Multi-Protocol On-board Ethernet Multi-function Print Server and Wireless (IEEE 802.11b/g) Ethernet Multi-function Print Server

NETWORK USER’S GUIDE

Please read this manual thoroughly before using this machine on your network. You can print or view this manual from the Documentation CD-ROM at any time, please keep the Documentation CD-ROM in a convenient place for quick and easy reference at all times.

The Brother Solutions Center (http://solutions.brother.com/) is your one stop resource for all your printing needs. Download the latest drivers and utilities for your machine, read FAQs and troubleshooting tips or learn about special printing solutions.
Definitions of warnings, cautions, and notes

We use the following icon throughout this User’s Guide:

Notes tell you how you should respond to a situation that may arise or give tips about how the operation works with other features.

Compilation and publication notice

Under the supervision of Brother Industries, Ltd., this manual has been compiled and published, covering the latest product’s descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

©2010 Brother Industries, Ltd.

IMPORTANT NOTE

- This product is approved for use in the country of purchase only. Do not use this product outside the country of purchase as it may violate the wireless telecommunication and power regulations of that country.


Brother numbers

**IMPORTANT**
For technical and operational assistance, you must call the country where you purchased the machine. Calls must be made *from within* that country.

For Customer Service

In USA  
1-877-BROTHER (1-877-276-8437)  
1-901-379-1215 (FAX)

In Canada  
1-877-BROTHER  
514-685-4898 (FAX)

In Europe  
Visit [http://www.brother.com](http://www.brother.com) for contact information on your local Brother office.

- Service center locator (USA)  
  For the location of a Brother authorized service center, call 1-877-BROTHER (1-877-276-8437).

- Service center locations (Canada)  
  For the location of a Brother authorized service center, call 1-877-BROTHER.

If you have any comments or suggestions, please write to us at:

<table>
<thead>
<tr>
<th>Location</th>
<th>Contact Information</th>
</tr>
</thead>
</table>
| In USA          | Customer Support  
                    Brother International Corporation  
                    100 Somerset Corporate Boulevard  
                    Bridgewater NJ 08807-0911          |
| In Canada       | Brother International Corporation (Canada), Ltd.  
                    Marketing Dept.  
                    1, rue Hôtel de Ville  
                    Dollard-des-Ormeaux, PQ, Canada H9B 3H6 |
| In Europe       | European Product & Service Support  
                    1 Tame Street  
                    Audenshaw  
                    Manchester, M34 5JE, UK              |

Internet address

Brother Global Web Site: [http://www.brother.com](http://www.brother.com)

For Frequently Asked Questions (FAQs), Product Support, Driver Updates and Utilities:  
Ordering accessories and supplies

In USA: 1-877-552-MALL (1-877-552-6255)
         1-800-947-1445 (fax)

[http://www.brothermall.com]

In Canada: 1-877-BROTHER

[http://www.brother.ca]
# Table of Contents

1. **Introduction**
   - Overview........................................................................................................... 1
   - Network features................................................................................................. 2
     - Network printing.......................................................................................... 2
     - Network scanning......................................................................................... 2
     - Network PC-FAX (Not available for DCP models)....................................... 2
     - Network PhotoCapture Center™................................................................. 2
     - Management utilities.................................................................................... 2
   - Types of Network Connections........................................................................ 4
     - Wired network connection example.......................................................... 4
     - Wireless network connection examples.................................................... 6
   - Protocols............................................................................................................ 7
     - TCP/IP protocols and functions................................................................. 7
     - Other Protocol.............................................................................................. 8
   - Overview........................................................................................................... 9
   - Changing the print server settings.................................................................... 15
   - Setting up the IP address and subnet mask.................................................... 9
     - IP address..................................................................................................... 9
     - Subnet mask.................................................................................................. 10
     - Gateway (and router).................................................................................... 10
   - Step by step chart............................................................................................ 11
   - Using the BRAdmin Professional 3 utility to change the wireless settings (Windows®)... 15
   - Using the BRAdmin Light utility to change the print server settings.................. 12
   - Using the control panel to configure your machine as a network printer........... 12
   - Using other methods to configure your machine for a network...................... 14
   - Changing the print server settings.................................................................. 15
   - Using the BRAdmin Light utility to change the print server settings.................. 15
   - Using the BRAdmin Professional 3 utility to change the wireless settings (Windows®)... 15
   - Using the Remote Setup to change the print server settings............................. 15
     (MFC-J615W and MFC-J630W only) (Not available for Windows Server® 2003/2008)........ 17
   - Using the control panel to change the print server settings............................. 17

2. **Configuring your machine for a network with an Ethernet cable connection**
   (DCP-J715W, MFC-J615W and MFC-J630W only)............................................. 9
   - Overview........................................................................................................... 9
   - IP addresses, subnet masks and gateways...................................................... 9
     - IP address..................................................................................................... 9
     - Subnet mask.................................................................................................. 10
     - Gateway (and router).................................................................................... 10
   - Step by step chart............................................................................................ 11
   - Setting up the IP address and subnet mask.................................................... 12
     - Using the BRAdmin Light utility to configure your machine as a network printer.... 12
     - Using the control panel to configure your machine for a network................... 14
     - Using other methods to configure your machine for a network...................... 14
   - Changing the print server settings.................................................................. 15
     - Using the BRAdmin Light utility to change the print server settings.................. 15
     - Using the BRAdmin Professional 3 utility to change the wireless settings (Windows®)... 15
     - Using the Remote Setup to change the print server settings............................. 15
       (MFC-J615W and MFC-J630W only) (Not available for Windows Server® 2003/2008)........ 17
     - Using the control panel to change the print server settings............................. 17

3. **Configuring your machine for a wireless network**........................................ 18
   - Overview........................................................................................................... 18
   - Wireless network terms and concepts............................................................ 19
     - SSID (Service Set Identifier) and channels................................................. 19
     - Authentication and encryption..................................................................... 19
   - Step by step chart for wireless network configuration.................................... 21
     - For Infrastructure mode............................................................................. 21
     - For Ad-hoc mode......................................................................................... 22
   - Confirm your network environment.................................................................. 23
     - Connected to a computer with an access point in the network (Infrastructure mode).... 23
     - Connected to a wireless capable computer without an access point in the network
       (Ad-hoc mode)............................................................................................ 23
## Confirm your wireless network setup method
- Configuration using the machine’s control panel Setup Wizard to configure your wireless network machine .......................................................... 24
- Configuration using the WPS/AOSS™ control panel menu (Infrastructure mode only) .......................................................... 24
- Configuration using the PIN Method of Wi-Fi Protected Setup (Infrastructure mode only) .......................................................... 24
- Configuration using the Brother installer application on the installation CD-ROM to configure your wireless network machine .......................................................... 24

## Configuring your machine for a wireless network
- Using the Setup Wizard from the control panel .......................................................... 27
- Using WPS or AOSS™ from the control panel menu to configure your machine for a wireless network .......................................................... 32
- Using the PIN Method of Wi-Fi Protected Setup .......................................................... 34
- Using the Brother automatic installer application on the installation CD-ROM to configure your machine for a wireless network .......................................................... 36

## 4 Wireless configuration using the Brother installer application
- Configuration in Infrastructure mode .......................................................... 37
  - Before configuring the wireless settings .......................................................... 37
  - Configure the wireless settings .......................................................... 38
- Configuration using WPS or AOSS™ from the control panel menu (Automatic wireless mode) .......................................................... 48
  - Before configuring the wireless settings .......................................................... 48
  - Configure the wireless settings .......................................................... 48
- Configuration in Ad-hoc Mode .......................................................... 54
  - Before configuring the wireless settings .......................................................... 54
  - Configure the wireless settings .......................................................... 54

## 5 Control panel setup
- Network menu .......................................................... 65
- TCP/IP ........................................................................... 65
- Setup Wizard .......................................................... 72
- WPS/AOSS™ .......................................................... 72
- WPS w/PIN code .......................................................... 72
- WLAN Status .......................................................... 73
- Ethernet (DCP-J715W, MFC-J615W and MFC-J630W only) .......................................................... 75
- MAC Address .......................................................... 75
- Network I/F (For DCP-J715W, MFC-J615W and MFC-J630W) .......................................................... 76
- WLAN Enable (For DCP-J315W, DCP-J515W, MFC-J265W and MFC-J415W) .......................................................... 76
- Restoring the network settings to factory default .......................................................... 77
- Printing the Network Configuration List .......................................................... 78
- Printing the WLAN Report .......................................................... 79

## 6 Driver Deployment Wizard (Windows® only)
- Overview .......................................................... 80
- Connection methods .......................................................... 80
  - Peer-to-Peer .......................................................... 80
  - Network Shared .......................................................... 81
- How to install the Driver Deployment Wizard software .......................................................... 82
- Using the Driver Deployment Wizard software .......................................................... 83
Overview

The Brother machine can be shared on a 10/100 MB wired or IEEE 802.11b/802.11g wireless Ethernet network using the internal network print server. The print server supports various functions and methods of connection depending on the operating system you are running on a network supporting TCP/IP. These functions include printing, scanning, PC-FAX send, PC-FAX receive, PhotoCapture Center™, Remote Setup and Status Monitor. The following chart shows what network features and connections are supported by each operating system.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10/100BASE-TX wired Ethernet (TCP/IP)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>IEEE 802.11b/g wireless Ethernet (TCP/IP)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Printing</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>BRAdmin Light</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>BRAdmin Professional 3</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Web BRAdmin</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scanning</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>PC Fax Send</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>PC Fax Receive</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Remote Setup</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Status Monitor</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Driver Deployment Wizard</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

1 Not available for DCP-J315W, DCP-J515W, MFC-J265W and MFC-J415W.
2 BRAdmin Professional 3 and Web BRAdmin are available as a download from http://solutions.brother.com/
3 Not available for DCP models.
4 Not available for DCP models, MFC-J265W and MFC-J415W.
5 Black and White only.

To use the Brother machine through a network, you need to configure the print server, and set up the computers you use.
Network features

Your Brother machine has the following basic network functions.

Network printing

The print server provides printing services for Windows® 2000/XP, Windows Vista®, Windows® 7 and Windows Server® 2003/2008 supporting the TCP/IP protocols and Macintosh (Mac OS X 10.4.11 - 10.6.x) supporting TCP/IP.

Network scanning

You can scan documents over the network to your computer. (See Network Scanning in the Software User’s Guide.)

Mac OS X 10.6.x users can also scan documents using the ICA Scanner Driver. (See Scanning a document using the ICA driver (Mac OS X 10.6.x) in the Software User’s Guide.)

Network PC-FAX (Not available for DCP models)

You can directly send a PC file as a PC-FAX over your network. (See Brother PC-FAX Software for Windows® and Sending a Fax for Macintosh in the Software User’s Guide for a complete description.) Windows® users can also use PC-FAX receive 1. (See PC-FAX receiving in the Software User’s Guide.)

1 PC-Fax Receive is not supported by the MFC-J265W and MFC-J415W.

Network PhotoCapture Center™

You can view, retrieve and save data from a USB flash memory drive or a media card inserted into the Brother machine. The software is automatically installed when you choose network connection during the software installation. For Windows®, choose the PHOTOCAPTURE tab of ControlCenter3. For more information, see ControlCenter3 in the Software User’s Guide. For Macintosh, launch any web browser in which FTP is available and enter FTP://xxx.xxx.xxx.xxx (where xxx.xxx.xxx.xxx is the IP address of your Brother machine). For more information, see Remote Setup & PhotoCapture Center in the Software User’s Guide.

Management utilities

BRAdmin Light

BRAdmin Light is a utility for initial setup of network connected Brother devices. This utility can search for Brother products on your network, view the status and configure basic network settings, such as IP address. The BRAdmin Light utility is available for Windows® 2000/XP, Windows Vista®, Windows® 7 and Windows Server® 2003/2008 and Mac OS X 10.4.11 - 10.6.x computers. For Macintosh users, BRAdmin Light will be installed automatically when you install the printer driver. If you have already installed the printer driver, you don’t have to install it again.

For more information on BRAdmin Light, visit us at http://solutions.brother.com/
BRAdmin Professional 3 (Windows®)
BRAdmin Professional 3 is a utility for more advanced management of network connected Brother devices. This utility can search for Brother products on your network and view the device status from an easy to read explorer style window that changes color identifying the status of each device. You can configure network and device settings along with the ability to update device firmware from a Windows® computer on your LAN. BRAdmin Professional 3 can also log activity of brother devices on your network and export the log data in an HTML, CSV, TXT or SQL format.
For more information and downloading, visit us at http://solutions.brother.com/

Web BRAdmin (Windows®)
Web BRAdmin is a utility for managing network connected Brother devices on your LAN and WAN. This utility can search for Brother products on your network, view its status and configure the network settings. Unlike BRAdmin Professional 3, which is designed for Windows® only, Web BRAdmin is a server based utility that can be accessed from any client PC with a web browser that supports JRE (Java Runtime Environment). By installing the Web BRAdmin server utility on a PC running IIS ¹, connect to the Web BRAdmin server, which then communicates with the device itself.
For more information and downloading, visit us at http://solutions.brother.com/

¹ Internet Information Server 4.0 or Internet Information Service 5.0/5.1/6.0/7.0/7.5

Remote Setup (MFC-J615W and MFC-J630W only)
The Remote Setup software allows you to configure network settings from a Windows® PC or Macintosh (Mac OS X 10.4.11 - 10.6.x) computer. (See Remote Setup in the Software User’s Guide.)
Types of Network Connections

Wired network connection example

Peer-to-Peer printing using TCP/IP

In a Peer-to-Peer environment, each computer directly sends and receives data to each device. There is no central server controlling file access or printer sharing.

1 Switch or Router
2 Network printer (your machine)

- In a smaller network of 2 or 3 computers, we recommend the Peer-to-Peer printing method as it is easier to configure than the Network Shared Printing method. (See Network Shared Printing on page 5.)
- Each computer must use the TCP/IP Protocol.
- The Brother machine needs an appropriate IP address configuration.
- If you are using a router, the Gateway address must be configured on the computers and the Brother machine.
Network Shared Printing

In a Network Shared environment, each computer sends data via a centrally controlled computer. This type of computer is often called a “Server” or a “Print Server”. Its job is to control the printing of all print jobs.

1 Client computer
2 Also known as “Server” or “Print Server”
3 TCP/IP or USB (where available)
4 Network printer (your machine)

- In a larger network, we recommend a Network Shared printing environment.
- The “Server” or the “Print Server” must use the TCP/IP Print Protocol.
- The Brother machine needs to have an appropriate IP address configuration unless the machine is connected via the USB interface at the server.
Wireless network connection examples

Connected to a computer with an access point on the network (Infrastructure mode)

This type of network has a central access point at the heart of the network. The access point can also act as a bridge or a gateway to a wired network. When the Brother wireless machine (your machine) is part of this network, it receives all print jobs via an access point.

1 Access point
2 Wireless network printer (your machine)
3 Wireless capable computer communicating with the access point
4 Wired computer (which is not wireless capable) connected to the access point with the Ethernet cable

Connected to a wireless capable computer without an access point on the network (Ad-hoc mode)

This type of network does not have a central access point. Each wireless client communicates directly with each other. When the Brother wireless machine (your machine) is part of this network, it receives all print jobs directly from the computer sending the print data.

1 Wireless network printer (your machine)
2 Wireless capable computer
Protocols

TCP/IP protocols and functions

Protocols are the standardized sets of rules for transmitting data on a network. Protocols allow users to gain access to network connected resources.

The print server used on this Brother product supports the TCP/IP (Transmission Control Protocol/Internet Protocol) protocols.

TCP/IP is the most popular set of protocols used for communication such as Internet and E-mail. This protocol can be used in almost all operating systems such as Windows®, Windows Server®, Mac OS X and Linux®. The following TCP/IP protocols are available on this Brother product.

DHCP/BOOTP/RARP

By using the DHCP/BOOTP/RARP protocols, the IP address can be automatically configured.

**Note**

To use the DHCP/BOOTP/RARP protocols, please contact your network administrator.

APIPA

If you do not assign an IP address manually (using the control panel of the machine or the BRAdmin software) or automatically (using a DHCP/BOOTP/RARP server), the Automatic Private IP Addressing (APIPA) protocol will automatically assign an IP address from the range 169.254.1.0 to 169.254.254.255.

ARP

Address Resolution Protocol performs mapping of an IP address to MAC address in a TCP/IP network.

DNS client

The Brother print server supports the Domain Name System (DNS) client function. This function allows the print server to communicate with other devices by using its DNS name.

