

Start Here

Before proceeding with the wireless router installation, familiarize yourself with the contents of the product package, especially the *Setup Manual* on the CD and the animated tutorials on configuring PCs for networking.

Follow these instructions to set up your router.

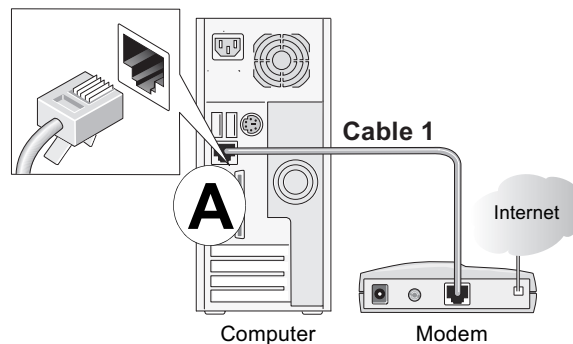
Prepare to Install Your Wireless Router

- *For Cable Modem Service:* When you perform the wireless router setup steps be sure to use the computer you used when you first set up your cable Internet connection.
- *For DSL Service:* You may need information such as the DSL login name/e-mail address and password in order to complete the wireless router setup.
- Observe the wireless placement and range guidelines in the *Setup Manual*.

First, Connect the Wireless Router to the Internet

1. CONNECT THE WIRELESS ROUTER TO THE COMPUTER AND THE MODEM

- Turn off your computer.
- Turn off *and* unplug the cable or 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 into the Internet port of the wireless router.
- Securely insert the blue cable that came with your wireless router into a LAN port on the router, and the other end into the Ethernet port of your computer.

Your network cables are connected and you are ready to restart your network.

2. 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, plug in and turn on the broadband modem. Wait about 2 minutes.
- Now, plug in the power cord to your wireless router and wait 1 minute.
- Last, turn on your computer.
Note: For DSL customers, if ISP provided software logs 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.”
- Check the wireless router status lights to verify the following:
 - *Power:* The power light should turn solid green. If it does not turn solid green, see the Troubleshooting Tips in this guide.
 - *Link/ACT:* The Link/ACT 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.
 - *Wireless:* The Wireless light should be lit. If the Wireless light is not lit, see the Troubleshooting Tips in this guide.
 - *LAN:* A LAN light should be lit. 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.

3. USE THE SMART WIZARD TO CONFIGURE THE WIRELESS ROUTER

- Connect to the router by typing *http://192.168.1.1* in the address field of Internet Explorer or Netscape® Navigator.
- For security reasons, the router has its own user name and password. When prompted, enter **admin** for the router user name and **password** for the router password, both in lower case letters.

Note: The user name and password are not the same as any user name or password you may use to log in to the Internet.

The wireless router will display the NETGEAR Smart Wizard page. Click **OK** to proceed.

Note: If you cannot connect to the wireless router, verify your computer networking setup. It should be set to obtain *both* IP and DNS server addresses automatically, which is usually so. For help with this, please see the *Setup Manual* or animated tutorials on the CD.

- Follow the Smart Wizard prompts to connect to the Internet.

You are now connected to the Internet and the wireless feature of the wireless router is enabled! Next, configure your wireless computer.

Now, Set Up a Computer for Wireless Connectivity

1. CONFIGURE THE COMPUTER'S WIRELESS SETTINGS

- If you are not already logged in the WGM124 configuration utility, type **http://192.168.1.1** in your Internet browser and click **Enter**.
- When prompted, type in **admin** for the router user name and **password** for the router password.
- Click **Wireless Settings** in the WGM124 main configuration menu. Select a Region. Do not change the other settings.
- Click **Apply** to save your changes.

2. CONFIGURE THE COMPUTER'S WIRELESS ADAPTER SETTINGS

Configure the wireless adapter of your computer to match these settings exactly. NETGEAR, Inc. wireless adapters display a list of available wireless networks, and, when wireless security is disabled, you simply choose yours from the list and connect.

For a non-NETGEAR wireless adapter, configure it to match your settings exactly. If you changed the default Network Name (SSID), be sure to use what you set in the wireless router.

WIRELESS FEATURE	DEFAULT SETTING
Network Name (SSID)	NETGEAR
Security	Disabled

Warning: The Network Name is case sensitive. Entering nETgear will not work.

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

The NETGEAR wireless router provides many wireless security options. Your wireless computer may not support all of these options. Please read the NETGEAR manual 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 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. For help with this, please see the animated tutorials on the CD or the *Setup Manual Appendix C* on the CD.
- Some cable modem ISPs require you to use the MAC address of the computer registered on the account. If so, in the Router MAC Address section of the Basic Settings menu, select, "Use this Computer's MAC Address." The router will then capture and use the MAC address of the computer that you are now using. You must be using the computer that is registered with the ISP. Click **Apply** to save your settings. 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 of turning the router on, reset the router as described in the *Setup Manual* on the CD.
- If the Wireless light does not come on, verify that the wireless feature is turned on according to the instructions in the *Setup Manual* on the CD.

Advanced user access.

Technically advanced users who want to bypass the configuration assistant can do so by logging in to the router at <http://www.routerlogin.net/basicsetting.htm> with the user name of admin and the password of password in lower case letters.

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.

Go to wireless router <http://kbserver.netgear.com> for product updates and web support.

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