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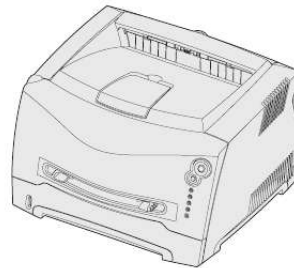
You can read the recommendations in the user guide, the technical guide or the installation guide for LEXMARK E232. You'll find the answers to all your questions on the LEXMARK E232 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LEXMARK E232
User guide LEXMARK E232
Operating instructions LEXMARK E232
Instructions for use LEXMARK E232
Instruction manual LEXMARK E232

LEXMARK[™]

E230, E232, E330, E332n

User's Reference



November 2003

www.lexmark.com

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Manual abstract:

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European Community (EC) directives conformity This product is in conformity with the protection requirements of EC Council directives 89/336/EEC and 73/23/EEC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits. A declaration of conformity with the requirements of the directives has been signed by the Director of Manufacturing and Technical Support, Lexmark International, S.



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A., Boigny, France. This product satisfies the Class B limits of EN 55022 and safety requirements of EN 60950.

Japanese VCCI notice Notices 8 Printer energy consumption The following table documents the power consumption characteristics of the printer. Statement of Limited Warranty Lexmark International, Inc., Lexington, KY This warranty applies to the United States and Canada. For customers outside the U.S. and Canada, refer to the country-specific warranty information that came with your printer. Power consumption (by Machine Type) 4505-100, 4505-200, 4546-xxx 370 W 65 W 6W 4505-300, 4505-310, 4547-xxx 420 W 80 W 7W Lexmark E230, E232, E330, E332n This Statement of Limited Warranty applies to this product if it was originally purchased for your use, and not for resale, from Lexmark or a Lexmark remarketer, referred to in this statement as "Remarketer." Mode Printing Ready Power Saver Description Printer is generating hard copy output Printer is waiting for a print job Printer is in energy saving mode Printer is plugged into a wall outlet, but switch is turned off Warranty Lexmark warrants that this product: · Is manufactured from new parts, or new and serviceable used parts, which perform like new parts · Is free from defects in material and workmanship · Conforms to Lexmark's official published specifications · Is in good working order If this product does not function as warranted during the warranty period, contact a Remarketer or Lexmark for repair without charge. If this product is a feature or option, this statement applies only when that feature or option is used with the product for which it was designed. To obtain warranty service, you may be required to present the feature or option with the product. If you transfer this product to another user, warranty service under the terms of this statement is available to that user for the remainder of the warranty period. You should transfer proof of original purchase and this statement to that user. Off 0W 0W The power consumption levels listed in the previous table represent time-averaged measurements. Instantaneous power draws may be substantially higher than the average. Power Saver As part of the ENERGY STAR program, this printer is designed with an energy-saving mode called Power Saver.

The Power Saver Mode is equivalent to the EPA Sleep Mode. The Power Saver Mode saves energy by lowering power consumption during extended periods of inactivity. The Power Saver Mode is automatically engaged after this printer is not used for a specified period of time, called the Power Saver Timeout. The factory default Power Saver Timeout is 15 minutes for the Lexmark E230 and 30 minutes for the Lexmark E232, Lexmark E330, and Lexmark E332n. By using the printer configuration menus, the Power Saver Timeout can be modified between 1 minute and 240 minutes. Setting the Power Saver Timeout to a low value reduces energy consumption, but may increase the response time of the printer. Setting the Power Saver Timeout to a high value maintains a fast response, but uses more energy. If the Power Saver Mode is affecting the effective use of this printer, this mode can be disabled from the Local Printer Setup Utility (see page 103) or, if you have a network model, from the printer's resident Web page (see page 102). Warranty service The warranty period is 12 months and starts on the date of original purchase as shown on the purchase receipt. To obtain warranty service you may be required to present proof of original purchase.

Warranty service will be provided at a Remarketer or a Lexmark designated location. You may be required to deliver your product to the Remarketer or Lexmark, or ship it prepaid and suitably packaged to a Lexmark designated location. You are responsible for loss of, or damage to, a product in transit to the Remarketer or the designated location. When warranty service involves the exchange of a product or part, the item replaced becomes the property of the Remarketer or Lexmark. The replacement may be a new or repaired item.

The replacement item assumes the remaining warranty period of the original product. Replacement is not available to you if the product you present for exchange is defaced, altered, in need of a repair not included in warranty service, or damaged beyond repair. Also, such product must be free of any legal obligation or restrictions that prevent its exchange. Before you present this product for warranty service, remove all programs, data, and removable storage media. Total energy usage It is sometimes helpful to calculate the total printer energy usage.

Since power consumption claims are provided in power units of Watts, the power consumption should be multiplied by the time the printer spends in each mode in order to calculate energy usage. The total printer energy usage is the sum of each mode's energy usage. Notices 9 For further explanation of your warranty alternatives and the nearest Lexmark authorized servicer in your area, please contact Lexmark at 1-859-232-3000, or on the World Wide Web at <http://support.lexmark.com>. Remote technical support is provided for this product throughout its warranty period. Lexmark offers a variety of extended warranty programs that include an extension of technical support. For products no longer covered by a Lexmark warranty, technical support may only be available for a fee. Additional rights Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

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Notices 10 1 Printer overview 150-sheet output bin Paper support Front cover Operator panel Manual feeder 250-sheet tray Optional 550-sheet drawer Rear paper exit Power button Dust cover (some models) Printer overview 11 The operator panel has 5 lights and 2 buttons. @@twice quickly to display a secondary error code. to cancel the job currently printing. until all of the lights come on to reset the printer. Printer overview 12 2 Section Print media tasks and tips Page 14 15 16 18 19 20 24 25 26 What types of print media can be loaded? Where can print media be loaded in the printer? Tips on choosing the right print media Tips on storing print media and supplies Tips on preventing jams How to load the 250-sheet and 550-sheet trays How to load the manual feeder How to use the rear exit How to clear paper jams Print media tasks and tips 13 What types of print media can be loaded? Get the most out of your printer by properly loading the trays.

