Installation

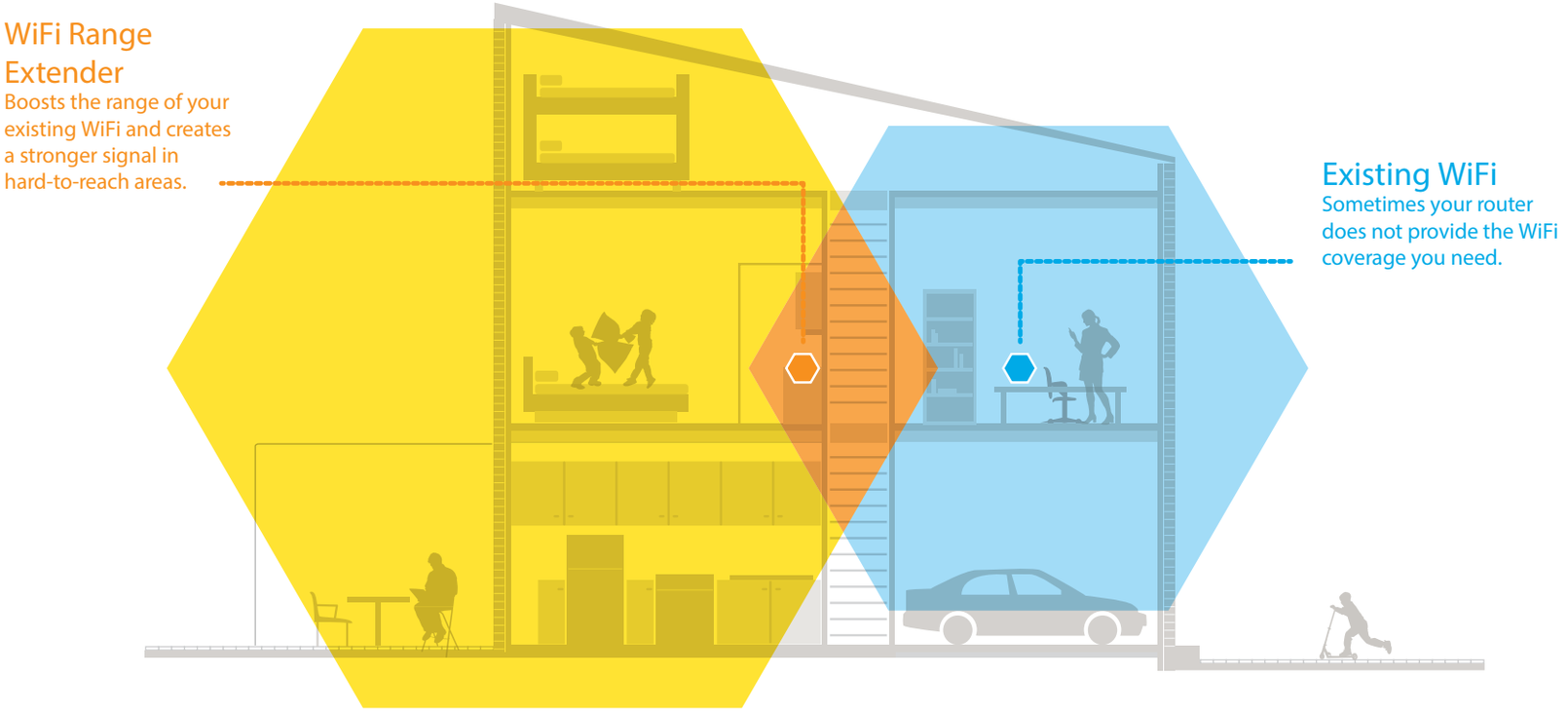
N300 WiFi Range Extender

Model EX2700

NETGEAR®

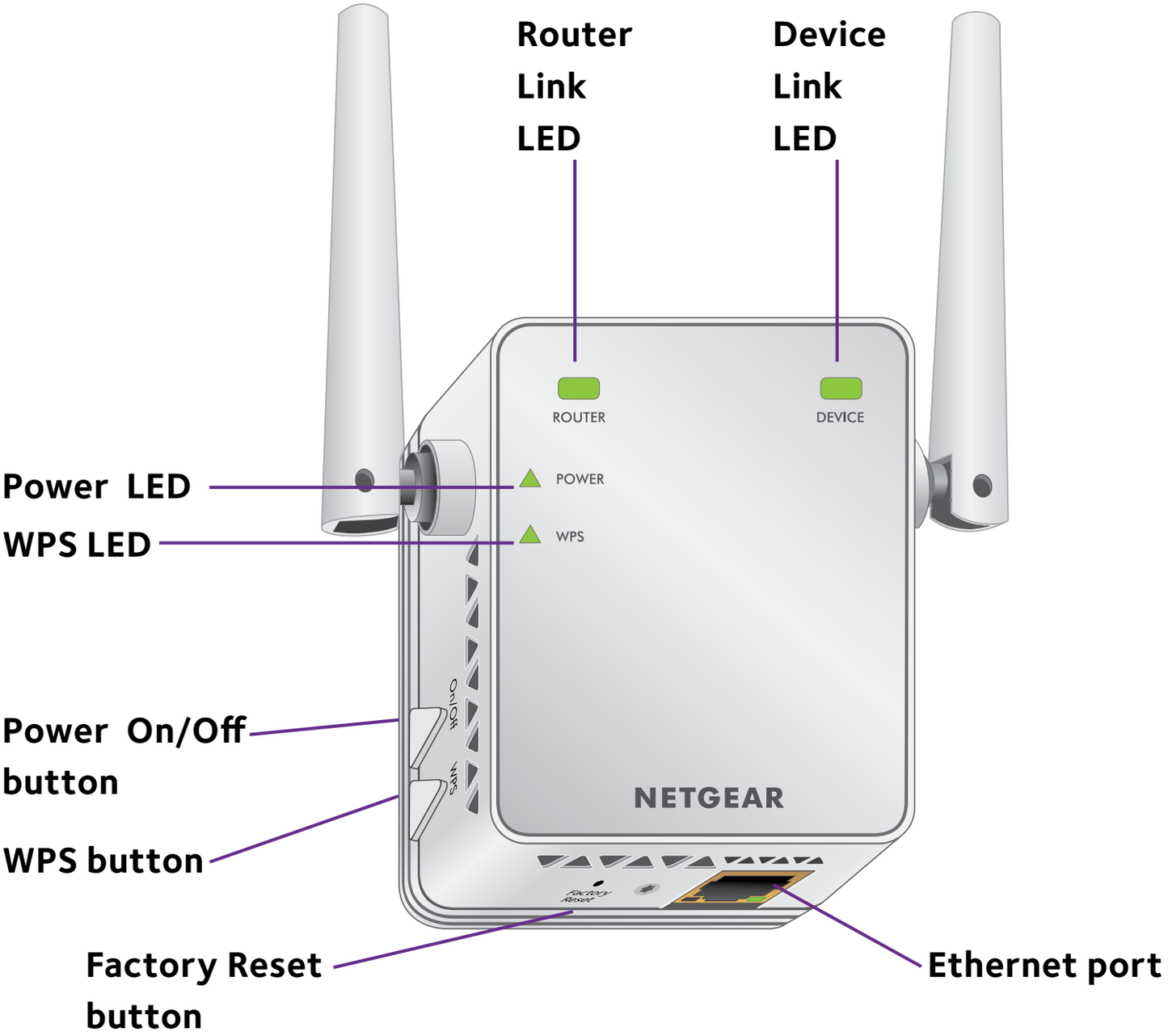
Getting Started

The NETGEAR WiFi Range Extender increases the distance of a WiFi network by boosting the existing WiFi signal and enhancing the overall signal quality over long distances. An extender repeats the signals from an existing WiFi router or access point.



Meet Your Extender

Before you install your extender, familiarize yourself with its LEDs, buttons, and port.



