



Brother
Web-Based Basic Color
Calibration

USER'S GUIDE

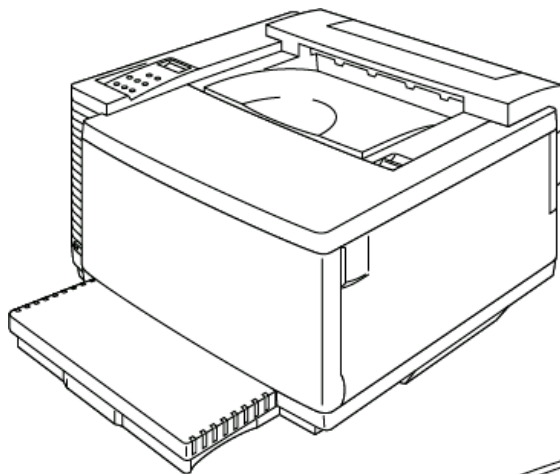


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INTRODUCTION

Color accuracy is affected by many factors such as operating environment, life of consumables, paper, computer OS and applications. Brother's BR-Script driver offers the most accurate color output for both Windows® and Macintosh® users. Brother web based color calibration is designed to work with the BR-Script Driver to achieve the best color output for your printing environment.

If your printer is not printing colors in the way you expect it to do, you may find that re-calibrating the printer to your particular environment will improve the overall color fidelity of the machine.

This manual explains how to use Brother web based color calibration to achieve the best printing output on the Brother HL-2600CN and HL-3450CN printers.

REQUIREMENTS

To use Brother web based color calibration you must have the following:

- The printer connected via the Ethernet port
- The TCP/IP address of the printer (if you do not know the TCP/IP address for the printer, please contact your system administrator).
- A computer with access to the network and web browser software
- The BR-Script printer driver installed on your computer.

Recommended Calibration Paper

For the most accurate color output we recommend using one of the following paper types for calibration:

- Neusiedler® Color Copy 90 g/m²
- Hammermill® Laser Print 24lb

OPERATION

Accessing the Color Calibration Home Page

To access the color calibration home page enter the following URL in your browser software.

http://***.***.***.***/printer/calset.html *

* “***.***.***.***” is the TCP/IP address of the printer.

Color Calibration Menu Screen

The color calibration menu screen has four selections available:

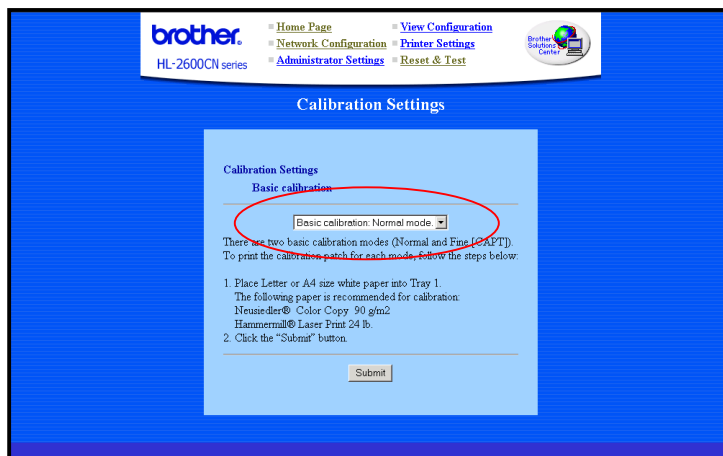
- **Basic Calibration** - This selection is for accessing the general color calibration procedure. For most environments this is all the calibration that will be necessary. This manual covers the steps necessary for Basic Calibration.
- **Print the advanced calibration patch** – The calibration patch is for advanced calibration and requires measurement of color patches with a Colorimeter. An authorized Brother technician should perform this calibration. See <http://solutions.brother.com/hl2600cn/faq/calibration.html> (HL-2600CN) <http://solutions.brother.com/hl3450cn/faq/calibration.html> (HL-3450CN) for details about Advanced Calibration.
- **Print calibration parameters** – This selection will print a list of the stored calibration settings for each color. This list should be printed and saved for future reference.
- **Factory reset** – This selection resets all color calibration settings back to default settings.

BASIC CALIBRATION

Selecting the Basic Calibration Mode

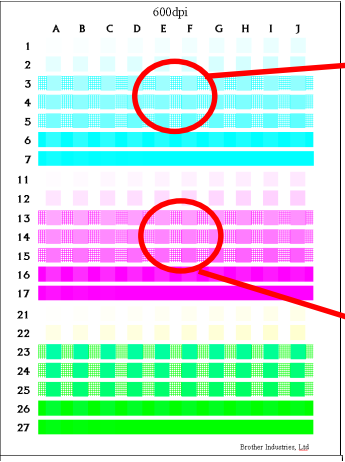
There are two Basic Calibration modes, one for Normal quality and the other for Fine (CAPT) quality. The Basic Calibration modes are selected from the pull-down window. After you complete the calibration steps for Normal mode repeat the calibration steps for Fine (CAPT) mode.

