Brother HL-600 Series Printer Driver Help Contents

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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 Brother HL-600 Series Printer Driver 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.

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-600 Series printer comes with 0.5 or 1 megabyte of memory as standard. You can expand the memory capacity to 1.5 or 2 MB for 0.5 megabyte model and to 2MB for 1 MB model by installing the optional memory board.

The installed memory of your printer will be automatically set by the printer driver,   if the printer driver can talk directly to your printer.

Additional printer memory can eliminate a MEMORY FULL error 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.

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 the **Brother HL-600 Series** printer, you can choose

* **Multi-purpose sheet feeder**
* **Manual paper feed**

The **Multi-purpose sheet feeder** is usually used for printing on standard size paper and envelopes.   If your paper has difficulty feeding from the multi-purpose sheet feeder we recommend using the manual paper feed method.
Also,   when an occasional page of special paper is required,   such as letterhead or colored paper,   the **manual feed** method allows easy paper loading without having to open and load the paper tray.

Paper Size

The **Brother HL-600 Series Printer Driver** lets you select ten sizes of paper and four sizes of envelopes and set user defined sizes of 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 250 mm
A5 (international)	148.5 x 105 mm
Organizer J	2.75 x 5 inches
Organizer K	3.75 x 6.75 inches
Organizer L	5.5 x 8.5 inches
Organizer M	8.5 x 11 inches
3 x 5	3 x 5 inches

<u>User Defined...</u>

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

User Defined Paper Size

The Brother HL-600 Series printer can handle any paper size within the following range.

Minimum	2.75 x 5 inches	70 x 127 mm
Maximum	8.5 x 14 inches	216 x 356 mm

In this option, you can specify a custom-sized paper and save it by following this procedure.

1   Measure the paper size you want to use.

2   Select [User Defined...] in the paper size option.

3   Enter a unique name for your paper in the Custom Paper Size Name box.

4   Select either mm or inch for the unit of measure.

5   Type in the length and width.

6   Use the Save button to store the size. If necessary, you can delete a pre-set size by choosing the Delete button.

NOTE: Your Windows application software may override this setting.   Make sure you have set the proper paper size in your application software.   In addition, check the margin settings when you select the smallest paper size.   If they are too large, it may result in nothing being printed.

Economy Mode (Print Quality)

Use the economy mode to reduce the toner consumption.

You can choose from two print quality selections, **Normal** or **Economy**.
When the printer prints in Economy mode,   approximately 50% of the toner consumption will be saved.   Printouts in Economy mode will be a little lighter than ones in Normal mode.

NOTE: Changing the Print Quality does not affect the print speed nor memory consumption.

Printer Defaults

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

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

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

In multiple page jobs that are **uncollated,** several copies of Page 1 are printed followed by several copies of Page 2, followed by several copies of Page 3, etc.   For example, for 2 copies of 3 pages document,   the printer prints Page1, Page1, Page 2, Page 2, Page 3, and Page 3 in order.

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,   printing 2 copies of a 3 page document,   the printer prints Page 1, Page 2, Page 3, then Page 1, Page 2, and Page 3 in order.

Manual paper 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 the paper tray.

Multi-purpose sheet feeder is usually used for printing standard sizes of paper and envelopes. When the paper is not fed properly, we recommend manual paper feed.

brother

Contents for Options Help

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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

Advanced Data Transfer

Mode 5 Compression

Mode 9 Compression

The default setting is Advanced Data Transfer compression mode.　We recommended you to use this setting, because you can get the fastest print out.

If you have any problems with Advanced Data Transfer compression mode,　try to use another compression mode or turn compression off.

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-600 series Printer.

Economy Mode (Print Quality)

This is the same setting as the "Economy Mode" on Main dialogue. Check the box to turn ecnomy mode ON.

Graphics Resolution

The Graphics Resolution setting in the printer setup dialog box affects the resolution of graphic images only, not text. This is measured in dots 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.

If the printer does not print the entire graphic image on one page and indicates a MEMORY FULL error message with the ALARM lamp blinking, 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.

<u>Memory</u>

Gray Scale Settings

Gray Scale refers to a type of pattern that is applied to printed images.   Though the Brother HL-600 Series printer prints only black, these patterns produce a "gray" 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 available 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 gray.   This setting also works well for images originally designed in color.   The Brother HL-600 Series Printer Driver uses an 8 bit-by-8 bit "clustered dot" method to emulate 60 different levels of gray 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-600 Series Printer Driver uses 32 different 8 bit-by-8 bit "dispersed dot" patterns to produce gray 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-600 Series 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 gray.