NetBIOS name resolution

Network Basic Input/Output System name resolution enables you to obtain the IP address of the other device using its NetBIOS name during the network connection.

WINS

Windows Internet Name Service is an information providing service for the NetBIOS name resolution by consolidating an IP address and a NetBIOS name that is in the local network.

LPR/LPD

Commonly used printing protocols on a TCP/IP network.
**Custom Raw Port (Default is Port 9100)**
Another commonly used printing protocol on a TCP/IP network.

**mDNS**

mDNS allows the Brother print server to automatically configure itself to work in a Mac OS X Simple Network Configured system. (Mac OS X 10.4.11 - 10.6.x)

**SNMP**

The Simple Network Management Protocol (SNMP) is used to manage network devices including computers, routers and Brother network ready machines.

**LLMNR**

The Link-Local Multicast Name Resolution protocol (LLMNR) resolves the names of neighboring computers, if the network does not have a Domain Name System (DNS) server. The LLMNR Responder function works when using a computer that has the LLMNR Sender function such as Windows Vista® or Windows® 7.

**Web Services**

The Web Services protocol enables Windows Vista® and Windows® 7 users to install the Brother printer driver by right-clicking the machine icon from the Network folder. (See Installation when using Web Services (Windows Vista® and Windows® 7) on page 105.) The Web Services also let you check the current status of the machine from your computer.

**Other Protocol**

**LLTD**

The Link Layer Topology Discovery protocol (LLTD) lets you locate the Brother machine easily on the Windows Vista® or Windows® 7 Network Map. Your Brother machine will be shown with a distinctive icon and the node name. The default setting for this protocol is Off.

Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only)

Overview

Before using your Brother machine in a network environment, you must install the Brother software and also configure the appropriate TCP/IP network settings on the machine itself. In this chapter, you will learn the basic steps required to print over the network using TCP/IP protocol.

We recommend that you use the Brother installer on the installation CD-ROM to install the Brother software as this will guide you through the software and network installation. Please follow the instructions in the supplied Quick Setup Guide.

Note

If you do not wish to, or are unable to use the automatic installer or any of Brother’s software tools, you can also use the machine’s control panel to change network settings. For more information, see Control panel setup on page 65.

IP addresses, subnet masks and gateways

To use the machine in a networked TCP/IP environment, you need to configure its IP address and subnet mask. The IP address you assign to the print server must be on the same logical network as your host computers. If it is not, you must properly configure the subnet mask and the gateway address.

IP address

An IP address is a series of numbers that identifies each device connected to a network. An IP address consists of four numbers separated by dots. Each number is between 0 and 255.

Example: In a small network, you would normally change the final number.

- 192.168.1.1
- 192.168.1.2
- 192.168.1.3

How the IP address is assigned to your print server:

If you have a DHCP/BOOTP/RARP server in your network (typically a UNIX/Linux®, Windows® 2000/XP, Windows Vista®, Windows® 7 or Windows Server® 2003/2008 network) the print server will automatically obtain its IP address from that server.

Note

On smaller networks, the DHCP server may be the Router.
Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only)

For more information on DHCP, BOOTP and RARP, see *Using DHCP to configure the IP address* on page 100, *Using BOOTP to configure the IP address* on page 102 and *Using RARP to configure the IP address* on page 101.

If you do not have a DHCP/BOOTP/RARP server, the Automatic Private IP Addressing (APIPA) protocol will automatically assign an IP address from the range 169.254.1.0 to 169.254.254.255. For more information on APIPA, see *Using APIPA to configure the IP address* on page 102.

Subnet mask

Subnet masks restrict network communication.

- Example: Computer1 can talk to Computer2
  - Computer1
    - IP Address: 192.168.1.2
    - Subnet Mask: 255.255.255.0
  - Computer2
    - IP Address: 192.168.1.3
    - Subnet Mask: 255.255.255.0

Note

0 denotes that there is no limit to communication at this part of the address.

In the above example, we can communicate with any device that has an IP address that begins with 192.168.1.X.

Gateway (and router)

A gateway is a network point that acts as an entrance to another network and sends data transmitted via the network to an exact destination. The router knows where to direct data that arrives at the gateway. If a destination is located at an external network, the router transmits data to the external network. If your network communicates with other networks, you may need to configure the Gateway IP address. If you do not know the Gateway IP address then contact your Network Administrator.
Step by step chart

1. Configure the TCP/IP settings.
   - Configure the IP address  →  See page 12
   - Configure the subnet mask →  See page 12
   - Configure the gateway    →  See page 12

2. Change the print server settings.
   - Using the BRAdmin Light utility  →  See page 15
   - Using the BRAdmin Professional 3 utility →  See page 15
   - Using the control panel         →  See page 65
   - Using the Remote Setup          →  See page 17
   - Using other methods             →  See page 100
Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only)

Setting up the IP address and subnet mask

Using the BRAdmin Light utility to configure your machine as a network printer

BRAdmin Light

The BRAdmin Light utility is designed for initial setup of the Brother network connected devices. It also can search for Brother products in a TCP/IP environment, view the status and configure basic network settings, such as IP address. The BRAdmin Light utility is available for Windows® 2000/XP, Windows Vista®, Windows® 7, Windows Server® 2003/2008 and Mac OS X 10.4.11 - 10.6.x.

How to configure your machine using the BRAdmin Light utility

Note

• Please use the BRAdmin Light utility version that was supplied on the installation CD-ROM of your Brother product. You can also download the latest Brother BRAdmin Light utility version from http://solutions.brother.com/
• If you require more advanced printer management, use the latest Brother BRAdmin Professional 3 utility that is available as a download from http://solutions.brother.com/. This utility is only available for Windows® users.
• If you are using Windows® Firewall or a firewall function of anti-spyware or antivirus applications, disable all personal firewall software (other than Windows® Firewall), anti-spyware or antivirus applications for the duration of the configuration. Once you are sure that you can print, re-enable them.
• Node Name: Node Name appears in current BRAdmin Light window. The default Node Name of the print server in the machine is “BRNxxxxxxxxxxxx”. (“xxxxxxxxxxxx” is your machine’s MAC Address / Ethernet Address.)
• By default, no password is required. To set a password for, double-click the device you want to set a password. Click Control tab, and then click Change Password. Enter the new password.

1 Start the BRAdmin Light utility.

     Click Start / All Programs ¹ / Brother / BRAdmin Light / BRAdmin Light.

   ¹ Programs for Windows® 2000 users

   ■ Mac OS X 10.4.11 - 10.6.x
     Double-click Macintosh HD (Startup Disk) / Library / Printers / Brother / Utilities / BRAdmin Light.jar file.

2 BRAdmin Light will search for new devices automatically.
3 Double-click the unconfigured device.

Windows®

Macintosh

Note
• If the print server is set to its factory default settings (if you don’t use a DHCP/BOOTP/RARP server), the device will appear as Unconfigured in the BRAdmin Light utility screen.
• You can find the Node Name and MAC Address (Ethernet Address) from the machine’s control panel. See Node Name on page 68 and MAC Address on page 75.
Choose STATIC from **Boot Method**. Enter the **IP Address**, **Subnet Mask** and **Gateway** (if needed) of your print server.

**Windows®**

![Configure TCP/IP Address](image1)

**Macintosh**

![Configure TCP/IP Address](image2)

5. Click **OK**.

6. With the correctly programmed IP address, you will see the Brother print server in the device list.

**Using the control panel to configure your machine for a network**

You can configure your machine for a network using the control panel **Network** menu. (See **Control panel setup** on page 65.)

**Using other methods to configure your machine for a network**

You can configure your machine for a network using other methods. (See **Other ways to set the IP address (for advanced users and administrators)** on page 100.)
Changing the print server settings

Note
For wireless network users, you need to configure the wireless settings to change the print server settings. (See Configuring your machine for a wireless network on page 18.)

Using the BRAdmin Light utility to change the print server settings

1. Start the BRAdmin Light utility.
     Click Start / All Programs ¹ / Brother / BRAdmin Light / BRAdmin Light.
     ¹ Programs for Windows® 2000 users
   - Mac OS X 10.4.11 - 10.6.x
     Double-click Macintosh HD (Startup Disk) / Library / Printers / Brother / Utilities / BRAdmin Light.jar file.

2. Choose the print server which you want to change the settings.

3. Choose Network Configuration from the Control menu.

4. Enter a password if you have set one.

5. You can now change the print server settings.

Note
If you want to change more advanced settings, use the BRAdmin Professional 3 utility that is available as a download from http://solutions.brother.com/. For Windows® only.

Using the BRAdmin Professional 3 utility to change the wireless settings (Windows®)

Note
• Please use the latest version of the BRAdmin Professional 3 utility that is available as a download from http://solutions.brother.com/. This utility is only available for Windows® users.

• If you are using Windows® Firewall or a firewall function of anti-spyware or antivirus applications, disable all personal firewall software (other than Windows® Firewall), anti-spyware or antivirus applications for the duration of the configuration. Once you are sure that you can print, configure the software settings following the instructions again.

• Node name: The node name appears in the current BRAdmin Professional 3 window. The default Node name is “BRNxxxxxxxxxxxx” or “BRWxxxxxxxxxxxx”. ("xxxxxxxxxxxx" is your MAC Address / Ethernet Address.)
Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only)


![BRAdmin Professional 3 Utility](image)

1 Programs for Windows® 2000 users

2. Choose the print server/machine which you want to configure.

3. Choose Configure Device from the Control menu.

4. Enter a password if you have set one.

**Note**
By default, no password is required. To set a password for, double-click the device you want to set a password. Click Control tab, and then click Change Password. Enter the new password.

5. You can now change the wireless settings.

**Note**
- If the print server is set to its factory default settings without using a DHCP/BOOTP/RARP server, the device will appear as APIPA in the BRAdmin Professional 3 utility screen.
- You can find the Node Name and MAC Address (Ethernet Address) from the machine’s control panel. See Node Name on page 68 and MAC Address on page 75.
Using the Remote Setup to change the print server settings
(MFC-J615W and MFC-J630W only) (Not available for Windows Server®
2003/2008)

Remote Setup for Windows®
The Remote Setup application allows you to configure network settings from a Windows® application. When you access this application, the settings on your machine will be downloaded automatically to your PC and displayed on your PC screen. If you change the settings, you can upload them directly to the machine.

1 Click the Start button, All Programs 1, Brother, MFC-XXXX LAN, then Remote Setup (where XXXX is your model name).
   1 Programs for Windows® 2000 users
2 Enter a password if you have set one.
3 Click TCP/IP (Wired) or Setup Misc.
4 You can now change the print server settings.

Remote Setup for Macintosh
The Remote Setup application allows you to configure many MFC settings from a Macintosh application. When you access this application, the settings on your machine will be downloaded automatically to your Macintosh and displayed on your Macintosh screen. If you change the settings, you can upload them directly to the machine.

1 Double-click the Macintosh HD icon on your desktop, Library, Printers, Brother, then Utilities.
2 Double-click the Remote Setup icon.
3 Enter a password if you have set one.
4 Click TCP/IP (Wired) or Setup Misc.
5 You can now change the print server settings.

Using the control panel to change the print server settings
You can configure and change the print server settings using the control panel Network menu. (See Control panel setup on page 65.)
Overview

To connect your machine to your wireless network, you need to follow the steps in the Quick Setup Guide. We recommend that you use the Setup Wizard from the machine’s control panel Network menu. By using this method, you can easily connect your machine to your wireless network. Please follow the instructions in the supplied Quick Setup Guide.

Please read this chapter for more details on how to configure the wireless network settings. For information on TCP/IP settings, see Setting up the IP address and subnet mask on page 12. Then, in Network printing from Windows® basic TCP/IP Peer-to-Peer printing on page 86 and Network printing from a Macintosh on page 90, you will learn how to install the network software and drivers into the operating system running on your computer.

Note

- To achieve optimum results with normal every day document printing, place the Brother machine as close to the network access point (or router) as possible with minimal obstructions. Large objects and walls between the two devices as well as interference from other electronic devices can affect the data transfer speed of your documents.

  Due to these factors, wireless may not be the best method of connection for all types of documents and applications. If you are printing large files, such as multi-page documents with mixed text and large graphics, you may want to consider choosing wired Ethernet for a faster data transfer (DCP-J715W, MFC-J615W and MFC-J630W only), or USB for the fastest throughput speed.

- Although the Brother machine can be used in both a wired and wireless network, only one connection method can be used at a time.
Wireless network terms and concepts

If you want to use your machine in a wireless network you **must** configure the machine to match the settings of the existing wireless network. This section provides some of the main terms and concepts of these settings, which may be helpful when you configure your machine for a wireless network.

SSID (Service Set Identifier) and channels

You need to configure the SSID and a channel to specify the wireless network you want to connect to.

- **SSID**
  
  Each wireless network has its own unique network name and it is technically referred to as SSID or ESSID (Extended Service Set Identifier). The SSID is a 32-byte or less value and is assigned to the access point. The wireless network devices you want to associate to the wireless network should match the access point. The access point and wireless network devices regularly send wireless packets (referred to as a beacon) which has the SSID information. When your wireless network device receives a beacon, you can identify the wireless network that is close enough for the radio waves to reach your device.

- **Channels**
  
  Wireless networks use channels. Each wireless channel is on a different frequency. There are up to 14 different channels that can be used when using a wireless network. However, in many countries the number of channels available are restricted. For further information, see *Wireless network* on page 107.

Authentication and encryption

Most wireless networks use some kind of security settings. These security settings define the authentication (how the device identifies itself to the network) and encryption (how the data is encrypted as it is sent on the network). If you do not correctly specify these options when you are configuring your Brother wireless device, it will not be able to connect to the wireless network. Therefore care must be taken when configuring these options. Please refer to the information below to see which authentication and encryption methods your Brother wireless device supports.

Authentication methods

The Brother machine supports the following methods:

- **Open System**
  
  Wireless devices are allowed to access the network without any authentication.

- **Shared Key**
  
  A secret pre-determined key is shared by all devices that will access the wireless network. The Brother wireless machine uses the WEP keys as the pre-determined key.

- **WPA-PSK/WPA2-PSK**
  
  Enables a Wi-Fi Protected Access Pre-shared key (WPA-PSK/WPA2-PSK), which enables the Brother wireless machine to associate with access points using TKIP for WPA-PSK or AES for WPA-PSK and WPA2-PSK (WPA-Personal).
Encryption methods

Encryption is used to secure the data that is sent over the wireless network. The Brother wireless machine supports the following encryption methods:

- **None**
  
  No encryption method is used.

- **WEP**
  
  By using WEP (Wired Equivalent Privacy), the data is transmitted and received with a secure key.

- **TKIP**
  
  TKIP (Temporal Key Integrity Protocol) provides per-packet key mixing a message integrity check and re-keying mechanism.

- **AES**
  
  AES (Advanced Encryption Standard) is the Wi-Fi® authorized strong encryption standard.

Network Key

There are some rules for each security method:

- **Open System/Shared Key with WEP**
  
  This key is a 64-bit or 128-bit value that must be entered in an ASCII or hexadecimal format.

  - 64 (40) bit ASCII:
    
    Uses 5 text characters e.g. “WSLAN” (this is case sensitive).

  - 64 (40) bit hexadecimal:
    
    Uses 10 digits of hexadecimal data e.g. “71f2234aba”.

  - 128 (104) bit ASCII:
    
    Uses 13 text characters e.g. “Wirelesscomms” (this is case sensitive).

  - 128 (104) bit hexadecimal:
    
    Uses 26 digits of hexadecimal data e.g. “71f2234ab56cd709e5412aa2ba”.

- **WPA-PSK/WPA2-PSK and TKIP or AES**
  
  Uses a Pre-Shared Key (PSK) that is 8 or more characters in length, up to a maximum of 63 characters.
Step by step chart for wireless network configuration

For Infrastructure mode

1. Confirm your network environment. (See page 23.)
   - **Infrastructure mode**
     - Connected to a computer with an access point
   - **Ad-hoc mode** See page 22.
     - Connected to a wireless capable computer without an access point

2. Confirm your wireless network setup method. (See page 24.)
   - Using the **Setup Wizard** from the control panel (Recommended)
   - Using the **WPS/AOSS control panel menu**
   - Using the **PIN Method** of Wi-Fi Protected Setup
   - Using the **Brother installer application**
     - Temporarily using a USB cable or network cable
     - Using the **WPS/AOSS control panel menu**

3. Configure your machine for a wireless network. (See page 27.)
   - See page 27.
   - See page 32.
   - See page 34.
   - See page 37.
   - See page 48.

