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Compatible Fonts and Typefaces

Fonts installed through the Font Installer must be in one of the following forms:

* **Bitmapped printer (soft) fonts** -- disk-based

    Disk-based (soft) <u>bitmapped</u> printer fonts must be in PPDS format.   These fonts must have two files.   One file must have a .DLF extension and one must have a .FMF extension.

* **Type 1 fonts** -- disk-based

    Disk-based (soft) <u>Type 1</u> printer fonts must be in Adobe Type 1 format.   These fonts must have one of two groups of files.   Either a set of files which include one with an extension of .INF, one with an extension of .AFM, and one with an extension of .PFB. or a set of files which include one with an extension of .PFM and one with an extension of .PFB.

<u>Ordering Additional Fonts and Typefaces</u>

Cartridge or optional fonts

Under Cartridge or optional fonts select if the 23 Font Option is installed and should be used   with the <u>printer driver</u>.   Be sure to select the option **before** you format your documents.

You will not need to use the **Fonts** button or the Font Installer.

<u>Ordering Options</u>
<u>Font Installer</u>

Copies

The **Copies** selection tells Windows how many <u>uncollated</u> copies you want to print from a software application. This setting is independent of the "copies selection" that may be available within the print menus of your software application.

Do not use the two selections simultaneously.

As a general rule: Set the number of copies in the <u>printer driver</u> window when you want to print uncollated copies.   When you want sets of <u>collated</u> copies, select the number of copies from within your software application.

You should experiment to determine which selection works best for the jobs you print.

Fonts Button

By clicking on the **Fonts** button you can access the **Font Installer** where you can install new printer fonts. Step-by-step procedures for installing fonts can be found in the Font Installer help screens.

You can install any PPDS or Type 1 compatible printer fonts with the Font Installer.

Ordering Scalable Fonts

Compatible Fonts

Graphics Resolution

The Graphics Resolution setting in the printer setup dialog box affects the resolution of graphic images.

Graphics resolution is measured in **dots per inch** (dpi). Choosing the highest dpi will produce finer, higher-quality output.   The output quality decreases as the resolution decreases. However, on most printers, higher resolution output will take longer to print.

If the printer does not print the entire graphic image on one page and displays a **Memory Full** message, then most likely you either need to install more memory in your printer or choose a lower graphics resolution setting.

Ordering Memory

Orientation

Print orientation can be Portrait or Landscape. Portrait orientation means the page is taller than it is wide when you view the printed text upright. Landscape orientation means the page is wider than it is tall when you view the printed text upright.

Paper Source

If you are unsure about which paper source is used in your printer, you can run a <u>Test Page</u> printout on your printer.

The IBM LP4037 5E Printer has up to two paper trays.   You can choose one of the following paper sources:

* Upper
* Lower
* Manual
* Man. Envelope

<u>Ordering Paper Trays</u>

Paper Size

If you are unsure about which paper size is used in your printer, you can run a Test Page printout on your printer.

The printer driver lets you select the following paper and envelope sizes.

Paper
Letter	8.5 x 11 inches
Legal	8.5 x 14 inches
B5	182 x 257 mm
A4	210 x 297 mm
Executive	7.25 x 10.5 inches
A5	148 x 210 mm

Envelopes
Envelope 7 3/4	3 7/8 x 7 1/2 inches
Envelope 9	3 7/8 x 8 7/8 inches
Envelope 10	4 1/8 x 9 1/2 inches
Envelope DL	110 x 220 mm
Envelope C5	162 x 229 mm
Envelope B5	176 x 250 mm

Patterns

The Patterns dialog box allows you to select the following:

Pattern Resolution

Contrast Control

For more information about any of these options, select the **Help** button from the **Patterns** menus.

Ordering Accessories for IBM LaserPrinter

To order additional printer memory, paper trays, and font products, check with your authorized Lexmark or IBM dealer.

To locate your nearest Lexmark dealer call:

USA   1-800-438-2468

Canada   1-800-663-7662

Other countries   Contact a Lexmark or IBM sales office

In the USA, to order a Lexmark Business Product Catalog, or to place an order, call Lexmark directly at: 1-800-438-2468

To print the printer's test page, using the front panel (starting from the **READY** screen):
    1) select **SETUP**,
    2) select **TEST PAGE**,
    3) select **YES.**

Fast Printing Direct to Port

Fast Printing Direct to Port allows faster data transfer to the printer.

Note: This option is only available when Windows is in Enhanced (386) mode.   You should uncheck the option if the port is redirected to a LAN.

TrueType Fonts As Graphics

If your document contains a lot of graphics but not a lot of repeated TrueType text, it is recommended that you use this feature. If your document does not contain a lot of different TrueType fonts, printing them as graphics requires less printer memory and may speed up printing time.

This option is also useful if you want to print graphics over text such that only the exposed portion of a character is displayed.

To print TrueType fonts as graphics

1 In the printer setup dialog box, select the TrueType Fonts As Graphics check box
2 Specify any other options you want.
3 Choose the OK button.

Use Printer Patterns

When "Use Printer Patterns" is selected the printer driver can use the printer's built in gray scale patterns. This is usually faster than having the printer driver send the patterns to the printer as graphic images. Using the printer's built in patterns does reduce the selection of gray scale patterns available to the printer driver.   Also, with some applications, white text on black or gray backgrounds may be missing when Use Printer Patterns is selected.

Disable Printer Fonts

When "Disable Printer Fonts" is selected the printer driver cannot use the printer's built in or downloaded fonts.   This results in having the printer driver send the fonts to the printer as graphic images which is usually slower.   Selecting Disable Printer Fonts allows for special affects such as white text on black or clipped text.   This should only be selected if matching TrueType fonts are added and the **TrueType Fonts As Graphics** option is selected.

Optimize for Performance

Selecting Optimize for Performance configures the printer driver to minimize the application/printer driver overhead.   In most cases, printing performance is increased.   However, with some applications, selecting Optimize for Performance can result in missing or incorrect overlay of text and/or graphics.

Optimize for memory usage

Selecting Optimize for memory usage configures the printer driver to minimize the amount of memory needed for graphics images.   However, this will result in slower printing.   Setting this option on may allow the printing of jobs that cause an out of memory error.

WYSIWYG is an acronym for "What You See Is What Your Get." The screen fonts that appear on your display match the fonts used in your printer.

The term **Type 1** describes products that can be reduced or enlarged (scaled) to virtually any point size that your Windows application will support.

Conversely, **bitmapped** fonts are limited to an exact point size.   A bitmapped font can not be reduced or enlarged (non-scalable).

A **driver** is a portion of software code that controls commands sent to a device such as a printer or screen.   Drivers work automatically so that you don't have to enter programming codes.   Drivers allow you to select fonts, set margins, number of copies, etc.

In multiple page jobs that are **uncollated,** several copies of page One are printed followed by several copies of page Two, followed by several copies of page Three, etc.

In multiple page jobs that are **collated,** a complete set of pages in a job are printed followed by another complete set of pages.   For example: One copy of Page 1, then Page 2, then Page 3; followed by another copy of Page 1, then Page 2, then Page 3.

Manual is often used for printing non-standard sizes of paper, envelopes, labels and transparencies. Also, when an occasional page of special paper, such as letter-head or color paper, is wanted without having to open and load a paper tray.

To receive font files for your IBM LaserPrinter Font Cards, contact your Lexmark dealer, point of purchase or your country Lexmark representative.