



Brother HL-6 Printer Driver Help Contents

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Cartridges

Support is already included for many of the Brother font cartridges and Hewlett-Packard's bitmapped cartridges with the Brother HL-6 Printer Driver. Be sure to select a cartridge **before** you format your documents. The cartridge you select includes a list of fonts and point sizes that you will be able to use in your Windows applications.

You will not need to use the **Fonts** button or the Brother Font Installer if your cartridge is listed

Unlisted Cartridges

If you have a font cartridge that is unlisted, you must install AutoFont Support files (TFM) or a Printer Cartridge Metric (PCM) file which supports the fonts through the Brother Font Installer.

If you purchased a font cartridge from a company other than Brother or HP, call that company to see if a Windows 3.1 PCM file or AutoFont Support file is available.

For specific instructions on the procedures to install new (unlisted) cartridges, click [here](#):

[Font Installer](#)

Compatible Fonts and Typefaces

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

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

Disk-based (soft) bitmapped printer fonts must be in PCL format. These fonts have various file extensions. For example, soft fonts from HP's Type Director use .SFP and .SFL. HP's older soft font products such as the AC, AE, AG, DA, DC products have file extensions like .USP, .USL, .R8P, .R8L, etc.

- * **Fonts installed through the AutoFont Support Utility**

AutoFont Support uses a file called GLUE.TXT

- * **Cartridge fonts** -- Printer Cartridge Metric (PCM) files

Copies

The **Copies** selection tells Windows how many uncollated 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 Brother HL-6 Printer Driver window when you want to print uncollated copies. When you want sets of collated 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.

Defining Printer Memory

The **Memory** selection, 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.

The Brother HL-6 printer comes with 0.5 megabyte of memory as standard. This can be expanded to 2.5 or 4.5 megabytes. This value will be automatically set for you and this control disabled if the Brother HL-6 printer driver can talk directly to your printer.

Additional printer memory can eliminate memory overflows (34 Memory Full) if you print complex forms, full-page graphics and/or download many fonts.

Fonts Button

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

You can install any PCL compatible printer fonts with the Brother Font Installer.

Compatible Fonts

Options

The Options dialog box allows you to select or change the following:

Advanced Driver Options

Compression Mode

Graphics Resolution

Gray Scale

Insert Command

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

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

For a **Brother HL-6** printer, you can choose

- * Multipurpose Tray
- * Lower Tray
- * Manual Feed
- * Auto Select

Note:

Lower Tray is an optional second tray.

Auto Select selects the source which matches the paper size selected

Paper Size

The **Brother HL-6 Printer Driver** lets you select five sizes of paper and four sizes of envelopes.

Paper

A4 (international)	210 x 297 mm
Letter (US)	8.5 x 11 inches
Legal (US)	8.5 x 14 inches
Executive (US)	7.25 x 10.5 inches
B5	176 x 250mm

Envelopes

C5 (international envelope)	162 x 229 mm
DL (international envelope)	110 x 220 mm
COM-10 (US envelope)	4 1/8 x 9 1/2 inches
Monarch (US envelope)	3 7/8 x 7 1/2 inches

Printer Defaults

Selecting this button sets the driver to the default settings. This will reset the paper source, size and orientation.

To run a Self Test printout on your Brother HL-6 printer.

a) With the printer switch on, press the [SEL] switch to put the printer off line. The ONLINE indicator will go out.

b) Hold down the [SHIFT] switch and printer the [TEST] switch. The display will show the you are in test print mode.

c) Press the [^} or [%] switch repeatedly until one of the following is displayed on screen:

TEST PRINT	(a "barber pole" test pattern)
DEMO PAGE	(a demonstration print sample)
PRINT CONFIG	(printer setting condition)
PRINT FONTS I	(all ROM fonts in memory)
PRINT FONTS C	(all font on cartridge)
PRINT FONTS P	(all permanent downloaded fonts)
CLEANING PAPER	(cleaning paper which should be printed and fed through the printer each time a toner cartridge is changed.)

If you have no font cartridge inserted, and/or no fonts have been downloaded, the appropriate message(s) will not be displayed.

d) When the message corresponding to the test print that you want is displayed, press the [SET] switch. The DATA indicator will come on, and the test sheet(s) will be produced.

e) If you decide that you do not want a test print, choose the exit option with the [^] or [%] switches, and then press [SET] to exit from the TEST PRINT mode.

f) Press [SEL] switch to set the printer back on line. The ONLINE indicator will light.

AutoFont Support files contain font metric information used by the Brother Font Installer.

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.

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.

Intellifont-for-Windows is a software program from Hewlett-Packard 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.

Manual feed 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 coloured paper, is wanted without having to open and load a paper tray.

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

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



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Advanced Printer Settings.

The Options dialog box allows you to select or change the following:

- High Speed Mode

- Bi-Directional Interface Mode

For more information about any of these options, select the **Help** button from the **Advanced Printer Setting** menu.

