

## Support

Thank you for purchasing this NETGEAR product. You can visit [www.netgear.com/support](http://www.netgear.com/support) to register your product, get help, access the latest downloads and user manuals, and join our community. We recommend that you use only official NETGEAR support resources.

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## Compliance

For the current EU Declaration of Conformity, visit:  
[http://support.netgear.com/app/answers/detail/a\\_id/11621/](http://support.netgear.com/app/answers/detail/a_id/11621/).

For regulatory compliance information, visit:  
<http://www.netgear.com/about/regulatory/>.

See the regulatory compliance document before connecting the power supply.

# Quick Start

## AC1600 WiFi Cable Modem Router

Model C6250

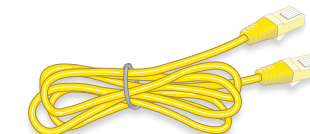


## Package Contents

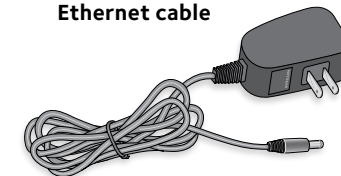
The box contains the following items.



Modem router



Ethernet cable



Power adapter



201-19193-01

February 2016

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San Jose, CA 95134, USA

**NETGEAR®**

You can use this diagram to connect your modem router or follow the detailed instructions in this booklet.

### 1. Collect your cable Internet provider information.

Collect your cable account number, account phone number, and login information (your email address or user name and password).

### 2. Turn off existing modems and routers.

If you are replacing a modem that is currently connected in your home, unplug the modem and plug the new modem router into the same cable wall outlet.

### 3. Connect a coaxial cable.


Use a coaxial cable that is provided by your cable company to connect the cable port on the modem router to a cable wall outlet or a line splitter.

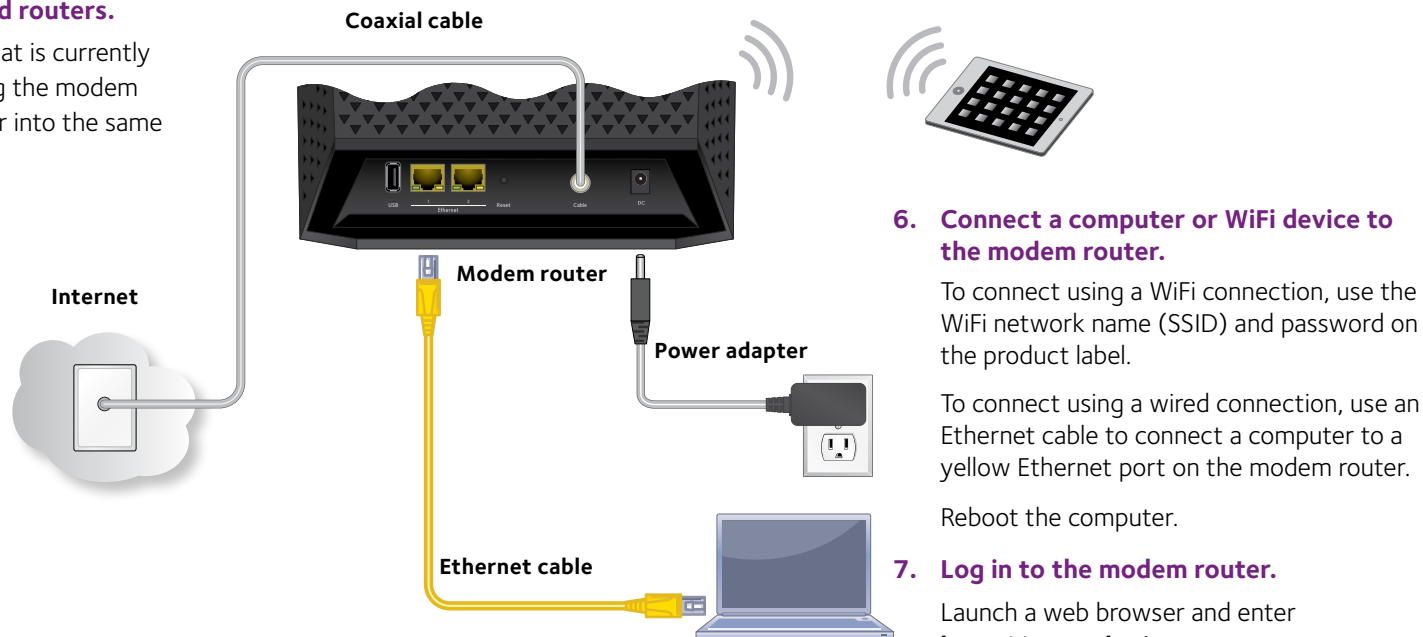
Make sure that the cable is tightly connected.

