

# NETGEAR

## Installation Guide

### Wireless Router WGR612

Before proceeding with the wireless router installation, familiarize yourself with the contents of the product package.

Follow these instructions to set up your router.

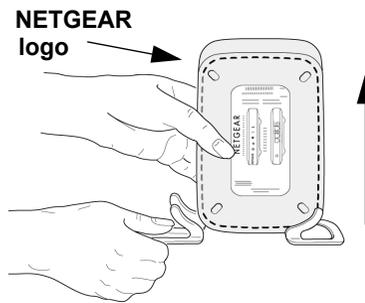
## Start Here

You need the DSL Internet login name and password in order to complete the setup.

### First, Connect the Wireless Router to the Internet

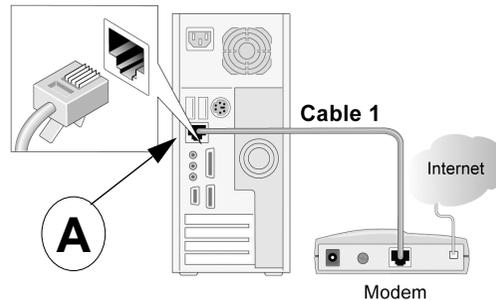
#### 1. Insert the feet into the base of the router

For best wireless performance, insert the feet so that the NETGEAR logo on the LED front panel is at the top, and the power connector on the back is at the bottom.

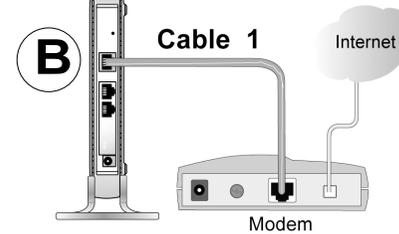


#### 2. Connect the wireless router to the computer and the modem

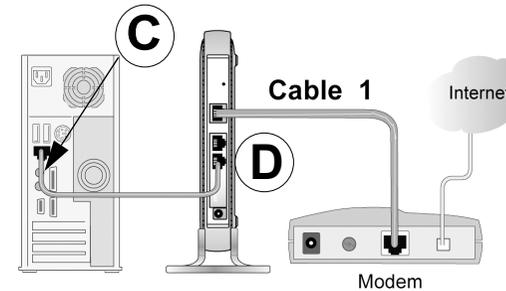
- Turn off your computer and the DSL broadband modem.
- Locate the Ethernet cable (cable 1 in the diagram) that connects your modem and PC.



- Disconnect the cable at the computer end only, point A in the diagram.
- Securely insert the Ethernet cable from your modem (cable 1 in the diagram) into the Internet port of the wireless router as shown in point B of the diagram.



- Locate the cable that came with your wireless router. Securely insert it until it clicks into the Ethernet port of your computer (point C in the diagram), and insert the other end into a LAN port on the router such as LAN port 2 (point D in the diagram).



#### 3. Restart your network in the correct sequence

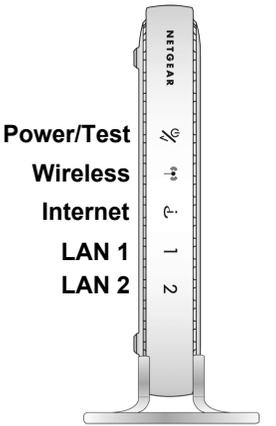
**Warning:** Failure to restart your network in the correct sequence could prevent you from connecting to the Internet.

- First, turn on the broadband modem and wait 2 minutes.
- Now, plug in the power cord to your wireless router and wait 1 minute.
- Last, turn on your computer.

**Note:** If your Internet company installed software to log you in to the Internet, *do not* run that software. You may need to go to the Internet Explorer Tools menu, Internet Options, Connections tab page where you can select “Never dial a connection” so that this software is not automatically run whenever you start your browser.

- Check the wireless router status lights to verify the following:

- Power/Test:** The power/test light blinks while the router is starting up, then should turn solid green after the router completes its startup. If it does not turn solid green, see the Troubleshooting Tips in this guide. Also, this light blinks while the router is being reset to its factory default settings, or when you update its firmware.
- Wireless:** The Wireless light should be lit. If the Wireless light is not lit, see the Troubleshooting Tips in this guide.
- Internet:** The Internet port light should be lit. If not, make sure the Ethernet cable is securely attached to the wireless router Internet port and the modem, and the modem is powered on.
- LAN:** A LAN light should be lit. Green indicates your computer is communicating with the router. 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.



