

How do I configure the wireless printer with the temporary use of a network cable and install the printer driver in Windows®?

NOTE: For successful wireless setup, you will need to have a network cable for a temporary connection to your wireless router or access point, and you must know your network settings.

STEP I: Gather the wireless network settings of your wireless access point or wireless router

The network settings information for your network can be found on the network configuration sheet of your wireless access point or wireless router. Please contact the manufacturer of your wireless access point or wireless router or refer to the user's guide for your wireless access point or wireless router for instructions on printing a network configuration sheet.

This information includes:

- SSID (Service Set ID or Network Name). Your access point or router is identified by an SSID or network name.
- Encryption Method required by your access point or router. For example, Open System, Shared Key, WPA-PSK, LEAP, etc.
- If you are using WEP, you will need the WEP KEY (in HEX key format). For example, a 64-bit key uses 10 digits of hexadecimal data: i.e. 71f2234aba, while a 128-bit key uses 26 digits of hexadecimal data: i.e. 71f2234ab56cd709e5412aa3ba.
- If you are using WPA-PSK (TKIP), you will need the PASSPHRASE. For routers that use a Pre-Shared Key (PSK), the PASSPHRASE is more than 7 characters and less than 64 characters in length.
- If you are using MAC (Media Access Control) Filtering/MAC Address Access Control on your router, add the printer's MAC Address to the table. The MAC Address is available on the Wireless Settings Page. Make sure the Node Type is Brother NC-7600w.

NOTE: If you do not have this network settings information, or cannot find this information, you cannot successfully complete the wireless setup for this printer. Contact the manufacturer of your wireless access point or wireless router for this network information.

STEP II: Perform a factory reset on the printer and printer network card

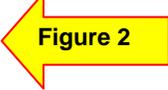
- Check that the front cover of the printer is closed. Turn OFF the power switch on the right side of the printer.
- Press and hold the GO button, and keep holding it down, as you turn on the power switch. The GO button is located on the top left side of the printer below the LEDs.
- Keep the GO button pressed down until all the LEDs light up and the Status LED turns off. Release the GO button. Make sure that all the LEDs turn off.
- Press the GO button 10 times. The Status LED will flash while the printer is reset. After the printer is reset the Status LED will be lit.

STEP III: Connect the printer via network cable and configure the wireless network card

- Connect a network cable to the Ethernet port on the back of the Brother printer (bottom port ONLY) and connect the other end of the cable directly to an available port on the wireless access point, wireless hub, or wireless router. Wait 1 minute.
- Print out the printer settings pages by pressing the Go button on the printer 3 times. Check the last page. The text to the right of 10/100BASE-TX in the Node Type section will indicate that the wired network card is active or inactive (Figure 1). If this Node Type section shows Inactive, move the network cable to a different port on your wireless access point, wireless hub or wireless router. Wait 1 minute and press GO 3 times, check the last page again to verify it is now Active. Locate the printer IP address (Figure 2).

Make sure that the IP address of the printer is in the same range (on the same network) as the IP address of the computer.

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PRINTER SETTINGS(3/4)  
HL-5370DW series SER.No:493116933  
  
<NETWORK CONFIGURATION>  
<Node Type> Brother NC-6600E, Ethernet 10/100BASE-TX (Active)  
<Node Firmware Ver.> Firmware Ver.:v1 (08.1a.1z)  
<MAC Address> 00-1b-a9-04-7c-21  
<Node Name> WND01BA9047C21  
  
<Active services> SSMTP1BA9047C21  
BINMNT_P1  
TKAT_P1  
PCOVSCHIPP_P1  
PCL_P1  
WIND01BA9047C21_AT  
  
<Protocols>  
TCP/IP Enabled IPv6 Disabled  
NetBIOS/TP Enabled AP/PA Enabled  
Legacy/usb Enabled WebBasedManagement Enabled  
Telnet Enabled SNMP Enabled  
LTP Enabled Raw Port Enabled  
IPP Enabled WebServices Enabled  
POP3/SNMP Enabled FTP Enabled  
TFTP Enabled WSD Enabled  
LJLPR Enabled LSTD Disabled  
  
