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You can read the recommendations in the user guide, the technical guide or the installation guide for LEXMARK X3650. You'll find the answers to all your questions on the LEXMARK X3650 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LEXMARK X3650
User guide LEXMARK X3650
Operating instructions LEXMARK X3650
Instructions for use LEXMARK X3650
Instruction manual LEXMARK X3650

LEXMARK

3600-4600 Series User's Guide

2008

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Manual abstract:

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...138 7 8 Safety information Use only the power supply and power supply cord provided with this product or the manufacturer's authorized replacement power supply and power supply cord. Connect the power supply cord to an electrical outlet that is near the product and easily accessible.

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

Remove the power cord from the electrical outlet before inspecting it. Refer service or repairs, other than those described in the user documentation, to a professional service person. This product is designed, tested, and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.

CAUTION--SHOCK HAZARD: Do not set up this product or make any electrical or cabling connections, such as the power supply cord or telephone, during a lightning storm. **SAVE THESE INSTRUCTIONS.** 9 Introduction Finding information about the printer Publications See the Quick Setup sheet For Initial setup instructions. Printed Networking Guide / Fax Guide Additional setup instructions. Note: Your printer may not come with these publications.

Electronic User's Guide Windows Help Complete instructions for using the printer. The electronic version installs automatically with the printer software. Additional instructions for using the printer software on a Windows operating system. The Help installs automatically with the programs. 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 From the program, click Help to view the main page of the Help. Click Mac Help Note: Your printer may not have support for Macintosh and may not have this 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. 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. 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 came with your printer.

Telephone support Call us at · US: 1-800-332-4120 MondayFriday (8:00 AM11:00 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) Support in French: MondayFriday (9:00 AM7:00 PM ET) · Mexico: 01-800-253-9627 MondayFriday (8:00 AM8:00 PM ET) Note: Support numbers and times may change without notice.



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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.

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 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 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. 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. 4 Scroll through the Web page to view the warranty. 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 12 Setting up the printer Bypassing security warnings during software 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, allow the printer software to be installed on your computer.

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 Power cord Printer software CD USB cable or installation cable Note: Your printer model may not ship with a USB cable.

Purchase a USB cable separately. 4 Networking Guide Note: Your printer model may not come with this publication. 5 6 Quick Setup sheet Print cartridges 13 2 Remove all tape and packing material from all areas of the printer. 3 Raise the paper support, and then extend the paper exit tray. 4 Extend the paper guides. 5 Connect the power cord to the printer, and then to an electrical outlet that is easily accessible and near the printer. 14 6 Press to turn on the printer. 7 If prompted, set the language. 8 If prompted, set the country/region. 9 Open the printer, and then press down on the print cartridge carrier levers.

15 10 Open the color cartridge foil, and then remove the cartridge from the pack. 11 If a storage unit is included, remove the color cartridge from the storage unit. 12 Remove the tape from the color print cartridge, insert the cartridge in the right carrier, and then close the color cartridge lid. 13 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. 16 14 Remove the tape from the black print cartridge, insert the cartridge in the left cartridge carrier, and then close the cartridge carrier lid. 15 Close the printer, and then load plain paper. 16 From the printer control panel, press . 17 An alignment page prints. 17 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 Paper support Printer control panel To Load paper. Operate the printer. 18 Use the 3 Wi-Fi indicator Note: Your printer model may not have wireless capability and may not have this indicator.

To 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. . Green indicates that the printer is connected to a wireless network. 4 5 6 PictBridge port Card reader light Quick Connect laptop port Notes: Connect a PictBridge-enabled digital camera or a flash drive to the printer. Check card reader status.

The light blinks to indicate that a memory card is being accessed. Connect a laptop computer to the printer using a USB cable. Warning--Potential Damage: Do not touch the . Your printer model may not have this port. USB port except when plugging in or removing a . Do not use this port simultaneously with the rear USB cable or installation cable. USB port. 7 8 9 10 11 Memory card slots Paper exit tray Top cover Paper feed guard Paper guides Insert a memory card. Hold paper as it exits. Access the scanner glass. Prevent items from falling into the paper slot. Keep paper straight when feeding.

19 Use the 1 2 Scanner glass Scanner unit To Scan and copy photos and documents. . Access the print cartridges. . Remove paper jams. Install, replace, or remove a print cartridge. Connect the printer to a desktop 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. Connect the printer to a power source. Connect the printer to a wireless network. 3 4 Print cartridge carrier Rear USB port Note: Do not use this port simultaneously with the Quick Connect laptop port. 5 6 Power supply with port Internal wireless print server Note: Your printer model may not have wireless capability and may not have this print server.

