the network if encryption was used to secure your network. You can locate your network WEP key or WPA passphrase by accessing your wireless access point or router and checking the security information.

If your wireless access point (wireless router) is using Wired Equivalent Privacy (WEP) security, the WEP key should be: · Exactly 10 or 26 hexadecimal characters. Hexadecimal characters are AF, af, and 09. or · Exactly 5 or 13 ASCII characters. ASCII characters are letters, numbers, punctuation, and symbols found on a keyboard. If your wireless access point is using Wi-Fi Protected Access (WPA) security, the WPA passphrase should be: · From 8 to 63 ASCII characters. ASCII characters in a WPA passphrase are case-sensitive. or · Exactly 64 hexadecimal characters. Hexadecimal characters are A-F, a-f, and 0-9.

If your wireless network is not using security, then you will not have a security key. Note: If you do not know the SSID of the network that your computer is connected to, launch the wireless utility of the computer network adapter and look for the network name. If you cannot find the SSID or the security information for your network, see the documentation that came with the wireless access point, or contact your system support person. Installing the printer on a wireless network Before you install the printer on a wireless network, make sure that: · Your wireless network is set up and working properly. · The computer you are using is connected to the same wireless network where you want to set up the printer.

Installing the printer on a wireless network (selected models only) 34 Using Windows 1 Insert the installation software CD. If the Welcome screen does not appear after a minute, do one of the following: In Windows Vista a Click . b In the Start Search box, type D:\setup.exe, where D is the letter of your CD or DVD drive. In Windows XP and earlier a Click Start.

b Click Run. c Type D:\setup.exe, where D is the letter of your CD or DVD drive. 2 Follow the instructions on the Welcome screen to set up the printer. Using Macintosh 1 Insert the installation software CD. If the Welcome screen does not appear after a minute, click the CD icon on the desktop. 2 Double-click Install. 3 Follow the instructions on the Welcome screen to set up the printer. Installing the printer on other computers Once the printer is set up on the wireless network, it can be accessed wirelessly by any other computer on the network. However, you will need to install the printer driver on every computer that will access it.

You do not need to configure the printer again, although you will need to run the setup software on each computer to install the driver. Using Windows 1 Insert the installation software CD. 2 Wait for the Welcome screen to appear. If the Welcome screen does not appear after a minute, do one of the following: In Windows Vista a Click . b In the Start Search box, type D:\setup.exe, where D is the letter of your CD or DVD drive.



[You're reading an excerpt. Click here to read official LEXMARK](http://yourpdfguides.com/dref/1261455)

[X4975 user guide](http://yourpdfguides.com/dref/1261455)

<http://yourpdfguides.com/dref/1261455>

In Windows XP and earlier a Click Start. b Click Run. c Type D:\setup.exe, where D is the letter of your CD or DVD drive.

Installing the printer on a wireless network (selected models only) 35 3 Follow the on-screen instructions for installing a configured printer on a new computer. Using Macintosh 1 Insert the installation software CD. 2 Wait for the Welcome screen to appear. Note: If the Welcome screen does not appear after a minute, click the CD icon on the desktop. 3 Double-click Install.

4 Follow the on-screen instructions for installing a configured printer on a new computer. Interpreting the colors of the Wi-Fi indicator light The colors of the Wi-Fi indicator light show the network status of the printer. · Off means one of the following: The printer is turned off or is powering up. The printer is not connected to a wireless network and is in Power Saver mode. In Power Saver mode, the power light pulses on and off.

· Orange means one of the following: The printer has not yet been configured for a wireless network. The printer is configured for an ad hoc connection, but it is not currently communicating with another ad hoc device. · Blinking orange means one of the following: The printer is out of the range of the wireless access point (wireless router). The printer is trying to communicate with the wireless access point, but the wireless access point is turned off or not working properly. Either the configured printer or the wireless access point has been turned off and back on, and the printer is trying to establish communications with the network. The wireless settings of the printer may no longer be valid. · Green means that the printer is connected to a wireless network and is ready for use. · Blinking green means that the printer internal print server is being updated. Special wireless installation instructions The following instructions apply to customers using a LiveBox, AliceBox, N9UF Box, FreeBox, or Club Internet. Before you begin · Make sure your box is wireless-enabled and activated to work on a wireless network.

