

Router Setup Manual



NETGEAR®

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Getting to Know Your Wireless Router

Congratulations on your purchase of the NETGEAR® WGR614v9 Wireless-G Router.

Before you begin installing your router, check the package contents (see [Unpacking Your New Router](#)). Become familiar with the front and back panels of your router—especially the status lights—and the important information on the router label (see “[Bottom Label](#)” on page 5).

Unpacking Your New Router

The product package should contain the following items:

- The router
- A snap-on stand for your router
- An AC power adapter (varies by region)
- A yellow Ethernet cable
- The *Resource CD*, which includes:
 - The Smart Wizard™ Installation Assistant (Autorun.exe)
 - A PDF version of this manual
 - A link to the online *User Manual*
- Warranty and Support Information cards

If any of the parts are incorrect, missing, or damaged, contact your NETGEAR dealer. Keep the carton, including the original packing materials, in case you need to return the product for repair.

To prepare your router for installation:

1. Carefully peel off the protective film covering the sides of your router.
2. Select an area suitable for installation (near an AC power outlet and accessible to the Ethernet cables for your wired computers).
3. Set up your router by doing one of the following:
 - Place it in a vertical position by inserting the router into the supplied snap-on stand (not shown).
 - Place it in a horizontal position (as shown in [Figure 1](#)).



Figure 1

Router Front Panel

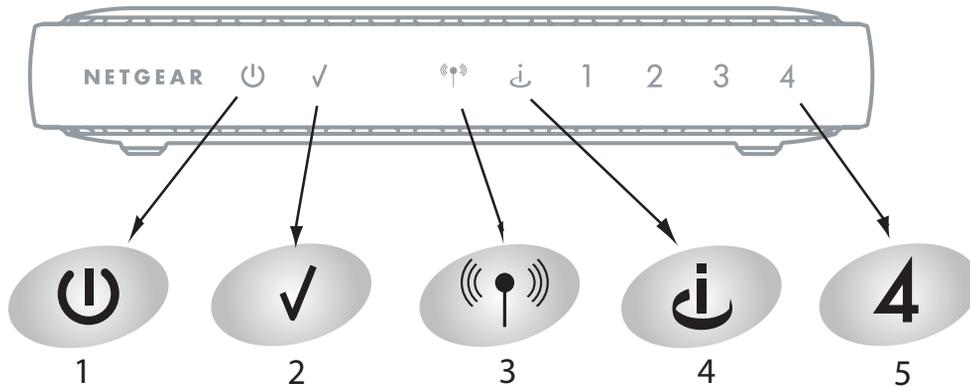


Figure 2

You can use the status lights on the front of the router to verify various conditions.

Table 1. Status Light Descriptions

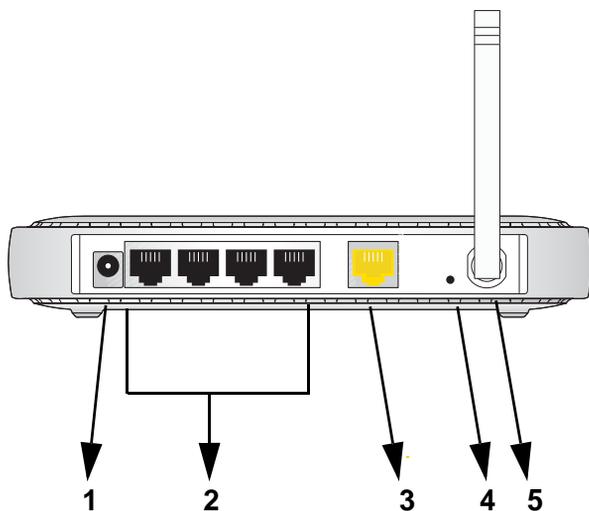
Item	Function	Activity	Description
1	Power	On	Power is supplied to the router.
		Slow Blinking	Firmware is corrupted. See “Basic Functions Are Not Working” on page 20 for instructions on restoring your router firmware.
		Off	Power is not supplied to the router.
2	Test	On	The system is initializing.
		Blinking	Firmware is upgrading or restoring to factory default settings.
		Off	The system is ready and running.
3	Wireless	On	Indicates that the wireless router radio is enabled.
		Off	The wireless router radio is disabled.
4	Internet	On (amber)	The Ethernet cable is connected but the router has not gotten an Internet address.
		On (green)	The router has an Internet address.
		Blinking	Data is being communicated through the Internet port.

Table 1. Status Light Descriptions (continued)

Item	Function	Activity	Description
5	LAN (Local Area Network)	On (green)	The LAN port is connected to a 100 Mbps device.
		Blinking (green)	Data is being transmitted at 100 Mbps.
		On (amber)	The LAN port has detected a link with a 10 Mbps device.
		Blinking (amber)	Data is being transmitted at 10 Mbps.
		Off	No link is detected on this LAN port.

