

# Nighthawk AX8 WiFi Cable Modem Router CAX80 User Manual

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**NETGEAR®**

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## Quick Start

### NIGHTHAWK

AX8 WiFi Cable Modem Router

Model CAX80

Download the Nighthawk app to get started

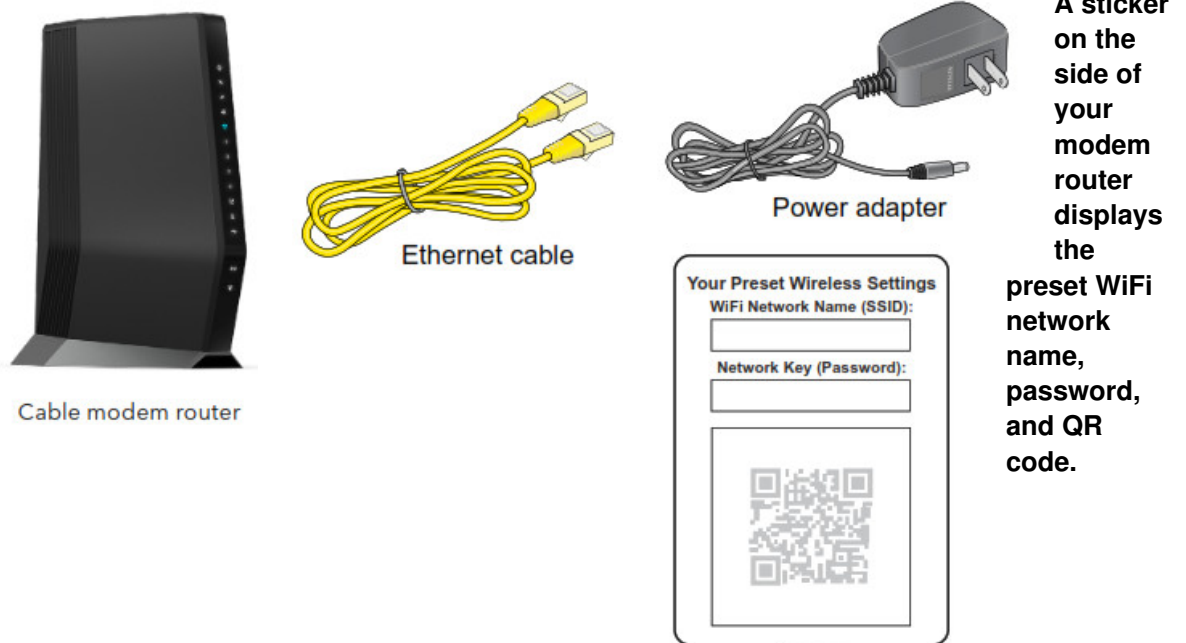


For more information about the Nighthawk app, visit [Nighthawk-app.com](http://Nighthawk-app.com).

Set up your modem router and activate your Internet service with the Nighthawk app.

If you don't want to use the Nighthawk app, set up your modem router using the instructions in Set up using the modem router web interface, and activate your Internet service using the instructions in Activate your Internet service.

## Package contents



## Set up using the modem router web interface

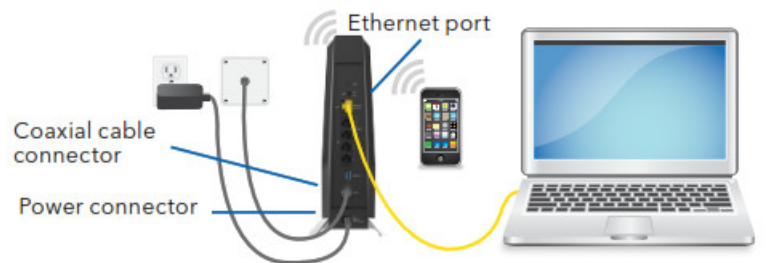
1. Collect your cable Internet service provider (ISP) account information. Collect your ISP accounts information, such as your account mobile phone number, user name, password, and account number.

2. Turn off and disconnect 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 outlet.

3. Connect a coaxial cable.

Use a coaxial cable to connect the coaxial cable connector on the modem router to the cable wall outlet.



4. Connect the power adapter.

Connect the power adapter to the modem router and plug the power adapter into an electrical outlet. The startup procedure takes about one minute. When it is complete, the Power LED lights solid white.

5. Wait for the Online LED  to light solid white.

This process might take up to 10 minutes.

**Note:** When the Online LED lights, your modem router is still not connected to the Internet. You must activate your modem router with your ISP.

6. Connect your computer or mobile device to the modem router with Ethernet or WiFi:
  - Ethernet. Use an Ethernet cable to connect a computer to an Ethernet port on the modem router.
  - WiFi. Use the WiFi network name (SSID) and password on the product label to connect.
7. Launch a web browser and set up your modem router.

Enter routerlogin.net or 192.168.1.1 in the address field of the web browser.

Follow the prompts. You are asked to do the following:

  - Agree to the Terms and Conditions
  - Change your modem router's admin credentials and set up security questions
  - Set up your WiFi network name and password
8. Make sure that you can log in to the modem router web interface after the setup.

In a new web browser window, enter routerlogin.net or 192.168.1.1 and then enter the modem router admin user name and password.

If the BASIC Home page displays, you are ready to activate your Internet service.