Never mix media types within a tray. Source Tray 1 (250-sheet tray) Tray 2 (550-sheet tray) Manual feeder Sizes A4, A5, JIS B5, letter, legal, executive, folio, statement, Universal A4, A5, JIS B5, letter, legal, executive, folio, statement, Universal A4, A5, JIS B5, letter, legal, executive, folio, statement, Universal Types Plain paper, transparencies, labels Plain paper, transparencies, labels Plain paper, transparencies, labels Card stock Weight 6090 g/m2 (1624 lb) 60-163 g/m2 (1643 lb) 60163 g/m2 (1643 lb) · 120163 g/m2 (1690 lb) Index Bristol · 75163 g/m2 (50100 lb) Tag 7¼, 9, 10, DL, C5, B5 Capacity* (sheets) · 250 paper · 50 labels · 50 transparencies · 550 paper · 50 labels · 50 transparencies 1 Envelopes 90 g/m2 (24 lb) * Capacity for 20 lb print media, unless otherwise noted. Grain short is recommended. Use rear exit for best results. Universal size ranges: Tray 1: 89216 x 210356 mm (3.58.5 x 8.2714.0 in.) Tray 2: 148216 x 210356 mm (5.

838.5 x 8.2714.0 in.) Manual feeder: 76216 x 127356 mm (3.08.5 x 5.014.0 in.) (includes 3 x 5 in.

cards) Print media tasks and tips 14 Where can print media be loaded in the printer? Your printer has two standard paper sources: an automatic 250-sheet paper feeder (Tray 1) and a single-sheet manual feeder. Use Tray 1 for most print jobs. Use the manual feeder for a single piece of paper, transparency, envelope, paper label, card stock, or index card. You can increase paper capacity by purchasing an optional 550-sheet drawer. An output bin on top of the printer holds up to 150 sheets.

The single-sheet rear exit provides a straight-through paper path to help reduce curling and potential jams. This is especially useful for specialty media, such as transparencies, envelopes, paper labels, card stock, or index cards. 150-sheet output bin Front paper support Front cover Operator panel Manual feeder 250-sheet tray Optional 550-sheet drawer Rear paper exit Print media tasks and tips 15 Tips on choosing the right print media Selecting the right paper or other media reduces printing problems. For best print quality, try a sample of the paper or other media you are considering before buying large quantities.

Refer to the Card Stock & Label Guide available on our Lexmark Web site at www.lexmark.com

for more information about which paper provides optimum results for your printing environment. Paper · For the best print quality, use 20 lb (75 g/m2) xerographic, grain long paper. The printer can automatically feed paper weights from 60 to 90 g/m2 (16 to 24 lb bond) grain long. Paper lighter than 60 g/m2 (16 lb) might not be stiff enough to feed properly, causing jams. Paper heavier than 90 g/m2 (24 lb) should be fed through the optional 550-sheet tray or the manual feeder. · The laser printing process heats paper to high temperatures of 170°C (338°F) for non-MICR applications. Use only paper able to withstand these temperatures without discoloring, bleeding, or releasing hazardous emissions. Check with the manufacturer or vendor to determine whether the paper you have chosen is acceptable for laser printers. Preprinted forms and letterhead · · · Use only forms and letterhead printed using an offset lithographic or engraved printing process.

Choose papers that absorb ink, but do not bleed. Avoid papers with rough or heavily textured surfaces. Use papers printed with heat-resistant inks designed for use in xerographic copiers. The ink must withstand temperatures of 170°C (338°F) without melting or releasing hazardous emissions. Use inks that are not affected by the resin in toner. Inks that are oxidation-set or oil-based should meet these requirements; latex inks might not. If you are in doubt, contact your paper supplier. Preprinted papers such as letterhead must be able to withstand temperatures up to 170°C (338°F) without melting or releasing hazardous emissions. Transparencies · Use transparencies designed specifically for laser printers. Transparencies must be able to withstand temperatures of 170°C (338°F) without melting, discoloring, offsetting, or releasing hazardous emissions.

We recommend Lexmark laser printer transparencies: part number 70X7240 for letter size transparencies; part number 12A5010 for A4 size transparencies. · To prevent print quality problems, avoid getting fingerprints on the transparencies. Print media tasks and tips 16 Envelopes · · Use envelopes made from 24 lb (90 g/m2) bond paper. Do not use envelopes that: · Have excessive curl Are stuck together Are damaged in any way Contain windows, holes, perforations, cutouts, or embossments Use metal clasps, string ties, or metal folding bars Have postage stamps attached Have any exposed adhesive when the flap is in the sealed position Use envelopes that can withstand temperatures of 170°C (338°F) without: · sealing excessive curling wrinkling releasing hazardous emissions If you have any doubts about the envelopes you are considering using, check with the envelope supplier.