1. Select the Basic calibration mode.

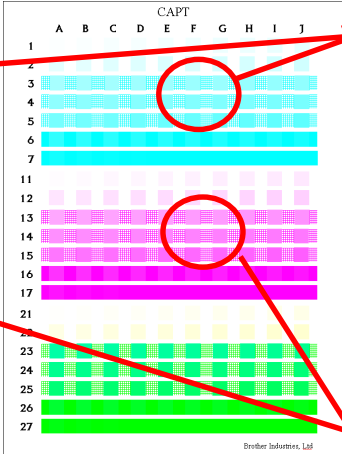


- Click the **Submit** button.
The Calibration sheet will print (as shown below).

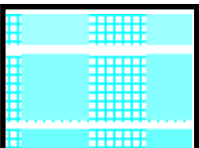
Calibration Sheets



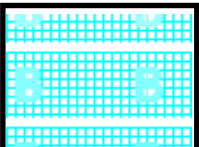
Norm



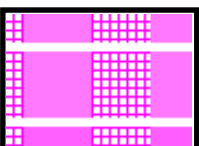
Fine (CAPT)



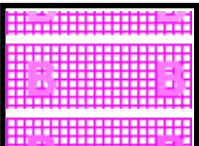
For HL-2600CN



For HL-3450CN



For HL-2600CN

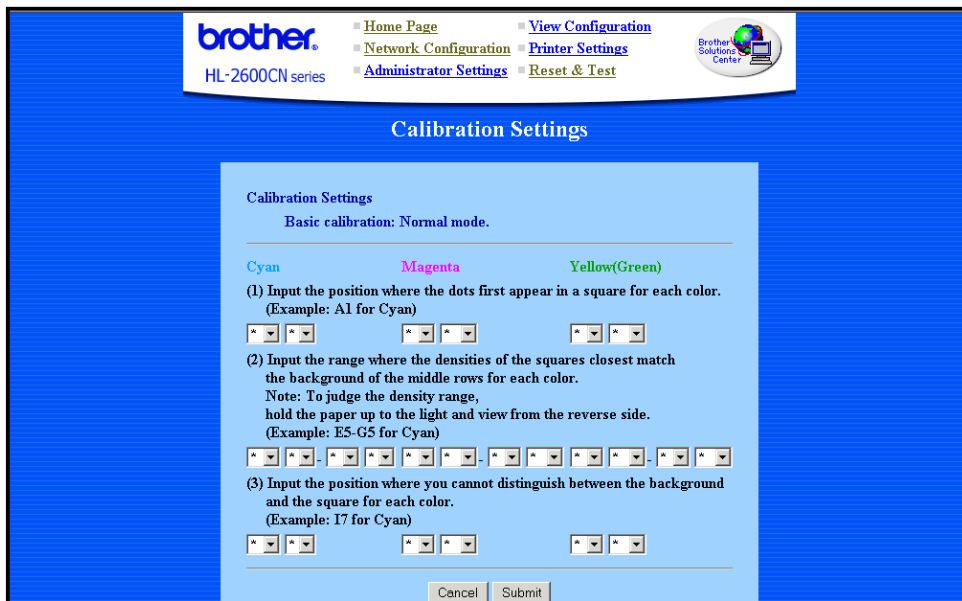


For HL-3450CN

Note: For HL-3450CN
Load A4 paper Short Edge, into Tray1.

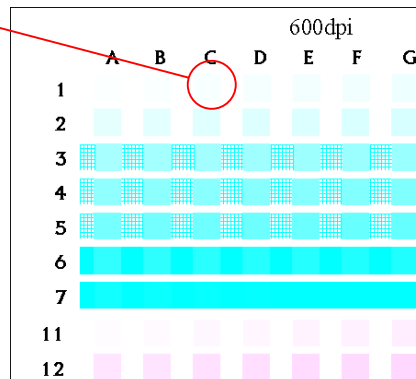
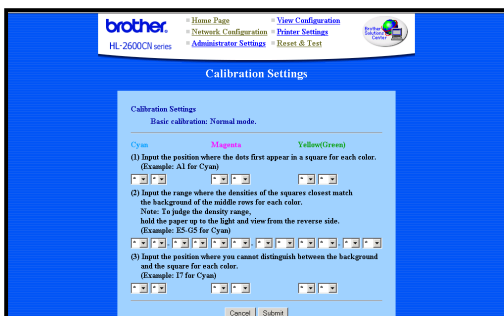
Entering the Basic Calibration Settings

Using the Calibration Sheet, enter the values for Steps 1 through to 3.