#### 4. Use the Setup Wizard to connect the router to the Internet

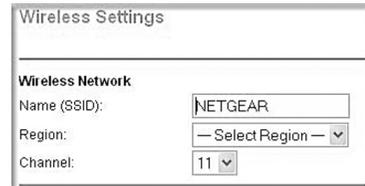
- Type <http://www.routerlogin.net> in your browser address bar.
- When prompted, enter **admin** for the user name and **password** for the password, both in lower case letters, and click OK.
- If you do not see this menu, click **Setup Wizard** on the upper left of the main menu.
- Click **Next** and input your ISP settings.
- At the end of the Setup Wizard, click **Apply** to save your settings.
- Click **Test** to verify your Internet connection and register your product.



#### 5. Configure the Wireless Settings

These settings enable basic wireless connectivity that let you set up your wireless computers and test wireless Internet access through the router.

- a. Click **Wireless Settings** in the main menu. Select a Region. Do not change the other settings. Click **Apply**
- b. Configure your computer to use the Network Name (SSID) NETGEAR with WEP Security disabled.



- c. To verify wireless connectivity, connect to the Internet or log in to the wireless router from a computer with a wireless adapter.
- d. You are now connected to the Internet and the wireless feature of the wireless router is enabled! Next, configure your wireless computers to connect to the NETGEAR Network Name (SSID).  
Warning: The Network Name (SSID) is case sensitive. You must enter NETGEAR in your computer's wireless settings. Entering nETgear will not work.

## Now, Set Up a Computer for Wireless Connectivity

### 1. Configure the computer's Wireless Settings

Windows displays a list of available wireless networks, and, when wireless security is disabled, you simply choose yours from the list and connect.



Wireless Adapter in a Notebook Computer

### 2. Verify Wireless Connectivity

Connect to the Internet from a computer with a wireless adapter.

You are now wirelessly connected to the Internet!

**Important:** Implement wireless security options appropriate to your needs.

The NETGEAR wireless router provides many wireless security options. Your wireless computer may not support all of these options. Please log in to

the router and read the help to identify the wireless security features of your router that satisfy your requirements and work with your wireless computer.

## Troubleshooting Tips

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

### Be sure to restart your network in this sequence:

- 1) Turn off the modem, wireless router, and computer;
- 2) Turn on the modem, wait two minutes;
- 3) Turn on the wireless router and wait 1 minute;
- 4) Turn on the computer.

### Make sure the Ethernet cables are securely plugged in.

- The Internet status light on the wireless router will be lit if the Ethernet cable to the wireless router from the modem is plugged in securely and the modem and wireless router are turned on.
- For each powered on computer connected to the wireless router with a securely plugged in Ethernet cable, the corresponding wireless router LAN port status light will be lit. The label on the bottom of the wireless router identifies the number of each LAN port.

### Make sure the wireless settings in the computer and router match exactly.

The Wireless Network Name (SSID) and WEP security settings of the router and wireless computer must match exactly.

### Make sure the network settings of the computer are correct.

- Ethernet cable and wirelessly connected computers *must* be configured to obtain IP *and* DNS addresses automatically via DHCP.

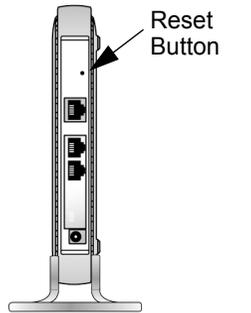
### Check the router status lights to verify correct router operation.

- If the Power/Test light does not turn solid green within 2 minutes of turning the router on, or turn the power off and back on to see if the router recovers. Or, use a pen tip to press and hold for 10 seconds the reset-to-default button on the back of the router to clear the router's configuration to factory defaults to see if the router recovers.
- If the Wireless light does not come on, verify that the wireless feature is turned on by logging in to the router, and checking the "Enable Wireless Router Radio" box in the Advanced Wireless Settings menu.

## Technical Support

Thank you for selecting NETGEAR products.

After completing the Smart Wizard configuration assistant, register your product at <http://www.NETGEAR.com/register>. Registration is required before you can use our telephone support service.



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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Note: 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.

### IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**Warning:** Do not install this device on top of any other electrical equipment or install any other equipment on top of this device. Keep this device away from any heat sources such as direct sunlight, heaters, radiators, or other A/V receivers or devices that emit heat.



This symbol was placed in accordance with the European Union Directive 2002/96 on the Waste Electrical and Electronic Equipment (the WEEE Directive). If disposed of within the European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing the WEEE Directive.

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