Quick Start

Configure a router with advanced MAC settings to work with your extender

1. Log in to your extender network. (The first virtual MAC address that displays for your extender’s 2.4 GHz or 5 GHz network is the same.)

2. Power on the extender and connect all of your WiFi devices to the extender.

3. Make sure that the Hub Link LED remains lit.

4. Launch a web browser from a computer or mobile device that is connected to your extender network. (The first virtual MAC address that displays for your extender’s 2.4 GHz or 5 GHz network is the same.)

5. Select Settings > Connected Devices.

6. On the router, add all of the extender’s virtual MAC addresses and all of the virtual MAC addresses of the devices connected to the extender to your router’s MAC filter table.

Note: To reserve a specific IP address for the extender, you must specify the first virtual MAC address that displays for your extender’s 2.4 GHz or 5 GHz network in your router’s IP reservation table. (The first virtual MAC address that displays for your extender’s 2.4 GHz and 5 GHz networks is the same.)

7. Enable the router’s MAC filter, WiFi access control, or ACL.

Support

Thank you for purchasing this NETGEAR product. You can visit 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 follow us on Twitter @NETGEAR. The Status page displays.

c. Enter your admin user name and password and click the Log IN button.

5. Select Settings > Connected Devices.

The Connected Devices page displays the MAC addresses and virtual MAC addresses for computers and WiFi devices that are connected to the extender.

6. On the router, add all of the extender’s virtual MAC addresses and all of the virtual MAC addresses of the devices connected to the extender to your router’s MAC filter table.

Note: To reserve a specific IP address for the extender, you must specify the first virtual MAC address that displays for your extender’s 2.4 GHz or 5 GHz network in your router’s IP reservation table. (The first virtual MAC address that displays for your extender’s 2.4 GHz and 5 GHz networks is the same.)

7. Enable the router’s MAC filter, WiFi access control, or ACL.

For regulatory compliance information including the EU Declaration of Conformity, visit https://www.netgear.com/about/regulatory/

See the regulatory compliance document before connecting the power supply.

February 2019

Quick Start

Nighthawk X6
AC2200 Tri-Band WiFi Mesh Extender
Model EX7700

LED descriptions

- **Power LED:** The Power LED is on the back of the extender.
  - Solid white: The extender is powered on.
  - Solid amber: The extender is booting.
  - Blinking amber: The extender is resetting to its factory default settings.
  - Blinking green: The firmware is corrupted.
  - Off: The extender is powered off.

- **Router Link LED:** This LED indicates the WiFi connection between the extender and the router.
  - Off: No connection.
  - Solid white: Good connection.
  - Blinking white: A WPS connection is being established.
  - Solid amber: Connection to an Ethernet port.
  - Blinking amber: No Ethernet device is connected to an Ethernet port.

- **WPS LED:** The WPS LED on the back of the extender.
  - Off: The WPS LED is off.
  - Solid white: Enabled.
  - Blinking white: A WPS connection is being established.
  - Solid amber: The extended network is enabled with WiFi security (either WPA or WPA2).
  - Blinking amber: The extended network is enabled without WiFi security.
  - Solid red: The extender is powered off.
  - Blinking red: The extender is booting.

- **Ethernet LED:** An Ethernet device is connected to an Ethernet port.
  - Off: No Ethernet devices are connected to an Ethernet port.
  - Solid white: An Ethernet device is connected to an Ethernet port.

- **Client Link LED:** The Client Link LED indicates the WiFi connection between the extender and the mobile device.
  - Off: No connection.
  - Solid white: The extended network is enabled with WiFi security (either WPA or WPA2).
  - Blinking white: A WPS connection is being established.
  - Solid red: The extender is powered off.
  - Blinking red: The extender is booting.

- **Information:**
  - To reserve a specific IP address for the extender, you must specify the first virtual MAC address that displays for your extender’s 2.4 GHz or 5 GHz network in your router’s IP reservation table. (The first virtual MAC address that displays for your extender’s 2.4 GHz and 5 GHz networks is the same.)
  - Enable the router’s MAC filter, WiFi access control, or ACL.
Getting started

1. For initial setup, place your extender in the same room as your router. You can move your extender to a new location after the setup.

2. Connect the power adapter to your extender and plug the power adapter into an outlet.

3. Wait for Power LED to light green.

4. If the Power LED does not light, press the Power On/Off button.

5. Connect your extender to your existing WiFi network using one of these methods:
   • Connect with the Nighthawk app. The Nighthawk app guides you through the installation.
     - For more information, see Connect with the Nighthawk app.
   • Connect with WPS. Wi-Fi Protected Setup (WPS) lets you join a secure WiFi network without typing the network name and password. Your router must support WPS to use this method.
     - For more information, see Connect with WPS.

Connect with the Nighthawk app

1. Download the Nighthawk app on your mobile device.

   For more information about the Nighthawk app, visit Nighthawk-app.com.

2. On your mobile device, open the WiFi connection manager, then locate and connect to the extender network called NETGEAR_EXT.

3. Launch the Nighthawk app.

4. Follow the prompts to connect your extender to your router WiFi network.

5. After the setup is complete, move your extender to a new location.

6. Connect your WiFi-enabled devices to the extended network.

   For more information, see Connect your device to the extended network.

Connect with WPS

1. Press the WPS button on the extender until the WPS LED blinks white.

2. Within two minutes, press the WPS button on your router. When the extender connects to the router, the Router Link LED lights.

   - If the Router Link LED lights white, the connection between your router and extender is good. If the Router Link LED lights amber or red, move the extender closer to the router and try again.

   - Note: If your router supports the 5 GHz band and your extender didn’t connect to that band, repeat the WPS process.

3. Move your extender to a new location.

   For more information, see Find a good spot for your extender.

4. Connect your WiFi-enabled devices to the extended network.

   For more information, see Connect your device to the extended network.

Connect your device to the extended network

After the setup, the One WiFi Name feature is enabled, which allows your extender to use the same WiFi network settings as your router.

If you used the Nighthawk app to connect your extender, the following table lists examples of what your 2.4 and 5 GHz extended WiFi names might look like:

<table>
<thead>
<tr>
<th>Dual-band router WiFi names</th>
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<th>Extended WiFi names</th>
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<tr>
<td>2.4 GHz MyWiFiExample</td>
<td>MyWiFiExample</td>
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<tr>
<td>5 GHz MyWiFiExample-5G</td>
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If you used WPS to connect your extender, the extended WiFi network name is based on the first WiFi network that it connected to—2.4 or 5 GHz. The following table lists examples of what your extended WiFi name might look like:

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Find a good spot for your extender

1. Unplug your extender and move it to a new location.

2. Power on your extender.

3. Use the Router Link LED to find a spot where the extender-to-router connection is optimal.

   For more information about the Router Link LED, see LED descriptions on the other side of this quick start guide.

4. Connect your WiFi-enabled devices to the extended network.

   For more information, see Connect your device to the extended network.

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Follow the prompts to connect your extender to your router WiFi network.

If the Router Link LED lights white, the connection between your router and extender is good. If the Router Link LED lights amber or red, move the extender closer to the router and try again.

Note: If your router supports the 5 GHz band and your extender didn’t connect to that band, repeat the WPS process.

3. Move your extender to a new location.

   For more information, see Find a good spot for your extender.

4. Connect your WiFi-enabled devices to the extended network.

   For more information, see Connect your device to the extended network.

Connect your device to the extended network

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4. Connect your WiFi-enabled devices to the extended network.

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Follow the prompts to connect your extender to your router WiFi network.

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