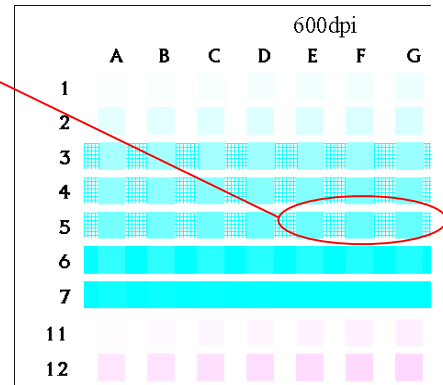
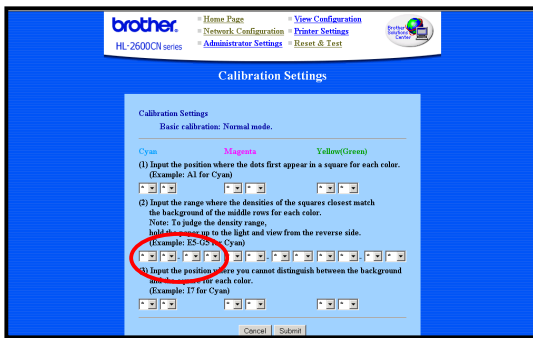
1. Enter the column and row position for where dots first start to appear in a square for each of the colors (Cyan, Magenta, Yellow [Green]).

For example: C1 for Cyan



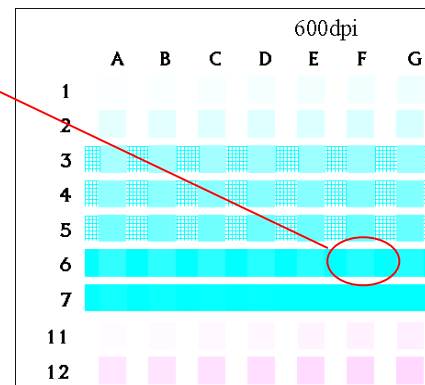
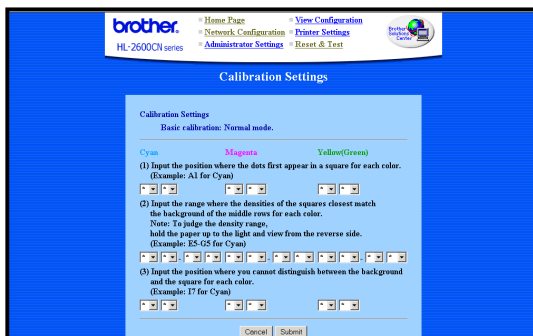
- Enter the range where the densities of the squares most closely match the background density of the middle rows. You may find that it is easier to judge the density match by holding the paper up to the light and viewing from the reverse side.

For example: E5-G5 for Cyan



- For each of the colors (Cyan, Magenta, Yellow [Green]), enter the column and row position for where you cannot distinguish between the background and the square

For example: F6 for Cyan



- After you enter all the values for each color, click **Submit** to accept the settings.

PRINT THE ADVANCED CALIBRATION PATCH

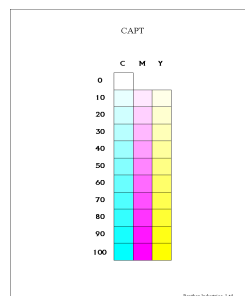
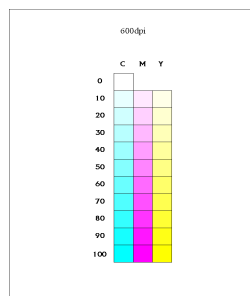
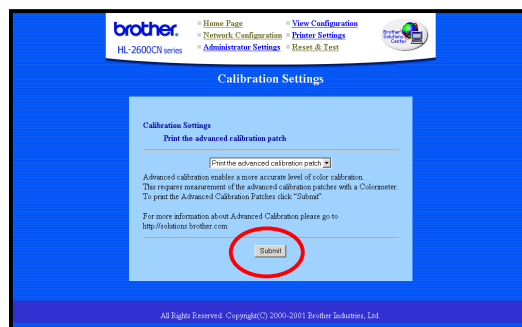
The calibration patch is for advanced calibration and special device called a Colorimeter. An authorized Brother technician should perform this calibration. See <http://solutions.brother.com/hl2600cn/faq/calibration.html> (HL-2600CN) <http://solutions.brother.com/hl3450cn/faq/calibration.html> (HL-3450CN) for details about Advanced Calibration.

To print the color patches:

1. Click on Print the advanced calibration patch.



2. Click **Submit** on the Print the advanced calibration patch screen. The calibration patches for 600dpi and CAPT will print.