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· A combination of high humidity (over 60%) and the high printing temperatures may seal the envelopes.

Labels · · · Do not use labels that have exposed adhesive on the sheets. Do not print a large number of labels continuously. Do not use vinyl labels. Use labels that can withstand temperatures of 170°C (338°F) without sealing, excessive curling, wrinkling, or releasing hazardous emissions. Label adhesives, face sheet (printable stock), and topcoats must also be able to withstand 25 pounds per square inch (psi) (172 kilopascals) pressure.

Print media tasks and tips 17 Card stock · · · Preprinting, perforation, and creasing can significantly affect the print quality and cause media handling or jamming problems. Avoid using card stock that may release hazardous emissions when heated. Do not use preprinted card stock manufactured with chemicals that may contaminate the printer. Preprinting introduces semi-liquid and volatile components into the printer. Use card stock with a maximum weight of 163 g/m² and a minimum size of 76 x 127 mm (3 x 5 in.). **Tips on storing print media and supplies Storing paper** Use the following guidelines to avoid paper feeding problems and uneven print quality. · · · Store paper in an environment where the temperature is approximately 21°C (70°F) and the relative humidity is 40%. Store cartons of paper on a pallet or shelf rather than directly on the floor. If you store individual packages of paper out of the original carton, make sure they rest on a flat surface so the edges do not buckle, curl, or become damaged.

Do not place anything on top of paper packages. Storing supplies Choose a cool, clean storage area for your printer supplies. Store supplies right side up in their original packaging until you are ready to use them. Do not expose supplies to: · · · · Direct sunlight Temperatures above 35°C (95°F) High humidity (above 80%) Salty air Corrosive gases Heavy dust **Print media tasks and tips 18 Tips on preventing jams** You can avoid most paper jams by correctly loading paper and specialty media in the printer. The following hints can help you avoid paper jams: · · · Do not load wrinkled, creased, or damp paper. Never mix media types within a tray. Flex, fan, and straighten paper before you load it. · · · · Do not exceed the maximum stack height. Push all trays firmly into the printer after loading them. Make sure the guides in the trays are positioned snug against the paper or specialty media.

Do not remove paper trays while a job is printing. Wait for a Load Paper (see "Load media" on page 61) before you remove the tray. **light sequence** Before loading transparencies, fan the stack to prevent sheets from sticking together. Do not use envelopes that: Have excessive curl Are stuck together Are damaged in any way Contain windows, holes, perforations, cutouts, or embossments Have metal clasps, string ties, or metal folding bars Have postage stamps attached Have any exposed adhesive when the flap is in the sealed position · Use only recommended paper. Refer to the Card Stock & Label Guide available on our Lexmark Web site at www.lexmark.com.

www.lexmark.com for more information about which paper provides optimum results for your printing environment. If you need detailed information before purchasing large quantities of customized paper, refer to the Card Stock & Label Guide. · **Print media tasks and tips 19 How to load the 250-sheet and 550-sheet trays** Follow these instructions to load paper in the 250-sheet tray and 550-sheet tray. 1 Remove the tray.

Note: If you are going to load legal or folio size paper, you have to extend the length of the paper tray. See "Extending the tray for legal or folio size paper" on page 23 for instructions. 2 Prepare a stack of paper for loading by flexing or fanning it back and forth. Straighten the edges on a level surface. **Print media tasks and tips 20 3 Load the paper in the tray with the print side facing down. Note:** Load letterhead paper with the design side facing down. The top edge of the sheet with the logo should be placed at the front of the tray. Make sure the paper is below the max fill line on the side guides. Overloading may cause jams. 4 Slide the two side guides and the back guide until they fit snugly against the stack of paper.

Print media tasks and tips 21 5 Insert the tray. 6 Extend the paper support on the output bin. Print media tasks and tips 22 Extending the tray for legal or folio size paper To load legal or folio size paper, you need to extend the paper tray. You should also attach the dust cover on the back of the printer to protect the tray while it is extended. 1 Press down on the latch at the back of the tray. 2 Expand the tray until the extender locks into place. Attaching the dust cover The dust cover helps protect the paper tray from the environment as well as keep the tray from being knocked out of position while it is extended. **Note:** Not all models come with a dust cover. Attach the dust cover to the back of the printer by aligning the tabs on the cover to the holes on the printer and snap the cover in place. **Print media tasks and tips 23 How to load the manual feeder** The manual feeder is located at the front of your printer and can only feed one sheet of print media at a time.

You can use the manual feeder to make quick runs of paper types or sizes that are not currently loaded in the paper tray. For information on acceptable print media to use in the manual feeder, see "What types of print media can be loaded?" on page 14. Using only the specified print media helps prevent paper jams and print quality problems. **Note:** We recommend that you send your print job to the printer prior to loading the manual feeder. See "How to manually feed a print job" on page 30 for more information.

To load the manual feeder: 1 Place a sheet of the selected print media, print side facing up, at the center of the manual feeder, but only to the point where its leading edge can contact the paper guides. Otherwise, the printer will engage the print media too soon and likely skew the print job. 2 Adjust the paper guides to the print media's width. 3 Hold both sides of the print media close to the manual feeder and push it into the printer until it automatically engages. There is a brief pause between the time the printer engages the print media and when it feeds into the printer.

