

## About overlays

An overlay is a template that can be defined and then printed as a background before the data from the current job is printed. Typical examples of overlays include company logos or letterheads, decorative borders, or simulated "preprinted" forms. Overlays can include text, graphics, or images.

You can create the overlay and download it directly to the printer, or you can create an overlay file on your system and then download it to the printer. You may want to save a copy of the overlay file on your system if you intend to send a copy to someone or if you want to store the same overlay on multiple printers. It is also a good idea to save the file for backup.

You can use a combination of any two overlays for any one print job. For example, you can specify the first overlay as the one to be used on the first page and the second overlay as the one to be used on all subsequent pages. This is useful when the first page contains a company letterhead. Or, you can specify the first overlay as the one to be used on all odd-numbered pages and the second overlay as the one to be used on all even-numbered pages. This is useful if your printer supports duplexing. The first overlay prints on the front of all pages and the second overlay prints on the back of all pages.

### Note

- To download an overlay, you must have a download destination, such as flash memory or disk option, installed.

### If you want to ...

### Use this procedure

Create an overlay that can be distributed to others for use in their own printers

How to create an overlay

Download an existing overlay to your printer

How to download an existing overlay

Create an overlay and store it in the printer

How to create an overlay and store it in your printer

Create an overlay that can be distributed to others and then send that overlay to your printer

How to create an overlay on your system and store it in the printer

Use an overlay

How to use an overlay

{button ,KL(`overlays')} [Related Topics](#)

### **How to create an overlay**

- 1 Design the template using any Windows program. When the design is complete, print a copy of the overlay to confirm scaling and placement of all information.
- 2 Open the Printer Properties dialog box.
- 3 Click the Overlay tab.
- 4 Select the Create an Overlay check box.
- 5 Return to the Windows program you used to create the overlay template and print the template.
- 6 When the Download PCL Overlay dialog box opens enter a descriptive name with .pcl as the extension.

The overlay is now available for downloading to your printer. The file is also available for distribution to users who want to download the overlay to their printer.

### **Note**

- The Download Overlay button is dimmed if the driver doesn't detect the presence of a download destination such as flash or disk.

{button ,KL(`overlays')} [Related Topics](#)

### **How to download an existing overlay**

- 1 From the Printer Properties dialog box, click the Overlay tab.
- 2 Click Download Overlay.
- 3 Specify the file name of the overlay file you want to store. If you don't remember the location or name of the program file, click Browse.
- 4 Enter a descriptive name for the overlay.
- 5 Click the download destination and click Download.
- 6 When the Set Overlay ID Number dialog box opens, click OK. You can change the ID number if you don't want to use the default number provided.
- 7 Click Cancel to exit the Download PCL Overlay dialog box.

#### **Note**

- The Download Overlay button is dimmed if the driver doesn't detect the presence of a download destination such as flash or disk.

{button ,KL(`overlays')} [Related Topics](#)

### **How to create an overlay and store it in your printer**

- 1 Design the template using any Windows program. When the design is complete, print a copy of the overlay to confirm scaling and placement of all information.
- 2 Open the Printer Properties dialog box.
- 3 Click the Overlay tab.
- 4 Select the Create an Overlay check box.
- 5 Return to the Windows program you used to create the overlay template and print the template.
- 6 When the Download PCL Overlay dialog box appears:
  - a Enter a descriptive name for the overlay.
  - b Click the download destination.
  - c Click Download.
- 7 When the Set Overlay ID Number dialog box opens, click OK. You can change the ID number if you don't want to use the default number provided.
- 8 Click Cancel to exit the Download PCL Overlay dialog box.

#### **Note**

- The Download Overlay button is dimmed if the driver doesn't detect the presence of a download destination such as flash or disk.