Router Back Panel

The rear panel of the WGR614v9 router contains the items in the list that follows the figure.

**Figure 3**

The back of the router includes:

1. AC power adapter outlet
2. Four local (LAN) 10/100 Mbps Ethernet ports for connecting the router to local computers
3. Internet (WAN) Ethernet port for connecting the router to a cable or DSL modem
4. Restore factory settings button
5. Wireless antenna

Bottom Label

View the label on the bottom of the router to identify the serial number, port connectors, status lights, and default login information.

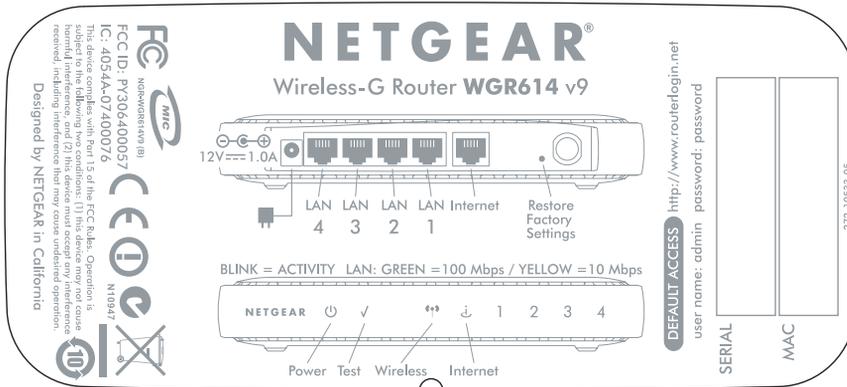


Figure 4

What You Need Before You Begin

Prepare the following before you set up your router:

- Internet service.
- The configuration information your Internet Service Provider (ISP) gave you. Depending on how your Internet account was set up, you might need one or more of these settings for the router to access the Internet:
 - Host and domain names
 - Internet login name and password (frequently an e-mail address and password)
 - Domain Name Server (DNS) addresses
 - Fixed or static IP address

Your ISP should have provided you with all the information needed to connect to the Internet. If you cannot locate this information, you can ask your ISP to provide it.

- For cable modem service, use the computer you first used to set up your Internet service.

Two Setup Methods: Smart Wizard Setup or Manual Setup

You have two methods available for setting up your router:

- **Smart Wizard setup.** This option is the easiest. The wizard guides you through the setup process, automates many of the steps, and verifies that necessary conditions exist and that steps you perform have been successfully completed. This option requires a PC running Microsoft Windows.
- **Manual setup.** This option is best if you cannot use the wizard on the CD, are replacing an existing router, or are technically knowledgeable. Follow the instructions in this manual to set up your router.

Use the setup option that best suits you.

Smart Wizard Setup

The wizard setup process takes about 20 minutes to complete.

1. Insert the NETGEAR CD into a Windows PC. The CD automatically starts and detects the language that you are using on your PC. Accept the language option, or change to a different language.

	If the CD does not automatically start, browse the CD and double-click on  .
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2. When the Welcome screen displays, click **Setup** to start the Smart Wizard. Follow the wizard instructions.

At the close of installation, the Smart Wizard places a *Router_Setup.html* file on your computer's desktop so that you can view the router settings. It also places the Router Login  shortcut on the desktop for you to access the router's main menu.

Manual Setup

There are two steps to setting up your router:

1. Connect the router to the ADSL or cable modem, and connect a computer to the router (see [“Connecting Your Router”](#)).



Your computer has to be set to automatically get its TCP/IP network settings from the router through DHCP. This is usually the case. If you are unsure about this, use the wizard on the CD, which automatically takes care of this for you, or refer to the documentation for your computer.

2. Configure the router to use your Internet service (see [“Accessing the Wireless Router after Installation”](#) on page 10).

Connecting Your Router

To connect your router:

1. Connect the router, the computer, and the modem.
 - a. Turn off your computer.
 - b. Turn off and unplug the cable or ADSL broadband modem.
 - c. Locate the Ethernet cable (1) that connects your computer to the modem.

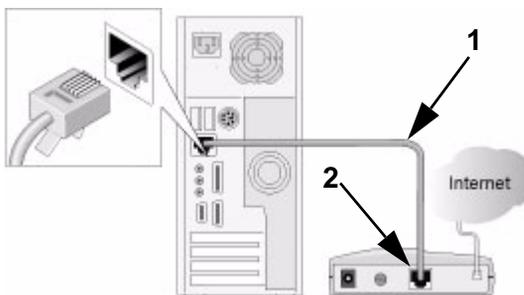


Figure 5

- d. Disconnect the cable at the modem end only (2).