   Installing drivers and software (See the Quick Setup Guide.)

   Wireless configuration and installing drivers and software have been completed.
For Ad-hoc mode

1. **Confirm your network environment.** (See page 23.)

   - **Ad-hoc mode**
     - Connected to a wireless capable computer without an access point

   or

   - **Infrastructure mode**
     - Connected to a computer with an access point

2. **Confirm your wireless network setup method.** (See page 24.)

   - Using the **Setup Wizard** from the control panel (Recommended)

   - Using the **Brother installer application**

3. **Configure your machine for a wireless network.** (See page 27.)

   - See page 27.

   - See page 54.

   **Installing drivers and software** (See the *Quick Setup Guide.*)

**OK!**

Wireless configuration and installing drivers and software have been completed.
Confirm your network environment

Connected to a computer with an access point in the network (Infrastructure mode)

1 Access point
2 Wireless network printer (your machine)
3 Wireless capable computer connected to the access point
4 Wired computer (which is not wireless capable) connected to the access point with an Ethernet cable

Connected to a wireless capable computer without an access point in the network (Ad-hoc mode)

This type of network does not have a central access point. Each wireless client communicates directly with each other. When the Brother wireless machine (your machine) is part of this network, it receives all print jobs directly from the computer sending the print data.

1 Wireless network printer (your machine)
2 Wireless capable computer

Note

We do not guarantee the wireless network connection with Windows Server® products in Ad-hoc mode.
Confirm your wireless network setup method

There are four methods to configure your machine for a wireless network; by using the machine’s control panel (recommended), using WPS or AOSS™ from the control panel menu, using the PIN Method of Wi-Fi Protected Setup or using the Brother installer application. The setup process will be different depending on your network environment.

Configuration using the machine’s control panel Setup Wizard to configure your wireless network machine

We recommend that you use the machine’s control panel to configure your wireless network settings. By using the control panel Setup Wizard function, you can easily connect your Brother machine to your wireless network. You must know your wireless network settings before you proceed with this installation. (See Using the Setup Wizard from the control panel on page 27.)

Configuration using the WPS/AOSS™ control panel menu (Infrastructure mode only)

If your wireless access point (A) supports either Wi-Fi Protected Setup (PBC \(^1\)) or AOSS™, you can configure the machine without a computer. (See Using WPS or AOSS™ from the control panel menu to configure your machine for a wireless network on page 32.)

\(^1\) Push Button Configuration
Configuring your machine for a wireless network

**Configuration using the PIN Method of Wi-Fi Protected Setup (Infrastructure mode only)**

If your wireless access point (A) supports Wi-Fi Protected Setup, you can also configure using the PIN Method of Wi-Fi Protected Setup. (See *Using the PIN Method of Wi-Fi Protected Setup* on page 34.)

- Connection when the wireless access point (router) (A) doubles as a Registrar.

- Connection when another device (C), such as a computer is used as a Registrar.

---

1 The Registrar is a device that manages the wireless LAN.
Configuring your machine for a wireless network

Configuration using the Brother installer application on the installation CD-ROM to configure your wireless network machine

You can also use the Brother installer application on the installation CD-ROM we have provided with the machine. You will be guided by the on-screen instructions until you are able to use your Brother wireless network machine. **You must know your wireless network settings before you proceed with this installation.** (See *Wireless configuration using the Brother installer application* on page 37.)

Configuration temporarily using a USB or a network cable

You can temporarily use a USB cable or a network cable when you configure your Brother machine in this method. The USB and network cables are not standard accessories included with the machine.

- You can remotely configure the machine from the computer on the network using a USB cable (A) \(^1\).

![Diagram of USB connection](image1)

\(^1\) Connecting a USB cable is available to either the wired computer or the wireless computer.

- If there is an Ethernet Hub or Router in the same network as the wireless access point/router (A) of your machine, you can temporarily connect the Hub or Router to the machine using a network cable (B). You can then remotely configure the machine from a computer on the network.

![Diagram of network connection](image2)
Configuring your machine for a wireless network

**IMPORTANT**

- If you are going to connect your Brother machine to your network, we recommend that you contact your system administrator prior to installation. **You must know your wireless network settings before you proceed with this installation.**

- If you have previously configured the wireless settings of the machine, you must reset the network LAN settings before you can configure the wireless settings again.

  Press **Menu, ▲ or ▼** to choose **Network**, press **OK**. Press ▲ or ▼ to choose **Network Reset**, press **OK**. Press 1 or + to reset and then press 1 or + to accept the change. The machine will restart automatically.

**Using the Setup Wizard from the control panel**

You can configure your print server by using the **Setup Wizard** function. This is located in the **Network** menu on the machine’s control panel. See to the steps below for further information.

**Configuring your machine for an existing wireless network**

1. Before configuring your machine we recommend you write down the SSID and Password (Network Key) (if required) for your wireless network. You will need this information before you continue with the configuration. If your wireless access point/router is set to not broadcast the SSID Name, see **Configuring your machine when the SSID is not broadcast** on page 29.

<table>
<thead>
<tr>
<th>Item</th>
<th>Record the current wireless network settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network name: (SSID/ESSID)</td>
<td></td>
</tr>
<tr>
<td>Password (Network Key)</td>
<td></td>
</tr>
</tbody>
</table>

**Note**

If your router uses WEP encryption, enter the key used as the first WEP key. Your Brother machine supports the use of the first WEP key only.

2. Press **Menu**.

3. Press ▲ or ▼ to choose **Network**. Press **OK**.

4. **For DCP-J715W, MFC-J615W and MFC-J630W**

   Press ▲ or ▼ to choose **WLAN**. Press **OK**.

5. Press ▲ or ▼ to choose **Setup Wizard**. Press **OK**.
6 When WLAN Enable? or Network I/F switched to Wireless. is displayed, press OK to accept. This will start the wireless setup wizard.
   To cancel, press Stop/Exit.

7 The machine will search for your network and display a list of available SSIDs. You should see the SSID you wrote down earlier. If the machine finds more than one network (SSID) use ▲ or ▼ key to choose your network, then press OK.
   If a list of SSIDs is not displayed, make sure your access point is on. Move your machine closer to the access point and try starting from step 3 again.
   If your access point is set to not broadcast the SSID, you will have to manually add the SSID name. See Configuring your machine when the SSID is not broadcast on page 29.

8 Enter the Password (Network Key) and press OK. (For information how to enter text, see Entering Text on page 112.)

Note
   If your Authentication method is Open system and your Encryption mode is None, skip steps 8 and 9. Go to step 10.

9 To apply the settings, choose Yes. To cancel, choose No.
   If you chose Yes, go to step 10.
   If you chose No, go back to step 7.

10 The machine starts to connect to the wireless device you have chosen.

11 If your wireless device is connected successfully, the display shows Connected for 60 seconds and configuration is completed.
   If the connection failed, the display shows Wrong Password or Connection Fail for 60 seconds. A Wireless LAN report will also be printed with the connection status. If there is an error code on the printed report refer to Troubleshooting in the Quick Setup Guide.

Note
   • If the LCD displays Wrong Password, the Password (Network Key) you entered did not match with your access point. Verify your network settings collected in step 1 on page 27, then repeat step 2 to step 9 to make sure you have entered the correct information.
   • If the LCD displays Connection Fail, make sure your access point is on, and verify your network settings collected in step 1 on page 27.
     Temporarily move your machine as close as possible to the access point, repeat step 2 to step 9 to make sure you have entered the correct information.
   • It may take a few minutes to connect to your wireless network.
Configuring your machine for a wireless network

(Windows®)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please choose Install MFL-Pro Suite from the installation CD-ROM menu.

(Macintosh)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please double-click Start Here OSX in the installation CD-ROM.

Configuring your machine when the SSID is not broadcast

1 Before configuring your machine we recommend you write down your wireless network settings. You will need this information before you continue with the configuration.

Check and record the current wireless network settings.

| Network name:(SSID, ESSID) |

<table>
<thead>
<tr>
<th>Communication Mode</th>
<th>Authentication method</th>
<th>Encryption mode</th>
<th>Network key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure</td>
<td>Open system</td>
<td>WEP</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Shared key</td>
<td>WEP</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>WPA/WPA2-PSK</td>
<td>AES</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>TKIP ¹</td>
<td></td>
<td>—</td>
</tr>
<tr>
<td>Ad-hoc</td>
<td>Open system</td>
<td>WEP</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NONE</td>
<td>—</td>
</tr>
</tbody>
</table>

¹ TKIP is supported for WPA-PSK only.

For example:

| Network name:(SSID, ESSID) |

HELLO

<table>
<thead>
<tr>
<th>Communication Mode</th>
<th>Authentication method</th>
<th>Encryption mode</th>
<th>Network key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure</td>
<td>WPA2-PSK</td>
<td>AES</td>
<td>12345678</td>
</tr>
</tbody>
</table>

Note

If your router uses WEP encryption, enter the key used as the first WEP key. Your Brother machine supports the use of the first WEP key only.

2 Press Menu.
Configuring your machine for a wireless network

3. Press ▲ or ▼ to choose Network. Press OK.

4. For DCP-J715W, MFC-J615W and MFC-J630W
   Press ▲ or ▼ to choose WLAN. Press OK.

5. Press ▲ or ▼ to choose Setup Wizard. Press OK.

6. When WLAN Enable? or Network I/F switched to Wireless. is displayed, press OK to accept.
   This will start the wireless setup wizard.
   To cancel, press Stop/Exit.

7. The machine will search for your network and display a list of available SSIDs.
   Choose <New SSID> using ▲ or ▼. Press OK.

8. Enter the SSID name. (For information how to enter text, see Entering Text on page 112.)
   Press OK.

9. Using ▲ or ▼, choose Ad-hoc or Infrastructure when instructed. Press OK.
   Do one of the following:
   If you chose Ad-hoc, go to step 11.
   If you chose Infrastructure, go to step 10.

10. Choose the Authentication method using ▲ or ▼, and press OK.
    Do one of the following:
    If you chose Open System, go to step 11.
    If you chose Shared Key, go to step 12.
    If you chose WPA/WPA2-PSK, go to step 13.

11. Choose the Encryption type None or WEP using ▲ or ▼, and press OK.
    Do one of the following:
    If you chose None, go to step 15.
    If you chose WEP, go to step 19.

12. Enter the WEP key you wrote down in step 1 on page 29. Press OK. Go to step 16. (For information how to enter text, see Entering Text on page 112.)

13. Choose the Encryption type, TKIP or AES using ▲ or ▼. Press OK. Go to step 14.

14. Enter the WPA key you wrote down in step 1 on page 29 and press OK. Go to step 16. (For information how to enter text, see Entering Text on page 112.)

15. To apply the settings, choose Yes. To cancel, choose No.
    Do one of the following:
    If you chose Yes, go to step 16.
    If you chose No, go back to step 7.
The machine starts to connect to the wireless device you have chosen.

If your wireless device is connected successfully, the display shows Connected for 60 seconds and configuration is completed.

If the connection failed, the display shows Connection Fail or Wrong Password for 60 seconds. A Wireless LAN report will also be printed with the connection status. If there is an error code on the printed report refer to Troubleshooting in the Quick Setup Guide.

Note

- If the LCD displays Wrong Password, the Password (Network Key) you entered did not match with your access point. Verify your network settings collected in step 1 on page 29, then repeat step 2 to step 15 to make sure you have entered the correct information.

- If the LCD displays Connection Fail, make sure your access point is on, and verify your network settings collected in step 1 on page 29.

  Temporarily move your machine as close as possible to the access point, repeat step 2 to step 15 to make sure you have entered the correct information.

OK!

(Windows®)

You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please choose Install MFL-Pro Suite from the installation CD-ROM menu.

(Macintosh)

You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please double-click Start Here OSX in the installation CD-ROM.
Configuring your machine for a wireless network

Using WPS or AOSS™ from the control panel menu to configure your machine for a wireless network

If your wireless access point supports either Wi-Fi Protected Setup (PBC) or AOSS™ (one-push method), you can configure the machine easily without a computer. Your Brother machine has the WPS/AOSS™ menu available from the control panel. This feature automatically detects which mode your access point uses, Wi-Fi Protected Setup or AOSS™. By pushing a button on the wireless access point/router, you can setup the wireless network and security settings. See the User’s Guide for your wireless access point/router for instructions on how to access one-push mode.

1 Push Button Configuration

Note
Routers or access points that support Wi-Fi Protected Setup or AOSS™ have the appropriate symbols shown below.

![Wi-Fi Protected Setup](image1)
![AOSS](image2)

1 Press **Menu**.
2 Press ▲ or ▼ to choose **Network**.
   Press **OK**.
3 For DCP-J715W, MFC-J615W and MFC-J630W
   Press ▲ or ▼ to choose **WLAN**.
   Press **OK**.
4 Press ▲ or ▼ to choose **WPS/AOSS**.
   Press **OK**.
   This feature will automatically detect which mode (Wi-Fi Protected Setup or AOSS™) your access point uses to configure your machine.

Note
If your wireless access point supports Wi-Fi Protected Setup (PIN Method) and you want to configure your machine using the PIN (Personal Identification Number) Method, see Using the PIN Method of Wi-Fi Protected Setup on page 34.

5 When **WLAN Enable? or Network I/F switched to Wireless** is displayed, press **OK** to accept.
   This will start the wireless setup wizard.
   To cancel, press **Stop/Exit**.
6 The machine searches for an access point that supports Wi-Fi Protected Setup or AOSS™ for 2 minutes.

7 Put your access point in the Wi-Fi Protected Setup mode or AOSS™ mode, depending on what is supported by your access point. Please refer to the instruction manual that came with your access point.

8 If the LCD shows **Connected**, the machine has successfully connected to your router or access point. You can now use your machine in a wireless network.
   
   If the LCD shows **Connection Error**, a session overlap has been detected. The machine has detected more than one access point/router on your network with the Wi-Fi Protected Setup mode or AOSS™ mode enabled. Make sure that only one access point/router has the Wi-Fi Protected Setup mode or the AOSS™ mode enabled and try starting from 6 again.
   
   If the LCD shows **No Access Point**, the machine has not detected your access point/router on your network with the Wi-Fi Protected Setup mode or AOSS™ mode enabled. Move the machine closer to your access point/router and try starting from 4 again.
   
   If the LCD shows **Connection Fail**, the machine has not successfully connected to your access point/router. Try starting from 4 again. If the same message is indicated again, reset the machine back to the default factory settings and try again. (For resetting, see *Restoring the network settings to factory default* on page 77.)
   
   A Wireless LAN report will also be printed with the connection status. If there is an error code on the printed report refer to *Troubleshooting* in the *Quick Setup Guide*.

<table>
<thead>
<tr>
<th>LCD shows</th>
<th>Connection status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting WLAN</td>
<td>Searching or accessing the access point, and downloading settings from the access point.</td>
<td>—</td>
</tr>
<tr>
<td>Connecting WPS</td>
<td>Connecting to the access point.</td>
<td>—</td>
</tr>
<tr>
<td>Connecting AOSS</td>
<td>Connection succeeded.</td>
<td>—</td>
</tr>
<tr>
<td>Connected</td>
<td></td>
<td>—</td>
</tr>
<tr>
<td>Connection Error</td>
<td>Session overlap has been detected.</td>
<td>Check that only one router or access point has the Wi-Fi Protected Setup mode or AOSS™ mode enabled and try starting from step 6 again.</td>
</tr>
<tr>
<td>No Access Point</td>
<td>The access point detection failed.</td>
<td>Move the machine closer to your access point/router and try starting from step 4 again.</td>
</tr>
<tr>
<td>Connection Fail</td>
<td>The machine was not able to connect with the access point.</td>
<td>■ Try starting from step 4 again.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ If the same message reappears, reset the machine back to the factory settings and try again.</td>
</tr>
</tbody>
</table>

Note

- If you encounter a problem during setup, temporarily place your machine closer to the wireless access point, and go back to step 4.
- You can also manually configure the wireless settings following the steps starting at step 1 on page 27.
Configuring your machine for a wireless network

You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please choose Install MFL-Pro Suite from the installation CD-ROM menu.

(Windows®)

You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please double-click Start Here OSX in the installation CD-ROM.