Compression Mode

The compression mode setting selects how the printer driver will send raster data to the printer. There are four settings to choose from:

Compression Off

Brother Compression (Type 1)

Adaptive Compression (Mode 5)

Adaptive Compression (Mode 9)

Select a compression mode that best suits your data. If your data has large areas of solid black or white Brother Compression Type 1 mode will be the most suitable. Adaptive Compression modes may take longer to process but the resulting data sent to the printer will be reduced. This may be useful over networks.

Try other modes to find the most suitable for your data.

NOTE: Changing compression mode does not alter the print output from the printer, just the amount of data being sent.

Defaults

Selecting this button resets the Options dialog back to the default driver settings. These settings are recommended to produce the highest quality output from your Brother HL-6 Printer.

Graphics Resolution

The Graphics Resolution settings in the printer setup dialog box affects the resolution of graphic images only, not text. This is measured in dot per inch (dpi)

Graphics Quality can be set to 300 dpi, 150 dpi or 75 dpi. Choosing 300 dpi will produce finer, higher-quality output. The output quality decreases with the 150 dpi or 75 dpi settings. However, higher resolution output will take longer to print.

The Brother HL-6 printer requires at least two additional megabytes of memory in order to print 300 dpi graphics for a full page. The printers have enough resident memory to print 300 dpi graphics for half a page or to print 75 dpi or 150 dpi graphics for a full page. However, if the page is not too complicated the Brother HL-6 can print a 300 dpi full graphics page with standard memory.

If the printer does not print the entire graphic image on one page and displays the "34 Memory Full" message, then most likely the printer has run out of memory. You either need to install more memory in your printer or choose a lower graphics resolution setting.

Memory

Gray Scale Settings

Gray Scale refers to a type of pattern that is applied to printed images. Though the Brother HL-6 printer prints only black, these patterns produce a "grey" appearance on the printed page.

The best way to choose a setting for your graphic image is to **experiment**. Print a graphic image at each setting and choose the one you like best.

To help you decide which selection to choose, the three settings are described here:

Photographic Images

Choose this setting for printed images that you want to have smooth, realistic and photographic appearance. The **Photographic Images** setting provides soft contrasts between various shades of grey. This setting also works well for images originally designed with colour. The Brother HL-6 Printer Driver uses an 8 bit-by-8 bit "clustered dot" method to emulate 60 different levels of grey at this setting.

Line Art Images

Choose this setting for graphic images with intricate lines and fine detail, like "clip art" graphics. The **Line Art Images** setting provides solid lines and sharp contrasts between shaded areas. The Brother HL-6 Printer Driver uses 32 different 8 bit-by-8 bit "dispersed dot" patterns to produce grey tones.

Scanned Images

Choose this setting if your graphic images were originally scanned. The **Scanned Images** setting is specially tuned to provide exceptional quality and clarity to printed images originally scanned in. The Brother HL-6 Printer Driver uses a variation of the 8 bit-by-8 bit "clustered dot" method used in the Photographic Images setting. This method also produces 60 different levels of grey.

Insert Commands

This option allows data to be inserted into a print job.

A file called **ESCSEQ.DEF** resides in the **WINDOWS SYSTEM** directory. This file can be created using a standard text editor such as NOTEPAD. (This file must be saved in text format).

The file can contain the following key words.

DEFSTART	Start of data definition
DEFEND	End of definition
PAGEn	Insert data at the beginning of page n.(n can 1, 2, 3, etc or ALL for all pages)
PAGEALL	Insert data at the beginning of every page
DATAENDn	Insert data at the end of page n.
DATAENDALL	Insert data at the end of every page.

The following is a sample of this file

```
DEFSTART ; start of definition
TITLE "Company Logo" ; This string appears in the Insert Command Combo Box
PAGE1 "<ESC>&f1000y2X" ; 'ESC &f1000y2X' is inserted at the beginning of the
first page
DEFEND ; End of definition

DEFSTART ;Start of definition
TITLE "Every Page" ; This string appears in the Insert Command Combo Box
PAGEALL "<ESC>&f1000y2X" ; 'ESC&f1000y2X' is insert at the beginning of
every page
DEFEND ; End of definition
```

NOTE: The data is delimited by "" and must be entered correctly. The data entered is not validated until it reaches the printer. Please consult your printer user manual for valid commands or contact your Brother dealer.

Printing TrueType Fonts As Graphics

Your printer supports printing TrueType fonts as graphics. If your document contains a lot of graphics but not a lot of text, it is recommended that you use this feature. Printing 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, choose the Options button.
- 2 In the Options dialog box, select the Print TrueType As Graphics check box
- 3 Specify any other options you want.
- 4 Choose the OK button.



Contents for Advanced Help

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High Speed Mode

Selecting the High Speed Mode check box enables the driver to make use of a high performance Parallel Communications driver. This reduces the time taken to send a print job to the printer.

Selecting High Speed Mode on enables the fastest possible data transmission method.

NOTE that only one application may access the Parallel Communications Driver at one time. Therefore if a second application tries to print, an Error condition is reported. At this point you may Cancel or wait for the other Print Job to complete.

Bi-Directional Interface Mode

Selecting the Bi-Direction Interface check box allows the status of the print job to be monitored during printing. This reports the job title, page number and printer status (ONLINE and any errors that occur on the printer).