Using the printer control panel buttons and menus Using the printer control panel The printer control panel contains: . Power on/off button . Two-line display that shows the printer status, messages, and menus 20 . 11 buttons Press 1 To . 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.



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/ Switch to color mode or black-and-white mode. Start a print, scan, or copy job, depending on which mode is selected. Access the photo menu and print photos. Access the scan menu and scan documents. 2 3 4 5 6 7 · Turn the printer on and off.
· Switch to Power Saver mode. Note: Press the printer. to switch to Power Saver mode. Press and hold for two seconds to turn off 8 9 Access the copy menu and make copies. · Cancel a print, copy, or scan job in progress. · Exit from a menu level of the Copy, Scan, Photo, and File Print menus to the top level of a menu. · Exit from a menu level of the Setup menu to the top level of the previous mode. · Clear current settings or error messages, and return to default settings. 21 Press 10 To Select a menu item that appears on the display. Save settings.

Move one level deeper in a submenu. Feed or eject paper. Press and hold for 3 seconds to feed or eject paper from the printer. 11 Access the setup menu and change printer settings. Note: Other button lights are off when this button is selected. 12 · Decrease a number. · Move the cursor one place to the left. · Scroll through menus or settings on the display. Using the printer menus A number of menus are available to make it easy for you to change printer settings: 22 Menus List Setup menu Maintenance Photo menu Note: The Photo menu is enabled only when you insert a memory device into the printer. Easy Photo
· Ink Levels Clean Cartridges Align Cartridges Print Test Page Language Country Power Saver Clear Settings Timeout Device Setup · Print · Photo Size · Paper Size Print Photos Network Setup (appears only if the printer is connected to a network) Print Setup Page Wireless Information TCP/IP File Print Reset Network Adapter Defaults Paper Size Paper Type Photo Print Size Set Defaults Print Lighter/Darker Photo Effects Photo Size Paper Size Paper Type Layout Quality Print Last 20 Print All Print Date Range Scan Sheet Proof Sheet Defaults Save Photos · Computer (appears only if the printer is connected directly to a computer) · Network (appears only if the printer is connected to a network) · USB Flash Drive (does not appear if a flash drive is already inserted into the printer) · Memory Card (does not appear if a memory card is already inserted into the printer) Select Computer (appears only if the printer is connected to a network) 23 Copy menu Copies Quality Lighter/Darker Resize Original Size Photo Reprint Collate Pages per Sheet Copies per Sheet Content Type Scan menu Scan to PictBridge menu Note: The PictBridge menu is enabled only when you insert a PictBridge-enabled camera into the printer.

Photo Size Paper Size Paper Type Layout Quality · Computer · Network (appears only if the printer is connected to a network) · USB Flash Drive · Memory Card Quality Original Size 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. Using the Copy menu To access the Copy menu, press From here Copies Quality Lighter/Darker Resize Original Size Photo Reprint Collate Pages per Sheet Copies per Sheet on the printer control panel. You can Specify the number of copies to print. You can choose from one to 99.

Set the quality of a copy as Automatic, Draft, Normal, or Photo. Adjust the brightness of a copy. Choose to resize the copy by a percentage or according to other options. Specify the size of the document being copied. Make high-quality reprints of a photograph.

Copy multiple pages as a set. The last page copied is printed first. Choose how many pages to print on a sheet of paper. You can print one, two, or four pages per sheet. Choose how many copies of an image to print on a page. You can copy one, four, nine, or 16 images per page. Note: Do not use this option with the Resize option. Content Type Specify the type of document being copied: text and graphics, photo, or text only. 24 Using the Scan menu To access the Scan menu, press From here Scan to on the printer control panel. You can Choose the destination of the scanned image.

Select: Computer Network (appears only in printers connected to a network) USB Flash Drive Memory Card Notes: · If you choose a computer as the destination, then a list of applications will be downloaded to the printer. Choose the application that you will use to open the scanned image on the computer. · If you choose a network computer, you may be prompted to enter a PIN if the computer requires it. · Use the arrow buttons to increase or decrease the value for each digit (the default value is 0000) in the PIN, and then press Quality Original Size Choose a scan quality. Set the size of the original document. each time you select a digit. Using the Photo menu The Photo menu automatically launches when you insert a memory card or a flash drive that contains only image files into the printer. If the flash drive you inserted into the printer contains document files and image files, press the arrow buttons until Photo appears, and then press . You can also access the Photo menu when you press device. From here Easy Photo You can Print photos.