Using the PIN Method of Wi-Fi Protected Setup

If your wireless access point supports Wi-Fi Protected Setup (PIN Method), you can configure the machine easily. The PIN (Personal Identification Number) Method is one of the connection methods developed by the Wi-Fi Alliance®. By inputting a PIN which is created by an Enrollee (your machine) to the Registrar (a device that manages the wireless LAN), you can setup the wireless network and security settings. See the User’s Guide for your wireless access point/router for instructions on how to access the Wi-Fi Protected Setup mode.

Note

Routers or access points that support Wi-Fi Protected Setup have a symbol as shown below.

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
3. For DCP-J715W, MFC-J615W and MFC-J630W
   Press ▲ or ▼ to choose WLAN. Press OK.
4. Press ▲ or ▼ to choose WPS w/PIN Code. Press OK.
5. When WLAN Enable? or Network I/F switched to Wireless. is displayed, press OK to accept.
   This will start the wireless setup wizard.
   To cancel, press Stop/Exit.
6. The LCD will show an 8 digit PIN and the machine begins searching for an access point for 5 minutes.
Configuring your machine for a wireless network

7 Using a computer that is on the network, type “http://access point’s IP address/” into your browser. (Where “access point’s IP address” is the IP address of the device that is used as the Registrar.) Go to the WPS (Wi-Fi Protected Setup) setting page and input the PIN which the LCD shows in 6 to the Registrar and follow the on-screen instructions.

1 The Registrar is normally the access point/router.

Note
The setting page is different, depending on the brand of access point/router. See the instruction manual that came with your access point/router.

If you are using your Windows Vista® or Windows® 7 computer as a Registrar, perform following instructions.

Note
To use a Windows Vista® or Windows® 7 computer as a Registrar, you need to register it to your network in advance. See the instruction manual that came with your access point/router.

1 (Windows Vista®)
Click , Network, and then Add a wireless device.
(Windows® 7)
Click , Control Panel, Network and Internet, and then Add a wireless device to the network.

2 Choose your machine and click Next.

3 Input the PIN from the printed page and then click Next.

4 Choose your network that you want to connect to, and then click Next.

5 Click Close.

8 If the LCD shows Connected, the machine has successfully connected to your router or access point. You can now use your machine in a wireless network.
If the LCD shows No Access Point or Connection Fail, the machine has not successfully connected to your router or access point. Try starting from 4 again. If the same message is indicated again, reset the machine back to the default factory settings and try again. For resetting, see Restoring the network settings to factory default on page 77.
A Wireless LAN report will also be printed with the connection status. If there is an error code on the printed report refer to Troubleshooting in the Quick Setup Guide.
(Windows®)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please choose Install MFL-Pro Suite from the installation CD-ROM menu.

(Macintosh)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please double-click Start Here OSX in the installation CD-ROM.

Using the Brother automatic installer application on the installation CD-ROM to configure your machine for a wireless network

For installation, see *Wireless configuration using the Brother installer application* on page 37.
4 Wireless configuration using the Brother installer application

**IMPORTANT**

- The following instructions will install your Brother machine in a network environment using the Brother installer application found on the installation CD-ROM we have provided with the machine.

- You can also setup your Brother machine using the machine’s control panel which we recommend. You can find instructions in the supplied *Quick Setup Guide* or see *Configuring your machine for a wireless network* on page 18.

- **You must know your wireless network settings before you proceed with this installation.**
  
  If you are going to connect your Brother machine to your network, we recommend that you contact your system administrator prior to installation.

**Configuration in Infrastructure mode**

**Before configuring the wireless settings**

**IMPORTANT**

- If you have previously configured the wireless settings of the machine, you must reset the network LAN settings before you can configure the wireless settings again.

  Press *Menu*, ▲ or ▼ to choose *Network*, press *OK*. Press ▲ or ▼ to choose *Network Reset*, press *OK*. Press 1 or + to reset and then press 1 or + to accept the change. The machine will restart automatically.

- If you are using Windows® Firewall or a firewall function of anti-spyware or antivirus applications, disable all personal firewall software (other than Windows® Firewall), anti-spyware or antivirus applications for the duration of the configuration. Once you are sure that you can print, configure the software settings following the instructions again.

- You need to temporarily use a USB cable (not included) or Ethernet cable (not included) during configuration.

- If your router uses WEP encryption, enter the key used as the first WEP key. Your Brother machine supports the use of the first WEP key only.

- Before configuring your machine we recommend you write down the SSID and Password (Network Key) (if required) for your wireless network. You will need this information before you continue with the configuration.

<table>
<thead>
<tr>
<th>Item</th>
<th>Record the current wireless network settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network name: (SSID/ESSID)</td>
<td></td>
</tr>
<tr>
<td>Password (Network Key)</td>
<td></td>
</tr>
</tbody>
</table>
Configure the wireless settings

1. Turn on your computer.

2. Start the Brother installer application.

   - **Windows®**

     1. Put the supplied installation CD-ROM into your CD-ROM drive. The opening screen will appear automatically. If the model name screen appears, choose your machine. If the language screen appears, choose your language.

     2. The CD-ROM main menu will appear. Click **Advanced**.

       ![Advanced menu](image)

       **Note**

       - If the Brother screen does not appear automatically, go to **My Computer (Computer)**, double-click the CD-ROM icon, and then double-click **Start.exe**.

       - The screen on your machine may vary depending on your region.

3. Click **Wireless LAN Setup Wizard**.

   ![Wireless LAN Setup Wizard](image)
Wireless configuration using the Brother installer application

**Macintosh**

1. Put the supplied installation CD-ROM into your CD-ROM drive. Double-click the **MFL_PRO Suite** icon on your desktop.

2. Double-click **Utilities**.

3. Double-click the **Wireless Device Setup Wizard**.

   Choose **No** and then click **Next**.
4 Read the **Important Notice**. Check the box after you confirm the SSID and Network Key, and then click **Next**.

5 Choose **Temporarily use a USB cable (Recommend)** or **Temporarily use an Ethernet (LAN) cable** and then click **Next**.
   - If you choose **Temporarily use a USB cable (Recommend)**, go to step 6.
   - If you choose **Temporarily use an Ethernet (LAN) cable**, go to step 7.

(DCP-J715W, MFC-J615W and MFC-J630W)  
(DCP-J315W, DCP-J515W, MFC-J265W and MFC-J415W)
6 (For USB cable users)
Temporarily connect the USB cable (not included) directly to the computer and the machine. Then go to step 10.

7 (For LAN cable users)
Read the Important Notice. Check the box after you confirm the wired setting is enabled, and then click Next.
8 (For LAN cable users) Temporarily connect the Brother wireless device to your access point using a network cable (not included) and click Next.

9 (For LAN cable users) Choose the machine you wish to configure, and click Next. If the list is blank, check if the access point and the machine are powered on, and then click Refresh.

Note
The default Node name is “BRNxxxxxxxxxxxx”.
10 The wizard will search for wireless networks available from your machine. Choose the access point you wish to associate the machine with, and then click Next.

![Wireless Device Setup Wizard]

**Note**

- If the list is blank, check that the access point has power and is broadcasting the SSID, and then see if the machine and the access point are within range for wireless communication. Then, click Refresh.
- If your access point is set to not broadcast the SSID you can manually add it by clicking the Advanced button. Follow the on-screen instructions for entering the Name (SSID).

11 If your network is not configured for Authentication and Encryption, the following screen will appear. To continue configuration, click OK and go to step 12.
12 Enter the **Network Key** and then enter the key again in **Confirm Network Key**, then click **Next**.

13 Click **Next**. The settings will be sent to your machine.

---

**Note**

- The settings will remain unchanged if you click **Cancel**.
- If you want to manually enter the IP address settings of your machine, click **Change IP Address** and enter the necessary IP address settings for your network.
- The control panel settings will be automatically changed to **WLAN** when the wireless settings are sent to your machine.
- (For USB cable users) If the wireless setup failure screen appears, click **Retry** and try starting from step 10 again.
(For LAN cable users)
A wireless LAN report will automatically be printed. Choose the status as it is shown for the Connection on the wireless LAN report. Click Next.
If your status is "Connection:OK", go to step 13.
If your status is "Connection:Failed", go to step 15.

(For LAN cable users)
Click Finish. Wireless setup failed as it was unable to associate with a wireless network. Check the error code on the printed wireless LAN report and refer to Troubleshooting in the Quick Setup Guide. Then try starting from step 12-3 again.
Wireless configuration using the Brother installer application

16. (For USB cable users)
   Disconnect the USB cable between the computer and the machine.

![Wireless Device Setup Wizard: Disconnecting Your Device and Your Computer]

(For LAN cable users)
   Disconnect the network cable between your access point and the machine, and click **Next**.

![Wireless Device Setup Wizard: Disconnecting Your Device and Access Point]

17. Click **Finish**.

![Wireless Device Setup Wizard: Important Notice]
(Windows®)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please choose Install MFL-Pro Suite from the installation CD-ROM menu.

(Macintosh)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please double-click Start Here OSX in the installation CD-ROM.

Note
If your wireless settings fail, the Wireless Device Setup Wizard will appear during the installation of MFL-Pro Suite. Confirm your settings by following the on-screen instructions.
Configuration using WPS or AOSS™ from the control panel menu (Automatic wireless mode)

Before configuring the wireless settings

**IMPORTANT**

- If you have previously configured the wireless settings of the machine, you must reset the network LAN settings before you can configure the wireless settings again.

  Press Menu, ▲ or ▼ to choose Network, press OK. Press ▲ or ▼ to choose Network Reset, press OK. Press 1 or + to reset and then press 1 or + to accept the change. The machine will restart automatically.

- If you are using Windows® Firewall or a firewall function of anti-spyware or antivirus applications, disable all personal firewall software (other than Windows® Firewall), anti-spyware or antivirus applications for the duration of the configuration. Once you are sure that you can print, configure the software settings following the instructions again.

Configure the wireless settings

   - Press Menu.
   - Press ▲ or ▼ to choose Network, press OK.
   - Press ▲ or ▼ to choose WLAN Enable, press OK.
   - Press ▲ or ▼ to choose On, press OK.

2. **(For DCP-J715W, MFC-J615W and MFC-J630W)**
   - Press Menu.
   - Press ▲ or ▼ to choose Network, press OK.
   - Press ▲ or ▼ to choose Network I/F, press OK.
   - Press ▲ or ▼ to choose WLAN, press OK.

2. Turn on your computer.
   Close any applications running before you start configuration.
Wireless configuration using the Brother installer application

3 Start the Brother installer application.
   
   **Windows®**
   
   1 Put the supplied installation CD-ROM into your CD-ROM drive. The opening screen will appear automatically. If the model name screen appears, choose your machine. If the language screen appears, choose your language.
   
   2 The CD-ROM main menu will appear. Click **Advanced**.

   ![Advanced Menu](image)

   **Note**
   
   - If the Brother screen does not appear automatically, go to **My Computer (Computer)**, double-click the CD-ROM icon, and then double-click **Start.exe**.
   - The screen on your machine may vary depending on your region.

   3 Click **Wireless LAN Setup Wizard**.

   ![Wizard Menu](image)
Wireless configuration using the Brother installer application

- **Macintosh**

1. Put the supplied installation CD-ROM into your CD-ROM drive. Double-click the **MFL_PRO Suite** icon on your desktop.

2. Double-click **Utilities**.

3. Double-click the **Wireless Device Setup Wizard**.
4 Choose Yes, my Access Point supports WPS or AOSS and I want to use them. and click Next.

5 Read the Important Notice. Check the box after you confirm the wireless setting is enabled, and then click Next.

6 Press Menu, ▲ or ▼ to choose Network and press OK. (For DCP-J715W, MFC-J615W and MFC-J630W) Press ▲ or ▼ to choose WLAN and then press OK. Press ▲ or ▼ to choose WPS/AOSS and press OK.

Note

If your wireless access point supports Wi-Fi Protected Setup (PIN Method) and you want to configure your machine using the PIN (Personal Identification Number) Method, see Using the PIN Method of Wi-Fi Protected Setup on page 34.

7 The machine searches for an access point that supports Wi-Fi Protected Setup or AOSS™ for 2 minutes.

8 Put your access point in the Wi-Fi Protected Setup mode or AOSS™ mode, depending on what is supported by your access point. Please refer to the instruction manual that came with your access point.
If the LCD shows **Connected**, the machine has successfully connected to your router or access point. You can now use your machine in a wireless network.

If the LCD shows **Connection Error**, a session overlap has been detected. The machine has detected more than one access point/router on your network with the Wi-Fi Protected Setup mode or AOSS™ mode enabled. Make sure that only one access point/router has the Wi-Fi Protected Setup mode or the AOSS™ mode enabled and try starting from 5 again.

If the LCD shows **No Access Point**, the machine has not detected your access point/router on your network with the Wi-Fi Protected Setup mode or AOSS™ mode enabled. Move the machine closer to your access point/router and try starting from 5 again.

If the LCD shows **Connection Fail**, the machine has not successfully connected to your access point/router. Try starting from 5 again. If the same message is indicated again, reset the machine back to the default factory settings and try again. (For resetting, see *Restoring the network settings to factory default* on page 77.)

---

### LCD messages when using the WPS/AOSS™ control panel menu

<table>
<thead>
<tr>
<th>LCD shows</th>
<th>Connection status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting WLAN</td>
<td>Searching or accessing the access point, and downloading settings from the access point.</td>
<td>—</td>
</tr>
<tr>
<td>Connecting WPS</td>
<td></td>
<td>—</td>
</tr>
<tr>
<td>Connecting AOSS</td>
<td>Connecting to the access point.</td>
<td>—</td>
</tr>
<tr>
<td>Connected</td>
<td>Connection succeeded.</td>
<td>—</td>
</tr>
<tr>
<td>Connection Error</td>
<td>Session overlap has been detected.</td>
<td>Check that only one router or access point has the Wi-Fi Protected Setup mode or AOSS™ mode enabled and try starting from step 5 again.</td>
</tr>
<tr>
<td>No Access Point</td>
<td>The access point detection failed.</td>
<td>Move the machine closer to your access point/router and try starting from step 5 again.</td>
</tr>
<tr>
<td>Connection Fail</td>
<td>The machine was not able to connect with the access point.</td>
<td>☑ Try starting from step 5 again.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☑ If the same message reappears, reset the machine back to the factory settings and try again.</td>
</tr>
</tbody>
</table>

---

*Note: Page numbers are for reference only and may not correspond to the actual page numbers in the document.*
10. Click **Next**.

11. Check the box after you confirm that you have completed the wireless settings, and then click **Finish**.

(Windows®)

You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please choose Install MFL-Pro Suite from the installation CD-ROM menu.

(Macintosh)

You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please double-click Start Here OSX in the installation CD-ROM.
Configuration in Ad-hoc Mode

Before configuring the wireless settings

![IMPORTANT]

- If you have previously configured the wireless settings of the machine, you must reset the network LAN settings before you can configure the wireless settings again.

  Press Menu, ▲ or ▼ to choose Network, press OK. Press ▲ or ▼ to choose Network Reset, press OK. Press 1 or + to reset and then press 1 or + to accept the change. The machine will restart automatically.

- If you are using Windows® Firewall or a firewall function of anti-spyware or antivirus applications, disable all personal firewall software (other than Windows® Firewall), anti-spyware or antivirus applications for the duration of the configuration. Once you are sure that you can print, configure the software settings following the instructions again.

Configure the wireless settings

1. (For DCP-J315W, DCP-J515W, MFC-J265W and MFC-J415W)
   - Press Menu.
   - Press ▲ or ▼ to choose Network, press OK.
   - Press ▲ or ▼ to choose WLAN Enable, press OK.
   - Press ▲ or ▼ to choose On, press OK.

   (For DCP-J715W, MFC-J615W and MFC-J630W)
   - Press Menu.
   - Press ▲ or ▼ to choose Network, press OK.
   - Press ▲ or ▼ to choose Network I/F, press OK.
   - Press ▲ or ▼ to choose WLAN, press OK.

2. Turn on your computer.
   Close any applications running before configuration.
Start the Brother installer application.

**Windows®**

1. Put the supplied installation CD-ROM into your CD-ROM drive. The opening screen will appear automatically. If the model name screen appears, choose your machine. If the language screen appears, choose your language.

2. The CD-ROM main menu will appear. Click **Advanced**.

![Advanced menu screenshot]

**Note**

- If the Brother screen does not appear automatically, go to **My Computer (Computer)**, double-click the CD-ROM icon, and then double-click **Start.exe**.
- The screen on your machine may vary depending on your region.

