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 extender 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, 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.

If your extender network is enabled, the WiFi device connects to the extender, but cannot get an IP address from the extender and cannot access the Internet.

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.

For more information about how to disable your router’s MAC filter, WiFi access control, or ACL, see your router’s documentation.

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:

- If you enabled the One WiFi Name feature, enter www.mywifiext.net in the address field of the browser.
- If you enabled the One WiFi Name feature, one of the following URLs:
  - Windows-based computer: http://mywifiext/install/
  - Mac computers and iOS devices: http://mywifiext/install/
  - Android devices: http://extender-ip.address/ (for example, http://192.168.1.3)

A login page displays.

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

The Status page displays.

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 that displays for your extender’s 2.4 GHz or 5 GHz network in your router's IP reservation table. For the first virtual MAC address that displays for your extender’s 2.4 GHz and 5 GHz networks, the same MAC address is used.

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 for help with 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.

If this product is sold in Canada, you can access this document in French Canadian at https://downloadcenter.netgear.com/other/

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.
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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<td>MyWiFiExample</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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Connect your device to the extended network

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For more information about the Nighthawk app, visit [Nighthawk app](https://www.netgear.com/).

1. Press the WPS button on the extender for less than five seconds. The WPS LED lights.
2. Within two minutes, press the WPS button on your router.
3. If the router supports the 5 GHz band and your extender didn’t connect to that band, repeat the WPS process.
4. Move your extender to a new location. For more information, see Find a good spot for your extender.
5. Connect your WiFi-enabled devices to the extended network. For more information, see Connect your device to the extended network.