Warning: Do not force the print media into the feeder. Forcing the media causes jams. · · · Insert envelopes with the flap side down and with the stamp area as shown. Hold transparencies by the edges and avoid touching the print side.



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Oil from your fingers can affect print quality. Load letterhead face-up, with the top of the sheet first. If you experience problems with paper feed, turn the paper over. Print media tasks and tips 24 How to use the rear exit The single-sheet rear exit provides a straight-through paper path to help reduce curling and potential jams. This is especially useful for specialty media, such as transparencies, envelopes, labels, card stock, or index cards. To use the rear exit, simply open the rear exit door.

When the rear exit door is open, all print media comes out the rear exit. When closed, all media is sent to the output bin on top of the printer. Print media tasks and tips 25 How to clear paper jams When a paper jam occurs, the printer stops and the operator panel's Paper Jam and Continue lights come on. Press and release Continue twice quickly to display the specific secondary error paper jam light sequence. @@We recommend that you clear the entire paper path when a paper jam occurs. To clear a paper jam: 1 If you are feeding paper from a tray, remove the tray, and then remove any jams. Print media tasks and tips

26 2 Open the front cover and remove the print cartridge assembly. Warning: Do not leave the print cartridge assembly exposed to direct light for an extended period of time. Extended light exposure can cause print quality problems. 3 Remove any jams in the area behind the print cartridge assembly. Print media tasks and tips 27 4 Lift the flap at the front of the printer and remove any jams beneath the flap. 5 Open the rear exit and remove any jams. 6 After you have cleared the jams, reinstall the print cartridge assembly, make sure all printer covers and trays are closed, and then press Continue to resume printing. Note: The printer reprints the pages that caused the paper jam. Print media tasks and tips 28 3 Section Printing tasks Page 30 32 34 35 36 37 37 39 How to manually feed a print job How to print on both sides of the paper (manual duplex) How to print multiple page images on one page (N-up printing) How to print a booklet How to print a poster How to print on letterhead How to print using an overlay or a watermark How to cancel a print job Printing tasks 29 How to manually feed a print job The manual feeder is located at the front of your printer and can only feed one sheet of print media at a time. For information on acceptable print media to use in the manual feeder, see "What types of print media can be loaded?" on page 14. When using the manual feeder, send the print job to the printer before loading the print media. When the printer is ready, it will display the Load Manual Feeder light sequence, at which point you should load the media. To manually feed a print job: 1 From the computer's software application, select File printer driver settings. Print. 2 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 3 Click the Paper tab. 4 Select Manual paper from the Paper tray drop-down list. 5 Select the appropriate Paper size and type. 6 Click OK. 7 Click OK on the Print window to send the job to print. The printer displays the Load Manual Feeder light sequence. Printing tasks 30 8 Place a sheet of the selected print media, print side facing up, at the center of the manual feeder, but only to the point where its leading edge can contact the paper guides. . . . Hold transparencies by the edges and avoid touching the print side. Oil from your fingers can affect print quality. Insert envelopes with the flap side face down and with the stamp area as shown.

Load letterhead face up, with the top of the sheet first. If you experience problems with paper feed, turn the paper over. 9 Adjust the paper guides to the print media's width. 10 Hold both sides of the print media close to the manual feeder and push it into the printer until it automatically engages. There is a brief pause between the time the printer engages the print media and when it feeds into the printer. Warning: Do not force the print media into the feeder. Forcing the media causes jams. Printing tasks 31 How to print on both sides of the paper (manual duplex) Printing on both sides of the paper reduces printing costs. Although you can use Tray 1 or the 550-sheet tray to print the first side of the duplex job, only use Tray 1 to print the second side. You can choose how you want your job duplexed: Long Edge or Short Edge.

· Long Edge means pages are bound along the long edge of the page (left edge for portrait, top edge for landscape). Landscape Portrait Back of sheet Back of sheet Front of next sheet Front of next sheet · Short Edge means pages are bound along the short edge of the page. Portrait Back of sheet Landscape Front of sheet Back of sheet Front of sheet To manually duplex a print job: 1 From the computer's software application, select File printer driver settings. Print. 2 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 3 From the Page Layout tab, select 2-sided printing. Printing tasks 32 4 Select either Long Edge or Short Edge. 5 Select Manual 2-sided printing. 6 Click the Paper tab. 7 Select the appropriate Input options for your print job. 8 Click OK.

9 Click OK on the Print window. The printer prints every other page of the document first. Once the first side of your job prints, the Load Paper light comes on and the Continue light blinks. 10 Load the paper back into the printer with the already-printed side up and the top of the page toward the front of the tray. Printing tasks 33 How to print multiple page images on one page (N-up printing) The Multipage Printing (N-up) setting is used to print multiple page images on a single page. For example, 2-Up means two page images are printed on one page, 4-up means four page images are printed on one page, and so on. The printer uses the Multipage Order, Multipage View, and Multipage Border settings to determine the order and orientation of the page images, and whether a border is printed around each page image. 1 From the computer's software application, select File printer driver settings. Print. 2 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 3 From the Page Layout tab, select the number of images per sheet (from the Multipage printing section) and the orientation you would like the paper to have.

The positioning depends on the number of images and whether the images are portrait or landscape in orientation. For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select: Across Down 1 2 1 3 3 4 2 4 4 To print a visible border around each page image, select Print page borders. 5 Click OK. 6 Click OK on the Print window to send the job to print.