LED Descriptions

Router Link LED ROUTER	This LED indicates the connection between the extender and the router or access point. **Solid green**. Best connection. **Solid amber**. Good connection. **Solid red**. Poor connection. **Off**. No connection.
Device Link LED DEVICE	This LED indicates the connection between the extender and a computer or mobile device. **Solid green**. Best connection. **Solid amber**. Good connection. **Solid red**. Poor connection. **Off**. No connection.
Power LED POWER	**Solid amber**. The extender is booting. **Solid green**. The extender is powered on. **Off**. The extender is powered off.
WPS LED WPS	**Solid green**. WiFi security is enabled (WPA or WPA2). **Blinking green**. A WPS connection is being established. **Off**. WiFi security is not enabled.

Note: If the Router Link LED or Device LED is amber or red, see "Find the Best Location" on page 10.

Install the WiFi Extender

Place the extender, apply power, and connect it to your WiFi network.

Place the Extender and Apply Power

1. Place your extender in the same room as your WiFi router.

   Proximity to the WiFi router is required only during the initial setup process.

2. Plug the extender into an electrical outlet.

   The Power LED lights green. If the Power LED does not light, press the **Power** button.

Connect to an Existing WiFi Network

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**. For more information, see "Connect with WPS" on page 6.
- **Connect with web browser setup**. For more information, see "Connect with Web Browser Setup" on page 7.

Connect with WPS

Wi-Fi Protected Setup (WPS) lets you join a secure WiFi network without typing the network name and password.

Note: WPS does not support WEP network security. If you are using WEP security, follow the instructions in “Connect with Web Browser Setup” on page 7.

1. Press the **WPS** button on the side panel of the extender.

   The WPS LED blinks.

2. Within two minutes, press the **WPS** button on your router or access point.

   The WPS LED on the extender lights solid green, the Router Link LED lights, and the extender connects to your existing WiFi network.

   If the Router Link LED does not light, try again. If it still does not light, see “Connect with Web Browser Setup” on page 7.

3. Find the new extender network name.

   The extender’s wireless network name (SSID) changes to your existing WiFi network name, with **_EXT** at the end of the name, for example:

   - **Existing WiFi network name**. MyNetworkName
   - **New extended network name**. MyNetworkName_EXT

4. Connect your WiFi devices to the new extender network.

   Use the same WiFi password that you use for your WiFi router.

5. Unplug the extender and move it to a new location closer to the area with a poor WiFi signal.

   The location that you choose must be within the range of your existing WiFi router network.

6. Plug the extender into an electrical outlet.

   The Power LED lights green. If the Power LED does not light, press the **Power** button.

7. Use the Router Link LED on the front panel to help you choose a spot where the extender-to-router connection is optimal.