**Note:** For Comcast XFINITY cable Internet service, Comcast XFINITY recommends connecting your modem router directly to a cable wall outlet.


### 4. Connect the power adapter.

Connect the modem router to the power adapter that was included in the package and plug the power adapter into an electrical outlet.

When the startup procedure is completed, the Power LED  lights green.



### 5. Wait for the modem router to come online.

The modem router comes online when the Internet LED  stops blinking and lights solid green.

This process might take up to 10 minutes.

### 6. Connect a computer or WiFi device to the modem router.

To connect using a WiFi connection, use the WiFi network name (SSID) and password on the product label.

To connect using a wired connection, use an Ethernet cable to connect a computer to a yellow Ethernet port on the modem router.

Reboot the computer.

### 7. Log in to the modem router.

Launch a web browser and enter **<http://routerlogin.net>** or **<http://192.168.0.1>** in the address field of the web browser.

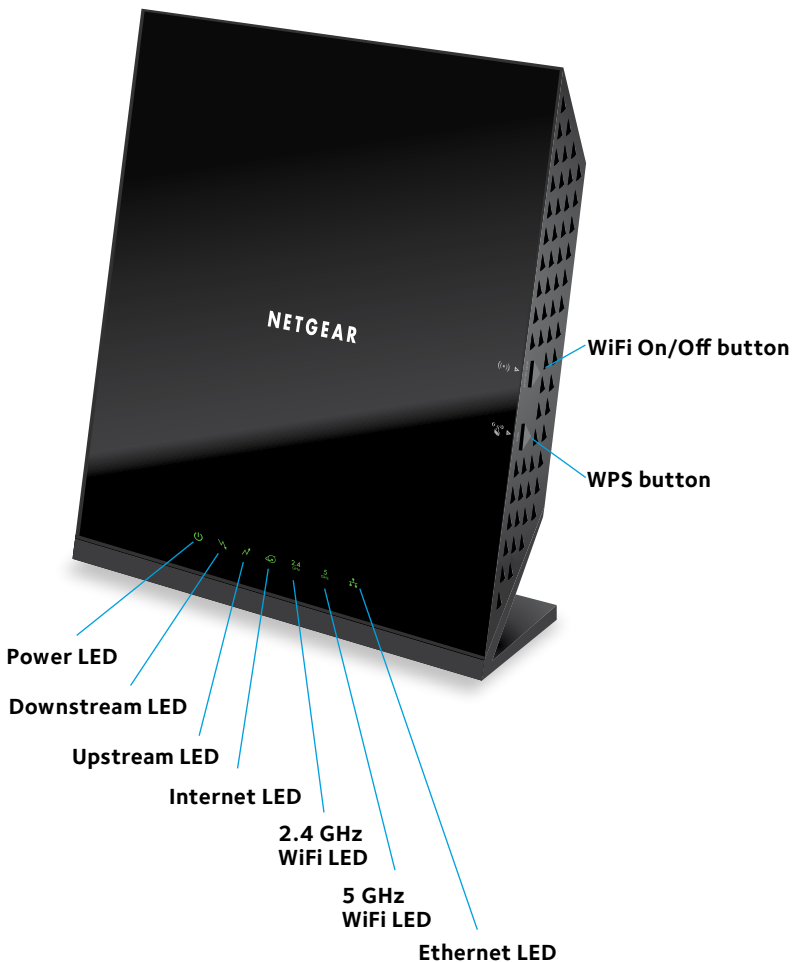
When prompted, enter **admin** for the user name and **password** for the password.






### 8. Activate your Internet service.





For information about how to activate your Internet service, see *Activate Your Internet Service* on page 6.