- e. Securely insert the free end of the cable (1) into a LAN port on the router, such as LAN port 4 (3).

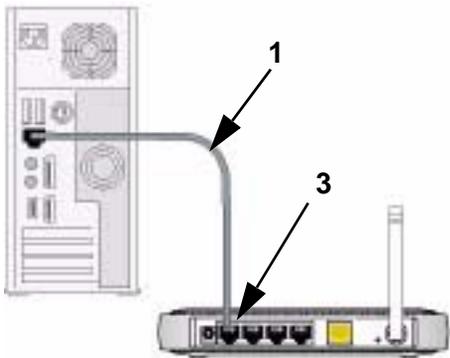


Figure 6

- f. Securely insert the yellow cable (5) that came with your router into the yellow Internet port of the router (4), and the other end into the modem (2).

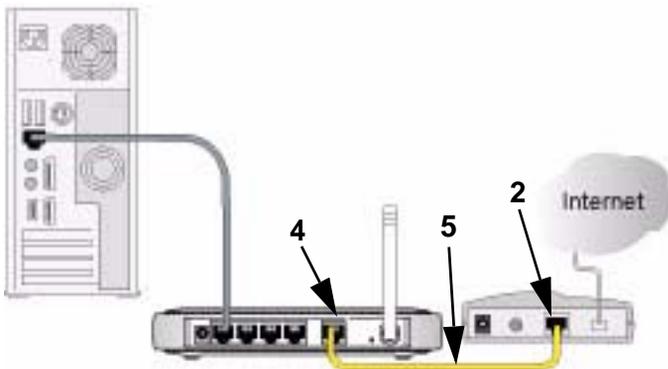


Figure 7

Your network cables are connected, and you are ready to start your network.

2. Start your network in the correct sequence.

	<p>Failure to start or restart your network in the correct sequence could prevent you from accessing the Internet.</p>
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- a. First, plug in and turn on the cable or DSL modem. Wait 2 minutes.
- b. Now, plug the power adapter into your router and into a power outlet. Wait 1 minute.
- c. Last, turn on your computer.

	<p>For DSL customers, if software logs you in to the Internet, <i>do not</i> run that software. You might need to go to the Internet Explorer Tools menu, select Internet Options, and then click the Connections tab, where you can select Never dial a connection.</p>
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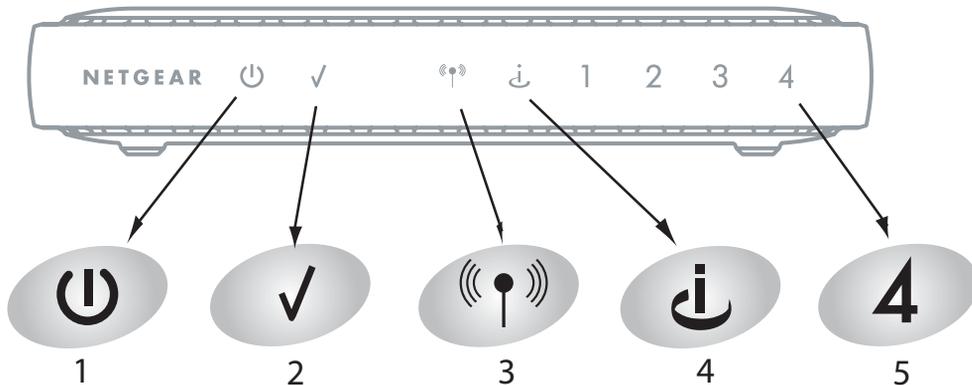


Figure 8

- d. Check the router status lights to verify the following:
 - **Power.** The power light (1) should turn solid green.
 - **Test.** The test light (2) should turn solid amber when the router is first turned on, then go off after 2 minutes.
 - **Wireless.** The Wireless light (3) should be on.
 - **Internet.** The Internet port light (4) should be lit. If not, make sure the Ethernet cable is securely attached to the router Internet port, and the modem is powered on.

- **LAN.** A LAN light (5) should be lit. Green indicates your computer is communicating at 100 Mbps; amber indicates 10 Mbps. If a LAN light is not lit, check that the Ethernet cable from the computer to the router is securely attached at both ends, and that the computer is turned on.

For general information about the status lights, see “Router Front Panel” on page 3. For help if the status lights are not as described, see “Basic Functions Are Not Working” on page 20.

Accessing the Wireless Router after Installation

After installing your router manually, you must open a browser window and log in to the router to complete your wireless setup. If you installed using the *Resource CD*, you still need to log in to the router any time you wish to change settings.