{button ,KL(`overlays')} [Related Topics](#)

### **How to create an overlay on your system**

- 1 Design the template using any Windows program. When the design is complete, print a copy of the overlay to confirm scaling and placement of all information.
- 2 Open the Printer Properties dialog box.
- 3 Click the Overlay tab.
- 4 Select the Create an Overlay check box.
- 5 Return to the Windows program you used to create the overlay template and print the template to a file.
- 6 When the Download PCL Overlay dialog box opens:
  - a Enter a descriptive name for the overlay.
  - b Click the download destination.
  - c Click Download.
- 7 When the Set Overlay ID Number dialog box opens, click OK. You can change the ID number if you don't want to use the default number provided.
- 8 When prompted, enter the output file name with .pcl as the extension.
- 9 Click Cancel to exit the Download PCL Overlay dialog box.

#### **Note**

- The Download Overlay button is dimmed if the driver doesn't detect the presence of a download destination such as flash or disk.

{button ,KL(`overlays')} [Related Topics](#)

### **How to use an overlay**

- 1 From the Printer Properties dialog box, click the Overlay tab.
- 2 Click either First Page/Other Pages or Odd Pages/Even Pages.
- 3 Click the overlay to be used for the first page or all odd pages, depending on your selection above.
- 4 Click the overlay to be used for all other pages or for all even pages.
- 5 Return to the Windows program and print the document.

### **Tips**

- Create a letterhead logo and store it as an overlay in your printer. Then select that overlay for the first page and None for the other pages to print your job with the logo on the first page only.
- Use Odd Pages/Even Pages if your printer supports duplex printing to specify one overlay for the front side of each sheet and a different overlay for the back side.

{button ,KL(`overlays')} [Related Topics](#)

## About resolution

The Resolution setting affects the resolution of both graphic images and text. Resolution is measured in dots per inch (dpi). Choosing the highest dpi produces finer, higher-quality output. The output quality decreases as the resolution decreases. However, higher resolution output takes longer to print.

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

[Related Topics](#)

## About separator pages

The Separator Page option lets you insert a page between each document you print. This is useful if many people are sending jobs to the printer at the same time or if you are printing a lot of documents at once.

You can choose between a full page that includes graphics or a simple page with text only.

You can also use a custom separator page that you've created.

### Note

- You can set up separator pages only if the printer is directly attached to your computer.

{button ,KL(` separator pages')} [Related Topics](#)



### **How to print separator pages**

1 From the Printer Properties dialog box, click the General tab.

2 In the Separator Page list box, choose either Simple or Full.

- To print with a custom separator page, click Browse to locate the separator file you want to use.

{button ,KL(`separator pages')} [Related Topics](#)

## About duplexing

If you are using a printer that supports printing on both sides of the paper (duplex printing), you can specify duplex by indicating the binding edge.

Long-edge binding in portrait orientation is used for conventional layouts. Long-edge binding in landscape orientation is used in accounting and spreadsheets because pages can be flipped like a clipboard. Select Long Edge if you want to print your document in either of these ways.

Short-edge binding in portrait orientation is often used for calendar-like books. Short-edge binding in landscape orientation is another variation of conventional book layouts. Select Short Edge to print your document in either of these ways.

### Note

- The orientation setting (Portrait or Landscape) affects the binding setup of your documents but does not affect the binding edge selection. If Long Edge is selected, the page is turned using the physically longer edge regardless of whether Portrait or Landscape is selected.

[Related Topics](#)

### **How to print on both sides of the paper**

If your printer supports duplex printing, you can specify how you want the pages bound:

- 1 From the Printer Properties dialog box, click the Paper tab.
- 2 Click the duplex option you want to use. The icon changes to reflect your choice.

[Related Topics](#)

## **About forms**

The term “forms” refers to all print materials, including paper, labels, transparencies, and envelopes.

### **Form size**

You can choose the size of the form you want to use from the Form Size list box.

### **Form source**

Because you can use different form sizes in different trays, you can choose which tray or paper feeder to use for feeding forms to your printer.

### **Form type**

You can choose from several form types when printing your documents. Use the Form Type list box on the Paper tab to choose the form type you want to use.

