

Elfring Fonts Evaluation

PCL Logo Font

This package contains five a sample PCL bitmapped logo font. These PCL bar code fonts can not be used unless you understand how to send them to your printer, how to select them, and what characters to print to make the logo appear. The following pages detail how to use this soft font.

How To Use These Fonts

We supply this PCL logo font in binary PCL font format. The font consists of simple binary data that resides on your computer's hard disk. To use a font to print a logo, you first send the font to your printer (this process is called downloading). When your application needs to print a logo it sends a special command to the printer to switch from the normal font to the logo font. You then send a series of characters to print the actual logo ("ABC"). Finally, you send a special printer command to tell the printer to return back to the normal font.

Printer commands always start with the Escape character (1B in hex, or 27 in decimal). The rest of the printer command is straight ASCII. To return back to the default font your printer sets when it is turned on us the following PCL command:

<Esc>(3@

Downloading Fonts To Your Printer

Windows:

The Windows utility program Downloadwin.exe will send a font to any Windows printer. To use this utility, first enter in the name and path of the font you want to download, or use the *Browse* button to locate a font. Your default printer is automatically selected. If this is not the printer you want to send the font to, click on *Select Printer* to pick a different printer. You can enter an ID number for the font or default to the number shown on the screen. To download the font click on *Download Font* button. The program will tell you when the font download is complete.

DOS:

The DOS utility program Download.exe will send a font from the command line or from a batch file to any parallel or serial printer. It will not work with networked printers or printers with USB connections. See the documentation file, download.txt for details on how to use this utility.

Other:

Each of these fonts must be sent to your printer (downloaded) before they can be selected and printed. If you are on a PC, you may be able to use our Download utility (see the documentation file download.txt for more information on this program) to send the fonts to your printer. If you are on a computer other than a PC, how you download a font to your printer depends on the computer you are using. Basically you need to:

- 1) Assign the font an ID number by sending the following PCL command:
<Esc>*c###D where <Esc> stands for the escape character (1B in Hex)
and ### is the font ID number in ASCII, Say 10 for ID 10.

- 2) Copy the font file to the printer
- 3) Repeat step 1 above
- 4) Send the following PCL command to make the font permanent (otherwise it gets erased when you reset the printer.) Note that "permanent" fonts are lost when the power to the printer is turned off.
<Esc>*c5F

To download a font to your printer and assign it ID number 23 send:

```
<Esc>*c23D  
copy the font file to the printer  
<Esc>*c23D  
<Esc>*c5F
```

Note that you can also select a font by the ID number you assigned when you downloaded the font. To select a font by its ID number use:

```
<Esc>####X
```

where <Esc> is the escape character (1B hex) and ### is the ID number you assigned to the font when it was downloaded.

To select the font in the download example above with ID 23 send: <Esc>(23X

To print the logo, select the font by its ID number, send the logo font characters "ABCD", and then switch the printer back to its default font.

```
<Esc>(23XABC<Esc>(3@
```