You can print the last photo, print all photos, print photos that fall within a date range, or print photos by selecting photo numbers. You can also set the photo size and paper size. Note: Use this menu if you want to print photos quickly. Print Photos Print photos using the selections in the Easy Photo menu plus: on the printer control panel and then insert a memory · Apply color effects to the photos. · Adjust the quality, layout, and brightness of a photo.

· Print photos using Digital Print Order Format (DPOF). This option appears only when there is a valid DPOF file in the memory device. Note: Use this menu if you want to customize the photos before printing them. 25 From here Proof Sheet You can Print and then scan a proof sheet: · For all photos · For the most recent 20 photos, if there are 20 or more photos on the memory device · By date Save Photos Select Computer (appears only in printers connected to a network) Save photos to a computer or memory device. Choose a network computer.

Notes: · You may be prompted to enter a PIN if the computer requires it. To assign a computer name and a PIN to the network computer, see the Help for the printer software associated with your operating system.



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· Use the arrow buttons to increase or decrease the value for each digit (the default value is 0000) in the PIN, and then press select a digit. each time you Using the PictBridge menu The PictBridge menu automatically launches when you connect a PictBridge-enabled digital camera to the printer. The menu lets you select printer settings if no settings are selected from your digital camera. For more information on making camera selections, see the documentation that came with your camera. From here Photo Size Paper Size Paper Type Layout Quality You can Specify the size of the photo to be printed. Specify a paper size. Specify a paper type. Choose the layout of the photo or photos to be printed.

Choose the quality of the photo or photos to be printed. Using the Setup menu To access the Setup menu, press From here Maintenance on the printer control panel. You can Select: · Ink Level to view the ink level of the black cartridge, color cartridge, or photo cartridge. · Clean Cartridges to clean the print cartridge nozzles. · Align Cartridges to align the cartridges. · Print Test Page to print a test page. 26 From here Device Setup You can Select: · Language to change the language setting. · Country to set the default blank paper size and date format being used in your location. · Power Saver to set the time that it takes for the printer to switch to Power Saver mode when left idle. · Clear Settings Timeout to change the time that it takes for the printer to reset the menus to factory default settings when the printer is left idle.

Network Setup Note: Your printer model may not have wireless capability and may not have this option. Select: · Print Setup Page to print a page that lists the network settings. · Wireless Information to view the network name and the signal strength of the wireless network. · TCP/IP to view the IP address, IP Netmask, and IP Gateway of the printer. · File Print to choose whether a network computer is selected automatically or manually during File Print jobs.

· Reset Network Adapter Defaults to reset the wireless network settings. Defaults Select: . . . After selecting an option, press Paper Size to choose a paper size. Paper Type to choose a paper type. Photo Print Size to choose the size of photo(s) to print. Set Defaults to choose to use the current default settings or the factory default settings.

until you exit Setup, or press another mode button. to save your selection. Press 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 Paper Size appears on the display. . . 2 Press the arrow buttons until Defaults appears, and then press 3 Press again. 4 Press the arrow buttons to select the default paper size for the printer, and then press 5 Press the arrow buttons until Paper Type appears, and then press . .

6 Press the arrow buttons to select the default paper type for the printer, and then press 7 Press the arrow buttons until Photo Print Size appears, and then press . . 27 8 Press the arrow buttons to select the default photo print size for the printer, and then press 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 Resize Lighter/Darker Quality Copies per Sheet Pages per Sheet Original Size Content Type Scan 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. Photo menu Lighter/Darker Photo Effects Photo Size Layout Quality To change the temporary settings into new default settings 1 From the printer control panel, press . . . 2 Press the arrow buttons until Defaults appears, and then press Use Current appears on the display.

3 Press the arrow buttons until Set Defaults appears, and then press 4 Press 5 Press again. 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 arrow buttons until Device Setup appears, and then press 28 3 Press the arrow buttons until Clear Settings Timeout appears, and then press 4 Press the arrow buttons until Never appears, and then press 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 arrow buttons until Device Setup appears, and then press 3 Press the arrow buttons until Power Saver appears, and then press 4 Press the arrow buttons to select a Power Saver timeout, and then press 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 printer software CD.

3 From the main installation screen, click Install. 4 Follow the instructions on the screens. Using Macintosh 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 screens. 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. 29 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.



