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

If you enabled a WiFi MAC filter, WiFi access control, or access control list (ACL) on your router, when a WiFi device connects through the extender to your router, the MAC address of the WiFi device shown on the router is translated to another MAC address.

If your router's MAC filter, WiFi access control, or ACL is enabled, the WiFi device connects to the extender network, but cannot get an IP address from the extender and cannot access the Internet.

To allow the WiFi device to receive an IP address from the extender and access the Internet, you must provide the translated MAC address to the router.

To add a translated MAC address to your router and reserve an IP address for your extender:

1. Log in to your router and disable the MAC filter, WiFi access control, or ACL.

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

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

4. Log in to your extender:
   a. Launch a web browser from a computer or mobile device that is connected to your extender network.
   b. Log in to your extender network.
   c. Enter your admin 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 network.

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 displayed for your extender's 2.4 GHz or 5 GHz network in your router's IP reservation table.

   To reserve a specific MAC address for your extender's 2.4 GHz or 5 GHz networks, follow these steps:

   a. Log in to your router.
   b. Select Advanced > MAC Address.
   c. Enter the MAC address of the MAC filter for your extender, or ACL.
   d. Enter the MAC address of the WiFi device that you want to reserve an IP address for, or ACL.
   e. Save the changes and exit.

7. Enter one of the following URLs:
   - http://www.mywifiext.net
   - http://mywifiext.local
   - <extender's IP address>/
   - http://mywifiext.net/
   - http://mywifiext.local
   - http://mywifiext.net/

   Note: Enter one of the following URLs, depending on whether your extender's 2.4 GHz or 5 GHz network is enabled:

   - http://mywifiext.net/
   - http://mywifiext.local

   This URL displays the extender network.

   - http://mywifiext.net/
   - http://mywifiext.local

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   This URL displays the extender network.
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.

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

Connect with WPS

1. Press the WPS button on the extender for less than five seconds. The WPS LED lights.

Note: If you press the WPS button for more than five seconds, the extender turns off.

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 green, 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.

Find a good spot for your extender

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

We recommend that the new location be about halfway between your router and the area with a poor WiFi signal.

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.

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 extended WiFi names might look like:

<table>
<thead>
<tr>
<th>Dual-band router WiFi names</th>
<th>Extended WiFi names</th>
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<tbody>
<tr>
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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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WPS does not support WEP network security or a hidden WiFi network. If your router WiFi network uses WEP security or uses a hidden WiFi network, follow the instructions in Connect with the Nighthawk app.

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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

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. Plug the extender into an electrical outlet.

3. Wait for Power LED to light solid green.

4. If the Power LED does not light, press the 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
     WPS does not support WEP network security or a hidden WiFi network. If your router WiFi network uses WEP security or uses a hidden WiFi network, follow the instructions in Connect with the Nighthawk app.

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