For more information about configuring the box to work wirelessly, see the documentation that came with your box. · Make sure your box is turned on and that your computer is on and connected to your wireless network. Installing the printer on a wireless network (selected models only) 36 Adding the printer to your wireless network 1 Set up your printer using the setup instructions provided. 2 If there is an associate/registration button on the back of your box, press it when you are prompted to select a network. Note: After pressing the associate/register button, you have five minutes to complete the printer installation. 3 Return to the computer screen, and select the network you want to connect to. If you want to use the network shown, select Connect to <network name>, and then click Continue. If you do not want to use the network shown: a Select Connect to another network, and then click Continue. b Select the network you want to use from the list of available networks, and then click Continue. 4 Type the Network key, and then click Continue.

Note: Your WEP, WPA, or WPA2 key may be obtained from the bottom of the box, the user's guide that came with the box, or from the box Web page. If you have already changed the key for your wireless network, use the key you created. 5 Follow the instructions on your screen to complete installation. Assigning a static IP address The printer will be assigned an IP address automatically through DHCP on most wireless networks. If the printer is not automatically assigned an IP address, the installation software will prompt you to manually assign an IP address to the printer.

This will occur if there is no server or router capable of automatically assigning DHCP addresses on your network. For more information, contact your system support person. Changing wireless settings after installation To change wireless settings on the printer, such as the configured network, the security key, or other settings: Using Windows 1 Do one of the following: · In Windows Vista, click . · In Windows XP and earlier, click Start. 2 Click All Programs or Programs, and then select the printer program folder from the list.

3 Click Tools <sup>a</sup> Lexmark Wireless Setup Utility. Note: If the cable is not already connected, you may be prompted to connect the printer to the computer again using the installation cable as part of the setup process. 4 Follow the prompts on the computer screen to reinstall the software, and then make the changes that you want. Installing the printer on a wireless network (selected models only) 37 Using Macintosh 1 From the Finder desktop, double-click the printer folder. 2 Double-click Lexmark Wireless Setup Assistant. 3 Follow the instructions on the computer screen. Switching between USB and wireless connections (Windows only) You can change the way you access your printer depending on your needs. The procedures below assume that you have configured your printer for one type of connection. See related topics on troubleshooting specific connection types if you encounter difficulties during configuration. Using the printer wirelessly Select the connection type that describes how you currently access your printer: If the printer is currently set up locally (using USB connection) 1 Do one of the following: · In Windows Vista, click .

· In Windows XP and earlier, click Start. 2 Click All Programs or Programs, and then select the printer program folder from the list. 3 Click Tools <sup>a</sup> Lexmark Wireless Setup Utility. 4 Follow the instructions on the Welcome screen. Note: There is no need to remove the USB cable connecting the printer to the computer during wireless configuration. Using the printer locally (USB) Select the connection type that describes how you currently access your printer: If the printer is currently set up for wireless 1 Do one of the following: · In Windows Vista, click . · In Windows XP and earlier, click Start. 2 Click All Programs or Programs, and then select the printer program folder from the list. 3 Click Tools <sup>a</sup> Lexmark Wireless Setup Utility. 4 Follow the on-screen instructions, attaching the USB cable when prompted to do so.

5 When prompted to choose a wireless network, select Choose Another Network. 6 Select Don't use wireless. 7 Follow the on-screen instructions to complete the setup. Installing the printer on a wireless network (selected models only) 38 Switching between USB and wireless connections (Macintosh only) You can change the way you access your printer depending on your needs. The procedures below assume that you have configured your printer for one type of connection.

See related topics on troubleshooting specific connection types if you encounter difficulties during configuration.



[You're reading an excerpt. Click here to read official LEXMARK X4975 user guide](http://yourpdfguides.com/dref/1261455)  
<http://yourpdfguides.com/dref/1261455>

*Using the printer wirelessly* If the printer is currently set up locally (using USB connection) 1 From the Finder desktop, double-click the printer folder. 2 Double-click Lexmark Wireless Setup Assistant. 3 Follow the on-screen instructions for configuring the printer wirelessly. Note: There is no need to remove the USB cable connecting the printer to the computer during wireless configuration.