To access the router using its login name and password:

1. Type **http://www.routerlogin.net** in the address field of your browser, and then press Enter.



Figure 9



Connect to the router by typing any one of these three URLs in the address field of your browser, then pressing Enter:

- <http://www.routerlogin.net>
- <http://www.routerlogin.com>
- <http://192.168.1.1>

A login window similar to the one shown in [Figure 10](#) displays:



Figure 10

2. When prompted, enter **admin** for the router user name and **password** for the router password, both in lowercase letters. (For security reasons, the router has its own user name and password.).



The router user name and password are not the same as any other user name or password you might use to log in to your Internet connection.

The router will display its home page. If there is no activity or you do not log out, the router will automatically log you out after 5 minutes of inactivity.

3. If you later change the user name and password from the defaults, use what you have set up. If you have problems logging in, see [“I Am Unable to Log In to the Router”](#) on page 22.



To view support information or the *User Manual* for the router, click **Knowledge Base** or **Documentation** under Web Support on the main menu.

Updating Your Firmware

NETGEAR is always improving the operability and features included with your router. To make it easy for you to receive the best, most up-to-date features of your router, NETGEAR provides a variety of methods for updating your product.

- The Smart Wizard installation assistant lets you check for and install updates as part of the setup activity.
- The router includes an update feature that lets you check for and install updates. You must be logged in to the router to use this feature. If these options are selected (the default settings), each time you log in your router will check for new firmware:
 - **Check for Updated Firmware Upon Log-in** the Firmware Update screen
 - **Check for New Version Upon Log-in on** the Router Upgrade screen

To disable this feature, deselect the check boxes.

To update firmware after you have set up your router:

1. Log in to the router (see “[Accessing the Wireless Router after Installation](#)” on page 10).

The Thank You window and the Firmware Update Assistant screen display.

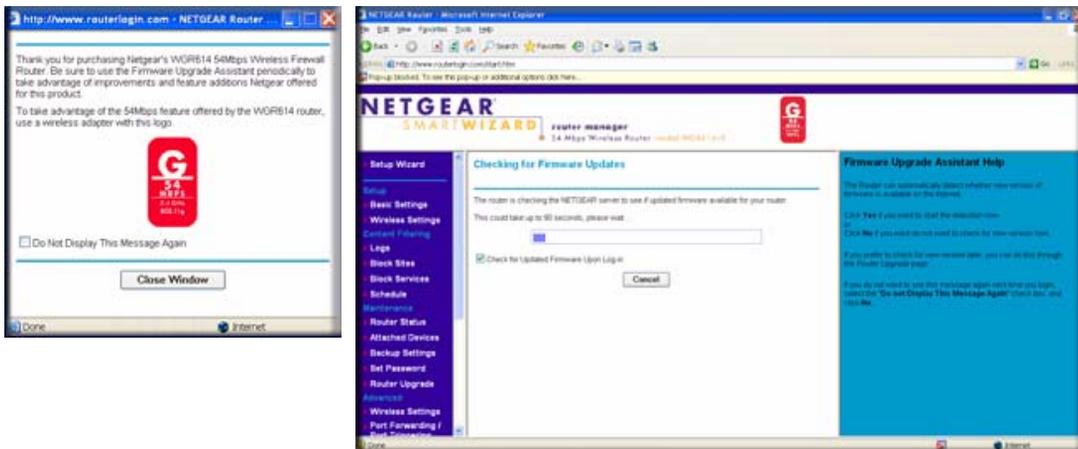


Figure 11

2. The router checks the NETGEAR database for a new firmware image file. If no new firmware version is available, the message “No New Firmware Version Available” displays. If you

select **Cancel**, you can check for new firmware later; see “[To manually check for new router firmware:](#)” on page 13.

3. If new firmware is available and you want to download it, click **Yes** and save the file to a location on your hard disk.

Usually the firmware image is an .img (or .chk) file and does not need to be decompressed before you can use it to update your router. If, however, the file is a .zip file, then the image is compressed and must be “unzipped” before you can use the file. On Windows machines, you can use the WinZip utility to unzip the file.

To install the updated firmware to your router:

1. If the Firmware Update screen does not display automatically, select **Router Upgrade** under Maintenance on the main menu. The Router Upgrade screen then displays.
2. Click **Browse** and locate the unzipped firmware image that you downloaded to your PC (the file ends in .img or .chk).
3. Once you have selected the file, click **Upload** to send the software to the router. The upload process takes several minutes. When the software upload process is complete, the router restarts.



Do not try to go online, turn off the router, shut down the computer, or do anything else to the router until the router finishes restarting! When the Test light stops blinking, wait a few seconds more before using the router.