Connect with Web Browser Setup

1. Use a WiFi network manager on a computer or mobile device to find and connect to the NETGEAR_EXT (SSID) WiFi network.

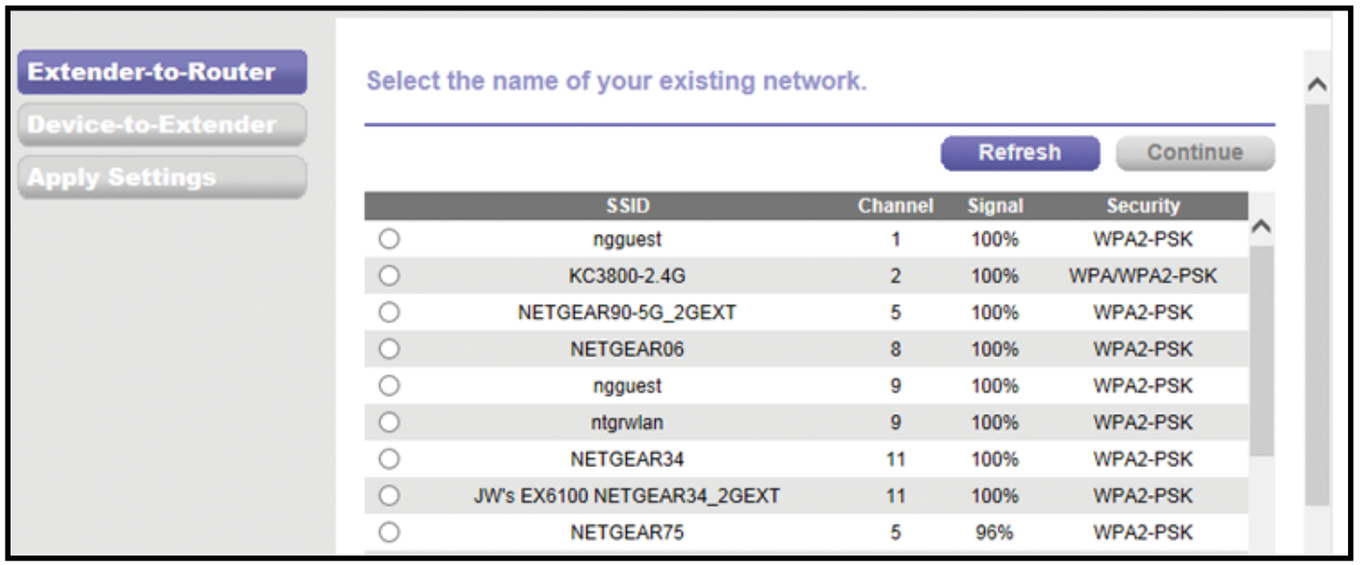
   After the connection with the computer or mobile device is established, the Device Link LED lights.

2. Open a web browser window from the same computer or mobile device.

   The browser takes you directly to the NETGEAR genie Smart Setup. If you are not automatically directed to NETGEAR genie, launch a web

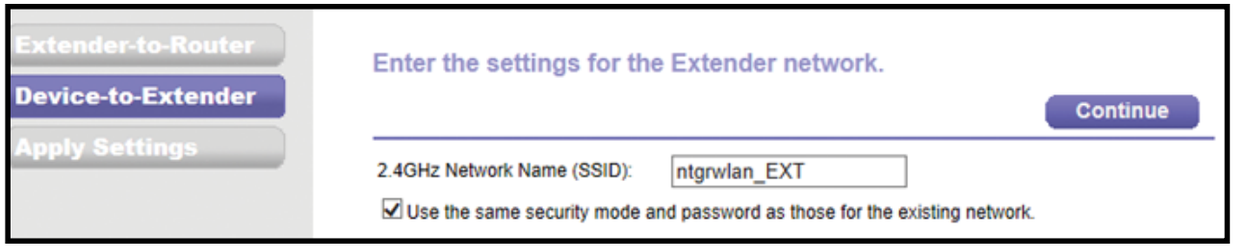
browser and type **www.mywifiext.net** in the address field. Enter **admin** for the user name and **password** for the password.