*Using the printer locally (USB)* If the printer is currently set up for wireless 1 Attach one end of a USB cable to the USB port on the back of the printer. Attach the other end to a USB port on the computer. 2 Add the printer: In Mac OS X version 10.5 a From the menu bar, click "System Preferences. b Click Print & Fax under the Hardware section. c Click +. d Select the printer from the list and click Add. In Mac OS X version 10.4 or earlier a From the Finder desktop, choose Go "Applications " Utilities " Print Center or Printer Setup Utility, depending on the operating system version you are using. The Printer List dialog appears.

b Choose the printer you want to use. c Click Add. The Printer Browser appears. d Select your printer. e Click Add. 3 A second print queue will be created. Remove the wireless queue if you do not want to switch back to accessing the printer over a wireless connection. Installing the printer on a wireless network (selected models only) 39 Advanced wireless setup Creating an ad hoc wireless network The recommended way to set up your wireless network is to use a wireless access point (wireless router). A network set up this way is called an infrastructure network. If you have an infrastructure network, you should configure the printer for use on that network.

Note: The printer can communicate on only one wireless network at a time. Configuring the printer for an ad hoc wireless network will keep it from working on any other wireless network, either ad hoc or infrastructure. You can set up an ad hoc network if you: · Do not have an access point or wireless router · Do not already have a wireless network (but do have a wireless adapter for your computer) · Want to set up a standalone network between the printer and a computer with a wireless network adapter In Windows Vista 1 Click . 2 Click Control Panel. 3 Click Network and Internet.

4 Under Network and Sharing Center, click Connect to a Network. 5 In the Connect to a Network dialog, click Set up a wireless ad-hoc (computer-to-computer) network, and then click Next. 6 Follow the instructions in the "Set up a wireless ad hoc network" wizard. As part of the setup: a Create a network name or SSID for the network between the computer and your printer. b Write down the name of your network.

Be sure to use the exact spelling and capitalization. c Go to the Security Type list, select WEP, and then create a WEP key. WEP keys must be: · Exactly 10 or 26 hexadecimal characters. Hexadecimal characters are A-F, af, and 0-9. or · Exactly 5 or 13 ASCII characters. ASCII characters are letters, numbers, and symbols found on a keyboard d Write down the password for your network. Be sure to use the exact spelling and capitalization. Windows Vista will enable the ad hoc network for you. It will appear in the "Connect to a network" dialog under "Available networks," indicating that the computer is configured for the ad hoc network. 7 Close the Windows Control Panel and any remaining windows.

8 Insert the installation software CD, and follow the directions for wireless installation. Note: Do not connect the installation or network cables until instructed to do so by the setup software. 9 When the available networks are displayed, provide the network name and the security information you created in step 6. The installer will configure the printer for use with your computer. 10 Store a copy of your network name and security information in a safe place for future reference. Installing the printer on a wireless network (selected models only) 40 In Windows XP 1 Click Start. 2 Click Control Panel. 3 Click Network and Internet Connections. 4 Click Network Connections. 5 Right-click the icon for your wireless network connection.

6 Click Enable, if it appears in the pop-up menu. Note: If Enable does not appear, your wireless connection is already enabled. 7 Right-click the Wireless Network Connection icon. 8 Click Properties. 9 Click the Wireless Networks tab.

Note: If the Wireless Networks tab does not appear, your computer has third-party software that controls your wireless settings. You must use that software to set up the ad hoc wireless network. For more information, see the documentation for the third-party software to learn how to create an ad hoc network. 10

Select the Use Windows to configure my wireless network settings check box. 11 Under Preferred Networks, delete any existing networks. a Select the network to be removed. b Click Remove to delete the network from the list. 12 Click Add to create an ad hoc network. 13 In the Network Name (SSID) box, type the name you want to give your wireless network. 14 Write down the network name you chose so you can refer to it when running the wireless setup. Be sure to use the exact spelling and capitalization. 15 If Network Authentication appears in the list, select Open. 16 In the "Data encryption" list, select WEP. 17 If necessary, clear the "The key is provided for me automatically" check box. 18 In the Network Key box, type in a WEP key.