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To use XPS features, you must install the XPS driver as an additional driver after you install the regular printer software.

Notes: · Before installing the XPS driver, you must install the printer on your computer. · Before installing the XPS driver, you must install the Microsoft QFE Patch and extract the driver files from the installation software CD. To install the patch, you must have administrator privileges on the computer. To install the Microsoft QFE Patch and 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-ROM drive icon, and then double-click Drivers. 4 Double-click xps, and then double-click setupxps file. XPS driver files are copied to your computer, and any required Microsoft XPS files are launched. Follow the instructions on the screen to finish installing the patch. 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.

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 ends in your printer model number, and then double-click Drivers. c Double-click xps, and then click Open. d From the Install From Disk dialog, 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 (D:\Drivers\xps\readme). 30 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. Abbyy Sprint OCR Lexmark Wireless Setup Utility Scan a document and produce text that you can edit with a word-processing program.

· 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. 31 Use the Lexmark Service Center To · 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 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. Use the Lexmark All-In-One Center To · Scan photos and documents. · Customize settings for scan jobs.

32 Use the Lexmark Fax Setup Utility To · 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 Network Card Reader 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. Switching between the rear USB port and the Quick Connect laptop port (selected models only) If the printer is connected to a desktop computer through the rear USB port and you decide to connect a laptop computer to the printer through the Quick Connect laptop port, then the Quick Connect laptop port connection overrides the rear USB port connection. The active print jobs on the desktop computer may be canceled.

Pause or cancel active jobs on the desktop computer before switching between ports.



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Switching from a desktop computer to a laptop computer 1 Pause or cancel active jobs on the desktop computer. 2 Connect a USB cable to the laptop computer and then to the Quick Connect laptop port on the front of the printer. Warning--Potential Damage: Do not plug in or remove the USB cable from the Quick Connect laptop port while a memory device is being accessed by the printer. 3 If you have not yet installed the printer software on the laptop, then install it.

Using Windows a Insert the installation software CD. b 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 1 Click . 2 In the Start Search box, type D:\setup.exe, where D is the letter of your CD or DVD drive. 3 In Windows XP and earlier 1 Click Start. 2 Click Run. 3 Type D:\setup.exe, where D is the letter of your CD or DVD drive. c Follow the instructions on the computer screen.

Using Macintosh a Insert the installation software CD. b Wait for the Welcome screen to appear. Note: If the Welcome screen does not appear after a minute, then click the CD icon on the desktop. c Double-click Install. d Follow the instructions on the computer screen. 34 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. 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 (wireless router) 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. Using a wireless network with no security is not recommended because it can allow intruders to use your network resources without your consent. Note: Make sure you copy down the security key and SSID exactly, including any capital letters, and store it in a safe place for future reference. Use the table provided below to write down this information. Item SSID (name of your wireless network) Security key (WEP key or WPA passphrase) 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 (wireless router), or contact your system support person. Description 35 Installing the printer on a wireless network Before you install the printer on a wireless network, make sure that: · You have completed the initial setup of the printer. · 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. Using Windows 1 Insert the installation software CD. 2 Wait a minute 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. 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. Using Macintosh 1 Insert the installation software CD. 2 Wait a minute 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 instructions on the Welcome screen to set up the printer. Wireless installation instructions (France only) The following instructions apply to customers using a LiveBox, AliceBox, N9UF Box, FreeBox, or Club Internet. 1 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. 2 Before installing the printer, make sure your box is turned on and that your computer is on and connected to your wireless network.

3 Set up your printer using the setup instructions provided. 4 If there is an associate/registration button on the back of your box, press it when you are prompted to choose a network. Note: After pressing the associate/register button, you have five minutes to complete the printer installation. 36 5 Return to the computer screen, and choose the network you want to connect to. If you want to use the network shown, choose Connect to <network name>, and then click Continue. If you do not want to use the network shown: a Choose Connect to another network, and then click Continue. b Choose the network you want to use from the list of available networks, and then click Continue. 6 Enter 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.

7 Follow the instructions on your screen to complete installation. Configuring an IP address manually The printer will be assigned an IP address automatically through DHCP on most wireless networks. During wireless setup, you will be asked to manually assign an IP address to the printer in the following situations: · You manually assigned IP addresses for the other network devices. · You want to assign a specific IP address. · You moved the printer to a remote subnet. For more information, contact your system support person. Interpreting the colors of the Wi-Fi indicator light The Wi-Fi indicator light helps you determine the network status of the printer.