3. Select a WiFi network to extend and click the **Continue** button.



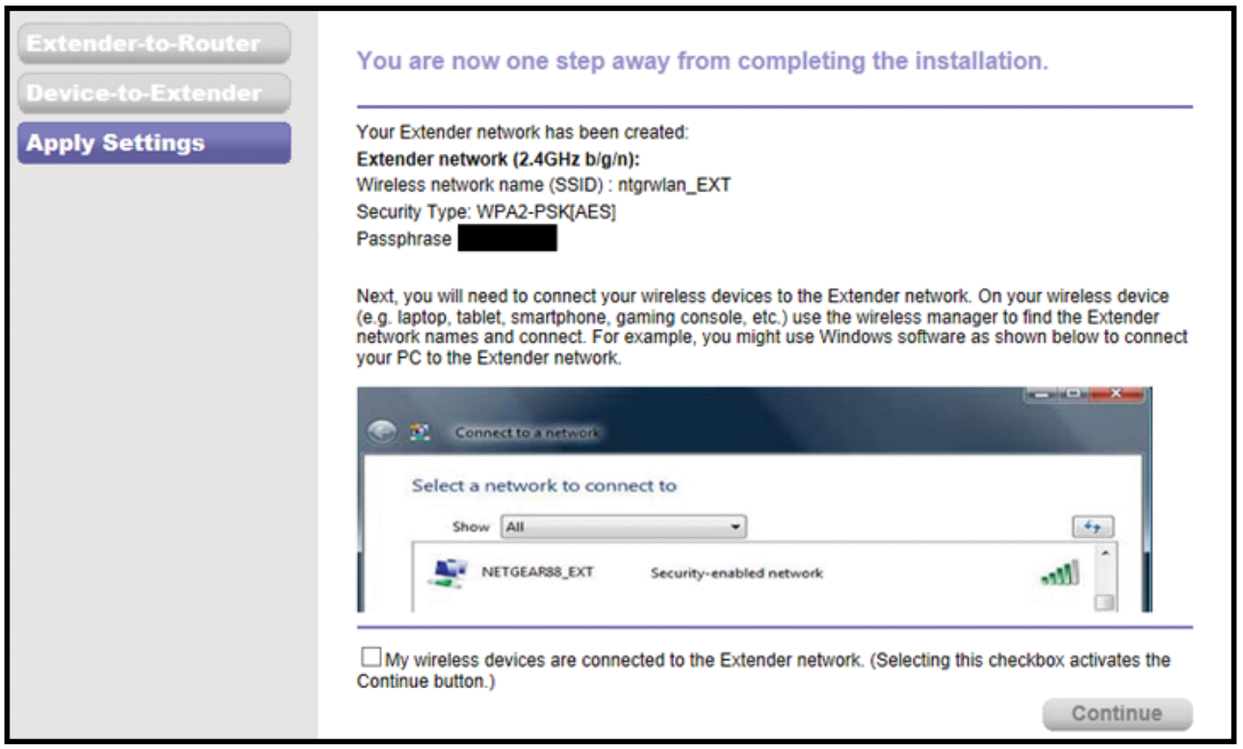
4. Type the network password (also called passphrase or security key) in the **Password** field, and click the **Continue** button.

5. In the **Name** field, type the name (SSID) for your new extender WiFi network and click the **Continue** button.



You can use the same security settings as your existing network by selecting the check box.

The settings are applied and the following screen displays.

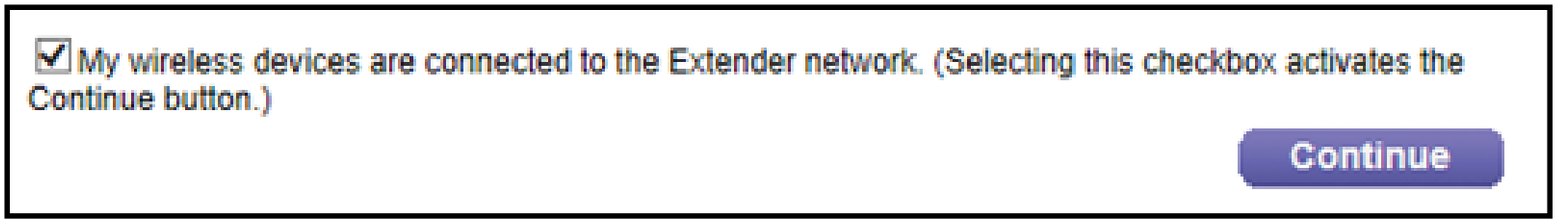


On iPads, iPhones, and MacBook computers, this screen automatically closes.

6. Use a WiFi network manager on the computer or mobile device to connect to the extender's newly created WiFi network.

   Repeat this step for all of your computers and mobile devices.

7. If the screen is still displayed on your computer or device, select the check box at the bottom of the screen and click the **Continue** button.



8. Unplug the extender and move it to a new location closer to the area with a poor WiFi signal.

   The location that you choose must be within the range of your existing WiFi router network.

9. Plug the extender into an electrical outlet.

   The Power LED lights green. If the Power LED does not light, press the **Power** button.