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Printing tasks 34 How to print a booklet The Booklet setting lets you print multiple pages in booklet form without having to re-format your document so the pages print in the proper order. The pages print so that the finished collated document may be folded along the center of each page to form a booklet. 4 2 5 7 If the document contains many pages, a booklet may have too many pages to fold easily. If you are printing a fairly large booklet, you might want to use the Sheets per Bundle option to specify how many physical pages are put into one bundle. The printer will print the necessary number of bundles, which you can then bind into one booklet. Printing in bundles helps the outside edge of the pages line up more evenly.

You must specify whether or not you want to print using any Duplex printing options before you select to print using the booklet function. Once you choose Print Using Booklet, the controls for the Duplex options are dimmed and remain at the last setting used. 1 From the computer's software application, select File printer driver settings. Print. 2 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 3 From the Page Layout tab, click More Page Layout Options.

4 Click Booklet. If your print job is large, you may want to use the Sheets per Bundle option. 5 Select the appropriate binding edge for your print job. 6 To print a visible fold mark on the pages, select Print fold mark. 7 Click OK twice.

8 Click OK on the Print window to send the job to print. *Printing tasks 35 How to print a poster* The Poster setting lets you print a single image across several pages. Once printed, you can combine the pages to create one large image. 1 From the computer's software application, select File printer driver settings. Print. 2 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 3 From the Page Layout tab, click More Page Layout Options. 4 Click Poster. 5 Select the poster size you want by choosing the number of pages to use in the poster. 6 To print crop marks on the pages, select Print crop marks. 7 Select the amount of overlap you want each page to have.

8 Click OK twice. 9 Click OK on the Print window to send the job to print. *Printing tasks 36 How to print on letterhead* To print on letterhead, make sure the paper is loaded with the proper orientation. 1 Make sure the letterhead is properly loaded according to the paper source you are using: · · Tray 1 or 2--Load the letterhead paper with the design side facing down. The top edge of the sheet with the logo should be placed at the front of the tray. Manual feeder--Load the letterhead paper face-up, with the top of the sheet first. Note: If you are using the manual feeder, first send the job to print, then load the letterhead when the printer displays the Load Manual Feeder light sequence (see "How to manually feed a print job" on page 30). 2 From the computer's software application, select File printer driver settings. Print. 3 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 4 Click the Paper tab. 5 Select Letterhead from the Paper type drop-down lists. 6 Select the appropriate paper size and tray. 7 Click OK. 8 Click OK on the Print window to send the job to print. *How to print using an overlay or a watermark* Overlays and watermarks are templates that can be defined and then printed as a background on a form before the data from the current job is printed.

Typical examples of overlays include company logos or letterheads, decorative borders, and simulated "preprinted" forms. Overlays can include text, graphics, or images. Watermarks are simple text. You can create overlays and watermarks and then download them directly to the printer, or you can create an overlay or watermark file on your system and then download it to the printer. Note: To create and download overlays, you must have flash memory installed.

For information about how to create, save, or download an overlay or watermark, refer to the printer driver Help. *Printing tasks 37 Using an overlay* 1 From the computer's software application, select File printer driver settings. Print. 2 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 3 Click the Other Options tab. 4 Click Overlays. 5 Select which pages receive the overlay. 6 Select the overlay to use. 7 Select whether to place the overlay on top of or underneath the page image in the Overlay placement area. 8 Click OK. *Using a watermark* 1 From the computer's software application, select File printer driver settings.

Print. 2 Click Properties (or Options, Printer, or Setup, depending on the application) to view the 3 Click the Other Options tab. 4 Click Watermark. 5 Select which pages receive the watermark. 6 Select the watermark to use. 7 Select whether to place the watermark on top of or underneath the page image in the Watermark placement area. 8 Click OK. *Printing tasks 38 How to cancel a print job* A print job can be canceled from the operator panel or from your computer. The Cancel job light sequence is displayed on the operator panel while the job is being cancelled. From the printer operator panel Press and release Cancel to cancel the job currently printing.

From a Windows computer 1 Click Start Settings Printers. 2 Double-click the printer you are using to print the job. A list of print jobs appears. 3 Right-click the document you want to stop printing, and then click Cancel. From a Macintosh computer When you send a job to print, the printer icon appears on the desktop.

1 Double-click the printer icon on your desktop. A list of print jobs appears. 2 Press Control and click the print job you want to cancel. Choose Stop Queue from the pop-up menu. *Printing tasks 39 4 Section How to install options* Page 41 45 46 48 49 *How to access the system board* How to add a memory card How to add a flash card How to install a 550-sheet drawer How to get the printer driver to recognize installed options How to install options 40 How to access the system board To install a memory or flash card you must access the printer system board.

CAUTION: Turn the printer off and unplug the power cord before continuing. 1 Open the front cover by pressing the button on the left side of the printer and lowering the cover. *How to install options 41* 2 Open the rear exit. 3 Open the side cover by pressing the two detents on the front right side of the machine and swinging the cover back. *How to install options 42* 4 Remove the two screws at the top and side of the metal plate covering the system board. 5 Remove the metal plate by rotating it towards the front and to the right. *How to install options 43* How to reattach the system board cover When you are finished adding a memory or flash card, be sure to properly reattach the system board's metal cover.