19 Write down the WEP key you chose so you can refer to it when running the wireless setup. Make sure you copy it down exactly, including any capital letters. 20 In the "Confirm network key" box, type the same WEP key. 21 Select This is a computer-to-computer (ad hoc) network; wireless access points are not used. 22 Click OK twice to close the two open windows. Installing the printer on a wireless network (selected models only) 41 23 It may take a few minutes for your computer to recognize the new settings. To check on the status of your network: a Right-click the Wireless Network Connections icon. b Select View Available Wireless Networks. · If the network is listed but the computer is not connected, select the ad hoc network and then click Connect. · If the network does not appear, wait a minute and then click Refresh network list.

24 Insert the installation software CD, and follow the directions for wireless installation. Note: Do not connect the installation or network cables until instructed to do so by the setup software. 25 When the available networks are displayed, provide the network name and the security information you created beginning in step 13. The installer will configure the printer for use with your computer. 26 Store a copy of your network name and security information in a safe place for future reference.

In Windows 2000 · Refer to the documentation that shipped with your wireless network adapter for information on configuring an ad hoc network with Windows 2000.



[You're reading an excerpt. Click here to read official LEXMARK X4975 user guide](http://yourpdfguides.com/dref/1261455)

<http://yourpdfguides.com/dref/1261455>



For Macintosh users 1 Create a network name. In Mac OS X version 10.5 a From the Finder desktop, click b Click Network. c Click AirPort. System Preferences. In Mac OS X version 10.4 and earlier a From the Finder desktop, click Go Applications. b From the Applications folder, double-click Internet Connect. c From the toolbar, click AirPort. 2 From the Network menu, click Create Network. 3 Create a name for the ad hoc network, and then click OK. Note: Store the network name and password in a safe place for future reference. Adding a printer to an existing ad hoc wireless network Note: The printer can communicate on only one wireless network at a time. Configuring the printer for an ad hoc wireless network will remove it from any other wireless network, either ad hoc or infrastructure, for which it is configured.

Using Windows 1 Do one of the following: · In Windows Vista, click . · In Windows XP and earlier, click Start. Installing the printer on a wireless network (selected models only) 42 2 Click All Programs or Programs, and then select the printer program folder from the list. 3 Click Lexmark Wireless Setup Utility. 4 Follow the instructions on the Welcome screen. Using Macintosh 1 From the Finder desktop, double-click the printer folder. 2 Double-click Lexmark Wireless Setup Assistant. 3 Follow the instructions on the Welcome screen. Using WPS (Wi-Fi Protected Setup) Wi-Fi Protected Setup (WPS) is a method of configuring devices on a secure wireless network using fewer steps than in most other methods. The printer supports WPS and can be configured for a wireless access using WPS.

In order to use WPS to configure the printer, the wireless router must support WPS. Using a WPS-capable router If your router supports WPS, you can add the printer to your wireless network using the method supported by your router. Refer to your router documentation for instructions. Using Windows Vista For information on using Windows Vista to set up the printer using WPS, refer to the documentation that came with the operating system. Note: Lexmark recommends that you use the installation software on the CD that shipped with the printer to configure it for wireless access.

Frequently asked questions Where do I find my WEP key or WPA passphrase? To find the WEP key or WPA passphrase for the wireless network, view the security settings on the access point or wireless router. Most access points have a built-in Web server that can be accessed using a Web browser. If you do not know how to access the built-in Web server, or if you do not have administrator access to the wireless access point on your network, contact your system support person. What is an SSID? A Service Set Identifier (SSID) is the name that identifies a wireless network. All devices on the network must know the SSID of the wireless network or they will not be able to communicate with each other.