3. Click **Wireless LAN Setup Wizard**.
Wireless configuration using the Brother installer application

**Macintosh**

1. Put the supplied installation CD-ROM into your CD-ROM drive. Double-click the **MFL_PRO Suite** icon on your desktop.

2. Double-click **Utilities**.

3. Double-click the **Wireless Device Setup Wizard**.
4. Choose **No** and then click **Next**.

5. Read the **Important Notice**. Check the box after you confirm the SSID and Network Key, and then click **Next**.

6. Choose **Advanced method** and then click **Next**.
Wireless configuration using the Brother installer application

7 Read the **Important Notice**. Check the box after you confirm the wireless setting is enabled, and then click **Next**.

8 You need to temporarily change your computer's wireless settings. Follow the on-screen instructions. Make sure to take note of all the settings such as the SSID or channel of your computer (you will need them to return your computer back to its original wireless settings), and then click **Next**.

If you want to configure your machine for the wireless network you have been using, write down your wireless network settings before configuration.

<table>
<thead>
<tr>
<th>Network name: (SSID, ESSID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HELLO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Communication Mode</th>
<th>Authentication method</th>
<th>Encryption mode</th>
<th>Network key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ad-hoc</td>
<td>Open system</td>
<td>WEP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

For example:

<table>
<thead>
<tr>
<th>Network name: (SSID, ESSID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HELLO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Communication Mode</th>
<th>Authentication method</th>
<th>Encryption mode</th>
<th>Network key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ad-hoc</td>
<td>Open system</td>
<td>WEP</td>
<td>12345</td>
</tr>
</tbody>
</table>
To communicate with the un-configured wireless machine, temporarily change the wireless settings on your computer to match machine’s default settings shown on this screen. Check the box after you confirm the wireless setting, and then click Next.

Note

• If a message to restart your computer appears after the wireless settings have been changed, restart your computer and then go back to step 6 and continue with the install skipping steps 7, 8 and 9.

• Windows Vista® or Windows® 7:

You can temporarily change the wireless settings on your computer, following the steps below:

1. Click and then Control Panel.

2. Click Network and Internet and then Network and Sharing Center icon.

3. Click Connect to a network.

4. You can see the SSID of the wireless Brother machine in the list. Choose SETUP and click Connect.

5. (For Windows Vista® only)
   Click Connect Anyway and then Close.

6. (Windows Vista®)
   Click View status of Wireless Network Connection (SETUP).
   (Windows® 7)
   Click Wireless Network Connection (SETUP).

7. Click Details... and check the Network Connection Details. It may take a few minutes to change from 0.0.0.0 to 169.254.x.x IP address to be shown on screen (where x.x. are numbers between 1 and 254).

• Windows® XP SP2 or greater:

You can temporarily change the wireless settings on your PC, following the steps below:

1. Click Start and then Control Panel.
2 Click **Network Connections** icon.

3 Choose and right click **Wireless Network Connection**. Click **View Available Wireless Networks**.

4 You can see the Brother wireless machine in the list. Choose **SETUP** and click **Connect**.

5 Check the **Wireless Network Connection** status. It may take a few minutes to change from 0.0.0.0 to 169.254.x.x IP address to be shown on screen (where x.x. are numbers between 1 and 254).

**Macintosh:**

You can temporarily change the wireless settings on your computer, following the steps below:

1 Click the AirPort status icon in the menu bar.

2 Select **SETUP** from the pop-up menu.

3 Your wireless network is connected successfully.

10 Choose the machine you wish to configure, and click **Next**. If the list is blank, check if the machine is powered on, and then click **Refresh**.

**Note**

The default Node name is “BRWxxxxxxxxxxxx” (where “xxxxxxxxxxxx” is your MAC Address / Ethernet Address).
The wizard will search for wireless networks available from your machine. Choose the Ad-hoc network you wish to associate the machine with, and then click **Next**.

**Note**
- If the list is blank, check if the machine is within range for wireless communication. Then, click **Refresh**.
- If your target Ad-hoc network does not appear on the list, you can manually add it by clicking the **Advanced** button. Check **This is an Ad-hoc network and there is no access point.**, and then enter the **Name (SSID)** and the **Channel** number, and then click **Next**.

If your network is not configured for Authentication and Encryption, the following screen will appear. To continue configuration, click **OK** and go to step 14.
Then enter the **Network Key** and **Confirm Network Key**, and then click **Next**.

Click **Next**. The settings will be sent to your machine.

**Note**

- The settings will remain unchanged if you click **Cancel**.
- If you want to manually enter the IP address settings of your machine, click **Change IP Address** and enter the necessary IP address settings for your network.
A wireless LAN report will automatically be printed. Choose the status as it is shown for the Connection on the wireless LAN report. Click Next. If your status is "Connection:OK", go to step 7. If your status is "Connection:Failed", go to step 6.

**Note**

If you are using WEP and your status is "Connection:OK" but your machine is not found, make sure you entered the WEP key correctly. The WEP key is case sensitive.

Click Finish. Wireless setup failed as it was unable to associate with a wireless network. Check the error code on the printed wireless LAN report and refer to Troubleshooting in the Quick Setup Guide. Then try starting from step 5 again.
To communicate with the configured wireless device, you must configure your computer to use the same wireless settings. Manually change the wireless settings on your computer to match the machine’s wireless settings shown on the wireless LAN report printed in step 16. Check the box after you confirm these settings, and then click **Next**.

Click **Finish**.

(Windows®)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please choose Install MFL-Pro Suite from the installation CD-ROM menu.

(Macintosh)
You have completed the wireless network setup. If you would like to continue installing drivers and software necessary for operating your device, please double-click Start Here OSX in the installation CD-ROM.

**Note**
If your wireless settings fail, the Wireless Device Setup Wizard will appear during the installation of MFL-Pro Suite. Confirm your settings by following the on-screen instructions.
Network menu

Before using your Brother product in a network environment, you need to configure the correct TCP/IP settings.

In this chapter, you will learn how to configure the network settings using the control panel, located on the front of the machine.

The Network menu selections of the control panel allow you to set up the Brother machine for your network configuration. Press Menu, then press ▲ or ▼ to choose Network. Proceed to the menu selection you wish to configure. (See Function table and default factory settings on page 109.)

Please note that the machine is supplied with the BRAdmin Light software and Remote Setup applications for Windows® and Macintosh, which also can be used to configure many aspects of the network. (See Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only) on page 9 for a wired connection or Changing the print server settings on page 15 for a wireless connection.)

TCP/IP

If you connect the machine with an Ethernet cable to your network, use the Wired LAN menu selections. If you connect the machine to a wireless Ethernet network, use the WLAN menu selections. (DCP-J715W, MFC-J615W and MFC-J630W only)

This menu has 9 sections: BOOT Method, IP Address, Subnet Mask, Gateway, Node Name, WINS Config, WINS Server, DNS Server and APIPA.

BOOT Method

This selection controls how the machine obtains an IP address. The default setting is Auto.

Note

If you do not want your print server configured via DHCP, BOOTP or RARP, you must set the BOOT Method to Static so that the print server has a static IP address. This will prevent the print server from trying to obtain an IP address from any of these systems. To change the BOOT Method, use the machine’s control panel, BRAdmin Light utility or Remote Setup.

1. Press Menu.

2. Press ▲ or ▼ to choose Network. Press OK.

3. For DCP-J715W, MFC-J615W and MFC-J630W
   (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.

4. Press ▲ or ▼ to choose TCP/IP. Press OK.
Control panel setup

5 Press ▲ or ▼ to choose **BOOT Method**.
Press OK.

6 (For DCP-J315W, MFC-J265W and MFC-J415W)
Press ▲ or ▼ to choose **Auto**¹, **Static**², **RARP**³, **BOOTP**⁴ or **DHCP**⁵.
Press OK.

(For DCP-J515W, DCP-J715W, MFC-J615W and MFC-J630W)
Press ▼ or ▲ to choose **Auto**¹, **Static**², **RARP**³, **BOOTP**⁴ or **DHCP**⁵.
Press OK.

7 Press **Stop/Exit**.

**1 Auto mode**
In this mode the machine will scan the network for a DHCP server. If it can find one, and if the DHCP server is configured to allocate an IP address to the machine, then the IP address supplied by the DHCP server will be used. If no DHCP server is available, then the machine will scan for a BOOTP server. If a BOOTP server is available, and it is configured correctly, the machine will take its IP address from the BOOTP server. If a BOOTP server is not available, the machine will scan for a RARP server. If a RARP server also does not answer, the IP Address is set using the APIPA protocol, see **Using APIPA to configure the IP address** on page 102. After the machine is initially powered ON, it may take a few minutes for the machine to scan the network for a server.

**2 Static mode**
In this mode the machine’s IP address must be manually assigned. Once entered the IP address is locked to the assigned address.

**3 RARP mode**
The Brother print server IP address can be configured using the Reverse ARP (RARP) service on your host computer. For more information on RARP, see **Using RARP to configure the IP address** on page 101.

**4 BOOTP mode**
BOOTP is an alternative to RARP that has the advantage of allowing configuration of the subnet mask and gateway. For more information on BOOTP, see **Using BOOTP to configure the IP address** on page 102.

**5 DHCP mode (DHCP)**
Dynamic Host Configuration Protocol (DHCP) is one of several automated mechanisms for IP address allocation. If you have a DHCP server in your network (typically a UNIX® Linux®, Windows Server® 2003/2008, Windows® 2000/XP, Windows Vista®, Windows® 7 network) the print server will automatically obtain its IP address from a DHCP server and register its name with any RFC 1001 and 1002 compliant dynamic name services.

**IP Address**
This field displays the current IP address of the machine. If you have chosen a **BOOT Method** of **Static**, enter the IP address that you wish to assign to the machine (check with your network administrator for the IP address to use). If you have chosen a method other than Static, the machine will attempt to determine its IP address using the DHCP or BOOTP protocols. The default IP address of your machine will probably be incompatible with the IP address numbering scheme of your network. We recommend that you contact your network administrator for an IP address for the network the unit will be connected on.

1 Press **Menu**.

2 Press ▲ or ▼ to choose **Network**.
Press OK.

3 For DCP-J715W, MFC-J615W and MFC-J630W
(For Wired) Press ▲ or ▼ to choose **Wired LAN**, and press OK.
(For Wireless) Press ▲ or ▼ to choose **WLAN**, and press OK.

4 Press ▲ or ▼ to choose **TCP/IP**.
Press OK.
Control panel setup

5 Press ▲ or ▼ to choose IP Address.
   Press OK.

6 Enter the IP address.
   (For MFC models) Press OK.
   (For DCP models) Press ▲, ▼, ◄ or ► to select OK, and press OK.

   Note
   For DCP models
   To enter the number, press ▲, ▼, ◄ or ► to select a number displayed on the LCD. Then press OK. Repeat this step until you have entered all the numbers.

7 Press Stop/Exit.

Subnet Mask
This field displays the current subnet mask used by the machine. If you are not using DHCP or BOOTP to obtain the subnet mask, enter the desired subnet mask. Check with your network administrator for the subnet mask to use.

1 Press Menu.

2 Press ▲ or ▼ to choose Network.
   Press OK.

3 For DCP-J715W, MFC-J615W and MFC-J630W
   (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.

4 Press ▲ or ▼ to choose TCP/IP.
   Press OK.

5 Press ▲ or ▼ to choose Subnet Mask.
   Press OK.

6 Enter the Subnet Mask address.
   (For MFC models) Press OK.
   (For DCP models) Press ▲, ▼, ◄ or ► to select OK, and press OK.

   Note
   For DCP models
   To enter the number, press ▲, ▼, ◄ or ► to select a number displayed on the LCD. Then press OK. Repeat this step until you have entered all the numbers.

7 Press Stop/Exit.
Gateway
This field displays the current gateway or router address used by the machine. If you are not using DHCP or BOOTP to obtain the gateway or router address, enter the address you wish to assign. If you do not have a gateway or router, leave this field blank. Check with your network administrator if you are unsure.

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
3. **For DCP-J715W, MFC-J615W and MFC-J630W**
   - (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   - (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.
4. Press ▲ or ▼ to choose TCP/IP. Press OK.
5. Press ▲ or ▼ to choose Gateway. Press OK.
6. **For DCP-J715W, MFC-J615W and MFC-J630W**
   - (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   - (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.
7. Press OK.

**Note**

For DCP-J715W, MFC-J615W and MFC-J630W

To enter the number, press ▲, ▼, ◄ or ► to select OK, and press OK. Repeat this step until you have entered all the numbers.

7. Press Stop/Exit.

Node Name
You can register the machine name on the Network. This name is often referred to as a NetBIOS name; it will be the name that is registered by the WINS server on your network. Brother recommends the name BRNxxxxxxxx for a wired network or BRWxxxxxxxx for a wireless network (where xxxxxxxxxx is your machine’s Ethernet address) (up to 15 characters).

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
3. **For DCP-J715W, MFC-J615W and MFC-J630W**
   - (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   - (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.
4. Press ▲ or ▼ to choose TCP/IP. Press OK.
Control panel setup

5. Press ▲ or ▼ to choose Node Name. Press OK.

6. Enter the Node Name.
   (For MFC models) Press OK.
   (For DCP models) Press ▲, ▼, ◀ or ▶ to select OK, and press OK.

Note
For DCP models, for information how to enter text, see Entering Text on page 112.

7. Press Stop/Exit.

WINS Config
This selection controls how the machine obtains the IP address of the WINS server.

1. Press Menu.

2. Press ▲ or ▼ to choose Network. Press OK.

3. For DCP-J715W, MFC-J615W and MFC-J630W
   (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.

4. Press ▲ or ▼ to choose TCP/IP. Press OK.

5. Press ▲ or ▼ to choose WINS Config. Press OK.

6. (For DCP-J315W, MFC-J265W and MFC-J415W)
   Press ▲ or ▼ to choose Auto or Static. Press OK.
   (For DCP-J515W, DCP-J715W, MFC-J615W and MFC-J630W)
   Press ◀ or ▶ to choose Auto or Static. Press OK.

7. Press Stop/Exit.

Auto
Automatically uses a DHCP request to determine the IP addresses for the primary and secondary WINS servers. You must set the BOOT Method to Auto or DHCP for this feature to work.

Static
Uses a specified IP address for the primary and secondary WINS servers.
Control panel setup

**WINS Server**

**Primary WINS Server IP Address**
This field specifies the IP address of the primary WINS (Windows® Internet Name Service) server. If set to a non-zero value, the machine will contact this server to register its name with the Windows® Internet Name Service.

**Secondary WINS Server IP Address**
This field specifies the IP address of the secondary WINS server. It is used as a backup to the Primary WINS server address. If the Primary server is unavailable, the machine still can register itself with a secondary server. If set to a non-zero value, the machine will contact this server to register its name with the Windows® Internet Name Service. If you have a primary WINS server, but no secondary WINS server, simply leave this field blank.

1. Press Menu.
2. Press ▲ or ▼ to choose Network.
   Press OK.
3. **For DCP-J715W, MFC-J615W and MFC-J630W**
   (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.
4. Press ▲ or ▼ to choose TCP/IP.
   Press OK.
5. Press ▲ or ▼ to choose WINS Server.
   Press OK.
6. Press ▲ or ▼ to choose Primary or Secondary.
   Press OK.
7. Enter the WINS Server address.
   (For MFC models) Press OK.
   (For DCP models) Press ▲, ▼, ◀ or ▶ to select ▶, and press OK.

**Note**

**For DCP models**
To enter the number, press ▲, ▼, ◀ or ▶ to select a number displayed on the LCD. Then press OK. Repeat this step until you have entered all the numbers.

8. Press Stop/Exit.
Control panel setup

DNS Server

Primary DNS Server IP Address
This field specifies the IP address of the primary DNS (Domain Name System) server.

Secondary DNS Server IP Address
This field specifies the IP address of the secondary DNS server. It is used as a backup to the Primary DNS server address. If the Primary server is unavailable, the machine will contact the Secondary DNS server.

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
3. For DCP-J715W, MFC-J615W and MFC-J630W
   (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.
4. Press ▲ or ▼ to choose TCP/IP. Press OK.
5. Press ▲ or ▼ to choose DNS Server. Press OK.
6. Press ▲ or ▼ to choose Primary or Secondary. Press OK.
7. Enter the DNS Server address.
   (For MFC models) Press OK.
   (For DCP models) Press ▲, ▼, ◀ or ▶ to select OK, and press OK.

Note

For DCP models
To enter the number, press ▲, ▼, ◀ or ▶ to select a number displayed on the LCD. Then press OK. Repeat this step until you have entered all the numbers.