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1 Insert the two tabs on the right side of the metal plate into the holes toward the back of the system board and rotate the system board until it is flush against the printer. 2 Screw in the two screws at the top and side of the metal plate. 3 Close the side cover.

4 Close the rear exit. 5 Close the front cover. How to install options 44 How to add a memory card The system board has one connector for an optional memory card. The printer can support up to 64MB of additional memory (for a total of 80MB) for the Lexmark E232 and up to 128MB (for a total of 160MB) for the Lexmark E330 and Lexmark E332n. The Lexmark E230 does not support additional memory. CAUTION: If you are installing a memory card after setting up the printer, turn the printer off and unplug the power cord before continuing. Note: Memory options designed for other Lexmark printers may not work with your printer. 1 Access the system board (see How to access the system board). 2 Push open the latches on both ends of the memory connector. 3

Unpack the memory card.

Warning: Memory and flash memory cards are easily damaged by static electricity. Touch something metal, such as the printer frame, before you touch a memory card. Avoid touching the connection points along the edge of the card. 4 Align the notches on the bottom of the card with the notches on the connector. 5 Push the memory card firmly into the connector until the latches on either end of the connector snap into place.

It may require some force to fully seat the card. 6 Make sure each latch fits over the notch on each end of the card. 7 Reattach the system board cover (see How to reattach the system board cover). 8 See How to get the printer driver to recognize installed options. How to install options 45 How to add a flash card The system board has one connector for an optional flash card.

The printer can support 16MB and 32MB flash cards. Note: The Lexmark E230 and Lexmark E232 do not support flash cards. CAUTION: If you are installing a flash card after setting up the printer, turn the printer off and unplug the power cord before continuing. Note: Flash cards designed for other Lexmark printers may not work with your printer. 1 Access the system board (see How to access the system board). 2 Unpack the flash card. Warning: Flash cards are easily damaged by static electricity. Touch something metal, such as the printer frame, before you touch a card. Avoid touching the metal pins on the bottom of the card. Metal pins 3 Holding the card by its sides, align the pins on the card with the holes on the system board.

How to install options 46 4 Push the flash card firmly into place. The entire length of the connector on the flash card must touch and be flush against the system board. Be careful not to damage the connectors. 5 Reattach the system board cover (see How to reattach the system board cover). @@Note: The Lexmark E230 does not support a 550-sheet drawer. @@2 Place the drawer in the location you have chosen for your printer. @@If it does not, you can add it manually. @@3 Click File Properties. 4 Click the Install Options tab. @@@@twice quickly to display a secondary error code. to cancel the job currently printing. @@@@The following tables show the most common light sequences. Click the indicated page for more information on what it means. @@lights are both on, a paper jam secondary error When the Paper Jam has occurred. and Continue Press and release Continue twice quickly to display the secondary error code light sequence.

The following table shows what these light sequences mean and where to go for help. Using the operator panel 54 Secondary Error codes = On = Blinking Empty = Off Insufficient printer memory Paper jam codes Paper jams as a printed job exits the printer Paper jams as it exits the tray into the printer Insufficient collation area Paper jam in Tray 1 Paper jam in Tray 2 Printer condition Paper jam at the input sensor * Paper jam in the manual feeder Page: 70 70 71 71 72 72 73 73 74 75 Continue Ready Toner Low / Replace PC Kit Load Paper Paper Jam Error * Paper jams at the input sensor can be either after the paper leaves the tray and enters the printer or in the manual feeder. Using the operator panel 55 Defective flash 75 Complex page Font error Printer condition Page: Continue Ready Secondary Error codes (continued) Toner Low / Replace PC Kit Load Paper Paper Jam Error = On Insufficient defrag memory 76 76 77 77 78 Memory full Short paper 79 Network interface errors Error communicating with the host computer Host interface disabled = Blinking Using the operator panel 56 80 81 81 82 Flash full Empty = Off Unformatted flash Invalid engine code Invalid network code Operator panel codes Below are explanations of what the primary light sequences, or codes, and secondary error codes mean and what you can do to clear them. Primary codes Ready / Power Saver Light sequence: · Ready--On What this light sequence means: · The printer is ready to receive and process data. The printer is in Power Saver mode.

What you can do: · · Send a print job. Press Continue to print the menu settings pages for a list of current printer settings. @@@@The printer is formatting the flash memory. @@@@The Busy message is displayed as the pages print. The Ready light is on when printing stops. @@@@After resolving the problem, turn off the printer to exit Hex Trace. @@@@to cancel the print job. @@@@to cancel the print job. @@@@What you can do: · · Load media into tray 1 or the optional 550-sheet tray and press Continue to resume printing. Check that the media is loaded correctly in tray 1 or the optional 550-sheet tray.

Press Cancel to cancel the print job. Using the operator panel 61 Load manual feeder Light sequence: · · Continue--On Load Paper--Blink What this light sequence means: The printer prompts you to load a single sheet of media in the manual feed. What you can do: · · Load media, with the side to be printed facing the front of the printer, into the manual feed. Press Continue to resume printing. to reset the printer. Press and hold Cancel Print side two of a duplex job Light sequence: · · Continue--Blink Load Paper--On What this light sequence means: Print the other side of your duplex print job. What you can do: · Reinsert your print job in tray 1 using the instructions in the driver pop-up menu to orient the pages correctly. Press Continue · to resume printing. to reset the printer. Press and hold Cancel Using the operator panel 62 Invalid engine code / Invalid network code Light sequence: · · Ready--On Error--On What this light sequence means: The code in an internal print server has not been programmed, or the programmed code is not valid.