Note: For HL-3450CN
Load A4 paper Short Edge, into Tray1.

3. Contact to the Service Center.
The service center will create the calibration parameter based upon the printed Patch; the service center will then send you the calibration parameter. Save the calibration parameter data to the printer following step 4.

4. How to register the calibration table.

The data sent from the service center will be in the form of:

- **‘*.PS’ file**
This file will save the calibration parameter to the printer using the common data sending method.
- **‘*.LUT’ file**
This file will save the calibration parameter to the printer and PC, using the ‘Brother Calibrator’.

Using the browser

- (1) Input the following URL in your browser.
ftp://**.**.**.** (**.**.**.** = printer IP address)
- (2) Drag and drop the ‘*.PS’ file into your browser.
Note: There might be a browser (depending on kind/ version) where this cannot be done, if this is the case, try one of the methods below:

Using FTP client

- (1) Run the FTP client and connect to the printer.

Note: If it takes a long time to connect, change the Host Type setting to UNIX (standard).

- (2) Make the file sending mode, binary.
- (3) Send (Put) the ‘*.PS’ file.

When using Windows Standard FTP client

- 1) Run DOS (command) prompt
- 2) C>ftp : run FTP client
- 3) ftp>open IP : input the IP address and connect to the printer
- 4) ftp>binary : make the file sending mode, binary
- 5) ftp>put *.ps : send ‘*.ps’ file
- 6) ftp>quit : close FTP client

Using Apple Printer Utility of Macintosh

- (1) Run 'Apple Printer Utility'.
- (2) Select connected printer with 'Printer Selector' and then 'Open'.
- (3) Select 'Send PostScript File.' in Utility menu.
- (4) Select '*.PS' file and 'Add'.
- (5) Click 'Send' to send the data to the printer.

PRINT CALIBRATION PARAMETERS

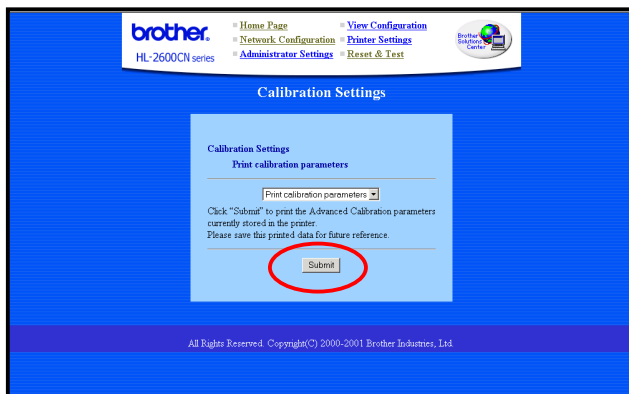
The print calibration function will print a list of the stored calibration settings for each color. This list should be printed and saved for future reference. It is also used for advanced calibration.

To print the calibration parameters:

1. Click on Print calibration parameters.



2. Click **Submit** on the Calibration Settings screen. The Calibration Settings will print.



600dpi			
	C	M	Y
0	0	0	0
10	10	10	10
20	20	20	20
30	30	30	30
40	40	40	40
50	50	50	50
60	60	60	60
70	70	70	70
90	90	90	90
100	100	100	100

CAPT			
	C	M	Y
0	0	0	0
10	10	10	10
20	20	20	20
30	30	30	30
40	40	40	40
50	50	50	50
60	60	60	60
70	70	70	70
90	90	90	90
100	100	100	100

Calibration Settings

FACTORY RESET

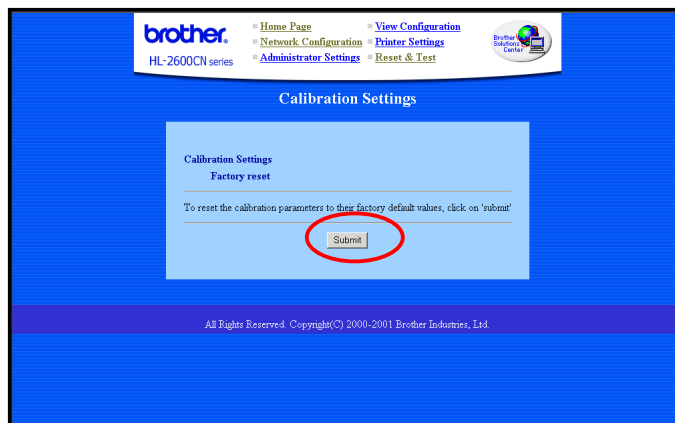
The factory reset selection resets all color calibration settings back to the default settings that were preset at the factory.

To reset the color calibration settings:

1. Click Factory reset.



2. Click **Submit** on the Factory reset screen. All color calibration settings will be reset.



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