<IP Settings>  
IP Address 205.134.46.50 (set manually)  
Subnet Mask 255.255.255.0  
IP Gateway 205.134.46.254  
Boot Method STATIC  
Boot Tries 3  
IP Filter Disabled  
  
<DNS Address Config> AUTO  
Primary DNS Server 205.134.46.230  
Secondary DNS Server 205.134.32.133  
  
<WINS Name> SSMTP1BA9047C21  
<WINS Address Config> AUTO  
Primary WINS Server 205.134.46.230  
Secondary WINS Server 205.134.32.133  
  
<Printer Mail Address> brn001ba9047c21@example.com  
<SMTP Server> 0.0.0.0  
<SMTP Port> 25  
<POP3 Server> 0.0.0.0  
<POP3 Port> 110  
  
<DNS Service Name> Brother HL-5370EW series  
<WebServices Name> Brother HL-5370EW series [001ba9047c21]  
  
<Certificate>  
Status None  
  
<SNMP Settings>  
Communication Mode v1/v2c(BW)  
  
<Ethernet Link Mode> Auto  
<Ethernet Link Status> Link OK, 100baseTX FDX #Link drops=0  
  
<Network Statistics>  
Packets Received 3354  
Bad Packets Received 0  
Receiver overruns 0  
Packets Transmitted 931  
Transmit packet fail 0  
Packet Collisions 0
```



To determine the computer's IP address:

Windows Vista/Windows 7

- Click WINDOWS/START. Type CMD on the Start Search line and press enter. A black DOS screen will appear.
- Type IPCONFIG /all and press enter.
- You may see more than one Local Connection listed. Look for a Local Area Connection with a description of the network card indicating WIRELESS LAN ADAPTER. WIRELESS NETWORK CONNECTION

- d. Locate the IP Address line (Autoconfiguration IPv4 Address). This number should be similar to the IP Address of the printer. The printer's IP Address can be found on the Settings Pages you printed out previously. The first two sets of numbers should be the same.
For example:
Computer IP Address is: 205.134.x.x
Printer IP Address is: 205.134.x.x

Windows XP

- a. Click on START, and select RUN. Type in CMD and press ENTER. A black DOS screen will appear.
- b. Type IPCONFIG /all and press enter.