■ `{button ,KL(`forms')}` [Related Topics](#)

## About form size

Form Size lists the available paper and envelope sizes. Use the Form Size list box on the Paper tab to choose the size you want to use.

[Related Topics](#)

**How to choose a form size**

1. From the Printer Properties dialog box, click the Paper tab.
2. In the Form Size list box, choose the form size you want.

{button ,KL(`forms')} [Related Topics](#)

**How to choose the form type**

1. From the Printer Properties dialog box, click the Paper tab.
2. In the Form Type list box, choose the form type you want.

{button ,KL(`forms')} [Related Topics](#)

**How to choose a form source**

- 1 From the Printer Properties dialog box, click the Paper tab.
- 2 In the Form Source list box, choose the source you want.

{button ,KL(`forms')} [Related Topics](#)



## About form source

Because you can use different form sizes in different trays, you can choose which tray or paper feeder to use for printing your documents.

Auto Select is a special form source. If you choose Auto Select, the printer searches all available sources to try to find the form size requested.

If you choose Manual Feed, Envelope, or Man. Envelope for the form source, the printer driver uses this selection only until you exit Windows. The next time you start Windows, the form source selection reverts to the default tray.

### Note

- Availability of form sources varies depending on printer model and installed options.

{button ,KL(`forms')} [Related Topics](#)

## **About form type**

You can specify the type of form you want to use for printing your documents. You can choose from several options such as Transparency, Card Stock, or Normal.

- The Form Type option is dimmed if Auto Select or Man. Envelope is selected as the Form Source.

{button ,KL(`forms')} [Related Topics](#)

## About orientation

You can specify the orientation you want to use for printing your documents.

Select Portrait if you want your document to be taller than it is wide; select Landscape if you want your document wider than it is tall.

You can use Rotate 180° with either portrait or landscape. This effectively rotates the document "upside down."

### Note

- If duplex (double-sided) mode is supported on your printer, orientation is an important consideration that affects the binding setup of your documents.

{button ,KL(`orientation')} [Related Topics](#)

### **How to specify print orientation**

- 1 From the Printer Properties dialog box, click the Paper tab.
- 2 From the orientation options, click Portrait or Landscape.

Note how the icon changes.

- 3 Click any other print orientation options you want to use.

{button ,KL(`orientation')} [Related Topics](#)

### **How to specify the amount of printer memory**

1. From the Printer Properties dialog box, click the Device tab.
2. In the Printer Memory spin box, specify the amount of memory installed in your printer.

{button ,KL(`memory')} [Related Topics](#)

## About print quality

You can improve the print quality of your documents by changing the print quality options.

Image Enhancement Technology (IET) improves the print quality of images, halftones, and fills producing a continuous tone effect but requires additional printer memory and may slow print time.

Print Quality Enhancement Technology (PQET) provides edge smoothing for a less jagged appearance on documents printed using lower resolutions. PQET is not used on documents printed using some higher resolutions. No degradation of graphics should occur with PQET selected.

To get the most from your toner supply, select Toner Saver or Draft. Selecting Draft may reduce print quality when printing graphics and is not recommended. The overall appearance of your document is affected by the combination of the Resolution, Dithering, Contrast, and Print Darkness settings.

### Note

- Some printer models do not support all options.

{button ,KL('print quality')} [Related Topics](#)

### **How to specify print quality**

1. From the Printer Properties dialog box, click the Graphic tab.
2. In the Print Quality list box, specify the print quality you want to use.

{button ,KL(` print quality')} [Related Topics](#)

### **How to specify resolution**

1. From the Printer Properties dialog box, click the Graphic tab.
2. In the Resolution list box, specify the resolution you want to use.