   Use the Router Link LED to help you choose a spot where the extender-to-router connection is optimal.

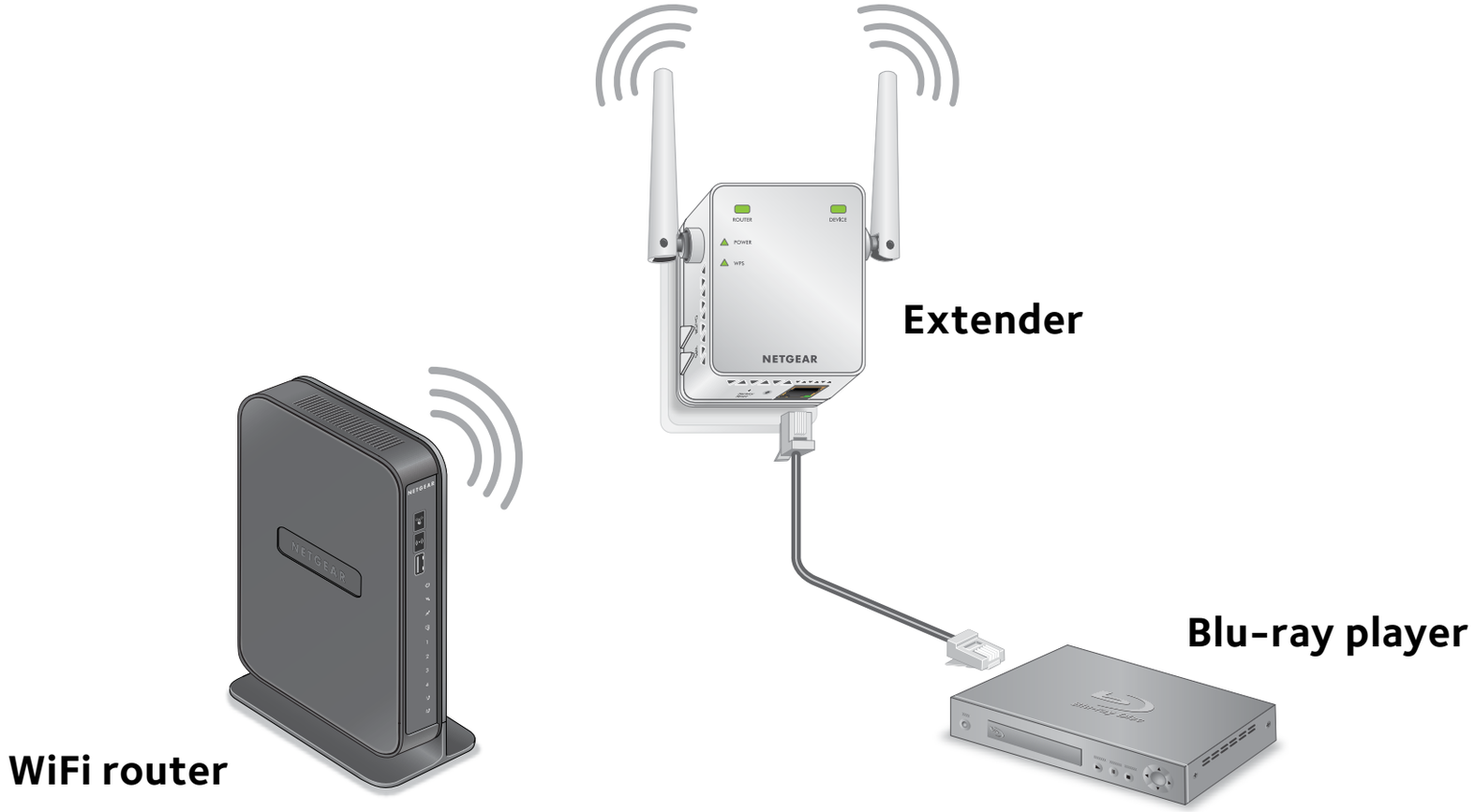
Find the Best Location

If the WiFi signal is weak, the first time you join the extender network, the Router Link LED or Device Link LED is amber or red. If this happens, adjust the position of the extender.