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What you can do: Download valid network code to the internal print server. Press Continue twice quickly to see the secondary error code. Toner low Light sequence: · Toner Low/Replace PC Kit--On What this light sequence means: The printer is ready to receive and process data. In addition, the toner in the toner cartridge is getting low. What you can do: · · · · Press Continue to print the menu settings page for a list of current printer settings. Remove the toner cartridge and shake it to extend the life of the cartridge. Replace the toner cartridge. (See "How to change a toner cartridge" on page 108 for help.) Press and hold Cancel to reset the printer. Note: This light may not come on if the starter toner cartridge is installed in a base printer model. Using the operator panel 63 Photoconductor kit near full Light sequence: · · Continue--On Toner Low/Replace PC Kit--Blink What this light sequence means: The photoconductor kit's drum is almost full and will need replacing soon. Note: The Toner Alarm (see page 103) must be turned on for this message to appear. What you can do: · · Press Continue to resume printing. Replace the photoconductor kit. See "How to change a photoconductor kit" on page 112 for more information. Replace photoconductor kit Light sequence: · Toner Low/Replace PC Kit--Blink What this light sequence means: The photoconductor kit's drum is full and needs replacing. What you can do: · · Press Continue to resume printing. Replace the photoconductor kit. See "How to change a photoconductor kit" on page 112 for more information. Using the operator panel 64 Replace photoconductor kit (printer hard stop) Light sequence: · · · Continue--On Toner Low/Replace PC Kit--Blink Error--Blink What this light sequence means: The photoconductor kit's drum is full and needs replacing. The printer will not print any more pages until the photoconductor kit is replaced. What you can do: Replace the photoconductor kit. (See "How to change a photoconductor kit" on page 112 for help.) Unsupported toner cartridge / Toner cartridge is not installed Light sequence: · · Toner Low/Replace PC Kit--On Error--On What this light sequence means: The toner cartridge is not installed, or the printer detects a toner cartridge error. What you can do: · · If the toner cartridge is not installed, install it. @@@@What you can do: Wait for the message to clear. @@The printer is resetting to the user default settings. Any active print jobs are canceled. @@What you can do: Turn the printer off and back on. @@@@Resolution of a formatted page is reduced to 300 dpi. A font error occurred. @@@@ @@@@ Press Continue to resume printing once all the jammed pages are cleared from the paper path. · Using the operator panel 68 Secondary error codes · · When the Error and Continue lights are both on, a secondary error has occurred. lights are both on, a paper jam secondary error When the Paper Jam has occurred. and Continue Press and release Continue twice quickly to display the secondary error code light sequence. Using the operator panel 69 Paper jam at the input sensor Light sequence: · · · Continue--On Ready--On Paper Jam--On What this light sequence means: A paper jam has occurred at the input sensor, which can be either after the paper leaves the tray and enters the printer or in the manual feeder. What you can do: Clear the paper jam. See "How to clear paper jams" on page 26 for more information. Paper jam in the manual feeder Light sequence: · · · Continue--On Ready--Blink Paper Jam--On What this light sequence means: A paper jam has occurred in the manual feeder. What you can do: Clear the paper jam. See "How to clear paper jams" on page 26 for more information. Using the operator panel 70 Paper jams as it exits the tray into the printer Light sequence: · · · Continue--On Toner Low/Replace PC Kit--On Paper Jam--On What this light sequence means: A paper jam has occurred as the paper is exiting the paper tray and entering the printer. What you can do: Clear the paper jam. See "How to clear paper jams" on page 26 for more information. Paper jams as a printed job exits the printer Light sequence: · · · Continue--On Load Paper--On Paper Jam--On What this light sequence means: A paper jam has occurred as the paper is exiting the printer. What you can do: Clear the paper jam. See "How to clear paper jams" on page 26 for more information. Using the operator panel 71 Paper jam in Tray 1 Light sequence: · · · · Continue--On Toner Low/Replace PC Kit--On Load Paper--On Paper Jam--On What this light sequence means: A paper jam has occurred in Tray 1. What you can do: Clear the paper jam. See "How to clear paper jams" on page 26 for more information. Paper jam in Tray 2 Light sequence: · · · · Continue--On Ready--On Load Paper--On Paper Jam--On What this light sequence means: A paper jam has occurred in Tray 2. What you can do: Clear the paper jam. See "How to clear paper jams" on page 26 for more information. Using the operator panel 72 Complex page Light sequence: · · · Continue--On Ready--On Error--On What this light sequence means: The page may not print correctly because the print information on the page is too complex (that is, too large for the printer's memory). What you can do: · · Press Continue to clear the message and continue processing the print job (some of the print data may be lost). To avoid this error in the future: Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros. Set Page Protect to On in the Local Printer Setup Utility. Install additional printer memory (see "How to add a memory card" on page 45). Insufficient printer memory Light sequence: · · · Continue--On Ready--Blink Error--On What this light sequence means: The printer does not have enough memory to save the data in the buffer. What you can do: · · Install additional memory (see "How to add a memory card" on page 45). Press Continue Press Cancel to continue printing the job. to cancel the print job. Using the operator panel 73 Insufficient collation area Light sequence: · · · Continue--On Toner Low/Replace PC Kit--On Error--On What this light sequence means: The printer memory does not have the free space necessary to collate the print job. This may happen due to one of these errors: · · · · Memory is full.