- c. You may see more than one Local Connection listed. Look for a Local Area Connection with a description of the network card indicating WIRELESS.
- d. Locate the IP Address. This number should be similar to the IP Address of the printer. The printer's IP Address can be found on the Settings Pages you printed out previously. The first two sets of numbers should be the same.
For example:
Computer IP Address is: 205.134.x.x
Printer IP Address is: 205.134.x.x

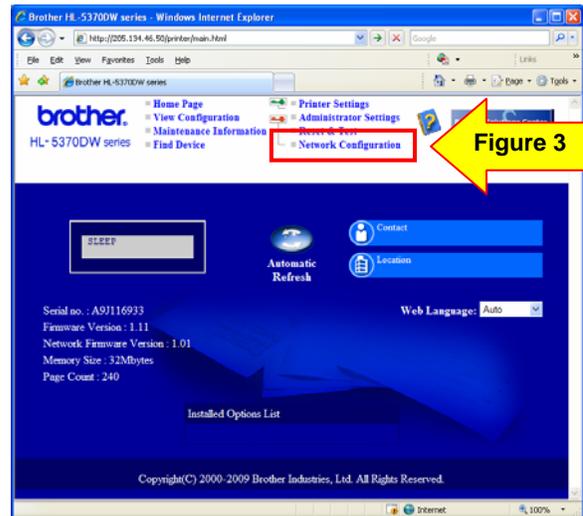
NOTE: If these numbers are not similar (not in the same range), return to [Step II](#) to perform a factory reset on the printer and printer network card. After the reset, wait one minute, and then press the GO button 3 times to print the settings pages. Review the last page for the printer IP address again. If the printer IP address is not similar to the computer IP address, do NOT proceed with wireless setup. Call Brother Customer Service at 1-877-BROTHER (1-877-276-8437) for assistance.

Configure the Wireless Network Card

1. If the IP Address of the computer and the IP Address of the printer are in the same range, open a web browser.
2. Enter the IP Address of the printer into the web browser screen and press ENTER. The Brother Web Management screen will appear.



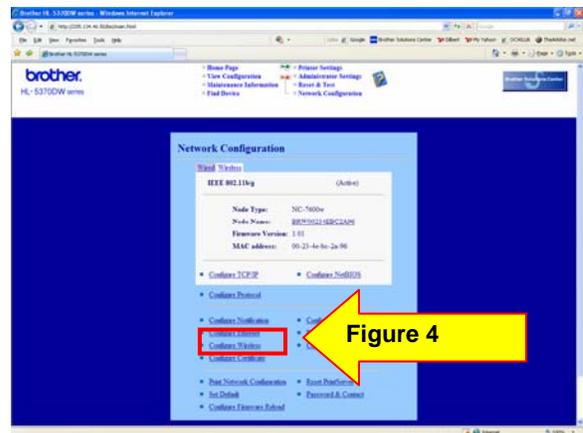
3. Click on Network Configuration near the top of the screen. (Figure 3).



4. A login screen will appear. Enter the following:
Username: admin. Password: access. Then click OK.

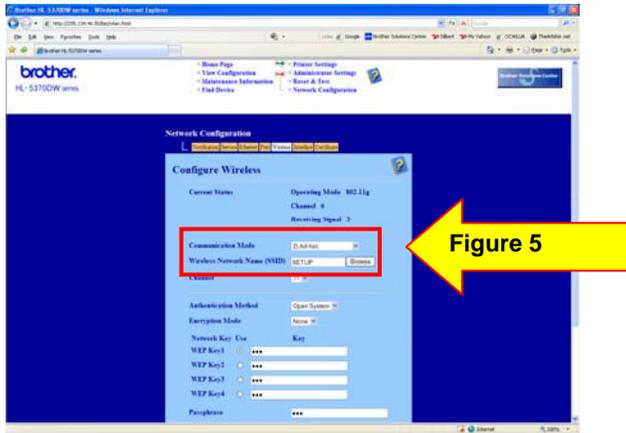


5. Click Configure Wireless (Figure 4).

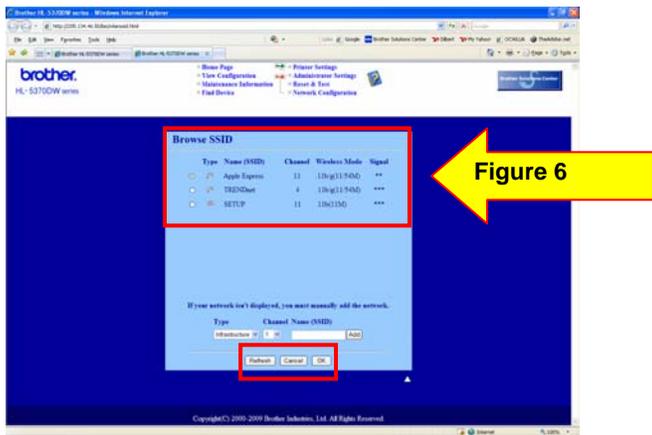


6. Change the Communication Mode to Infrastructure (Figure 5).

- Click BROWSE next to the Wireless Network Name (SSID) (Figure 5). For the SSID, refer to the network settings information gathered in [Step 1](#).

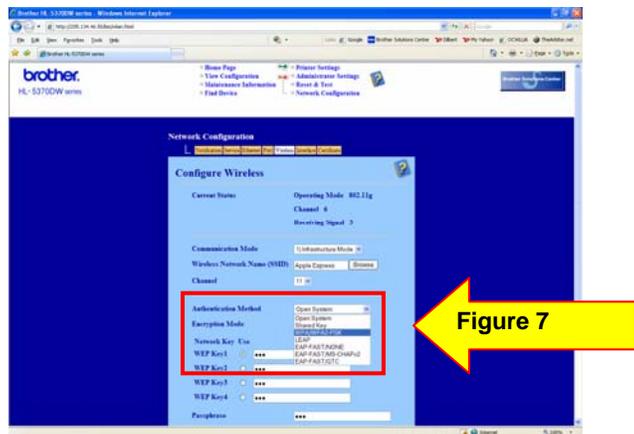