- If the Router Link LED is amber or red, move the extender closer to the router.
- If the Device Link LED is amber or red, move the computer or mobile device closer to the extender.

Connect an Ethernet-Enabled Device

After the extender is connected to your existing WiFi network, you can connect a wired device to the extender using an Ethernet cable. That device can then access your existing network through the WiFi connection.



1. Set up the extender.

   For more information, see “Place the Extender and Apply Power” on page 5.

2. Connect the extender to an existing WiFi network.

For more information, see “Connect to an Existing WiFi Network” on page 5.

3. Plug the Ethernet cable from an Ethernet-enabled device in to the Ethernet port on the extender.

Log In to Access Extender Settings

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

1. Connect a computer or mobile device to the extender’s network.
2. Launch a web browser and in the address field, enter **www.mywifiext.net** or **www.mywifiext.com**.

   A login screen displays.
3. Enter **admin** for the user name and **password** for the password.

Frequently Asked Questions

You can find more information about your product in the user manual, which is available at http://support.netgear.com.

The web browser setup guide keeps asking me for my network password (passphrase) or security key, and I am sure I have entered the correct password. What can I do?

The extender is probably placed at the borderline of the range covered by the router or access point. For more information, see "Place the Extender and Apply Power" on page 5.

If you are using WEP security, make sure that you are typing the network password in the correct field.

Will the extender work if I connect it to the router with an Ethernet cable?

No. The extender is designed to connect wirelessly to the router or access point.

What are the user name and password to log in to the extender?

The user name is **admin**, and the default password is **password**. Both are case-sensitive.

I am connected to NETGEAR_EXT and launched a browser. Why can't I see the web browser setup guide?

Try these troubleshooting steps:

- Make sure that your computer is set up to use DHCP (most are).
- Make sure that the Device Link LED is green and that you have a valid IP address.
- Relaunch the web browser and type **www.mywifiext.net** or **www.mywifiext.com** in the address field. Enter **admin** for the user name and **password** for the password.

How do I restore the extender to its factory default settings?

1. Use a sharp object such as a pen or paper clip to press and hold the **Factory Reset** button on the bottom of the extender for at least five seconds until the Power LED blinks amber.
2. Release the **Factory Reset** button and wait for the extender to reboot.

   The extender resets and returns to the factory default settings.

   You can now access the extender from your web browser using the factory default settings.

I enabled a wireless MAC filter (wireless access control or ACL) on my router. What should I do when installing the extender?

When the wireless device connects through the extender to your router, the MAC address of the wireless device shown on the router is translated to another MAC address. If your router's MAC filter is enabled, the wireless device connects to the extender but cannot get an IP address from the extender and cannot access the Internet.

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

1. Disable the MAC filter on your router.
2. Power on the extender and connect all of your wireless devices to the extender network.
3. Make sure that the Router Link LED remains lit.
4. Launch a web browser and in the address field, enter **www.mywifiext.net** or **www.mywifiext.com**.

   A login screen displays.
5. Enter **admin** for the user name and **password** for the password.
6. Select **Attached Devices**.

   The Attached Devices screen displays the MAC addresses for computers and devices that are connected to the extender network.
7. Add any MAC addresses that begin with 02:0F:B5 to your router's MAC filter table.

Technical Support

Thank you for purchasing this NETGEAR product. After installing your device, locate the serial number on the label of your product and use it to register your product at *https://my.netgear.com*. You must register your product before you can use NETGEAR telephone support. NETGEAR recommends registering your product through the NETGEAR website.

For product updates and web support, visit *http://support.netgear.com.*

NETGEAR recommends that you use only the official NETGEAR support resources. You can get the user manual online at *http://downloadcenter.netgear.com* or through a link in the product's user interface.

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Compliance

For the current EU Declaration of Conformity, visit
http://support.netgear.com/app/answers/detail/a_id/11621/.

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

See the regulatory compliance document before connecting the power supply.

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