# LEDs

The LEDs on the modem router light to indicate modem router activity:



LED	Description
Power 	<ul style="list-style-type: none"> <li>• <b>Solid green.</b> Power is supplied to the modem router.</li> <li>• <b>Off.</b> No power is supplied to the modem router.</li> <li>• <b>Solid red.</b> Thermal cutoff mode. Power off the modem router, let it cool, and move it away from heat sources (such as a TV, DVD player, or speakers) and keep it vertical in open air.</li> </ul>
Downstream 	<ul style="list-style-type: none"> <li>• <b>Solid amber.</b> One downstream channel is locked.</li> <li>• <b>Blinking amber.</b> The modem router is scanning for a downstream channel.</li> <li>• <b>Solid green.</b> Two or more downstream channels are locked.</li> <li>• <b>Blinking green.</b> The modem router is scanning for additional downstream channels.</li> <li>• <b>Off.</b> No downstream channel is locked.</li> </ul>
Upstream 	<ul style="list-style-type: none"> <li>• <b>Solid amber.</b> One upstream channel is locked.</li> <li>• <b>Blinking amber.</b> The modem router is scanning for an upstream channel.</li> <li>• <b>Solid green.</b> Two or more upstream channels are locked.</li> <li>• <b>Blinking green.</b> The modem router is scanning for additional upstream channels.</li> <li>• <b>Off.</b> No upstream channel is locked.</li> </ul>
Internet 	<ul style="list-style-type: none"> <li>• <b>Solid green.</b> The modem router is online.</li> <li>• <b>Blinking green.</b> The modem router is synchronizing with the cable provider's cable modem termination system (CMTS).</li> <li>• <b>Slow blinking amber and green.</b> The modem router reached the traffic meter limit. (For information about the traffic meter, see the modem router's user manual.)</li> <li>• <b>Off.</b> The modem router is offline.</li> </ul>
2.4 GHz WiFi 	<ul style="list-style-type: none"> <li>• <b>Solid green.</b> The 2.4 GHz radio is on.</li> <li>• <b>Blinking green.</b> The 2.4 GHz radio is transmitting or receiving data.</li> <li>• <b>Blinking amber.</b> WPS (Wi-Fi Protected Setup) is active.</li> <li>• <b>Off.</b> The 2.4 GHz radio is off.</li> </ul>

LED	Description
5 GHz WiFi 	<ul style="list-style-type: none"> <li>• <b>Solid green.</b> The 5 GHz radio is on.</li> <li>• <b>Blinking green.</b> The 5 GHz radio is transmitting or receiving data.</li> <li>• <b>Blinking amber.</b> WPS (Wi-Fi Protected Setup) is active.</li> <li>• <b>Off.</b> The 5 GHz radio is off.</li> </ul>
Ethernet 	<ul style="list-style-type: none"> <li>• <b>Solid green.</b> A device is connected to an Ethernet port and powered on. Each Ethernet port provides two port LEDs on the back panel.</li> <li>• <b>Blinking green.</b> An Ethernet port is transmitting or receiving data.</li> <li>• <b>Off.</b> No device is connected to an Ethernet port.</li> </ul>
WiFi On/Off button 	Pressing this button for three seconds turns the WiFi radios in the modem router on and off. If the 2.4 GHz WiFi and 5 GHz WiFi LEDs are lit, the WiFi radios are on. If these LEDs are off, the WiFi radios are turned off and you cannot use WiFi to connect to the modem router.
WPS button 	Pressing this button for three seconds activates WPS (Wi-Fi Protected Setup) for two minutes to let you add a WiFi device to the WiFi network without typing the WiFi password. While WPS is active, the 2.4 GHz and 5 GHz WiFi LEDs blink amber.

## Install Your Modem Router

### ➤ To install your modem router:

1. Collect your cable Internet provider information.

Collect your cable account number, account phone number, and login information (your email address or user name and password).

2. Turn off existing modems and routers.

If you are replacing a modem that is currently connected in your home, unplug the modem and plug the new modem router into the same cable wall outlet.


3. Connect a coaxial cable.

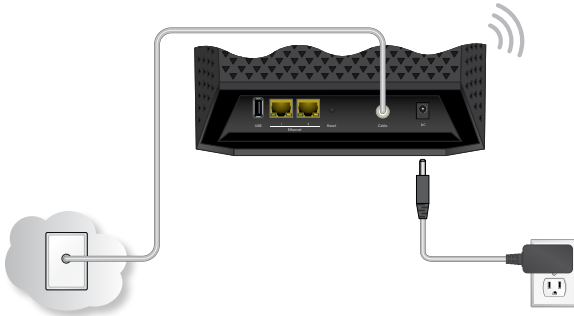
Use a coaxial cable that is provided by your cable company to connect the cable port on the modem router to a cable wall outlet or a line splitter.

Make sure that the cable is tightly connected.


**Note:** For Comcast XFINITY cable Internet service, Comcast XFINITY recommends connecting your modem router directly to a cable wall outlet.