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The following describes what the colors of the Wi-Fi indicator light mean. · Off may indicate that the printer is off, the printer is in the initial power-up state, the internal print server is not installed, or the internal print server is not properly connected. The light should be in this state: When the printer is turned off -

When the printer is in power saver mode When the printer does not have an internal print server installed and you want to connect the printer to the computer using a USB cable · Orange may indicate that the printer is being configured for use on the wireless network, the internal print server is not configured in infrastructure mode, or the internal print server is waiting to be configured for ad hoc mode.

The light should be in this state: When you want to use the printer without a computer When you want to set up the printer on your wireless network When the printer is set up for an ad hoc network and is broadcasting its wireless network name (SSID) · Blinking orange may indicate that: 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 (wireless router), but the wireless access point (wireless router) may be turned off or not working properly. 37 The printer is trying to establish communication with the wireless access point (wireless router). This is true if you have already configured the printer for use on your wireless network. When the printer has been configured, any time you turn the printer off and then turn it back on, the internal print server in the printer will try to connect to your wireless access point (wireless router).

The wireless settings of the printer may no longer be valid. · Green indicates that the printer is connected to a wireless network. The light should be in this state when you want to start using the printer that is already set up on your wireless network. · Blinking green indicates that the printer internal print server is being updated. 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. @@@3 Click Tools 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. 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. Using the Network Setup menu The Network Setup menu is available only if your printer model has an internal wireless print server, and if the printer is connected to a network. Use this menu to view the wireless settings of the printer, print a network setup page, and reset the internal wireless print server. 1 From the printer control panel, press .

. 2 Press the arrow buttons until Network Setup appears, and then press From here Print Setup Page Wireless Information You can Print a network setup page. View the network name of the current active network and the signal strength of the connection. 38 From here TCP/IP File Print You can View network settings. Choose whether to select a network computer automatically or manually for File Print jobs. · If the setting is Auto Select, then the printer selects a network computer automatically. · If the setting is Manual, or if the setting is Auto Select but the network computers detected by the printer require a PIN, then you need to select a network computer from the File Print menu. Reset Network Adapter Defaults Reset the internal wireless print server to factory default settings. Wireless Setup menu From here Network Name Wireless Signal Quality You can View the current Service Set Identifier (SSID). View the wireless signal strength.

TCP/IP menu From here View IP Address View IP Netmask View IP Gateway You can View the IP address currently assigned to the printer. View the subnet mask currently configured for the printer. View the currently configured gateway IP address for the network. Installing the printer on other computers Once the printer is configured, 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. 39 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 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. 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 in your home, you should configure your printer for use on that network. If you do not have a wireless access point or would like to set up a standalone network between your printer and a computer with a wireless network adapter, then you can set up an ad hoc network. 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 the name of your network in the space provided so you can refer to it when running the wireless setup. Make sure you copy the exact spelling and capitalization. SSID (name of your wireless network) c Go to the Security Type drop-down list, choose WEP, and then create a security key (or password).



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40 WEP keys must 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. Note: Security is optional for ad hoc networks.

The range of an ad hoc network is much less than the range of an infrastructure network, making it less likely that intruders will connect to it without your knowledge. d Write the password for your network in the space provided so you can refer to it when running the wireless setup. Make sure you copy the exact spelling and capitalization. Security key (if network is secure) 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 Control Panel and any remaining windows. 8 If this is the first time you will be setting up the printer for use on a wireless network, insert the installation software CD, and then follow the instructions on the Welcome screen. Otherwise: a Click . b Click All Programs. c Select the printer program folder, and then click Tools Lexmark Wireless Setup Utility.

9 When the available networks are displayed, provide the network name and the security information you created. 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. In Windows XP and earlier 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. 41 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. Make sure you copy the exact spelling and capitalization. SSID (name of your wireless network) 15 If Network Authentication appears in the list, then select Open. 16 In the "Data encryption" list, select WEP. Note: Security is optional for ad hoc networks. The range of an ad hoc network is much less than the range of an infrastructure network, making it less likely that intruders will connect to it without your knowledge. 17 If necessary, clear the "The key is provided for me automatically" check box. 18 In the Network Key box, type in a security key.