4. After the router has restarted, select Router **Status** under Maintenance on the main menu. Check the firmware version to verify that your router now has the new software installed.

If you selected the **No** radio button during installation, and want to check for new firmware later, follow the next procedure. NETGEAR recommends that you determine the firmware version currently running on your router before you check for updates on the NETGEAR website. Then go to the NETGEAR website, and select the model number for this router. If a later version of the firmware is available, download the firmware to your computer, and update your router.

To manually check for new router firmware:

1. Log in to the router (see “[Accessing the Wireless Router after Installation](#)” on page 10).
2. Select **Router Status** under Maintenance on the main menu. When the Router Status screen displays, note the version number of your router firmware.
3. Go to <http://www.NETGEAR.com/support> and select **Downloads** from the menu bar.

4. From the **Product Selection** drop-down menu, select **WGR614v9**. The Product Support page for your router displays.
5. Under Downloads, check the most recent firmware version offered against the firmware version shown on your Router Status screen.
6. If the version on the NETGEAR website is more recent, click the version number. Then, click **Right-click and Save to Download**, and save the file to a location on your hard disk.
7. Follow the procedure in [“To install the updated firmware to your router:” on page 13](#) to complete the update process.



If you are unable to successfully update using these methods, refer to the online *Reference Manual* for more information. The *User Manual* is available through the **Documentation** link on the router main menu (or through a link on the *Resource CD*).

Setting Up and Testing Basic Wireless Connectivity

Follow these instructions to set up and test basic wireless connectivity. Once you have established basic wireless connectivity, you can enable security settings appropriate to your needs.

To set up and test basic wireless connectivity:

1. Log in to the router (see [“Accessing the Wireless Router after Installation” on page 10](#)).



If your router is set to automatically check for firmware updates (the default setting), each time you log in your router it will check for new firmware. If you wish to turn off this feature, deselect one of the following:

- **Check for Updated Firmware Upon Log-in** on the Firmware Update screen
- **Check for New Version Upon Log-in** on the Router Upgrade screen

2. To display the Setup Wizard, select **Setup Wizard** on the main menu.



Figure 12

3. Do one of the following:
 - Click **Yes**. The wizard then guides you through your basic settings (continue with step 8).
 - Click **No. I Want To Configure the Router Myself**, and then continue with the next step.
4. Select **Wireless Settings** under Setup on the main menu.
5. Note that the default SSID (service set identification key) is NETGEAR.

	The SSID of any wireless adapters must match the SSID you configure in the router. If they do not match, you will not get a wireless connection.
--	--

6. Select the region in which the wireless interface will operate.
7. To save your changes, click **Apply**.

	If you are configuring the router from a wireless computer and you change the router's SSID, channel, or security settings, you will lose your wireless connection when you click Apply. You must then change the wireless settings of your computer to match the router's new settings.
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8. Configure and test your computers for wireless connectivity.
9. Program the wireless adapter of your computers to have the same wireless network name (SSID) as the router. Check that they have a wireless link and are able to obtain an IP address by DHCP from the router.

Implementing Appropriate Wireless Security



Indoors, computers can connect over 802.11g wireless networks at a range of over 300 feet. Such distances can allow others outside your immediate area to access your network.

Unlike wired network data, your wireless data transmissions can extend beyond your walls and can be received by anyone with a compatible adapter. For this reason, use the security features of your wireless equipment. The router provides highly effective security features, which are covered in detail in the *User Manual* that is available from a link on the *Resource CD* as well as a link in the main menu of your router. Follow the instructions in this manual and in the router help screens to implement the security features appropriate to your needs.

To enable wireless security:

1. Log in to the router (see [“Accessing the Wireless Router after Installation”](#) on page 10).
2. Select **Wireless Settings** under Setup on the main menu.
3. Select a security option:
 - **None.** (Not recommended.)
 - **WEP.** This provides security compatible with my equipment (not recommended as reliable).
 - **WPA-PSK (TKIP).** This provides the most reliable security compatible with my equipment.
 - **WPA2-PSK (AES).** This provides the most reliable security compatible with my equipment.
 - **WPA-PSK (TKIP) + WPA2-PSK (AES) or Mixed Mode.** This provides the most reliable security, and is easiest to implement, but it might not be compatible with older adapters.

Follow the instructions in the *User Manual* or the router help screens if you need help setting up the security feature appropriate to your needs.

4. To save your settings click **Apply**.

Product Registration, Support, and Documentation

Register your product at <http://www.NETGEAR.com/register>. Registration is required before you can use NETGEAR's telephone support service. Product updates and Web support are always available by going to <http://www.NETGEAR.com/support>.