4. Connect the power adapter to the modem router and plug the power adapter into an electrical outlet.

When the startup procedure is completed, the Power LED  lights green.

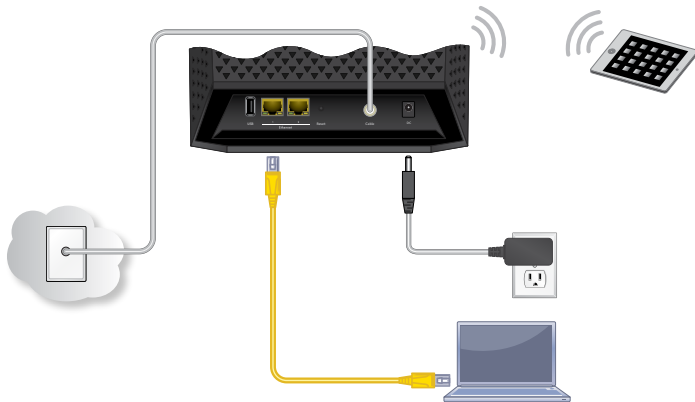


5. Wait for the modem router to come online.

The modem router comes online when the Internet LED  stops blinking and lights solid green.

This process might take up to 10 minutes.

6. Connect a computer or WiFi device to the modem router.



To connect with WiFi, use the WiFi network name (SSID) and network key (password) on the product label.

To connect using a wired connection, use an Ethernet cable to connect a computer to a yellow Ethernet port on the modem router.

Reboot the computer.

7. To log in to the modem router, launch a web browser.
8. In the address field of the web browser, enter **http://www.routerlogin.net** or **http://192.168.0.1**.
9. When prompted, enter **admin** for the user name and **password** for the password.
10. Activate your Internet service.

For more information, see [Activate Your Internet Service](#) on page 6. If your cable Internet provider is Comcast XFINITY, see [Comcast XFINITY Self-Activation](#) on page 8.

# Activate Your Internet Service

## ➤ To activate your Internet service:

1. Visit your cable Internet provider's website and follow the onscreen instructions to activate your Internet service.

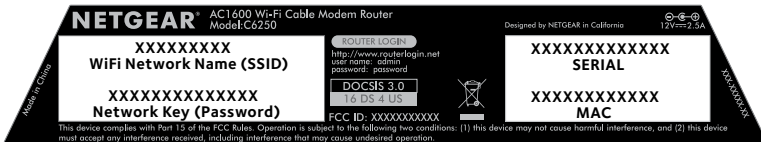
Cable Internet Provider	Contact Information
<b>Bright House Networks</b>	<a href="http://support.brighthouse.com">http://support.brighthouse.com</a> 1-866-898-9101
<b>Cablevision</b>	<a href="http://www.cablevision.com">http://www.cablevision.com</a> <a href="https://install.optimum.com/JointInstall/">https://install.optimum.com/JointInstall/</a> Telephone number depends on your region.
<b>Comcast XFINITY</b>	<a href="http://www.comcast.com/activate">http://www.comcast.com/activate</a> <a href="http://www.xfinity.com/internetsetup">http://www.xfinity.com/internetsetup</a> <a href="http://www.xfinity.com/internetsupport">http://www.xfinity.com/internetsupport</a> 1-800-XFINITY (1-800-934-6489) For more information, see <i>Comcast XFINITY Self-Activation</i> on page 8.
<b>Cox</b>	<a href="https://activation.cox.net/selfactivation/start.cox">https://activation.cox.net/selfactivation/start.cox</a> 1-888-556-1193
<b>Mediacom</b>	<a href="http://www.mediacomcable.com">http://www.mediacomcable.com</a> <a href="https://maestro.mediacomcc.com/walledgarden/page/login.jsp">https://maestro.mediacomcc.com/walledgarden/page/login.jsp</a> 1-844-2SIMPLE (1-844-274-6753)
<b>Time Warner Cable</b>	<a href="http://www.timewarnercable.com">http://www.timewarnercable.com</a> <a href="https://elb02.activatemymodem.com/authentication">https://elb02.activatemymodem.com/authentication</a> 1-800-892-2253

**Note:** You can also find the contact information in your monthly Internet service billing statement.



2. If you are unable to activate your Internet service using the instructions on your cable Internet provider's website, call your cable Internet provider and do the following:
  - a. When asked, provide your account information and provide the modem router's model number, which is C6250, serial number, and MAC address.

The serial number and MAC address are on the product label, which is on the bottom of the modem router.