{button ,KL(`graphics')} [Related Topics](#)



## About graphic mode

The Graphic Mode options control how the printer processes and prints text and graphics in a document:

- Raster uses the printer's PCL 5 emulator to process the data describing the page to be printed. When Raster is selected, the printer driver sends the text content of the page as character strings and sends the graphic content as image data. Raster mode allows the use of printer resident fonts. For this reason, text-intensive documents often print faster when Raster is selected than when Print Accelerator is selected.
- Print Accelerator uses a special printer operating mode to provide high resolution, high speed graphics. For a given Resolution setting, Print Accelerator is generally faster than Raster when printing graphics-intensive pages that contain a moderate amount of text. When Print Accelerator is selected, the printer driver sends only graphic images to the printer. Text is rendered into graphic images by the printer driver before being sent to the printer. For this reason, printer resident and downloadable fonts are not available when Print Accelerator is selected.
- GL/2 uses the printer's GL/2 emulator to process the data describing the page to be printed. When GL/2 is selected, the printer driver sends the text content of the page as character strings and sends the graphic content as GL drawing commands. GL/2 is usually the best option since it allows the use of printer resident fonts and, in most cases, is the fastest.
- Auto Select causes the printer driver to automatically select the Graphic Mode based on the active application.

### Note

- Not all graphic mode options are available for all printer models.

{button ,KL(`graphics')} [Related Topics](#)

### **How to specify graphic mode**

1. From the Printer Properties dialog box, click the Graphic tab.
2. In the Graphic Mode list box, choose the mode you want to use.

{button ,KL(`graphics')} [Related Topics](#)

## **About defining printer memory**

The Printer Memory setting, which defines the amount of memory installed in a printer, should be configured to match your printer. Windows uses this information to determine the amount of memory you have available for printing.

If you are unsure how much memory is installed in your printer, you can print a test page.

Additional printer memory can eliminate Memory Full and Complex Page errors if you print complex forms or full-page graphics or download many fonts.

▪ `{button ,KL(`memory')}` [Related Topics](#)

## About page protection

The Page Protection setting reserves additional memory for the creation of page images. This setting allows the printer to create an entire page image in memory before physically moving the paper through the printer. This process ensures the entire page is printed and helps eliminate the Complex Page error.

### Note

- If your printer supports small memory sizes you must have at least 1MB of memory installed for Page Protection to be available.

{button ,KL(` page protection')} [Related Topics](#)

### **How to specify page protection**

If your printer supports small memory sizes you must have at least 1MB of memory installed for Page Protection to be available.

- 1 From the Printer Properties dialog box, click the Device tab.
- 2 Select the Page Protection check box.

▪ `{button ,KL(` page protection')}` [Related Topics](#)

## **About printing**

The printing options in the Printer Properties dialog box offer you many ways to change the look of your documents.

For example, you can change the Orientation option to print your documents in either portrait or landscape orientation.

Options such as Resolution, Print Darkness, Dithering, and Contrast allow you to change the appearance of text and graphics in your documents.

▪ `{button ,KL(` printing')}` [Related Topics](#)

## About collating

Printer Collate, if supported by your printer, is used to collate multiple copies of a document. A complete set of pages in a document is printed followed by another complete set of pages. For example: one copy of page 1, page 2, and page 3; followed by another copy of page 1, page 2, and page 3.

### Note

- If your printer doesn't have enough memory to collate a large document, it prints collated pages of part of the document, then it prints collated pages of the remainder of the document.

{button ,KL(`collate')} [Related Topics](#)

### **How to specify printer collate**

1. From the Printer Properties dialog box, click the Paper tab.
2. Select the Printer Collate check box.

{button ,KL(` collate')} [Related Topics](#)



## About copies

Use the Copies option to print more than one copy of your document at a time. The Copies spin box on the Paper tab is independent of a Copies option that may be available in the Print dialog box of your Windows program. Your program settings usually override the settings on the Paper tab.

Specifying the number of copies on the Paper tab usually prints uncollated copies faster. Specifying the number of copies from your Windows program may slow down printing but may enable you to print collated copies if your program supports this feature. Specifying a multiple number of copies on both the Paper tab and in a program Print dialog box may produce unpredictable results.

{button ,KL(`copies')} [Related Topics](#)

### **How to print multiple copies**

1. From the Printer Properties dialog box, click the Paper tab.
2. In the Copies spin box, type the number of copies you want.