Documentation is available on the CD, on the support website, and on the documentation website. When the router is connected to the Internet, click the **Knowledge Base** or the **Documentation** link under Web Support to view support information or the documentation for the router.

Help with Troubleshooting

This section gives information about troubleshooting your router. You can find help with the following problems:

- [“Common Things That Can Go Wrong”](#)
- [“Basic Functions Are Not Working”](#) on page 20
- [“I Am Unable to Log In to the Router”](#) on page 22
- [“The Internet Service Connection Is Not Working”](#) on page 22
- [“Testing the Path from a PC to Your Router”](#) on page 25
- [“Testing the Path from a PC to the Internet”](#) on page 25

Basic Troubleshooting

Here are some tips for correcting simple problems you might have.

Common Things That Can Go Wrong

Verify that you do not have these common problems.

Be sure to always start your network in this sequence:

1. Turn off and unplug the modem from its power outlet, and turn off the router and computer.
2. Turn on the modem, and wait 2 minutes.
3. Turn on the router, and wait 1 minute.
4. Turn on the computer.

Make sure that the Ethernet cables are securely plugged in:

1. Verify that the Internet status light on the router is lit if the Ethernet cable to the router from the modem is plugged in securely and the modem and router are both turned on (see [“Router Front Panel”](#) on page 3).
2. Verify that for each powered-on computer connected to the router with a securely plugged in Ethernet cable, the corresponding router LAN port status light is lit (see [“Router Front Panel”](#)

on page 3). The label on the bottom of the router identifies the number of each LAN port (see “Bottom Label” on page 5).

Make sure that the network settings of the computer are correct:

1. Verify that your LAN-connected computers are configured to obtain an IP address automatically through DHCP. For help with this, see the documentation for your computer or “Related Documents” on page 29.
2. Verify whether the MAC address is needed. Some cable modem services require you to use the MAC address of the computer registered on the account. If this is the case, in the Router MAC Address section of the Basic Settings screen, select **Use this Computer’s MAC Address**. To save your settings, click **Apply**. Restart the network in the correct sequence.

Check the router status lights to verify correct router operation:

If the Power light does not turn solid green within 2 minutes after you turn the router on, reset the router according to the instructions in “Restoring the Default Password and Configuration Settings” on page 28.

Basic Functions Are Not Working

After you turn on power to the router, check these status lights:

1. When power is first applied, verify that the Power light is on:
 - a. Make sure that the power cord is properly connected to your router and that the power supply adapter is properly connected to a functioning power outlet.
 - b. Check that you are using the power adapter supplied by NETGEAR for this product.If the error persists, you have a hardware problem and should contact Technical Support.
2. After a few seconds, verify that the Test light is on, indicating that the self-test procedure is running.
3. After approximately 30 seconds, verify the following:
 - a. The Test light has turned off.
 - b. The LAN port lights are lit for any local ports that are connected.
 - c. The Internet port is connected and its light is lit.
 - d. The Wireless port light is lit.

If a port's light is lit, a link has been established to the connected device. If a LAN port is connected to a 100 Mbps device, verify that the port's light is green. If the port is 10 Mbps, the light is amber.



For more information about the status lights, see [“Router Front Panel” on page 3](#).

If the Power light blinks green slowly and continuously:

The router firmware is corrupted.

1. Make sure that your PC is connected to your router and the router is powered on.
2. Insert the Resource CD that came with your router into your PC.

If the CD does not automatically start, browse the CD and double-click on , or the Autorun file that begins with an uppercase A.

3. In the CD's menu, click **Supporting Software**, then click **Netgear Firmware Recovery Utility**, and follow the prompts for the recovery process.

Installation of the utility places a NETGEAR Router Recovery  shortcut on the desktop.

4. After firmware recovery is complete, follow the prompts to restore your configuration.

If the Test light never turns on or stays on:

When the router is turned on, the Test light turns on for about 30 seconds and then turns off. If the Test light does not turn on or stays on, the router has a problem.

1. If all lights including the Test light are still on one minute after powering up, turn the power off and back on to see if the router recovers.
2. Clear the router's configuration to factory defaults. This will set the router's IP address to 192.168.1.1. This procedure is explained in [“Restoring the Default Password and Configuration Settings” on page 28](#).

If the error persists, you have a hardware problem and should contact Technical Support.

If the LAN or Internet port lights are not on when the Ethernet connection is made:

1. Make sure that the Ethernet cable connections are secure at the router and at the computer.
2. Make sure that power is turned on to the connected computer.
3. Make sure that you are using Ethernet cables like the cable that was supplied with the router.