3. Wait for your cable Internet provider to confirm that your modem router is active.
4. If you do not get an Internet connection with the modem router, ask your cable Internet provider to look for your modem router online, and do one of the following depending on what your cable Internet provider tells you about your modem router:
  - If the modem router is not visible, your cable Internet provider can give you instructions to verify why the modem router does not connect with your high-speed Internet service.
  - If the modem router is visible to your cable Internet provider, reboot the modem router. Check your online status again.

# Comcast XFINITY Self-Activation

Activate your Internet service by using Comcast XFINITY's self-activation process. If you are unable to self-activate your modem router, call Comcast XFINITY customer service.

Before you start the self-activation process, make sure that your account number, account phone number, and login information (your email address or user name and password) are nearby.

## ➤ **To activate your Internet connection with Comcast XFINITY's self-activation process:**

1. Close all web browsers.
2. Launch a web browser.

You are redirected to the XFINITY self-activation page. If you are not redirected to the XFINITY self-activation page, visit [www.comcast.com/activate](http://www.comcast.com/activate).

3. Provide your XFINITY credentials and complete the self-activation process.

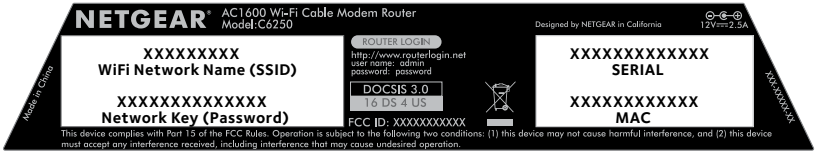
This process might take up to 15 minutes, during which the modem router reboots a couple of times.

4. If you are unable to activate your modem router using the XFINITY self-activation process, call Comcast XFINITY customer service at 1-800-XFINITY (1-800-934-6489):
  - a. When asked, provide your account information and provide the modem router's model number and MAC address, which are on the product label.
  - b. Wait for Comcast XFINITY to confirm that your modem router is active.

- c. If you do not get an Internet connection with the modem router, ask Comcast XFINITY to look for your modem router online, and do one of the following depending on what Comcast XFINITY tells you about your modem router:
- If the modem router is not visible, Comcast XFINITY can give you instructions to verify why the modem router does not connect with your high-speed Internet service.
  - If the modem router is visible to Comcast XFINITY, reboot the modem router. Check your online status again.

# WiFi Network Name and Network Key

The preset WiFi network name (SSID) and network key (password) are unique to your modem router, like a serial number. Because the modem router automatically uses WiFi security, you do not need to set it up. The WiFi settings are on the product label.



NETGEAR recommends that you use the preset WiFi settings because you can check the product label if you forget them. NETGEAR genie lets you change these settings. If you do so, write down the new WiFi settings and store them in a safe place.

For easy reference, you can write the WiFi settings from your product label in the space on the next page.

WiFi network name (SSID): \_\_\_\_\_

Network key (password): \_\_\_\_\_

If you change the WiFi settings, write the new settings here for easy reference and store this booklet in a safe place.

WiFi network Name (SSID): \_\_\_\_\_

Network key (password): \_\_\_\_\_



# Join the WiFi Network

You can either use Wi-Fi Protected Setup (WPS) or select your WiFi network and type its password. For help with the **WPS** button on your computer or WiFi device, check the instructions or online help that came with that computer or device.

## ➤ To select your network and enter its password:

1. Open the software utility that manages your WiFi connections on the computer or WiFi device that you want to connect to your modem router.  
This utility scans for WiFi networks in your area.
2. Find and select your modem router's WiFi network name (SSID).  
The SSID is on the product label.
3. Enter the network key (password) and click the **Connect** button.  
The network key is on the product label.
4. Repeat Step 1 through Step 3 to add other computers or WiFi devices.

## ➤ To join the network using WPS:

1. Press the **WPS** button  next to the WPS icon  on the modem router for three seconds.  
The 2.4 GHz and 5 GHz WiFi LEDs blink amber.
2. Within two minutes, on your computer or WiFi device, press its **WPS** button or click its onscreen **WPS** button.
3. Repeat this process to add other computers or WiFi devices.

# View or Change the Modem Router Settings

After you use genie to set up the modem router, you can log in to the modem router to view or change its settings.