Usually, the wireless network broadcasts the SSID to allow wireless devices in the area to connect to it. Sometimes, the SSID is not broadcast for security reasons. If the SSID of your wireless network is not broadcast, it cannot be detected automatically and will not show up in the list of available wireless networks. You must enter the network information manually in this situation. An SSID can contain up to 32 alphanumeric characters. Installing the printer on a wireless network (selected models only) 43 Where do I find my SSID? You can find the SSID for the wireless network by viewing the settings on the access point or wireless router. Most access points have a built-in Web server that can be accessed using a Web browser. Many network adapters provide a software application that allows you to view the wireless settings of your computer, including your SSID. Check your computer to see if a program was installed with your network adapter. If you are unable to locate your SSID using either of these methods, contact your system support person.

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

Devices on a wired network use cables to communicate with each other. Devices on a wireless network use radio waves instead of cables to communicate with each other. For a device to be able to communicate wirelessly, it must have a wireless print server attached or installed that lets it receive and transmit radio waves. What types of wireless network security are available? The wireless printer supports four security options: no security, WEP, WPA, and WPA2. No Security It is not recommended to use no security at all on a home wireless network. Using no security means that anyone within range of your wireless network can use your network resources—including Internet access, if your wireless network is connected to the Internet. The range of your wireless network may extend far beyond the walls of your home, allowing access to your network from the street or from your neighbors' homes. Ad hoc networks, which do not use wireless access points or routers, may be safely used without security.

The range of an ad hoc network is very short, making unauthorized access unlikely. WEP WEP (Wireless Equivalent Privacy) is the most basic and the weakest type of wireless security. WEP security relies on a series of characters called the WEP key. Every device on the wireless network must use the same WEP key. WEP security can be used on both ad hoc and infrastructure networks.

A valid WEP key has: · Exactly 10 or 26 hexadecimal characters. Hexadecimal characters are A-F, a-f, and 0-9 or · Exactly 5 or 13 ASCII characters. ASCII characters are letters, numbers, punctuation, and symbols found on a keyboard. WPA and WPA2 WPA (Wi-Fi Protected Access) and WPA2 (Wi-Fi Protected Access 2) offer stronger wireless network security than WEP. WPA and WPA2 are similar types of security.

WPA2 is a newer version of WPA and is more secure than WPA. Both WPA and WPA2 use a series of characters, called the WPA pre-shared key or passphrase, to protect wireless networks from unauthorized access. Installing the printer on a wireless network (selected models only) 44 A valid WPA passphrase has: · From 8 to 63 ASCII characters. ASCII characters in a WPA passphrase are case-sensitive. or · Exactly 64 hexadecimal characters. Hexadecimal characters are A-F, a-f, and 0-9. Every device on the wireless network must use the same WPA passphrase. WPA security is an option only on infrastructure networks with wireless access points and network cards that support WPA. Most newer wireless network equipment also offers WPA2 security as an option. How do I find out what type of security my network is using? You must know the WEP key or WPA passphrase and the type of security (WEP, WPA, or WPA2) used on the wireless network.



[You're reading an excerpt. Click here to read official LEXMARK X4975 user guide](http://yourpdfguides.com/dref/1261455)

<http://yourpdfguides.com/dref/1261455>

To obtain this information, see the documentation that came with your wireless access point (wireless router), see the Web page associated with the wireless access point, or consult your system support person. Note: The WEP key or WPA passphrase is not the same as the password for the wireless access point. The password allows you to access the wireless access point settings. The WEP key or WPA passphrase allows printers and computers to join your wireless network. How are home networks configured? For desktop computers, laptops, and printers to communicate with each other over a network, they must be connected by cables and/or have wireless network adapters built in or installed in them. There are many different ways a network can be set up. Five common examples appear below. Note: The printers in the following diagrams represent printers with internal print servers built in to them so that they can communicate over a network. Wired network example · A desktop computer, a laptop, and a printer are connected by Ethernet cables to a hub, router, or switch. · The network is connected to the Internet through a DSL or cable modem.