8. Press Stop/Exit.

APIPA

The setting of On will cause the print server to automatically allocate a Link-Local IP address in the range (169.254.1.0 - 169.254.254.255) when the print server cannot obtain an IP address through the BOOT Method you have set (see BOOT Method on page 65). Choosing Off means the IP address doesn’t change, when the print server cannot obtain an IP address through the BOOT Method you have set.

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
Control panel setup

3 For DCP-J715W, MFC-J615W and MFC-J630W
   (For Wired) Press ▲ or ▼ to choose Wired LAN, and press OK.
   (For Wireless) Press ▲ or ▼ to choose WLAN, and press OK.

4 Press ▲ or ▼ to choose TCP/IP.
   Press OK.

5 Press ▲ or ▼ to choose APIPA.
   Press OK.

6 (For DCP-J315W, MFC-J265W and MFC-J415W)
   Press ▲ or ▼ to choose On or Off.
   Press OK.

   (For DCP-J515W, DCP-J715W, MFC-J615W and MFC-J630W)
   Press ◀ or ▶ to choose On or Off.
   Press OK.

7 Press Stop/Exit.

Setup Wizard

The Setup Wizard guides you through the wireless network configuration. For more information, see Using the Setup Wizard from the control panel on page 27.

WPS/AOSS™

If your wireless access point supports either Wi-Fi Protected Setup (PBC) or AOSS™, you can configure the machine easily without knowing your wireless network settings. Your Brother machine has the WPS/AOSS™ menu on the control panel. This feature automatically detects which mode your access point uses, Wi-Fi Protected Setup or AOSS™. By pushing a button on the wireless access point/router and the machine, you can setup the wireless network and security settings. See the User’s Guide for your wireless access point/router for instructions on how to access one-push mode. (See Using WPS or AOSS™ from the control panel menu to configure your machine for a wireless network on page 32.)

1 Push Button Configuration

WPS w/PIN code

If your wireless access point supports Wi-Fi Protected Setup (PIN Method), you can configure the machine easily without a computer. The PIN (Personal Identification Number) Method is one of the connection methods developed by the Wi-Fi Alliance®. By inputting a PIN which is created by an Enrollee (your machine) to the Registrar (a device that manages the wireless LAN), you can setup the wireless network and security settings. See the User’s Guide for your wireless access point/router for instructions on how to access the Wi-Fi Protected Setup mode. (See Using the PIN Method of Wi-Fi Protected Setup on page 34.)
WLAN Status

Status
This field displays the current wireless network status; Active(11b), Active(11g), Connection Fail, Confirm I/F or AOSS Active.

1. Press Menu.
2. Press ▲ or ▼ to choose Network.
   Press OK.
3. For DCP-J715W, MFC-J615W and MFC-J630W
   Press ▲ or ▼ to choose WLAN.
   Press OK.
4. Press ▲ or ▼ to choose WLAN Status.
   Press OK.
5. Press ▲ or ▼ to choose Status.
   Press OK.
6. The current wireless network status will be displayed; Active(11b), Active(11g), Connection Fail, Confirm I/F or AOSS Active.
7. Press Stop/Exit.

Signal
This field displays the current wireless network signal strength; Signal:Strong, Signal:Medium, Signal:Weak or Signal:None.

1. Press Menu.
2. Press ▲ or ▼ to choose Network.
   Press OK.
3. For DCP-J715W, MFC-J615W and MFC-J630W
   Press ▲ or ▼ to choose WLAN.
   Press OK.
4. Press ▲ or ▼ to choose WLAN Status.
   Press OK.
5. Press ▲ or ▼ to choose Signal.
   Press OK.
6. The current wireless network signal strength will be displayed; Signal:Strong, Signal:Medium, Signal:Weak or Signal:None.
7. Press Stop/Exit.
SSID
This field displays the current wireless network SSID. The display shows up to 32 characters of the SSID name.

1. Press Menu.
2. Press ▲ or ▼ to choose Network.
   Press OK.
3. For DCP-J715W, MFC-J615W and MFC-J630W
   Press ▲ or ▼ to choose WLAN.
   Press OK.
4. Press ▲ or ▼ to choose WLAN Status.
   Press OK.
5. Press ▲ or ▼ to choose SSID.
   Press OK.
6. The current wireless network SSID will be displayed.
7. Press Stop/Exit.

Comm.Mode
This field displays the current wireless network communication mode; Ad-hoc or Infrastructure.

1. Press Menu.
2. Press ▲ or ▼ to choose Network.
   Press OK.
3. For DCP-J715W, MFC-J615W and MFC-J630W
   Press ▲ or ▼ to choose WLAN.
   Press OK.
4. Press ▲ or ▼ to choose WLAN Status.
   Press OK.
5. Press ▲ or ▼ to choose Comm. Mode.
   Press OK.
6. The current wireless network communication mode will be displayed; Ad-hoc or Infrastructure.
7. Press Stop/Exit.
**Ethernet (DCP-J715W, MFC-J615W and MFC-J630W only)**

Ethernet link mode. Auto allows the print server to operate in 100BaseTX full or half duplex, or in 10BaseT full or half duplex mode by auto negotiation.

You can fix the server link mode to 100BASE-TX Full Duplex (100B-FD) or Half Duplex (100B-HD) and 10BASE-T Full Duplex (10B-FD) or Half Duplex (10B-HD). This change is valid after the print server has been reset (default is Auto).

⚠️ **Note**

If you incorrectly set this value, you may not be able to communicate with your print server.

1. Press **Menu**.
2. Press ▲ or ▼ to choose **Network**.
   Press **OK**.
3. Press ▲ or ▼ to choose **Wired LAN**.
   Press **OK**.
4. Press ▲ or ▼ to choose **Ethernet**.
   Press **OK**.
5. Press ▼ or ▼ to choose **Auto/100B-FD/100B-HD/10B-FD/10B-HD**.
   Press **OK**.
6. Press **Stop/Exit**.

**MAC Address**

The MAC address is a unique number assigned for the machine’s network interface. You can check your machine’s MAC address from the control panel.

1. Press **Menu**.
2. Press ▲ or ▼ to choose **Network**.
   Press **OK**.
3. **For DCP-J715W, MFC-J615W and MFC-J630W**
   (For Wired) Press ▲ or ▼ to choose **Wired LAN**, and press **OK**.
   (For Wireless) Press ▲ or ▼ to choose **WLAN**, and press **OK**.
4. Press ▲ or ▼ to choose **MAC Address**.
   Press **OK**.
5. Press **Stop/Exit**.
Network I/F (For DCP-J715W, MFC-J615W and MFC-J630W)

You can choose the network connection type, wired network connection or wireless network connection. If you want to use the wired network connection, choose Wired LAN, and if you want to use the wireless network connection, choose WLAN. You can only have one network connection type active at a time.

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
3. Press ▲ or ▼ to choose Network I/F. Press OK.
4. Press ▲ or ▼ to choose Wired LAN or WLAN. Press OK.
5. Press Stop/Exit.

WLAN Enable (For DCP-J315W, DCP-J515W, MFC-J265W and MFC-J415W)

If you want to use the wireless network connection, set WLAN Enable to On. The default setting is Off.

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
3. Press ▲ or ▼ to choose WLAN Enable. Press OK.
4. Press ▲ or ▼ to choose On or Off. Press OK.
5. Press Stop/Exit.
Control panel setup

Restoring the network settings to factory default

If you wish to reset the print server back to its default factory settings (resetting all information such as the password and IP address information), please follow these steps:

![Note]
This function restores all wired and wireless network settings to the factory default.

1. Press Menu.
2. Press ▲ or ▼ to choose Network. Press OK.
3. Press ▲ or ▼ to choose Network Reset. Press OK.
4. Press 1 for Reset.
5. Press 1 for Reboot.

![Note]
For DCP models, press + for Network Reset and then press + for Reboot.

6. The machine will re-start.
(For DCP-J715W, MFC-J615W and MFC-J630W) You can now reconnect the network cable and configure the network settings to work with your network.
Printing the Network Configuration List

Note

Node Name: Node Name appears in the Network Configuration List. The default Node Name is “BRNxxxxxxxxxxxx” for a wired network or “BRWxxxxxxxxxxxx” for a wireless network (“xxxxxxxxxxxx” is your machine’s MAC Address / Ethernet Address).

The Network Configuration List prints a report listing the current network configuration including the network print server settings.

1. Press Menu.
2. Press ▲ or ▼ to choose Print Reports. Press OK.
3. Press ▲ or ▼ to choose Network Config. Press OK.
4. (For US) Press Black Start or Color Start. (For UK) Press Mono Start or Colour Start.
Printing the WLAN Report

The WLAN Report shows you the state of a wireless connection, OK or Failed. You can also see reasons why the connection error occurred, and methods to help solve the problem.

1. Press Menu.
2. Press ▲ or ▼ to choose Print Reports. Press OK.
3. Press ▲ or ▼ to choose WLAN Report. Press OK.
4. (For US) Press Black Start or Color Start.
   (For UK) Press Mono Start or Colour Start.

Note
• If the WLAN Report does not print, try starting step 1 again after a while.
• For a list of error codes displayed by the WLAN Report see Troubleshooting in the Quick Setup Guide.
Overview

The Driver Deployment Wizard software can be used to ease the installation or even automate the installation of network connected printers. The Driver Deployment Wizard can also be used to create self running executable files which when run on a remote PC, completely automate the installation of a printer driver. The remote PC does not have to be connected to a network.

Connection methods

The Driver Deployment Wizard supports the two connection methods.

Peer-to-Peer

The device is connected to the network but each user prints directly to the machine WITHOUT printing through a central queue.

1 Client Computer
2 Network Printer (your machine)
Network Shared

The device is connected to a network and a central print queue is used to manage all print jobs.

1 Client computer
2 Also known as “Server” or “Print Server”
3 TCP/IP or USB
4 Printer (your machine)
How to install the Driver Deployment Wizard software

1. Put the supplied installation CD-ROM into your CD-ROM drive. If the model name screen appears, choose your machine. If the language screen appears, choose your language.

2. The CD-ROM main menu will appear. Click Advanced, then Network Utilities.

3. Choose the Driver Deployment Wizard installation program.

Note

For Windows Vista® and Windows® 7, when the User Account Control screen appears, click Continue or Yes.

4. Click Next in response to the Welcome message.

5. Read the license agreement carefully. Then follow the on-screen instructions.

6. Click Finish. Now the Driver Deployment Wizard software has been installed.
Using the Driver Deployment Wizard software

1. When you run the Wizard for the first time you will see a welcome screen. Click **Next**.
2. Choose **MFC**, and then click **Next**.
3. Choose your connection type to the machine that you want to print to.
4. Choose the option you require, and follow the on-screen instructions.
   If you choose **Brother Peer-to-Peer Network Printer**, the following screen is displayed.

- **Setting the IP Address**

  If the machine does not have an IP address, the Wizard will allow you to change the IP address by choosing the machine from the list and by choosing the **Configure IP** option. A dialog box then appears which allows you to specify information such as the IP address, subnet mask and also the gateway address.
5 Choose the machine you wish to install.
- If the printer driver you wish to use is installed on your computer:
  Check the box of Currently installed drivers and choose the machine you wish to install, and then click Next.
- If the driver you wish to use is not installed on your computer:
  Click Have Disk and then specify the path of the printer driver.

6 Click Next after you choose the correct driver.

7 A summary screen will appear. Confirm the settings of the driver.

Creating an executable file

The Driver Deployment Wizard software can also be used to create self running .EXE files. These self-running .EXE files can be saved to the network, copied to a CD-ROM, a floppy disc or even E-mailed to another user. Once run, the driver and its settings are automatically installed without any user intervention.

- Copy the Driver files to this PC and create an installation program for other users.
  Choose this option if you wish to install the driver onto your computer and also create a self-running executable file for use with another computer using the same operating system as your own.
- Only create an Installation Program for other users.
  Choose this option if the driver is already installed on your computer and you wish to create a self-running executable file without installing the driver again on your own computer.
**Note**

If you work in a “queue” based network and you create an executable file for another user who does not have access to the same printer queue that you define into the executable file, the driver when installed on the remote computer will default to LPT1 printing.

8 Click **Finish**. The driver is automatically installed to your computer.
Overview

To connect your machine to your network, you need to follow the steps in the Quick Setup Guide. We recommend that you use the Brother installer application on the installation CD-ROM which we have provided with the machine. By using this application, you can easily connect your machine to your network and install the network software and printer driver which you need to complete the configuration of your machine for a network. You will be guided by the on-screen instructions until you are able to use your Brother network printer.

If you are a Windows® user and want to configure your machine without using the Brother installer application, use the TCP/IP protocol in a Peer-to-Peer environment. Please follow the instructions in this chapter. This chapter explains how to install the network software and the printer driver which you will need to be able to print using your network printer.

**Note**

- You must configure the IP address on your machine before you proceed with this chapter. If you need to configure the IP address, see Setting up the IP address and subnet mask on page 12 first.
- Verify the host computer and the machine are either on the same subnet, or that the router is properly configured to pass data between the two devices.
- If you are connecting to a Network Print Queue or Share (printing only), see Installation when using a Network Print Queue or Share (printer driver only) on page 104 for installation details.
Network printing from Windows® basic TCP/IP Peer-to-Peer printing

Configuring the standard TCP/IP port

Printer driver not yet installed

1. Put the supplied installation CD-ROM into your CD-ROM drive. If the model name screen appears, choose your machine. If the language screen appears, choose your language.

2. The CD-ROM main menu will appear. Click Advanced.

3. Click Printer Driver Only (for Network).


5. Choose Brother Peer-to-Peer Network Printer, and then click Next.

6. Follow the on-screen instructions.

Note
Contact your administrator if you are not sure about the location and name of the printer on the network.

7. Continue through the Wizard clicking Finish when complete.
Network printing from Windows® basic TCP/IP Peer-to-Peer printing

Printer driver already installed

If you have already installed the printer driver and wish to configure it for network printing, follow these steps:

1. (Windows® 7) Click the button, Control Panel, Hardware and Sound, and then Device and Printers. (Windows Vista®)
   Click the button, Control Panel, Hardware and Sound, and then Printers.
   (Windows Server® 2008)
   Click the Start button, Control Panel, Hardware and Sound, and then Printers.
   (Windows® XP and Windows Server® 2003)
   Click the Start button and choose Printers and Faxes.
   (Windows® 2000)
   Click the Start button and choose Settings and then Printers.

2. (Windows® 7)
   Choose the printer driver you wish to configure, and then click Print server properties from the menu. (Other Windows® Operating Systems)
   Right click on the printer driver you wish to configure, and then choose Properties.

3. Click the Ports tab and click Add Port.

4. Choose the port that you wish to use. Typically this would be Standard TCP/IP Port. Then click the New Port... button.

5. (Windows® 7)
   The Add Standard TCP/IP Printer Port Wizard will start.
   (Other Windows® Operating Systems)
   The Standard TCP/IP Port Wizard will start.

6. Enter the IP address of your network printer. Click Next.

7. Click Finish.

8. (Windows® 7)
   Close Printer Ports and Printer Server Properties dialog box. (Other Windows® Operating Systems)
   Close Printer Ports and Properties dialog box.
Other sources of information

See Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only) on page 9 to learn how to configure the IP address of the machine.
Overview

This chapter explains how to print from a Macintosh on a Network using the Simple Network Configuration capabilities on Mac OS X 10.4.11 - 10.6.x.

For updated information on printing from a Macintosh, visit the Brother Solutions Center at: http://solutions.brother.com/

How to choose the print server (TCP/IP)

For Mac OS X 10.4.11

1. Turn on the machine by plugging in the power cord.
2. From the Go menu, choose Applications.
3. Open the Utilities folder.
4. Double-click the Printer Setup Utility Icon.
5. Click Add.
6. Choose Brother MFC-XXXX (XXXX is your model name), and then click Add.
7. Click the printer, then click Make Default to set the printer as the default printer. The printer is now ready.
Network printing from a Macintosh

For Mac OS X 10.5.x, 10.6.x

1. Turn on the machine by plugging in the power cord.
2. From the Apple menu, choose System Preferences.
3. Click Print & Fax.
4. Click + button to add your machine.

5. Choose Brother MFC-XXXX (XXXX is your model name), and then click Add.

6. From the Default Printer pop-up menu choose your model to set as the default printer. The printer is now ready.
Changing the print server settings

Changing the configuration using the Remote Setup (MFC-J615W and MFC-J630W only)

From a Macintosh, you can change the machine or print server parameters using the Remote Setup application. (See Using the Remote Setup to change the print server settings (MFC-J615W and MFC-J630W only) (Not available for Windows Server® 2003/2008) on page 17.)