## Log In to the Modem Router

### ➤ To log in to the modem router:

1. Connect a computer or WiFi device to the modem router.  
You can use an Ethernet cable or connect with WiFi:
  - For a wired connection, use an Ethernet cable to connect your computer to a yellow Ethernet port on your modem router.
  - To connect with WiFi, select and join your WiFi network.
2. Launch a web browser.
3. In the address field of the web browser, enter **http://www.routerlogin.net** or **http://192.168.0.1**.  
A login window opens.
4. Enter **admin** for the user name and **password** for the password.  
The BASIC Home page displays.

## Change the admin Password

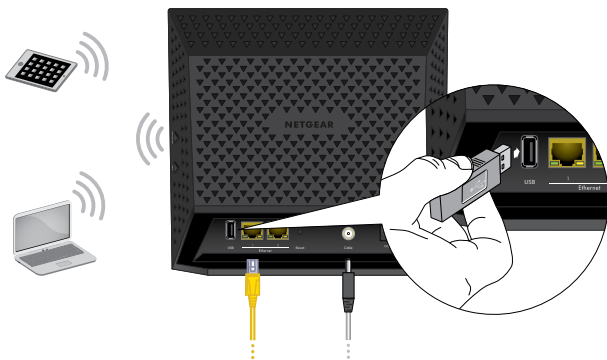
### ➤ To change the admin password:

1. Launch a web browser.
2. In the address field of the web browser, enter **http://www.routerlogin.net** or **http://192.168.0.1**.  
A login window opens.

3. Enter **admin** for the user name and **password** for the password.  
The BASIC Home page displays.
4. Select **ADVANCED > Administration > Set Password**.
5. Type your old password and type the new password twice.
6. Click the **Apply** button.  
Your changes are saved.

## Share a USB Drive on the Network

ReadySHARE lets you access and share a USB drive connected to the modem router USB port. (If your USB drive uses special drivers, it is not compatible.)



### ➤ To access the USB drive from a Windows computer:

1. Connect your USB storage device to a USB port on the modem router.

When you connect the USB storage device to the modem router's USB port, it might take up to two minutes before it is ready for sharing. By default, the USB storage device is available to all computers on your local area network (LAN).

2. On a Windows computer that is connected to the network, select **Start > Run**, enter **\\readyshare** in the dialog box, and click the **OK** button.

A window displays the files and folders on the device.

➤ **To access the USB drive from a Mac:**

1. Connect your USB storage device to a USB port on the modem router.

When you connect the USB storage device to the modem router's USB port, it might take up to two minutes before it is ready for sharing. By default, the USB storage device is available to all computers on your local area network (LAN).

2. On a Mac that is connected to the network, launch Finder and select **Go > Connect to Server**.

The Connect to server window displays.

3. Enter the **smb://readyshare** in the **Server Address** field and click the **Connect** button.
4. When prompted, select the **Guest** radio button.
5. If you set up access control on the modem router and you allowed your Mac to access the network, select the **Registered User** radio button and enter **admin** for the name and **password** for the password.

For more information about access control, see the user manual, which is available online at [downloadcenter.netgear.com](http://downloadcenter.netgear.com) or through a link in the modem router's user interface.

6. Click the **Connect** button.

A window displays the files and folders on the device.



# Share a USB Printer

You can connect a USB printer to a USB port on the modem router and print wirelessly.

## ➤ To set up ReadySHARE Printer:

1. Connect the USB printer to a USB port on the modem router with a USB printer cable.
2. On each computer that will share the printer, do the following:
  - a. Install the current USB printer driver software (available from the printer manufacturer).
  - b. Download the NETGEAR USB Control Center utility from [www.netgear.com/readyspace](http://www.netgear.com/readyspace) and install it.
  - c. Select the language.
3. If prompted, select the printer and click the **Connect** button for each computer.

When the first computer connects, the status changes to Manually connected by *<device name>*, in which *<device name>* is the device name of the computer.

For each computer, when you complete Step 3, the printer status displays as Available.

## Download the NETGEAR genie App

The free NETGEAR genie app lets you easily monitor, connect, and control your home network from a Windows or Mac computer, tablet, or smartphone. You can share and stream music or videos, diagnose and repair network issues, set up parental controls, and more:

- Access your modem router and change its settings or diagnose and repair network issues.
- Make a printer AirPrint compatible so that you can print from an iPad or iPhone.
- Use MyMedia to find and play media files in your network.
- Use Turbo Transfer to quickly send files from your computer or smartphone to another device on the network.
- Set up parental controls.
- Connect your smartphones and tablets to your home WiFi by scanning the WiFi QR code from genie.

Download the free genie app from [www.netgear.com/genie](http://www.netgear.com/genie).