Insert Commands

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

Using this function allows you to do the following.
*Insert a specified file into a print job.
*Insert a text string into a print job.
*Insert a macro which is saved in the printer memory into a print job.

To do the above, you should create your own data definition on the file "ESCSEQ.DEF".
You can open the file "ESCSEQ.DEF" by using a standard text editor such as NOTEPAD.
(This file must be saved in text format).

Key words;

DEFSTART	Start of data definition
DEFEND	End of definition
TITLE	Specify the title name which appears on the "Insert Command/Files" pull-down menu.

Commands;

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.

Syntax;
 DEFSTART
 TITLE " title name "
 COMMAND " text or printer command" [@##### #file name#]
 DEFEND

 Define the title name with double quotes,
 enter the text or printer command with double quotes,
 specify the macro ID with @ mark and file name surrounded by #.
 Double quotes following the COMMAND will be needed if there is no text or printer command.
 The strings surrounded with [ ] are optional.

A sample file called **ESCSEQ.DEF** is contained in the supplied disk.   You can try to use the followings by copying this file into your WINDOWS/SYSTEM directory of your system.

Sample data definition.

DEFSTART	; Start of definition
TITLE "Every Page"	; This string appears in the Insert Command Combo Box
PAGEALL "Oct.1"	; The string "Oct. 1" is inserted at the beginning of every page. The string to be inserted should be surrounded with double quotes.
DEFEND	; End of definition
DEFSTART	; Start of definition
TITLE "Insert File 1"	
	; This string appears in the Insert Command Combo Box.

PAGEEND1 "ESC *p100x100Y"#c:\windows\aaaaa.prn#

; 'ESC *p100x100Y' (These commands specify the vertical and horizontal position) and file c:windows\zigzag.prn is inserted at the end of the first page. The command string should be

surrounded with double quotes and the file to be inserted should be surrounded with # marks.

DEFEND   ; End of definition

NOTE: The data is surrounded by '""' and must be entered correctly. The data entered is not validated until it reaches the printer.   If the command sequence is too long and you store that command sequence into a file, you can insert that file by surrounding the name of the file by ##.

Please consult your Brother dealer for valid commands.

TrueType Mode

TrueType fonts may be sent to your printer in one of two ways:-

Download as Bitmap font
Print as Graphics

The default setting is Download as Bitmap font.   This setting is suitable for a normal text documents.   If the MEMORY FULL error occurs or the printout is different from your document on screen,   try setting this mode to Print as Graphics.

Sleep Mode Setting

The Brother HL-600 Series printer goes into sleep mode automatically when the printer has not received any data or there has not been any key operation for a specified time.   In sleep mode,   the printer is set into a power saving mode.

In the Sleep mode setting box,   you can set the time-out value from 1 to 99 minutes.   If the printer has not received any data or there has not been any key operation for your specified time,   it goes into sleep mode.

Show Status Window

This reports the job title,   page number and printer status (ONLINE and any errors that occur on the printer) during printing.

If you do not need the Status Window and would like speed up your print job, set the Show Status Window to OFF.
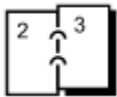
Manual Duplex

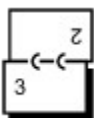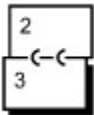When you want to print on both sides of the paper, use this function.

Duplex Type;
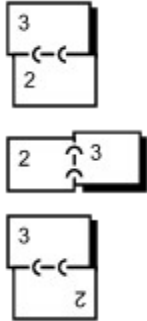6 types of duplex binding direction are available for each orientation - Portrait or Landscape.
Refer to the figures below.

[Portrait]
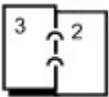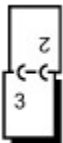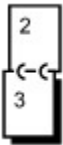
[Landscape]

Binding Offset;

If you check the **Binding Offset** option, you can also specify the offset value of the binding side in inches or millimetres.

If you select Manual duplex,   the printer prints all the even numbered pages of your document first and then the driver instructs you to reinsert the pages into the printer with the correct paper direction.   If you set Long edge binding,   put the paper in the tray face-up, with the   top edge of the paper downwards.   The printer feeds the re-inserted pages and prints all the odd numbered pages.

NOTE: If printing to FILE, the manual duplex setting should be off. The file will not be printed in the correct order.

NOTE: When printing a duplex print job,   your computer hard disk must have enough unused space available to store the entire print file.