LED Descriptions

For more information about the LEDs, see the user manual.

Router Link LED	This LED indicates the WiFi connection between the extender and the router. • **Solid white**. Best connection. • **Solid amber**. Good connection. • **Solid red**. Poor connection. • **Off**. No connection.
Client Link LED	• **Solid white**. The extender is connected to a WiFi-enabled computer or mobile device. • **Off**. The extender is not connected to a WiFi-enabled computer or mobile device.
WPS LED	• **Blinking white**. A WPS connection is being established. • **Solid white**. The extended network is enabled with WiFi security (either WPA or WPA2). • **Off**. The extended network is enabled without WiFi security.
Ethernet LED	• **Solid white**. An Ethernet device is connected to an Ethernet port. • **Off**. No Ethernet devices are connected to an Ethernet port.
Power LED	The Power LED is on the back of the extender. • **Solid green**. 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.

Log In to Access Extender Settings

After installation, you can log in to the extender to view or change the extender's settings.

➢ **To log in to the extender:**

1. Launch a web browser from a computer or mobile device that is connected to your extender network.
2. Log in to your extender:
   - If you did not enable the One WiFi Name feature, enter **www.mywifiext.net** in the address field of the browser.
   - If you enabled the One WiFi Name feature, enter one of the following URLs:
     - **Windows-based computer**. http://mywifiext.local or http://mywifiext
     - **Mac computers and iOS devices**. http://mywifiext.local
     - **Android devices**. http://<extender's IP address> (for example, http://192.168.1.3)

     To find your extender's IP address, do the following:

     a. Log in to your router.
     b. Find the page in your router web interface that lists the devices connected to your router.
     c. Find your extender in the list and note your extender's IP address.
     d. Enter your extender's IP address in the address field of your web browser.

   A login page displays.
3. Enter your admin email address and password and click the **LOG IN** button.

   The Status page displays.

Set Up a Router With a MAC Filter, WiFi Access Control, or ACL

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 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 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.

   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 did not enable the One WiFi Name feature, enter **www.mywifiext.net** in the address field of the browser.
      - If you enabled the One WiFi Name feature, enter one of the following URLs:
        - **Windows-based computer**. http://mywifiext.local or http://mywifiext
        - **Mac computers and iOS devices**. http://mywifiext.local
        - **Android devices**. http://<extender's IP address> (for example, http://192.168.1.3)

      A login page displays.
   c. Enter your admin email address 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 the 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 use only official NETGEAR support resources.

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à http://downloadcenter.netgear.com/other/.

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

For the current EU Declaration of Conformity, visit http://kb.netgear.com/11621.

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

See the regulatory compliance document before connecting the power supply.

NETGEAR®

Quick Start

NIGHTHAWK® X6

AC2200 Tri-Band WiFi Range Extender

Model EX7700

Getting Started

To extend the range of your WiFi network, you must connect the extender to your existing WiFi network.

You can do this in one of two ways:

- **Connect with WPS**. Wi-Fi Protected Setup (WPS) lets you join a secure WiFi network without typing the network name and password. For more information, see Connect With WPS.

  Note: 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 NETGEAR Installation Assistant.

- **Connect with the NETGEAR installation assistant**. To use the NETGEAR installation assistant, you must launch a web browser on your computer or mobile device.

  Note: If your router's WiFi security setting is set to WPA2 enterprise, your extender can't connect to your router. You must change your router's WiFi security setting.

Connect With WPS

1. **Place the extender and supply power.**

   a. Place the extender close to your router.
   b. Connect the power adapter to your extender and plug the power adapter into an outlet.
   c. Wait for Power LED to light green.
   If the Power LED does not light, press the **Power On/Off** button.

2. **Connect your extender to your router with WPS.**

   a. Press the **WPS** button on the extender.
   The WPS LED blinks white.
   b. 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, your extender attempts to connect to the router's 5 GHz band the first time you press the **WPS** button. If your extender did not connect to the router's 5 GHz band the first time, repeat the WPS process.

3. **Choose a location and check the signal strength.**

   a. Move your extender to a new location that is about halfway between your router and the area with a poor router WiFi signal.
   The location that you choose must be within the range of your existing WiFi router network. See the previous image for an example.
   Check the Router Link LED again.

4. **Connect your devices.**

   a. Take your WiFi-enabled computer or mobile device to the location with poor WiFi router coverage.
   b. Connect your WiFi-enabled computer or mobile device to the extended network.
   We recommend that you connect to the 5 GHz extended network.
   Your extender uses the same WiFi network settings as your router for its 2.4 GHz and 5 GHz extended networks.
   For example, if your extender connects to the router's 5 GHz WiFi band, your extender uses your router's 5 GHz WiFi settings for both its networks:
   - **Router 2.4 GHz WiFi network name**. MyWiFiExample
   - **Router 5 GHz WiFi network name**. MyWiFiExample-5G
   - **Extended 2.4 GHz WiFi network name**. MyWiFiExample-5G
   - **Extended 5 GHz WiFi network name**. MyWiFiExample-5G

   If your extender connects to the router's 2.4 GHz WiFi band, your extender uses your router's 2.4 GHz WiFi settings for both its networks:
   - **Router 2.4 GHz WiFi network name**. MyWiFiExample
   - **Router 5 GHz WiFi network name**. MyWiFiExample-5G
   - **Extended 2.4 GHz WiFi network name**. MyWiFiExample
   - **Extended 5 GHz WiFi network name**. MyWiFiExample

   Note: Since your router and extended networks share the same WiFi network name, only one WiFi network name is broadcast.

Connect With the NETGEAR Installation Assistant

1. **Place the extender and supply power.**

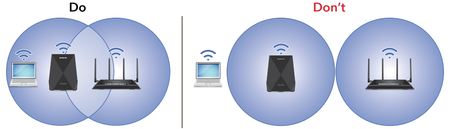
   a. Place the extender close to your router.
   b. Connect the power adapter to your extender and plug the power adapter into an outlet.
   c. Wait for Power LED to light green.
   If the Power LED does not light, press the **Power On/Off** button.

2. **Connect your device to the extender.**

   a. Connect a computer or mobile device to the extender using a WiFi or Ethernet connection:
   - **WiFi**. On your WiFi-enabled computer or mobile device, open the WiFi connection manager and locate and connect to the extender network called NETGEAR_EXT.
   When your WiFi-enabled computer or mobile device is connected to the extender, the Client Link LED lights solid white.
   - **Ethernet**. Use an Ethernet cable to connect the Ethernet port on the extender to an Ethernet port on your computer.
   When your computer is connected to the extender, the Ethernet LED lights solid white.

3. **Connect your extender to your router with a web browser.**
   a. Launch a web browser and visit www.mywifiext.net.
   The NETGEAR installation assistant displays.
   b. Follow the prompts to connect your extender to your existing WiFi network.

4. **Choose a location and check the signal strength.**



   a. Move your extender to a new location that is about halfway between your router and the area with a poor router WiFi signal.
   The location that you choose must be within the range of your existing WiFi router network. See the previous image for an example.
   The Router Link LED helps you choose a spot where the extender-to-router connection is optimal. For more information, see LED Descriptions.
   b. If you get no connection or a poor connection, move the extender closer to your router and try again until the Link Status LED lights white.

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