Installing the printer on a wireless network (selected models only) 45 Wireless network examples Scenario 1: Mixed wired and wireless connections on a network with Internet access · All computers and printers connect to the network through a router with Ethernet and wireless capabilities. · Some computers and printers connect wirelessly to the router; others connect over a wired connection. · The network is connected to the Internet through a DSL or cable modem. Scenario 2: Wireless network with Internet access · All computers and printers connect to the network using a wireless access point or wireless router. · The wireless access point connects the network to the Internet through a DSL or cable modem.

Installing the printer on a wireless network (selected models only) 46 Scenario 3: Wireless network with no Internet access · Computers and printers connect to the network using a wireless access point. · The network has no connection to the Internet. Scenario 4: Computer connected wirelessly to a printer without Internet access · A computer is directly connected to a printer without going through a wireless router. · This configuration is referred to as an ad hoc network. · The network has no connection to the Internet.

Note: Most computers can connect to only one wireless network at a time. If you access the Internet over a wireless connection, you will lose Internet access if you are connect to an ad hoc network. Why do I need an installation cable? When setting up the printer on your wireless network, the printer will need to temporarily connect to a computer using the installation cable. This temporary connection is used to set up the wireless settings of the printer. The installation cable connects to a rectangular USB port on the installing computer and the square USB port on the printer. Installing the printer on a wireless network (selected models only) 47 How do I attach the installation cable? The installation cable attaches to a USB port on the computer and to the square connector on the back of the printer. This connection allows you to configure the printer for a networked or locally attached installation. 1 Attach the large, rectangular connector to any USB port on your computer. USB ports may be on the front or the back of the computer, and may be horizontal or vertical. 2 Attach the small, square connector to the printer.

3 Continue following the on-screen instructions. How are infrastructure and ad hoc networks different? Wireless networks can operate in one of two modes: infrastructure or ad hoc. In infrastructure mode, all devices on a wireless network connect to a wireless router (wireless access point). Devices on the wireless network must have valid IP addresses for the current network and share the same SSID and channel as the wireless access point. In ad hoc mode, a computer with a wireless network adapter connects directly to a printer equipped with a wireless print server. There is no wireless router or access point in an ad hoc network. The computer must have a valid IP address for the current network and be set to ad hoc mode. The wireless print server must be configured to use the same SSID and channel that the computer is using. Installing the printer on a wireless network (selected models only) 48 The following table compares the characteristics and requirements of the two types of wireless networks. Infrastructure Characteristics Communication Security Range Speed Requirements for all devices Unique IP address for each device Same SSID Yes Yes, including the wireless access point Yes Yes Through wireless access point More security options Directly between devices WEP or no security Ad hoc Determined by range and number Restricted to range of individual of wireless access points devices on network Usually faster Usually slower Lexmark recommends setting up a network in infrastructure mode using the installation CD that came with the printer.

Infrastructure mode is the recommended setup method because it offers: . . . Increased network security Increased reliability Faster performance Easier setup Finding the signal strength Wireless devices have built-in antennas that transmit and receive radio signals. The signal strength listed on the printer network setup page indicates how strongly a transmitted signal is being received. Many factors can affect the signal strength. One factor is interference from other wireless devices or other devices such as microwave ovens. Another factor is distance.

The farther two wireless devices are from each other, the more likely it is that the communication signal will be weaker. The strength of the signal received by your computer can also affect the connectivity of the printer with the network during configuration. When you installed the wireless adapter in your computer, the adapter software probably placed an icon in your system tray. Try double-clicking this icon, and it will tell you how strongly the computer is receiving the wireless signal from the network. To improve signal quality, remove sources of interference and/or move wireless devices closer to the wireless access point (wireless router).

Installing the printer on a wireless network (selected models only) 49 How can I improve wireless signal strength? A common reason wireless printers fail to communicate over a network is poor wireless signal quality. If the signal is too weak, too distorted, or blocked by an object, it cannot carry information between the access point and the printer. To determine if the printer is receiving a strong signal from the access point, print a network setup page. The Quality field indicates the relative strength of the wireless signal the printer is receiving.



[You're reading an excerpt. Click here to read official LEXMARK X4975 user guide](http://yourpdfguides.com/dref/1261455)  
<http://yourpdfguides.com/dref/1261455>