- Select the appropriate Name (SSID) from the list and click OK (Figure 6). Refer to the network settings information gathered in [Step 1](#).

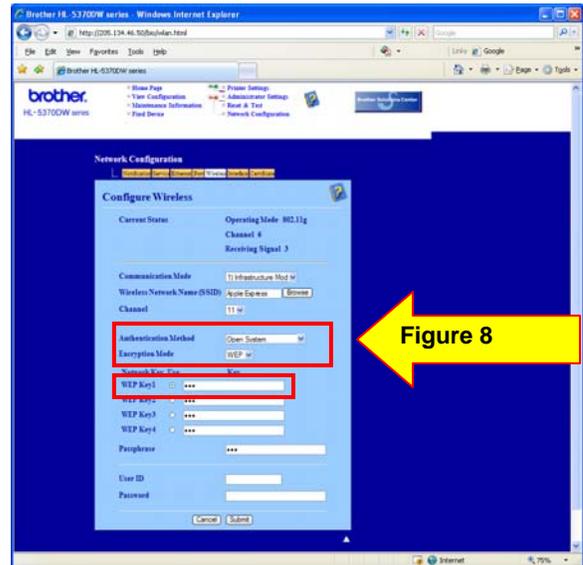


- Leave the Channel setting as is.

- Select the appropriate Authentication Method from the drop down list (Figure 7). Refer to the network settings information gathered in [Step 1](#).

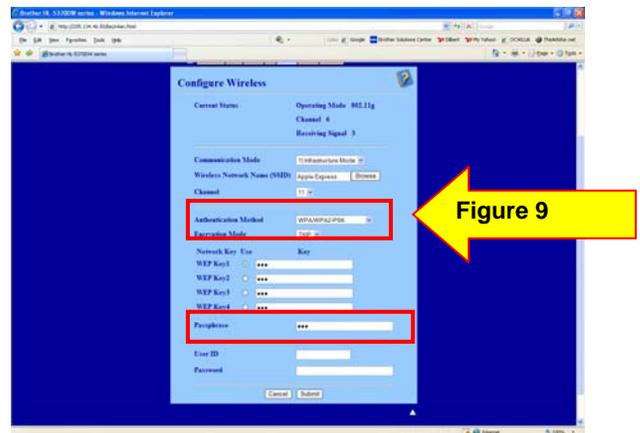


- Select the appropriate Encryption Method (Figure 8). Refer to the network settings information gathered in Step 1.

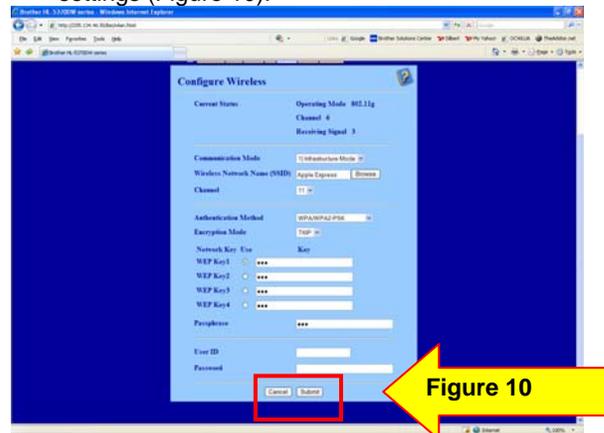


NOTE: If WEP is selected as the Encryption Method, enter the hex code for the WEP Key 1. There is no need to enter the Passphrase for WEP Encryption.

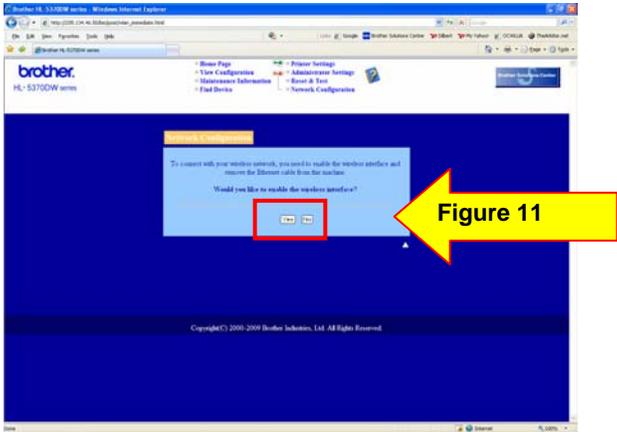
NOTE: If an Authentication Method other than Open or Shared is selected, then a Passphrase must be entered on the Passphrase line (Figure 9).



- Click Submit to update the printer with your wireless settings (Figure 10).



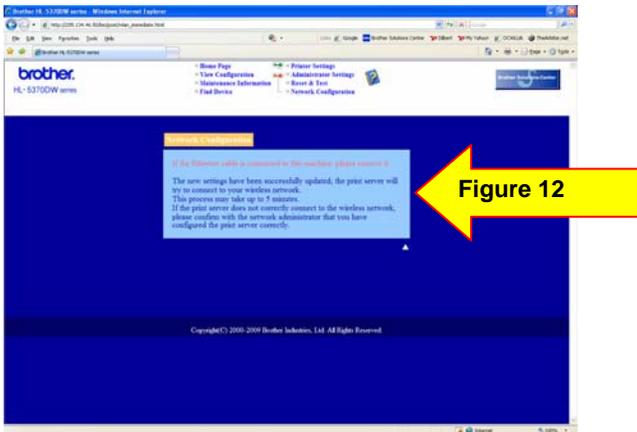
13. You will be prompted to enable the wireless interface. Click Yes (Figure 11).



14. The computer should display a screen indicating the settings have been updated successfully and a reminder to disconnect the network cable from the back of the printer (Figure 12). BE SURE to disconnect the network cable from the printer.

NOTE: 2 pages will print out. The second page is the wireless settings page. The Node Type will display the network card as Inactive if the network cable is still connected. Once you disconnect the cable, the Wireless interface will become active.

NOTE: The IP Address will be 0.0.0.0. This is expected. Continue with the next step.



15. The Wireless Network Card on the printer is now Active on the network.

16. Verify the printer is now attached to the wireless access point or wireless router.

- a. Wait approximately one minute.
- b. Press the GO button 3 times to print the settings pages.