{button ,KL(`copies')} [Related Topics](#)

## About fonts

Use the Font tab to select how you print TrueType fonts in your documents. The way you handle TrueType and downloaded fonts can impact your print job. If you have large documents that contain many TrueType or downloaded fonts, you may not have enough memory available to print your documents. Also, documents with many TrueType fonts may print more slowly.

You can choose from the following options when printing documents with TrueType fonts:

- **Print as Graphics.** If your document contains a lot of graphics but not a lot of repeated TrueType text, we recommend you use this option. 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 a graphic with overlay text so that only the exposed portion of the text is displayed.
- **Download as Bitmap.** If your document contains a lot of repeated TrueType characters that are the same point size, we recommend you use this option.
- **Download as Outline.** If your document contains a lot of different TrueType text, we recommend you use this option.

If you select the Screen Font Substitution check box, the printer substitutes its resident fonts for the TrueType fonts in your document.

### Note

- The selections you make only affect the fonts that are printed. The original TrueType fonts are still used to display TrueType text on the screen.

{button ,KL(` fonts')} [Related Topics](#)

### **How to download and store fonts in the printer**

- 1 From the Printer Properties dialog box, click the Font tab.
- 2 Click Download Font.
- 3 Specify the path to the directory which contains the font files. You can either type this path in the Font Source Path entry box or use the Browse button beside it.
- 4 Click the Search Path button. This searches the Font Source Path for appropriate files and lists the fonts found in the Available Fonts list box.
- 5 Select the fonts to be downloaded in the Available Fonts list box.
- 6 Select the download destination, either flash, disk, or RAM.
- 7 Click Download to send the fonts to the printer.
- 8 Click Close.

#### **Note**

- The Download Font button on the Font tab is dimmed if the driver doesn't detect the presence of a download destination option.

▪ {button ,KL('fonts')} [Related Topics](#)

### How to specify format for sending TrueType fonts

- 1 From the Printer Properties dialog box, click the Font tab.
- 2 From the TrueType Fonts box, select the method you want to use for sending fonts to your printer.
  - Select Print as Graphics to print all TrueType fonts and graphics on each page as a bitmap.
  - Select Download as Bitmap to print all TrueType fonts as bitmapped fonts.
  - Select Download as Outline to print all TrueType fonts as hinted outline fonts. This selection is not available if the printer does not have a TrueType rasterizer.

Download as Bitmap and Download as Outline both require less memory and reduce printing time when printing documents containing a lot of TrueType text. Print as Graphics is recommended if you're printing a document that contains a lot of graphics but not a lot of TrueType text.

#### Note

- Make sure Screen Font Substitution is not selected if you do not want the printer to substitute resident fonts for the TrueType fonts in your document.

{button ,KL(` fonts')} [Related Topics](#)

## About the Font Installer

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

- Bitmapped printer (soft) fonts. Disk-based (soft) bitmapped printer fonts must be in PCL format. These fonts have various file extensions. For example, .SFP and .SFL.
- Fonts installed through the AutoFont Support Utility. AutoFont Support uses a file typically called GLUE.TXT.

{button ,KL('fonts')} [Related Topics](#)

### **How to use the Font Installer**

1. From the Printer Properties dialog box, click the Font tab.
2. Click Download Font.

{button ,KL(` fonts')} [Related Topics](#)

## About screen font substitution

The Screen Font Substitution check box controls the way the printer driver lists printer resident fonts that have corresponding TrueType screen fonts. Normally this box should be checked.

When Screen Font Substitution is on, the printer driver does not list the printer resident fonts which have corresponding TrueType screen fonts installed. Instead, only the screen font is listed. For example, Arial only appears in an application's font selection dialog box once. When the document is printed, the printer driver uses the printer resident font in place of the matching screen font. A document that uses Arial is printed with the printer resident Arial font.