### Activate your Internet service

Before you start the self-activation process, collect the following information:









- Your ISP account information
- Cable modem router model number, which is CAX80
- Cable modem router serial number (on the product label)
- Cable modem router MAC address (on the product label)

The following table lists contact information for ISPs that support your cable modem router.




Cable Internet Provider	Contact Information
Cox	<a href="https://www.cox.com/activate">https://www.cox.com/activate</a> 1-888-556-1193
Mediacom	<a href="https://support.mediacomcable.com/">https://support.mediacomcable.com/</a> 1-855-Mediacom (1-855-633-4226)
Optimum	<a href="https://install.optimum.com/JointInstall/">https://install.optimum.com/JointInstall/</a> 1-877-810-6750
Sparklight	<a href="https://support.sparklight.com/">https://support.sparklight.com/</a> 1-877-692-2253
Spectrum	<a href="https://activate.spectrum.net/">https://activate.spectrum.net/</a> 1-833-267-6094
Xfinity	<a href="https://register.xfinity.com/">https://register.xfinity.com/</a> <a href="https://www.xfinity.com/support/articles/activate-purchased-modem">https://www.xfinity.com/support/articles/activate-purchased-modem</a> 1-800-XFINITY (1-800-934-6489)

**Note:** Your ISP's contact information might change. You can also find the contact information in your monthly Internet service billing statement.

1. Visit your ISP's website and follow the onscreen instructions to activate your Internet service.
2. To determine the accurate Internet speed, visit your ISP's speed test website and perform a speed test.

LED	Description
	<ul style="list-style-type: none"> <li>• <b>Solid white.</b> The modem router is receiving power and is functioning normally.</li> <li>• <b>Off.</b> The modem router is not receiving power.</li> <li>• <b>Solid red.</b> The modem router is too warm and might overheat.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Solid amber.</b> One downstream channel is locked.</li> <li>• <b>Solid white.</b> Two or more downstream channels are locked.</li> <li>• <b>Blinking white.</b> The modem router is scanning for a downstream channel.</li> <li>• <b>Off.</b> No downstream channel is locked.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Solid amber.</b> One upstream channel is locked.</li> <li>• <b>Solid white.</b> Two or more upstream channels are locked.</li> <li>• <b>Blinking white.</b> The modem router is scanning for an upstream channel.</li> <li>• <b>Off.</b> No upstream channel is locked.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Solid white.</b> The modem router is online.</li> <li>• <b>Blinking white.</b> The modem router is synchronizing with the cable provider's cable modem termination system (CMTS).</li> <li>• <b>Off.</b> The modem router is offline.</li> </ul>
Multi-Gig Ethernet  	The LED color indicates the speed: blue for a 2.5 Gbps Ethernet connection, white for a 1 Gbps Ethernet connection, and amber for a 100 Mbps Ethernet connection. <ul style="list-style-type: none"> <li>• <b>Solid.</b> A powered-on device is connected to the port.</li> <li>• <b>Blinking.</b> The port is sending or receiving traffic.</li> <li>• <b>Off.</b> No device is connected to this port.</li> </ul>
	The LED color indicates the speed: white for a Gigabit Ethernet connection and amber for a 100 Mbps or a 10 Mbps Ethernet connections. <ul style="list-style-type: none"> <li>• <b>Solid.</b> A powered-on device is connected to the Ethernet port.</li> <li>• <b>Blinking.</b> The port is sending or receiving traffic.</li> <li>• <b>Off.</b> No device is connected to this Ethernet port.</li> </ul>
2.4 GHz radio 	<ul style="list-style-type: none"> <li>• <b>Solid white.</b> The 2.4 GHz WiFi radio is operating.</li> <li>• <b>Blinking white.</b> The modem router is sending or receiving WiFi traffic.</li> <li>• <b>Off.</b> The 2.4 GHz WiFi radio is off.</li> </ul>
5 GHz radio 	<ul style="list-style-type: none"> <li>• <b>Solid white.</b> The 5 GHz WiFi radio is operating.</li> <li>• <b>Blinking white.</b> The modem router is sending or receiving WiFi traffic.</li> <li>• <b>Off.</b> The 5 GHz WiFi radio is off.</li> </ul>

LED	Description
	<ul style="list-style-type: none"> <li>• <b>Solid white.</b> A USB device is connected and ready.</li> <li>• <b>Blinking white.</b> A USB device is plugged in and trying to connect.</li> <li>• <b>Off.</b> No USB device is connected.</li> </ul>
	Pressing this button lets you use WPS to join the WiFi network without typing the password
	Pressing this button for two seconds turns the 2.4 GHz and 5 GHz WiFi radios on and off.

## Support

Thank you for purchasing this NETGEAR product. You can visit

<https://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.

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

See the regulatory compliance document before connecting the power supply.

Customer-owned cable modems might not be compatible with certain cable networks. Check with your cable Internet provider to confirm that this NETGEAR the cable modem is allowed on your cable network.

If you are experiencing trouble installing your modem router, contact NETGEAR at 1-866-874-8924. If you are experiencing trouble connecting your router, contact the router manufacturer.

Note to CATV System Installer- This reminder is provided to call the CATV systems installer's attention to Section 820-93 of the National Electrical Code, which provides guidelines for proper grounding and in particular, specifies that coaxial cable shield shall connect to the grounding system of the building, as close to the point of cable entry

as practical

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