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A page is too complex to print.

A page is shorter than the set page margins. Memory is insufficient to save what is in the buffer. What you can do: . . . Press Continue to clear the message and continue printing the job (the job may not print correctly.) Press and release Cancel to cancel the print job. Press and hold Cancel to reset the printer.

To avoid this error in the future: Simplify the print job. Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros. Install additional printer memory (see "How to add a memory card" on page 45). Using the operator panel 74 Font error Light sequence: . . . Continue--On Toner Low/Replace PC Kit--Blink Error--On What this light sequence means: The printer has received a request for a PPDS font which is not installed. What you can do: . . . Press and release Cancel Press and hold Cancel Press Continue printing. to cancel the print job. to reset the printer. to clear the message and continue Defective flash Light sequence: . . . Continue--On Load Paper--On Error--On What this light sequence means: The printer detects defective flash memory. What you can do: . Press Continue to clear the message and continue printing. Downloaded fonts and macros not previously stored in flash memory are deleted.

See "How to add a memory card" on page 45 to install flash memory. . Using the operator panel 75 Insufficient defrag memory Light sequence: . . . Continue--On Load Paper--Blink Error--On What this light sequence means: The printer has insufficient memory to free unused space in flash memory. What you can do: . . Delete fonts, macros, and other data in RAM. Install additional printer memory. Network interface errors Light sequence: . . . Continue--On Paper Jam--On Error--On What this light sequence means: The printer cannot establish communication with the network. What you can do: Press Continue to clear the message and continue printing. (The job may not print correctly.) Using the operator panel 76 Error communicating with the host computer Light sequence: . . . Continue--On Paper Jam--Blink Error--On What this light sequence means: The printer has lost the connection to an external print server (also called an external network adapter or ENA). This light sequence is displayed if your printer is connected to the network, but it cannot detect the print server when you turn on the printer. What you can do: . Make sure the cable connecting the ENA and the printer is securely attached.

Turn the printer off and then on to reset the printer. Press and hold Cancel to reset the printer. . Host interface disabled Light sequence: . . . Continue--On Load Paper--Blink Paper Jam--Blink Error--On What this light sequence means: The printer USB or parallel port has been disabled. What you can do: . Press Continue to clear the message. The printer discards any print jobs previously sent.

Enable the USB or parallel port by selecting a value other than Disabled for the USB Buffer or Parallel Buffer item in the Local Printer Setup Utility (see Using the Local Printer Setup Utility). Using the operator panel 77 Memory full Light sequence: . . . Continue--On Ready--On Toner Low/Replace PC Kit--On Error--On What this light sequence means: The printer is processing data, but the memory used to store pages is full. What you can do: . . . Press Continue to clear the message and continue printing the job (the job may not print correctly). Press and release Cancel to cancel the print job. Press and hold Cancel to reset the printer.

To avoid this error in the future: Simplify the print job. Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros. Install additional printer memory (see "How to add a memory card" on page 45). Using the operator panel 78 Short paper Light sequence: . . . Continue--On Ready--On Load Paper--On Error--On What this light sequence means: The paper length is too short to print the formatted data. This occurs when the printer does not know the media size loaded in the tray, or there is a problem feeding the media. What you can do: . . Make sure the print media you loaded is large enough. Open the front cover, clear the paper path and close the cover to resume printing (see "How to clear paper jams" on page 26). Press Continue printing the job. Press Cancel to clear the message and continue to cancel the print job. . . Using the operator panel 79 Flash full Light sequence: . . . Continue--On Ready--On Paper Jam--On Error--On What this light sequence means: There is not enough free space in the flash memory to store the data you are trying to download.

What you can do: . . Delete fonts, macros, and other data stored on the flash memory to free up space. Press Continue to clear the message and continue printing. Downloaded fonts and macros not previously stored in flash memory are deleted. Install flash memory with more storage capacity. See "How to add a memory card" on page 45 for instructions on how to install flash memory. @@to reset the printer. . . . Using the operator panel 80 Unformatted flash Light sequence: . . . Continue--On Toner Low/Replace PC Kit--On Paper Jam--On Error--On What this light sequence means: The printer detects unformatted flash memory. What you can do: . . Press Continue to clear the message and continue printing. The job may not print correctly. Reformat the flash memory. Refer to the Technical Reference on Lexmark's Web site for more information about reformatting flash. If the error message remains, the flash memory may be defective and should be replaced. . Invalid engine code Light sequence: . . . Ready--On Load Paper--On Error--On What this light sequence means: The code in an internal print server has not been programmed, or the programmed code is not valid. What you can do: Download valid engine code to the internal print server. Using the operator panel 81 Invalid network code Light sequence: . . . Ready--On Load Paper--Blink Error--On What this light sequence means:

The code in an internal print server has not been programmed, or the programmed code is not valid.

What you can do: Download valid network code to the internal print server. Using the operator panel 82 6 Understanding the printer configuration menus Section Printing the Printer Settings Configuration sheet Configuration menus overview . Network menu . Parallel menu . Setup menu . USB menu . Utilities menu Page 83 84 85 86 86 87 87 Printing the Printer Settings Configuration sheet To help resolve printing problems or to change printer configuration settings, advanced users can print the Printer Settings Configuration sheet for instructions on advancing through the configuration menus to select and save new settings.



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