I Am Unable to Log In to the Router

If you are unable to log in to the router, check the following:

- If you are using an Ethernet-connected computer, check the Ethernet connection between the computer and the router as described in the previous section.
- Make sure that you are using the correct login information. The factory default login name is **admin**, and the password is **password**. Make sure that Caps Lock is off when you enter this information.
- Make sure that your browser has Java, JavaScript, or ActiveX enabled. If you are using Internet Explorer, click **Refresh** to be sure that the Java applet is loaded. Try closing the browser and starting it again.

The Internet Service Connection Is Not Working

If your router is unable to access the Internet, check that the Internet connection is working, and then check that the router can get an Internet address.

Check that the Internet connection is working:

1. **Internet connection.** First verify that your cable or ADSL modem has a successful connection. The cable or ADSL modem status lights indicate if the modem connection is successful or not. Check your modem documentation, or call your Internet Service Provider for help with verifying that the modem has a successful connection.
2. **Wireless router Internet light is green or blinking green.** If your Internet light is green or blinking green, then you have a good Internet connection, and your wiring is correct.
3. **Wireless router Internet light blinking amber.** If your Internet light is blinking amber, then your router is attempting to make an Internet connection with the service provider. The light should turn green within several minutes. If it does not, check the Internet connection on the modem.
4. **Wireless router Internet light off.** If the Internet light is off, verify that the Ethernet cable is securely connected between the cable or ADSL modem, and that both the modem and router are turned on.

Obtaining an Internet IP Address

If your router is unable to access the Internet, and your Internet light is amber or blinking amber, check the router to see if it is able to get an Internet IP address from your service provider. Unless

you have a static IP address, your router automatically requests an IP address from your service provider.

To check the Internet IP address from the browser interface:

1. Log in to the router.
2. Select **Router Status** under Maintenance on the main menu to check that an IP address is shown for the Internet port. If 0.0.0.0 is shown, your router has not obtained an IP address from your service provider.

If your router is unable to obtain an IP address from the your service provider, the problem might be one of the following:

- Your service provider might require a login. Ask your service provider whether they require PPP over Ethernet (PPPoE) login.
- The service name, user name, and password might be set incorrectly. See [“Troubleshooting PPPoE”](#).
- Your service provider might check for your computer’s host name. Assign the computer host name of your ISP account to the router in the Basic Settings screen.
- Your service provider allows only one Ethernet MAC address to connect to Internet, and might check for your computer’s MAC address. In this case, do one of the following:
 - Inform your service provider that you have bought a new network device, and ask them to use the router’s MAC address.
 - Configure your router to spoof your computer’s MAC address. This can be done in the Basic Settings screen. Refer to the online help, which you can access from the router main menu.

Troubleshooting PPPoE

To troubleshoot a PPPoE connection:

1. Log in to the router.
2. Select **Router Status** under Maintenance on the main menu.
3. Click the **Connection Status** button.
4. If all the steps indicate OK, then your PPPoE connection is up and working.
5. If any of the steps indicate Failed, you can attempt to reconnect by clicking **Connect**. The router will continue to attempt to connect indefinitely.

If you cannot connect after several minutes, you might be using an incorrect service name, user name, or password. There also might be a provisioning problem with your ISP.



Unless you connect manually, the router will not authenticate using PPPoE until data is transmitted to the network.

Troubleshooting Internet Browsing

If your router can obtain an IP address but your computer is unable to load any Web pages from the Internet, check the following.

- Your computer might not recognize any DNS server addresses.

A DNS server is a host on the Internet that translates Internet names (such as www addresses) to numeric IP addresses. Typically your ISP provides the addresses of one or two DNS servers for your use. If you entered a DNS address when you configured the router, restart your computer. Alternatively, you can configure your computer manually with DNS addresses, as explained in the documentation for your computer.

- Your computer might not have the router configured as its default gateway.

Restart the computer, and verify that the router address (192.168.1.1) is listed by your computer as the default gateway address.



The factory default router address is 192.168.1.1. However, if the router detects a conflict with the address it gets from your modem, it automatically picks a different address for itself. In this case, you can log in to the router using **www.routerlogin.net** to verify its LAN IP address. Select **LAN IP Setup** under Advanced on the main menu. Take note of the LAN TCP/IP setup IP address, which should match the default gateway IP address on your computer.

Troubleshooting Connectivity Using the Ping Utility

Most computers and routers have a diagnostic utility called *ping* that sends an request to a target device. The device then replies. The ping utility makes it easy to troubleshoot a network..



This section includes advanced troubleshooting techniques.

Testing the Path from a PC to Your Router

You can ping the router to verify that the LAN path from your computer to your router is set up correctly.

1. From the Windows toolbar, click **Start** and select **Run**.
2. In the field provided, type Ping followed by the address of the router, as in this example:
`ping www.routerlogin.net`
3. Click **OK**.