When Screen Font Substitution is off, the printer driver lists both the TrueType screen fonts and the printer resident fonts. For example, Arial appears in an application's font selection dialog box twice, once as a screen font and a second time as a printer font. When the document is printed, the printer driver uses the font that was selected. If a TrueType screen font is used in the document, that screen font is downloaded to the printer and used to print the document. If the printer resident font is used in the document, it is used to print the document.

There might be unique situations where it is desirable to create a document that specifies the printer resident font rather than the screen font. Or, it may be desirable to force the screen font to be downloaded for printing. In either of these cases, Screen Font Substitution should be turned off.

■ {button ,KL(' fonts')} [Related Topics](#)



### **How to use the closest matching printer fonts**

- 1 From the Printer Properties dialog box, click the Font tab.
- 2 Select Screen Font Substitution.

{button ,KL(` fonts')} [Related Topics](#)

## **About the Printer Properties dialog box**

In the Printer Properties dialog box, you can view and change a variety of printer settings, including Form Type and Source, and Orientation.

- You can also use options such as Resolution and Print Darkness to change the look of printed documents.

{button ,KL(` printer properties')} [Related Topics](#)

### **How to open the Printer Properties dialog box**

- 1 Click the Windows Start button.
  - 2 Click Settings.
  - 3 Click Printers to open the Printers dialog box.
  - 4 Double-click your printer icon.
  - 5 In the dialog box, open the Printer menu and choose Properties.
- `{button ,KL(`printer properties')}` [Related Topics](#)

## **About printing TrueType fonts as graphics**

Use this feature if your document contains a lot of graphics but not a lot of TrueType fonts. 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 graphic overlays over text so only the exposed portion of a character is displayed.

▪ `{button ,KL(` fonts')}` [Related Topics](#)

## **About dithering**

Dithering affects the amount of detail in the graphics images. Coarse shows the least amount of detail. Fine produces a higher quality image.

The overall appearance of graphics is affected by the combination of the Resolution, Dithering, Contrast and Print Darkness settings.

■ `{button ,KL(` graphics')}` [Related Topics](#)

**How to specify dithering**

1. From the Printer Properties dialog box, click the Graphic tab.
2. Click either Coarse, Medium, or Fine.

{button ,KL(`graphics`)} [Related Topics](#)

## **About contrast**

The Contrast setting determines the degree of difference between levels of gray.

The overall appearance of graphics is affected by the combination of the Resolution, Dithering, Contrast, and Print Darkness settings.

■ `{button ,KL(` graphics')}` [Related Topics](#)

### **How to change the contrast setting**

1. From the Printer Properties dialog box, click the Graphic tab.
2. Move the slider to the left or right to adjust the Contrast setting.

{button ,KL(`graphics')} [Related Topics](#)



## **About print darkness**

The Print Darkness setting is used to lighten or darken output in print jobs.

Selecting Normal should satisfy most printing requirements. The overall appearance of graphics is affected by the combination of the Resolution, Dithering, Contrast, and Print Darkness settings.

[Related Topics](#)

### **How to specify print darkness**

1. From the Printer Properties dialog box, click the Graphic tab.
2. In the Print Darkness list box, choose the setting you want to use.

{button ,KL(`graphics')} [Related Topics](#)

## **About updating printer information**

The Update feature uses bidirectional communication to update information that the printer driver maintains about the printer's configuration. Some of the items included are: installed memory, duplex option installed, if supported, and optional form sources installed.

{button ,KL(`update')} [Related Topics](#)

### **How to update printer information**

- 1 Make sure the printer is turned on.
- 2 From the Printer Properties dialog box, click the Device tab.
- 3 Click Update.

#### **Note**

- This option is only available when the printer is able to respond to the printer driver's request. For example, the printer must be turned on. If the printer is attached through a network, bidirectional communication between the printer driver and the printer must be supported over that network.