19 Write down the security key you chose so you can refer to it when running the wireless utility. Make sure you copy the exact spelling and capitalization. Security key (if network is secure) Note: For more information about passwords (security keys), see "Check your security keys" in the "Wireless troubleshooting" section of the Troubleshooting chapter. 20 In the "Confirm network key" box, type the same security 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. 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 If this is the first time you will be setting up the printer for use on a wireless network, insert the installation software CD, and then follow the instructions on the Welcome screen. Otherwise: a Click Start. b Click All Programs or Programs.

c Select the printer program folder from the list, and then click Tools Lexmark Wireless Setup Utility. 42 25 When the available networks are displayed, provide the network name and the security information you created in steps 11-16. The utility 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. Using Macintosh 1 Make sure the computer is on. 2 Create a network name. For Mac OS X version 10.5 System Preferences. a From the Finder desktop, click b Click Network. c Click AirPort. d From the Network Name pop-up menu, click Create Network. e Create a name for your ad hoc network, and then click OK. For 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. d From the Network pop-up menu, click Create Network. e Create a name for your ad hoc network, and then click OK. 3 Write down the network name you chose so you can refer to it when running the wireless utility. Make sure you copy the exact spelling and capitalization. SSID (name of your wireless network) 4 If this is the first time you will be setting up the printer for use on a wireless network, insert the installation software CD, double-click the installer icon for your printer on the Finder desktop, and then follow the instructions on the Welcome screen. Otherwise, from the Finder desktop, double-click the printer folder, and then double-click Lexmark Wireless Setup Assistant. 5 When prompted, provide the network name and/or the security information you created. The utility will configure the printer for use with your computer. 6 Store a copy of your network name and security information in a safe place for future reference.

Adding a printer to an existing ad hoc wireless network Using Windows 1 Do one of the following: · In Windows Vista, click . · In Windows XP and earlier, click Start. 43 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. Frequently asked questions 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.



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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. 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 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. 44 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 a cable modem. Wireless network examples Four common wireless networks are: · · · Scenario 1: Laptop and printer connected wirelessly with Internet Scenario 2: Desktop computer, laptop, and printer connected wirelessly with Internet Scenario 3: Desktop computer, laptop, and printer connected wirelessly without Internet Scenario 4: Laptop connected wirelessly to printer without Internet Scenario 1: Laptop and printer connected wirelessly with Internet · A desktop computer is connected to a wireless router by an Ethernet cable. · A laptop and a printer are connected wirelessly to the router.

· The network is connected to the Internet through a DSL or a cable modem. 45 Scenario 2: Desktop computer, laptop, and printer connected wirelessly with Internet · A desktop computer, a laptop, and a printer are connected wirelessly to a wireless router. · The network is connected to the Internet through a DSL or a cable modem. Scenario 3: Desktop computer, laptop, and printer connected wirelessly without Internet · A desktop computer, a laptop, and a printer are connected wirelessly to a wireless access point (wireless router). · The network has no connection to the Internet. Scenario 4: Laptop connected wirelessly to printer without Internet · A laptop is directly connected wirelessly to a printer without going through a wireless router. · The network has no connection to the Internet. · This configuration is referred to as 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. 46 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. What is the difference between infrastructure and ad hoc networks? Wireless networks can operate in one of two modes: infrastructure or ad hoc. In infrastructure mode, all devices on a wireless network communicate with each other through a wireless router. Devices on the wireless network must have valid IP addresses for the current network and share the same SSID and channel as the wireless router (wireless access point).

In ad hoc mode, a computer with a wireless network adapter communicates directly with a printer equipped with a wireless print server. 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. 47 The following table compares the characteristics and requirements of the two types of wireless networks.

Characteristics	Communication	Security	Range	Through wireless access point (wireless router)	More security options	Determined by range and number				
Restricted to range of individual of wireless access points (wireless devices on network routers)	Usually faster	Usually slower	Directly between devices	Ad hoc	Speed	Requirements for all devices				
Unique IP address for each device	Mode set to Same SSID	Same channel	Yes	Infrastructure mode	Yes, including the wireless access point (wireless router)	Yes, including the wireless access point (wireless router)				
Yes	Ad hoc mode	Yes	Yes	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 has: · · ·	· Increased network security	Increased reliability	Faster performance	Easier setup	Finding the signal strength	Wireless devices have built-in antennas that transmit and receive radio signals. The signal strength listed on the printer network setup page indicates how strongly a transmitted signal is being received. Many factors can affect the signal strength. One factor is interference from other wireless devices or 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). 48 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. Drops in signal strength can be intermittent, however, and although the signal quality appears high, it may drop during certain conditions.



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