You should see a message like this one:

```
Pinging 192.168.1.1 with 32 bytes of data
```

If the path is working, you see this message:

```
Reply from 192.168.1.1: bytes=32 time=NN ms TTL=xxx
```

If the path is not working, you see one of these messages:

```
Request timed out
```

```
Ping request could not find host www.routerlogin.net. Please check the name and try again.
```

If the path is not functioning correctly, you could have one of the following problems:

- Wrong physical connections
 - Make sure the LAN port light is on. If the light is off, follow the instructions in [“Basic Functions Are Not Working”](#) on page 20.
 - Check that the corresponding lights are on for your computer’s network interface card.
- Wrong network configuration
 - Verify that the Ethernet card driver software and TCP/IP software are both installed and configured on your computer.

Testing the Path from a PC to the Internet

After verifying that the path between your computer and the router works correctly, test the path from your PC to the Internet. From the Windows Start > Run... menu, type:

```
PING -n 10 <IP address>
```

where *<IP address>* is the IP address of a remote device such as your ISP’s DNS server.

If the path is functioning correctly, replies as in the previous section are displayed. If you do not receive replies:

- Check that your PC has the IP address of your router listed as the default gateway. If the IP configuration of your PC is assigned by DHCP, this information is not visible in your PC's Network Control Panel. Verify that the IP address of the router is listed as the TCP/IP default gateway.
- Check to see that the network address of your PC (the portion of the IP address specified by the netmask) is different from the network address of the remote device.
- If your ISP assigned a host name to your PC, enter that host name as the account name in the Basic Settings screen.

Default Configuration

Default Configuration Settings

This section provides factory default settings and technical specifications for the WGR614v9 Wireless-G Router.

Table 2. Wireless Router Default Configuration Settings

Feature	Default Setting
Network Protocol and Standards Compatibility	
Data and Routing Protocols:	TCP/IP, DHCP, PPPoE, PPTP, Bigpond, Dynamic DNS, and UPnP
Power Adapter	
North America:	120V, 60 Hz, input
United Kingdom, Australia:	240V, 50 Hz, input
Europe:	230V, 50 Hz, input
Japan:	100V, 50/60 Hz, input
All regions (output):	12 V DC @ 1.0A output
Physical Specifications	
Dimensions:	1.1" x 6.89" x 4.68" (28 x 175 x 119 mm)
Weight:	0.26 kg (0.57 lb)
Environmental Specifications	
Operating temperature:	0° to 40° C (32° to 104° F)
Operating humidity:	90% maximum relative humidity, noncondensing
Electromagnetic Emissions	
Meets requirements of:	FCC Part 15; EN 301489; EN 60950 (CE LVD)

Table 2. Wireless Router Default Configuration Settings (continued)

Feature	Default Setting
Interface Specifications	
LAN:	10BASE-T or 100BASE-Tx, RJ-45
WAN:	10BASE-T or 100BASE-Tx, RJ-45

Restoring the Default Password and Configuration Settings

You can restore the factory default configuration settings that reset the router's user name to **admin**, the password to **password**, and the IP address to 192.168.1.1.



This procedure will erase all the current configuration settings and restore the factory defaults.

To restore the factory default configuration settings:

1. Use a sharp object such as a pen or a paper clip to press and hold the restore factory settings button, located on the rear panel of the router, for about 20 seconds, until the Test light begins to blink (see [“Router Back Panel”](#) on page 4).
2. Release the restore factory settings button, and wait for the router to restart, and for the Test light to turn off.

The factory default settings will be restored so that you can access the router from your Web browser using the factory defaults.

Related Documents

This table provides links to reference documents that you can use to gain a more complete understanding of the technologies used in your NETGEAR product.

Table 3. Reference Documents

Document	Link
TCP/IP Networking Basics	http://documentation.netgear.com/reference/enu/tcpip/index.htm
Preparing Your Network	http://documentation.netgear.com/reference/enu/wsdhcp/index.htm
Glossary	http://documentation.netgear.com/reference/enu/glossary/index.htm

Registration and Certifications

Product Registration, Support, and Documentation

Register your product at <http://www.NETGEAR.com/register>. You must register before you can use our telephone support service. Product updates and Web support are always available by going to <http://www.netgear.com/support>.

Setup documentation is available on the CD, on the support website, and on the documentation website. When the router is connected to the Internet, click the KnowledgeBase link to view support information, or click the Documentation link to view the online *User Manual* for this router.

Maximum Wireless Signal Rate Derived from IEEE Standard 802.11 Specifications

Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

Federal Communications Commission (FCC) Compliance Notice: Radio Frequency Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