{button ,KL(` update')} [Related Topics](#)

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PCL is a registered trademark of the Hewlett-Packard Company. PCL 5 is the Hewlett-Packard Company's designation of a set of printer commands (language) and functions included in its printer products. This printer is designed and manufactured by Lexmark International, Inc., to be compatible with the PCL 5 language. This means the printer recognizes PCL 5 commands used in various application programs, and that the printer emulates the functions corresponding to the commands.

TrueType is a trademark of Apple Computer, Inc.

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Specifies the printing resolution in dots per inch (dpi). Generally, higher resolution settings produce higher quality graphics; however, documents may take longer to print when using higher resolution.

Lists the available graphic modes. Documents may take longer to print depending on the amount of text and the mode you choose.

Lightens or darkens output in print jobs.



Lists the available print quality options. All options may not be available on all printers.

- Standard uses no quality adjustments.
- IET improves the print quality of images, halftones, and fills producing a continuous tone effect but requires additional printer memory and may slow print time.
- PQET provides edge smoothing for a less jagged appearance on documents printed using lower resolutions
- Toner Saver and Draft modes get the most from your toner supply but are not recommended when printing graphics.

Affects the amount of detail in the graphics image. Coarse shows the least amount of detail. Fine produces a higher quality image.

Adjusts the degree of difference between levels of gray in your document. A higher setting shows more difference between levels of gray.

Lists the available paper and envelope sizes.

Lists the available sources for printing your document.

Lists the available form types.

Specifies the number of copies you want to print.

Specifies whether multiple copies of a document are collated. For example, if a document has five pages and two copies are requested, the collated output would be 1, 2, 3, 4, 5, 1, 2, 3, 4, 5. The non-collated output would be 1, 1, 2, 2, 3, 3, 4, 4, 5, 5.

If there is insufficient memory installed to collate the document, the collated output is generated for each page already stored in memory. For the above example, the output might be 1, 2, 3, 1, 2, 3, 4, 5, 4, 5.



Specifies whether the document is printed using portrait or landscape orientation. 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.

Rotates the document "upside down". You can use this option with either portrait or landscape orientation.

Specifies whether a document is to be printed on one or both sides of the page and how the pages are to be bound.

Specifies the format for downloading TrueType fonts to the printer.

Specifies that each page of text and graphics in a document is saved as a bitmap and sent to the printer.

Specifies that a bitmap is created and sent to the printer for each different TrueType font character and point size in your document.

Specifies that an outline is created and sent to the printer for each different TrueType font character in your document.

Specifies whether you want to print using the closest matching printer font in place of TrueType fonts. Select this check box to print with the closest matching printer fonts in place of TrueType fonts. The driver determines which printer fonts most closely match the TrueType fonts in your documents.



Click this to display the Download PCL Fonts dialog box. This dialog box allows you to store fonts in the printer.

Resets all selections on this tab to their default values.

Specifies the ways you can use overlays.

Lists the overlays available for use on the first printed page and all other pages in the job.  
If duplex is selected, the specified overlay is used on the first side of the first sheet.

Lists the overlays available for use on even pages and the overlays available for use on the odd pages in the job.

Lists the overlays available for use.

If First Page/Other Pages above is selected, the overlays available for use on the first printed page are listed. If duplex is selected, the specified overlay is used on the first side of the first sheet. Click the overlay you want to use, or click None for no overlay.

If Odd Pages/Even Pages is selected, the overlays available for use on odd pages are listed.

If First Page/Other Pages is selected, the overlays available for use on all pages of the document after the first page are listed. Click the overlay you want to use, or click None for no overlay.

If Odd Pages/Even Pages is selected, the overlays available for use on even pages are listed.



Specifies whether you want to create an overlay or use an existing overlay.

Click this to download an overlay to an installed printer option such as flash, disk, or RAM.

Click this to add new overlays to the list displayed in Overlay Selections.

Specifies the amount of memory installed in your printer and provides a space for you to type a new memory setting. You can also click the scroll arrows to select a new setting.

Specifies whether additional memory is reserved for the creation of page images.

Updates the information the printer driver maintains about the printer configuration. This option is available only if the printer has bidirectional capability.