NOTE: 4 Pages should print out. If only 3 pages print out, verify the Node Type on the last page. If the Node Type is NOT NC-7400W, the wireless interface is not enabled. To enable the wireless interface, press and hold down the GO button until a page prints out. It should take about 20 seconds.

- c. Look at the last page printed. Confirm that the IP address on that page is assigned via DHCP (Figure 13).
- d. Confirm the Comm. Mode is set to Infrastructure, the Name (SSID) matches your access point or router and the Wireless Link Status is Link OK. (Figure 14)

NOTE: If the IP Address is still 0.0.0.0, wait another minute and print out the settings pages again. If the IP Address is still 0.0.0.0, please reset the router by powering it off, then back on. Also, turn the printer off, then back on. Print out the Network Settings page again and verify the settings. If the IP Address is still a 0.0.0.0 number, please verify your security information and go to [STEP II](#).

If the IP Address is a 169.254.x.x number and the Wireless Link Status in LINK OK, please check your router for MAC filtering. If MAC filtering is enabled, please enter the MAC address to the list. If MAC filtering is not enable, please reset the router by powering it off, then back on. Also, turn the printer off, then back on. Print out the Network Settings page again and verify the settings. If the IP Address is still a 169.254.x.x number, please verify your security information and go to [STEP II](#).

If the IP Address is a 169.254.x.x number and the Wireless Link Status in FAILED TO ASSOCIATE, please reset the router by powering it off, then back on. Also, turn the printer off, then back on. Print out the Network Settings page again and verify the settings. If the IP Address is still a 169.254.x.x number, please verify your security information and go to [STEP II](#).

PRINTER SETTINGS(4/4)

HL-5370DW series SER.NO:A90116933