Using the BRAdmin Light utility to change the print server settings

Brother BRAdmin Light utility is a Java application that is designed for Mac OS X 10.4.11 - 10.6.x environment. BRAdmin Light allows you to change network settings on Brother network ready machine.

Note

• Please use the BRAdmin Light utility that was supplied on the installation CD-ROM of your Brother product. You can also download the latest version of the BRAdmin Light utility from http://solutions.brother.com/
• Node Name: Node Name appears in current BRAdmin Light. The default Node Name is BRNxxxxxxxxxxxx for a wired network or BRWxxxxxxxxxxxx for a wireless network (where xxxxxxxxxxxx is your machine’s Ethernet address).

1 Start the BRAdmin Light utility, by double-clicking the Macintosh HD icon on your desk top and clicking Library / Printers / Brother / Utilities. And then, double-click the BRAdmin Light.jar file.
2 Choose the print server which you want to change the settings.
3 Choose Configure Print Server from the Control menu.
4 Enter a password if you have set it. You can now change the print server settings.
Other sources of information


2. See Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only) on page 9 to learn how to configure the IP address of the machine.
Overview

This chapter explains how to resolve typical network problems you may encounter when using the machine. If, after reading this chapter, you are unable to resolve your problem, please visit the Brother Solutions Center at: http://solutions.brother.com/

Make sure that the following items are configured before reading this chapter.

<table>
<thead>
<tr>
<th>First check the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>The power cord is connected properly and the machine is turned on.</td>
</tr>
<tr>
<td>The access point, router or hub are turned on and its link light is blinking.</td>
</tr>
<tr>
<td>All protective packaging has been removed from the machine.</td>
</tr>
<tr>
<td>The ink cartridges are installed properly.</td>
</tr>
<tr>
<td>The front and back covers are fully closed.</td>
</tr>
<tr>
<td>Paper is inserted properly in the paper tray.</td>
</tr>
<tr>
<td>(For wired networks) A network cable is securely connected to the machine and the router or hub.</td>
</tr>
</tbody>
</table>

Go to the page for your solution from the lists below:

- I cannot complete the wireless network setup configuration. (See page 94.)
- The machine is not found on the network during the MFL-Pro Suite installation. (See page 95.)
- The machine cannot print or scan over the network. (See page 96.)
- The machine is not found on the network even after successful installation. (See page 96.)
- I’m using security software. (See page 98.)
- I want to check my network devices are working properly. (See page 99.)

I cannot complete the wireless network setup configuration.

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is your SSID correct?</td>
<td>wireless</td>
<td>■ Reconfirm and choose the correct SSID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ The default SSID may be provided on a label attached to the wireless access point/router. Or the manufacturer’s name or model no. of the wireless access point/router may be used as the default SSID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ See the instructions supplied with your wireless access point/router for information on how to find the SSID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ Ask the manufacturer of your wireless access point/router or ask to your Internet provider or network administrator.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ For information on what the SSID is, see SSID (Service Set Identifier) and channels on page 19.</td>
</tr>
</tbody>
</table>
I cannot complete the wireless network setup configuration. (continued)

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
</table>
| Is your Network Key correct? | wireless | Reconfirm and choose the correct Network Key.  
- The default Network Key may be provided on a label attached to the wireless access point/router.  
- See the instructions supplied with your wireless access point/router for information on how to find the Network Key.  
- Ask the manufacturer of your wireless access point/router or ask your Internet provider or network administrator.  
- For information on what the Network Key is, see *Network Key* on page 20. |
| Are you using MAC address filtering? | wireless | Confirm that the MAC address of the Brother machine is allowed in the filter. You can find the MAC address from the machine's control panel. (See *MAC Address* on page 75.) |
| Is your wireless access point/router in stealth mode? | wireless | You should type the correct SSID name or Network Key by hand.  
- Check the SSID name or the Network Key in the instructions supplied with your wireless access point/router and reconfigure the wireless network setup. (For more information, see *Configuring your machine when the SSID is not broadcast* on page 29.) |
| I have checked and tried all of the above, but still cannot complete the wireless configuration. Is there anything else I can do? | wireless | Use the Network Connection Repair Tool. (See *(Windows®)* Confirming the IP address and the Subnet Mask using the Network Connection Repair Tool. on page 97.) |

The machine is not found on the network during the MFL-Pro Suite installation.

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
</table>
| Are you using security software? | wired/ wireless | Confirm your settings on the installer dialog.  
- Allow network access to the following programs if your security software displays an alert message during MFL-Pro Suite installation.  
- BrC3Rgin.exe  
- BrmIPMon  
- Brother Status Monitor (Network)  
- ControlCenter Program  
- Generic Host Process f...  
- Setup.exe  
- Spooler SubSysytem App  
- wds MFC Application  
- For more information about security software, see *I’m using security software.* on page 98. |
| Is your machine placed too far from the wireless access point/router? | wireless | Place your machine within about 3.3 feet (1 meter) from the wireless access point/router when you configure the wireless network settings. |
The machine is not found on the network during the MFL-Pro Suite installation. (continued)

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are there any obstructions (walls or furniture, for example) between your machine and the wireless access point/router?</td>
<td>wireless</td>
<td>Move your machine to an obstruction-free area, or closer to the wireless access point/router.</td>
</tr>
<tr>
<td>Is there a wireless computer, Bluetooth supported device, microwave oven or digital cordless phone near the machine or the wireless access point/router?</td>
<td>wireless</td>
<td>Move all the devices away from the machine or wireless access point/router.</td>
</tr>
</tbody>
</table>

The machine cannot print or scan over the network.
The machine is not found on the network even after successful installation.

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are you using security software?</td>
<td>wired/wireless</td>
<td>See I'm using security software. on page 98.</td>
</tr>
</tbody>
</table>
| Is your machine assigned with an available IP address? | wired/wireless  | ■ Confirming the IP address and the Subnet Mask  
Verify that both the IP addresses and Subnet Masks of your computer and the Brother machine are correct and located on the same network.  
For more information on how to verify the IP address and the Subnet Mask, ask the network administrator or visit the Brother Solutions Center at http://solutions.brother.com/  
■ (Windows®)  
If you cannot print to your machine over the network, and the network setting confirmation screen appears, do one of the following.  
• Follow the on-screen instructions, and if the problem is solved, click Complete.  
• If the problem is not solved, click Next, and follow the on-screen instructions. The Network connection repair tool will automatically start and try to correct your network printing problem.  

Note  
If the User Account Control screen appears,  
(Windows Vista®) Click Continue.  
(Windows® 7) Click Yes.  
When you have completed the instructions click on Print Test Page from the tool. The test page will confirm the network connection to the machine is working.  


The machine cannot print or scan over the network.
The machine is not found on the network even after successful installation. (continued)

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
</table>
| Did your previous printing job fail? | wired/wireless | ■ If the failed printing job is still in the print queue of your computer delete it.  
| | | ■ (Windows®)  
### The machine cannot print or scan over the network.
The machine is not found on the network even after successful installation. (continued)

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are you connecting the Brother machine to the network using wireless</td>
<td>wireless</td>
<td>- Print the WLAN Report to confirm the state of a wireless connection. (For how to print, see Printing the WLAN Report on page 79.)&lt;br&gt;- If there is an error code on the printed WLAN report see Troubleshooting in the Quick Setup Guide.&lt;br&gt;- See The machine is not found on the network during the MFL-Pro Suite installation. on page 95.</td>
</tr>
<tr>
<td>technologies?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I have checked and tried all of above, however the machine does not</td>
<td>wired/w</td>
<td>Uninstall the MFL-Pro Suite and reinstall it.</td>
</tr>
<tr>
<td>print/scan. Is there anything else I can do?</td>
<td>wireless</td>
<td></td>
</tr>
</tbody>
</table>

### I'm using security software.

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did you choose to accept the security alert dialog during the MFL-Pro</td>
<td>wired/w</td>
<td>If you did not choose to accept the security alert dialog, the firewall function of your security software may be rejecting access. Some security software might block access without showing a security alert dialog. To allow access, see the instructions of your security software or ask the manufacturer.</td>
</tr>
<tr>
<td>Suite or BRAdmin Light installation or when using the printing/</td>
<td>wireless</td>
<td></td>
</tr>
<tr>
<td>scanning features?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I want to know the necessary port number for the security software</td>
<td>wired/w</td>
<td>The following port numbers are used for Brother network features:&lt;br&gt;- Network scanning – Port number 54925 / Protocol UDP&lt;br&gt;- PC-FAX RX – Port number 54926 / Protocol UDP&lt;br&gt;- Network scanning/printing, PC-FAX RX, Remote Setup – Port number 137 / Protocol UDP&lt;br&gt;- BRAdmin Light – Port number 161 / Protocol UDP&lt;br&gt;For details on how to open the port, see the instructions of the security software or ask the manufacturer.</td>
</tr>
<tr>
<td>settings.</td>
<td>wireless</td>
<td></td>
</tr>
</tbody>
</table>
### I want to check my network devices are working properly.

<table>
<thead>
<tr>
<th>Question</th>
<th>Interface</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is your Brother machine, access point/router or network hub turned on?</td>
<td>wired/wireless</td>
<td>Make sure you have confirmed all instructions in <em>Make sure that the following items are configured before reading this chapter.</em> on page 94.</td>
</tr>
<tr>
<td>Where can I find the machine’s network settings, such as IP address?</td>
<td>wired/wireless</td>
<td>Printing the Network Configuration List. See <em>Printing the Network Configuration List</em> on page 78.</td>
</tr>
<tr>
<td>Check the <strong>Link Status</strong> in the Network Configuration List.</td>
<td>wired/wireless</td>
<td>Printing the Network Configuration List and check that <strong>Ethernet Link Status</strong> or <strong>Wireless Link Status</strong> is <strong>Link OK</strong>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If the Link Status shows <strong>Link Down</strong> or <strong>Failed to Associate</strong>, start over again from the <em>Make sure that the following items are configured before reading this chapter.</em> on page 94.</td>
</tr>
<tr>
<td>Is the Brother machine connecting to the wireless network?</td>
<td>wireless</td>
<td>Print the WLAN Report to confirm the state of a wireless connection. <em>(For how to print, see <em>Printing the WLAN Report</em> on page 79.)</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>If there is an error code on the printed WLAN report see <em>Troubleshooting</em> in the <em>Quick Setup Guide.</em></td>
</tr>
</tbody>
</table>
Using services

A service is a resource that can be accessed by computers that wish to print to the Brother print server. The Brother print server provides the following predefined services.

<table>
<thead>
<tr>
<th>Service (Example)</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINARY_P1</td>
<td>TCP/IP binary, NetBIOS service</td>
</tr>
<tr>
<td>TEXT_P1</td>
<td>TCP/IP text service (adds carriage return after each line feed)</td>
</tr>
<tr>
<td>BRNxxxxxx</td>
<td>TCP/IP binary</td>
</tr>
</tbody>
</table>

Where xxxxxxxxxxxxxx is your machine’s MAC Address / Ethernet Address.

Other ways to set the IP address (for advanced users and administrators)

For information on how to configure your machine for a network using the BRAdmin Light utility, see Setting up the IP address and subnet mask on page 12.

Using DHCP to configure the IP address

The Dynamic Host Configuration Protocol (DHCP) is one of several automated mechanisms for IP address allocation. If you have a DHCP server in your network, the print server will automatically obtain its IP address from DHCP server and register its name with any RFC 1001 and 1002-compliant dynamic name services.

Note

If you do not want your print server configured via DHCP, BOOTP or RARP, you must set the BOOT METHOD to static so that the print server has a static IP address. This will prevent the print server from trying to obtain an IP address from any of these systems. To change the BOOT METHOD, use the BRAdmin Light utility.
Using RARP to configure the IP address

The Brother print server’s IP address can be configured using the Reverse ARP (RARP) facility on your host computer. This is done by editing the /etc/ethers file (if this file does not exist, you can create it) with an entry similar to the following:

00:80:77:31:01:07  BRN008077310107 (or BRW008077310107 for a wireless network)

Where the first entry is the MAC Address (Ethernet Address) of the print server and the second entry is the name of the print server (the name must be the same as the one you put in the /etc/hosts file).

If the RARP daemon is not already running, start it (depending on the system the command can be rarpd, rarpd -a, in.rarpd -a or something else; type man rarpd or refer to your system documentation for additional information). To verify that the RARP daemon is running on a Berkeley UNIX® based system, type the following command:

ps  -ax | grep  -v grep | grep  rarpd

For AT&T UNIX®-based systems, type:

ps  -ef | grep  -v grep | grep  rarpd

The Brother print server will get the IP address from the RARP daemon when the machine is powered on.
Using BOOTP to configure the IP address

BOOTP is an alternative to RARP that has the advantage of allowing configuration of the subnet mask and gateway. In order to use BOOTP to configure the IP address make sure that BOOTP is installed and running on your host computer (it should appear in the /etc/services file on your host as a real service; type man bootpd or refer to your system documentation for information). BOOTP is usually started up via the /etc/inetd.conf file, so you may need to enable it by removing the “#” in front of the bootp entry in that file. For example, a typical bootp entry in the /etc/inetd.conf file would be:

#bootp dgram udp wait /usr/etc/bootpd bootpd -i

Depending on the system, this entry might be called “bootps” instead of “bootp”.

Note

In order to enable BOOTP, simply use an editor to delete the “#” (if there is no “#”, then BOOTP is already enabled). Then edit the BOOTP configuration file (usually /etc/bootptab) and enter the name, network type (1 for Ethernet), MAC Address (Ethernet Address) and the IP address, subnet mask and gateway of the print server. Unfortunately, the exact format for doing this is not standardized, so you will need to refer to your system documentation to determine how to enter this information (many UNIX® systems also have template examples in the bootptab file that you can use for reference). Some examples of typical /etc/bootptab entries include: (“BRN” below is “BRW” for a wireless network.)

BRN008077310107 1 00:80:77:31:01:07 192.189.207.3

and:

BRN008077310107:ht=ethernet:ha=008077310107:\ip=192.189.207.3:

Certain BOOTP host software implementations will not respond to BOOTP requests if you have not included a download filename in the configuration file; if this is the case, simply create a null file on the host and specify the name of this file and its path in the configuration file.

As with RARP, the print server will load its IP address from the BOOTP server when the machine is powered on.

Using APIPA to configure the IP address

The Brother print server supports the Automatic Private IP Addressing (APIPA) protocol. With APIPA, DHCP clients automatically configure an IP address and subnet mask when a DHCP server is not available. The device chooses it's own IP address in the range 169.254.1.0 through to 169.254.254.255. The subnet mask is automatically set to 255.255.0.0 and the gateway address is set to 0.0.0.0.

By default, the APIPA protocol is enabled. If you want to disable the APIPA protocol, you can disable it using control panel of the machine. For more information, see APIPA on page 71.
Using ARP to configure the IP address

If you are unable to use the BRAdmin application and your network does not use a DHCP server, you can also use the ARP command. The ARP command is available on Windows® systems that have TCP/IP installed as well as UNIX® systems. To use ARP enter the following command at the command prompt:

```
arp -s ipaddress ethernetaddress
```

Where `ethernetaddress` is the Ethernet address (MAC address) of the print server and `ipaddress` is the IP address of the print server. For example:

- **Windows®**
  
  Windows® systems require the dash “-” character between each digit of the MAC Address (Ethernet Address).

  ```
  arp -s 192.168.1.2 00-80-77-31-01-07
  ```

- **UNIX®/Linux®**
  
  Typically, UNIX® and Linux® systems require the colon “:” character between each digit of the MAC Address (Ethernet Address).

  ```
  arp -s 192.168.1.2 00:80:77:31:01:07
  ```

**Note**

You must be on the same Ethernet segment (that is, there cannot be a router between the print server and operating system) to use the `arp -s` command.

If there is a router, you may use BOOTP or other methods described in this chapter to enter the IP address. If your Administrator has configured the system to deliver IP addresses using BOOTP, DHCP or RARP your Brother print server can receive an IP address from any one of these IP address allocation systems. In which case, you will not need to use the ARP command. The ARP command only works once. For security reasons, once you have successfully configured the IP address of a Brother print server using the ARP command, you cannot use the ARP command again to change the address. The print server will ignore any attempts to do this. If you wish to change the IP address again, use factory reset the print server (which will then allow you to use the ARP command again).