## Fonts don't print as expected

Your printer may be substituting printer fonts for the TrueType fonts you selected in your document. Try either of the following to correct this problem:

- Make sure Screen Font Substitution is not checked.
- Select Print as Graphics from the TrueType Fonts options.

{button ,KL(`fonts')} [Related Topics](#)

## Documents don't print with overlays

After you create an overlay and download it to the printer, you must select the overlay from the driver before you can use it to print a document.

- 1 Click the Overlay tab.
- 2 Click the overlay(s) that you want to use.
- 3 Print your document.

### Note

- Make sure you set the overlay selection to None after your document has printed, or other documents will print with the overlay.

{button ,KL(`overlays')} [Related Topics](#)



## **Documents print with unexpected characters or graphics**

If your document prints with extra characters or graphics, make sure there are no overlays selected in the Overlay tab.

▪ {button ,KL(`overlays')} [Related Topics](#)

## Files copied to the printer don't print

If you print your document to a file and copy the file to your printer, but it does not print, try the following:

- 1 Go to an MS-DOS prompt.
- 2 Type the following command and press Enter: `copy filename lpt1: /b`

### Note

- Make sure you type `/b` at the end of the command.

{button ,KL(` printing')} [Related Topics](#)

## **Bidirectional Update Failed**

If bidirectional communication is not active for the selected printer, you cannot choose the Update button.

Before you continue, make sure:

- The printer is turned on.
- The printer is connected directly to your computer with an IEEE 1284-compliant bidirectional cable. Very few automatic switch boxes provide reliable bidirectional communication.
- The NPA setting on your printer is On or Auto.
- Advanced Status is turned on at the printer.

If you still do not have bidirectional communication after following the above list, re-install the driver. If re-installing the driver doesn't correct the problem, do the following:

- If you have a dedicated Interrupt Request (IRQ) to your port, make sure your computer parallel port is set for bidirectional communication in either compatible or Enhanced Communications Protocol (ECP) mode.

If all the above fail to fix the problem, contact Lexmark Technical Support.

{button ,KL('update')} [Related Topics](#)

The process of joining a stack of printed sheets with stitches (staples), three-hole, glue or some other means.

A name that makes it easy to recognize the contents of the overlay file. This name appears in the Overlay Selections box. You can use any combination of spaces and characters.

To print the printer's menu settings, see your printer user's manual.

Files that are provided with some font and typeface products. These files contain font metric (width) information used by the Font Installer. AutoFont Support files are usually shipped with special installation utilities that must be run prior to using the Font Installer.

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



Bitmapped fonts are limited to an exact point size. A bitmapped font cannot be reduced or enlarged.

Software code that controls commands sent to a device such as a printer or screen. Printer drivers work automatically so that you don't have to enter programming codes. Printer drivers let you select fonts, set margins, select number of copies, and so forth.

In jobs where multiple copies are printed uncollated, all copies of page one are printed, then all copies of page two, and so on.

In jobs where multiple copies are printed and collated, a complete set of pages in a job is printed followed by another complete set of pages. For example: one copy of page 1, page 2, and page 3; followed by another copy of page 1, page 2, and page 3.

A software program that includes a special screen font driver. With Intellifont-for-Windows loaded, scalable typeface products can be directly installed to produce both printer fonts and screen fonts.

Used for printing form types, such as letterhead, or form types not loaded in the paper trays.

Searches for an input tray with the correct form size, and prints from that tray.

Unique groupings of characters in a font. Each symbol set is defined with a specific set of programs in mind. WN: Windows is the default symbol set. Other symbol sets are used for mathematic and multi-language purposes. Refer to your printer user's manual for charts showing the characters in each symbol set.



To receive font files for your printer font cards, contact your Lexmark dealer, point of purchase, or your country Lexmark representative.

Lists the available paper output trays.

Lists the available stapling options. Staples are placed on different edges of sheet, depending on the form size selected. The graphic displays where the staples will be placed on the sheet.