```
<<NETWORK CONFIGURATION>>
<Node Type> Brother NC-7600w, IEEE 802.11b/g (Active)
<Node Firmware Ver.> Firmware Ver.1.01 (08.12.12)
<MAC Address> 00:13:4e:8c:2a:96
<Node Print> 000002180C2A96

<Active Services>
BRND01BA9047C21
BINARY_P1
TEXT_BT
POSTSCRIPT_P1
SCL_P1
BRND01BA9047C21_AT

<Protocols>
TCP/IP Enabled IPv6 Disabled
NetBIOS/IP Enabled AFP/A Enabled
LegacyAuth Enabled WebBase@Management Enabled
Telnet Enabled SNMP Enabled
LFD Enabled Raw Port Enabled
IPF Enabled WebServices Enabled
KOP/SMP Enabled FTP Enabled
TFTP Enabled eDNS Enabled
LMB Enabled UPnP Disabled

<IP Settings>
IP Address 205.134.46.50 (VIA DHCP)
IP Gateway 205.134.46.254
Boot Method AUTO
Boot Times 3
IP Filter Disabled

ON Timeout (sec) 5
DNS Address Config AUTO
Primary DNS Server 205.134.46.230
Secondary DNS Server 205.134.32.133

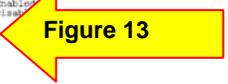
<NetBIOS Name> BRND023480C2A96
<WINS Address Config> AUTO
<Primary WINS Server> 205.134.46.230
<Secondary WINS Server> 205.134.32.133

<Printer Mail Address> brn001ba9047c21@example.com
<SMTP Server> 0.0.0.0
<SMTP Port> 25
<POP Server> 0.0.0.0
<POP Port> 110

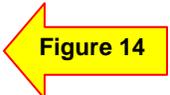
<DNS Service Name> Brother HL-5370DW series
<WebServices Name> Brother HL-5370DW series [002348c2a96]

<Certificate>
Status None

<SNMP Settings>
Community mode v1/v2c(EN)
```



```
<Comm. Mode> Infrastructure
<Name (SSID)> BrotherIP
<Authentication Mode> WPA/WPA2-PSK
<Encryption Mode> TKIP
<Wireless Link Status> Link OK, 11q[48Mbps], Receiving Signal = 3, Operating Ch = 6
<Tx Power Code> Full, 1, 0
```



```
<Network Statistics>
Packets Received 63 <Wireless Statistics>
Bytes Received 13048 RX Frames Received OK 59
Packets Transmitted 41 TX Frames Error 0
Bytes Transmitted 11602 TX Frames Transmitted OK 46
TX Frames Error 0
```

The printer is now configured and is operating on your network.

Driver Installation

If you have the Brother software CD, please insert it and follow the directions to install the DRIVER ONLY.

If you do not have the Brother software CD, please [click here](#) to download and install the driver.