To configure the print server and to verify the connection, enter the following command `ping ipaddress` where `ipaddress` is the IP address of the print server. For example, `ping 192.189.207.2`. 

Installation when using a Network Print Queue or Share (printer driver only)

**Note**
If you are going to connect to a shared printer on your network, we recommend that you ask your system administrator about the queue or share name for the printer prior to installation.

1. Start the CD-ROM installation menu program according to the *Quick Setup Guide*.
2. Choose the model name and your language (if necessary), and then click **Advanced**.
3. Click **Printer Driver Only (for Network)**.
4. Choose **Standard** and click **Next**.
5. Choose **Network Shared Printer**, and then click **Next**.
6. Choose your printer's queue, and then click **OK**.

**Note**
Contact your administrator if you are not sure about the location and name of the printer on the network.

7. Click **Finish**.
Appendix A

Installation when using Web Services (Windows Vista® and Windows® 7)

**Note**

- You must configure the IP address on your machine before you proceed with this section. If you have not configured the IP address, see Configuring your machine for a network with an Ethernet cable connection (DCP-J715W, MFC-J615W and MFC-J630W only) on page 9 first.
- Verify the host computer and print server are either on the same subnet, or that the router is properly configured to pass data between the two devices.
- Only printer support is installed with Web Services.

1. Insert the installation CD-ROM.
2. Choose your CD-ROM drive/`install/driver/gdi/32` or `64`.
3. Choose your language and then double-click `DPIns.exe`.
4. (Windows Vista®)
   - Click , then choose **Network**.
4. (Windows® 7)
   - Click , **Control Panel**, `Network and Internet`, and then **View network computers and devices**.
5. The machine’s Web Services Name will be shown with the printer icon. Right click the machine you want to install.

**Note**

The Web Services Name for the Brother machine is your model name and the MAC Address (Ethernet Address) of your machine (e.g. Brother MFC-XXXX [XXXXXXXXXXXXX]).

6. From the pull down menu, click **Install**.
Appendix B

Print server specifications

Wired network (DCP-J715W, MFC-J615W and MFC-J630W only)

<table>
<thead>
<tr>
<th>Network Board Model name</th>
<th>NC-210h</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN</td>
<td>You can connect your machine to a network for Network Printing, Network Scanning, and PC Fax Send ¹, PC Fax Receive ² (Windows® only) and Remote Setup ¹. Also included is Brother BRAdmin Light ² Network Management software.</td>
</tr>
<tr>
<td>Protocols</td>
<td>IPv4: ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, FTP Server, SNMPv1, TFTP server, ICMP, Web Services (Print), LLTD responder</td>
</tr>
<tr>
<td>Network Type Management utilities ⁵</td>
<td>Ethernet 10/100 BASE-TX Auto Negotiation</td>
</tr>
<tr>
<td>BRAdmin Light for Windows® 2000 Professional, Windows® XP, Windows® XP Professional x64 Edition, Windows Vista®, Windows® 7 and Mac OS X 10.4.11 - 10.5.x - 10.6.x ⁴</td>
<td></td>
</tr>
</tbody>
</table>

¹ Not available for DCP-J715W.
² If you require more advanced printer management, use the latest Brother BRAdmin Professional 3 utility version that is available as a download from http://solutions.brother.com/.
³ Printing only for Windows Server® 2003/2008
⁴ For the latest driver updates for the Mac OS X you are using, visit us at http://solutions.brother.com/
⁵ Web BRAdmin and BRAdmin Professional 3 are available as a download from http://solutions.brother.com/
## Wireless network

<table>
<thead>
<tr>
<th><strong>Network Board Model name</strong></th>
<th>NC-220w</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LAN</strong></td>
<td>You can connect your machine to a network for Network Printing, Network Scanning, and PC Fax Send (^1), PC Fax Receive (^2) (Windows® only) and Remote Setup (^2). Also included is Brother BRAdmin Light (^3) Network Management software.</td>
</tr>
</tbody>
</table>
Mac OS X 10.4.11 - 10.5.x - 10.6.x \(^5\) |
| **Protocols**              | IPv4: ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, FTP Server, SNMPv1, TFTP server, ICMP, Web Services (Print), LLTD responder |
| **Network Type**           | IEEE 802.11 b/g (Wireless LAN) |
| **Management utilities** \(^6\) | BRAdmin Light for Windows® 2000 Professional, Windows® XP, Windows® XP Professional x64 Edition, Windows Vista®, Windows® 7 and Mac OS X 10.4.11 - 10.5.x - 10.6.x  
Client computers with a web browser supporting Java. |
| **Frequency**              | 2412-2472 MHz |
| **RF channels**            | USA/Canada 1-11  
Others 1-13 |
| **Communication mode**     | Infrastructure, Ad-hoc (802.11b only) |
| **Data rates**             | 802.11b 11/5.5/2/1 Mbps  
802.11g 54/48/36/24/18/12/11/9/6/5.5/2/1 Mbps |
| **Link distance**          | 70m (233 ft.) at lowest data rate (The distance rate will vary upon environment and other equipment location.) |
| **Network Security**       | SSID (32 chr), WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (AES) |
| **Setup Support Utility**  | Wi-Fi Protected Setup, AOSS™ |
Appendix B

1. Not available for DCP models.
2. Not available for DCP models, MFC-J265W and MFC-J415W
3. If you require more advanced printer management, use the latest Brother BRAdmin Professional 3 utility version that is available as a download from http://solutions.brother.com/
5. For the latest driver updates for the Mac OS X you are using, visit us at http://solutions.brother.com/
6. Web BRAdmin and BRAdmin Professional 3 are available as a download from http://solutions.brother.com/
## Function table and default factory settings

**For DCP-J315W, DCP-J515W, MFC-J265W and MFC-J415W**

<table>
<thead>
<tr>
<th>Level1</th>
<th>Level2</th>
<th>Level3</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network</td>
<td>TCP/IP</td>
<td>BOO Method</td>
<td>Auto/Static/RARP/BOOTP/DHCP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IP Address</td>
<td>[000-255].[000-255].[000-255].[000-255].[000].[000].[000].[000] ¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Subnet Mask</td>
<td>[000-255].[000-255].[000-255].[000-255].[000].[000].[000].[000] ¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gateway</td>
<td>[000-255].[000-255].[000-255].[000-255].[000].[000].[000].[000]</td>
</tr>
<tr>
<td></td>
<td>Node Name</td>
<td></td>
<td>BRWxxxxxxxxxxxxxxxx= (your machine’s Ethernet address)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(up to 15 characters)</td>
</tr>
<tr>
<td></td>
<td>WINS Config</td>
<td></td>
<td>Auto/Static</td>
</tr>
<tr>
<td></td>
<td>WINS Server</td>
<td>Primary/Secondary</td>
<td>[000-255].[000-255].[000-255].[000-255].[000].[000].[000].[000]</td>
</tr>
<tr>
<td></td>
<td>DNS Server</td>
<td>Primary/Secondary</td>
<td>[000-255].[000-255].[000-255].[000-255].[000].[000].[000].[000]</td>
</tr>
<tr>
<td></td>
<td>APIPA</td>
<td></td>
<td>On/Off</td>
</tr>
<tr>
<td></td>
<td>Setup Wizard</td>
<td></td>
<td>— (Choose SSID from list or manually add SSID)</td>
</tr>
<tr>
<td></td>
<td>WPS/AOSS</td>
<td></td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>WPS w/PIN Code</td>
<td></td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>WLAN Status</td>
<td>Status</td>
<td>Active(11b)/Active(11g)/Connection Fail/Confirm I/F/AOSS Active</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Signal</td>
<td>Signal:Strong/Signal:Medium/Signal:Weak/Signal:None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SSID</td>
<td>(Shows SSID with up to 32 digits)</td>
</tr>
<tr>
<td></td>
<td>MAC Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>WLAN Enable</td>
<td></td>
<td>On/Off</td>
</tr>
<tr>
<td></td>
<td>Network Reset</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## For DCP-J715W, MFC-J615W and MFC-J630W

<table>
<thead>
<tr>
<th>Level1</th>
<th>Level2</th>
<th>Level3</th>
<th>Options1</th>
<th>Options2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network</td>
<td>Wired LAN</td>
<td>TCP/IP</td>
<td>BOOT Method</td>
<td>Auto/Static/RARP/BOOTP/DHCP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IP Address</td>
<td>[000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000] ¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Subnet Mask</td>
<td>[000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000] ¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gateway</td>
<td>[000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Node Name</td>
<td>BRNXXXXXXXXXXXXXX=(your machine’s Ethernet address) (up to 15 characters)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WINS Config</td>
<td>Auto/Static</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WINS Server</td>
<td>Primary/Secondary [000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DNS Server</td>
<td>Primary/Secondary [000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>APIPA</td>
<td>On/Off</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ethernet</td>
<td>Auto/100B-FD/100B-HD/10B-FD/10B-HD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MAC Address</td>
<td></td>
</tr>
<tr>
<td>WLAN</td>
<td>TCP/IP</td>
<td></td>
<td>BOOT Method</td>
<td>Auto/Static/RARP/BOOTP/DHCP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IP Address</td>
<td>[000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000] ¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Subnet Mask</td>
<td>[000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000] ¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gateway</td>
<td>[000-255].[000-255]. [000-255].[000-255]. [000].[000].[000].[000]</td>
</tr>
</tbody>
</table>

¹ If your network environment supports dynamic allocation of IP addresses using DHCP.
The factory settings are shown in bold.

1 On connection to the network, the machine will automatically set the IP address and Subnet Mask to values appropriate for your network.
Entering Text

For MFC models

When you are setting certain menu selections, you may need to enter text into the machine. Most number keys have three or four letters printed on keys. The keys for 0, # and * do not have printed letters because they are used for special characters.

By pressing the correct number key repeatedly, you can access the character you want.

For setting wireless network options

<table>
<thead>
<tr>
<th>Press Key</th>
<th>one time</th>
<th>two times</th>
<th>three times</th>
<th>four times</th>
<th>five times</th>
<th>six times</th>
<th>seven times</th>
<th>eight times</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>a</td>
<td>b</td>
<td>c</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>2</td>
<td>a</td>
</tr>
<tr>
<td>3</td>
<td>d</td>
<td>e</td>
<td>f</td>
<td>D</td>
<td>E</td>
<td>F</td>
<td>3</td>
<td>d</td>
</tr>
<tr>
<td>4</td>
<td>g</td>
<td>h</td>
<td>i</td>
<td>G</td>
<td>H</td>
<td>I</td>
<td>4</td>
<td>g</td>
</tr>
<tr>
<td>5</td>
<td>j</td>
<td>k</td>
<td>l</td>
<td>J</td>
<td>K</td>
<td>L</td>
<td>5</td>
<td>j</td>
</tr>
<tr>
<td>6</td>
<td>m</td>
<td>n</td>
<td>o</td>
<td>M</td>
<td>N</td>
<td>O</td>
<td>6</td>
<td>m</td>
</tr>
<tr>
<td>7</td>
<td>p</td>
<td>q</td>
<td>r</td>
<td>P</td>
<td>Q</td>
<td>R</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>t</td>
<td>u</td>
<td>v</td>
<td>T</td>
<td>U</td>
<td>V</td>
<td>8</td>
<td>t</td>
</tr>
<tr>
<td>9</td>
<td>w</td>
<td>x</td>
<td>y</td>
<td>z</td>
<td>W</td>
<td>X</td>
<td>Y</td>
<td>Z</td>
</tr>
</tbody>
</table>

For setting other menu selections

<table>
<thead>
<tr>
<th>Press Key</th>
<th>one time</th>
<th>two times</th>
<th>three times</th>
<th>four times</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>D</td>
<td>E</td>
<td>F</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>G</td>
<td>H</td>
<td>I</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>J</td>
<td>K</td>
<td>L</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>M</td>
<td>N</td>
<td>O</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>P</td>
<td>Q</td>
<td>R</td>
<td>S</td>
</tr>
<tr>
<td>8</td>
<td>T</td>
<td>U</td>
<td>V</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>W</td>
<td>X</td>
<td>Y</td>
<td>Z</td>
</tr>
</tbody>
</table>

Inserting spaces

(For MFC-J265W and MFC-J415W)

To enter a space in a name, press ▲, ▼, ◀ or ◁ to select □, and press OK twice between characters.

(For MFC-J615W and MFC-J630W)

To enter a space in a name, press ◁ twice between characters.
Making corrections

(For MFC-J265W and MFC-J415W)
If you entered an incorrect letter and want to change it, press ▲, ▼, ◄ or ► to select ☐ or ☐. Press OK several times to move the cursor under the incorrect character. Then press ▲, ▼, ◄ or ► to select ☐×☐, and press OK. Re-enter the correct letter.

(For MFC-J615W and MFC-J630W)
If you entered a letter incorrectly and want to change it, press Clear. Re-enter the correct character. You can also back up and insert letters.

Special characters and symbols
Press *, # or 0 repeatedly until you see the special character or symbol you want.

| Press * for | (space) ! " # $ % & ’ ( ) * + , - . / |
| Press # for | ; : < > ? @ [ ] ^ _ |
| Press 0 for | 0 \ { ] ^ _ |

For DCP models
Press ▲, ▼, ◄ or ► to select a letter, and press OK. Select ☐⊗☐ and press OK to cycle between upper case, lower case or special characters.

Inserting spaces
To enter a space, choose special characters. Then press ▲, ▼, ◄ or ► to select ☐, and press OK.

Making corrections
If you entered an incorrect letter and want to change it, press ▲, ▼, ◄ or ► to select ☐ or ☐. Press OK several times to move the cursor under the incorrect character. Then press ▲, ▼, ◄ or ► to select ☐×☐, and press OK. Re-enter the correct letter.
Index

A

Accessories and supplies ........................................... iii
AES ........................................................................... 20
AOSS™ .............................................................. 24, 32, 48, 72
APIPA .......................................................... 7, 71, 102
ARP ....................................................................... 7, 103
Authentication ........................................................... 19

B

BINARY_P1 ............................................................ 100
BOOTP ............................................................... 7, 102
BRAdmin Light ........................................... 1, 2, 12, 15
BRAdmin Professional 3 .................................. 1, 3, 15
Brother
accessories and supplies ........................................... iii
Brother installer application ........................................ 24, 26
Brother Solutions Center ........................................ 12, 15, 92

C

Channels ................................................................... 19
Control Panel ............................................................ 65
Custom Raw Port ...................................................... 8

D

DHCP .............................................................. 7, 100
DNS Client .......................................................... 7
DNS Server ........................................................... 71
Driver Deployment Wizard ........................................ 1

E

Encryption .............................................................. 20

F

Factory Default ........................................................ 77

G

Gateway .............................................................. 68

I

IP Address ............................................................ 9, 66

L

LLMNR ..................................................................... 8
LPR/LPD .............................................................. 7

M

MAC Address ...................................................... 75
Macintosh Printing ................................................... 90
mDNS ........................................................................ 8

N

NetBIOS name resolution ........................................... 7
Network Configuration List ...................................... 78
Network Connection Repair Tool ................................ 97
Network Key ........................................................... 20
Network Printing .................................................... 86
Network Shared Printing .......................................... 5
Node Name ............................................................ 68

O

Open system ........................................................... 19
Operating systems .................................................. 1

P

PBC .............................................................. 24, 32, 72
Peer-to-Peer ......................................................... 4
PIN Method .................................................. 25, 34, 72
Print server setting ................................................... 15
Protocol .............................................................. 7

R

RARP ..................................................................... 7, 101
Remote Setup ....................................................... 1, 17
Restoring the network settings ................................ 77
RFC 1001 ............................................................... 100

S

Service ............................................................... 100
Shared key ........................................................... 19
SNMP ..................................................................... 8
Specifications ....................................................... 106
SSID ........................................................................ 19
Status Monitor ....................................................... 1
Subnet Mask .......................................................... 10, 67
Index

### T

TCP/IP ................................................................. 7, 65  
TCP/IP Printing .................................................... 86  
Text  
  entering ................................................................ 112  
  special characters .............................................. 113  
TEXT_P1 ................................................................ 100  
TKIP ....................................................................... 20

### W

Web BRAdmin ................................................................. 3  
Web Services .............................................................. 8, 105  
WEP ......................................................................... 20  
Wi-Fi Protected Setup ........................................ 24, 25, 32, 34, 48, 72  
WINS .......................................................................... 7  
WINS Config ............................................................. 69  
WINS Server ............................................................. 70  
Wireless network ...................................................... 18  
WPA-PSK/WPA2-PSK .................................................. 19