

# Installation

## N300 WiFi Range Extender

Model WN3000RPv3



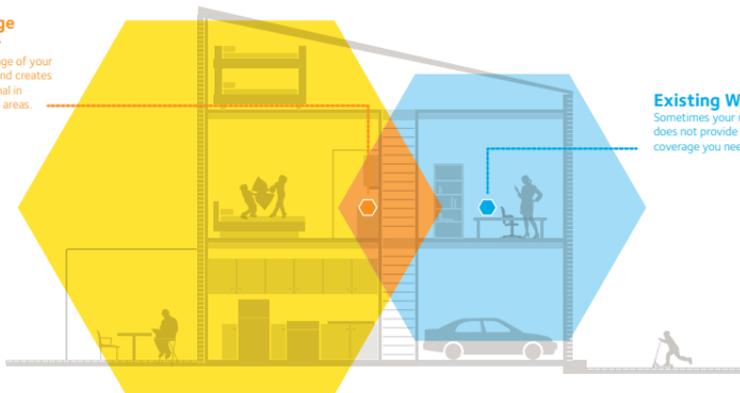
**NETGEAR®**

# 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.

## WiFi Range Extender

Boosts the range of your existing WiFi and creates a stronger signal in hard-to-reach areas.



## Existing WiFi

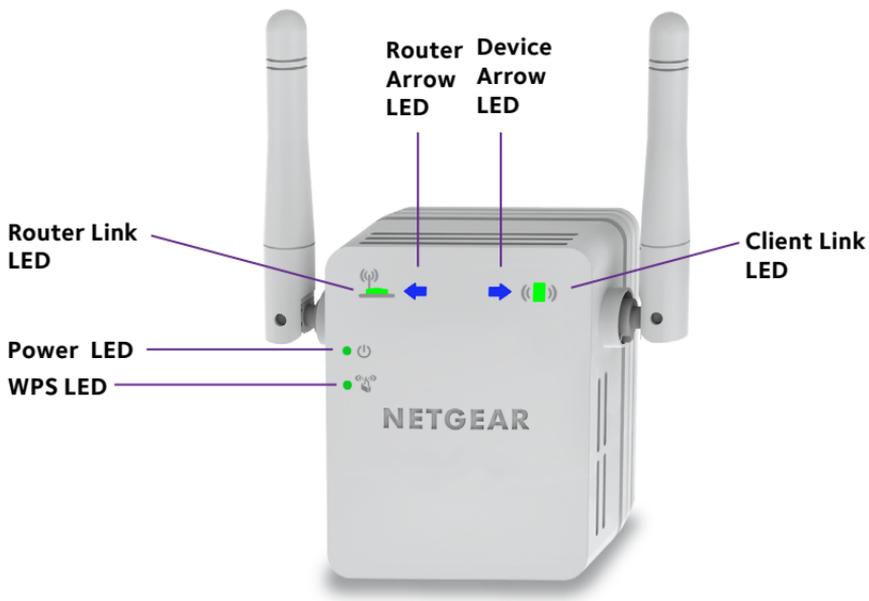
Sometimes your router does not provide the WiFi coverage you need.

You can also connect the extender to your router or gateway with an Ethernet cable and use the extender as an access point. See [Install the Extender as an Access Point](#) on page 12.

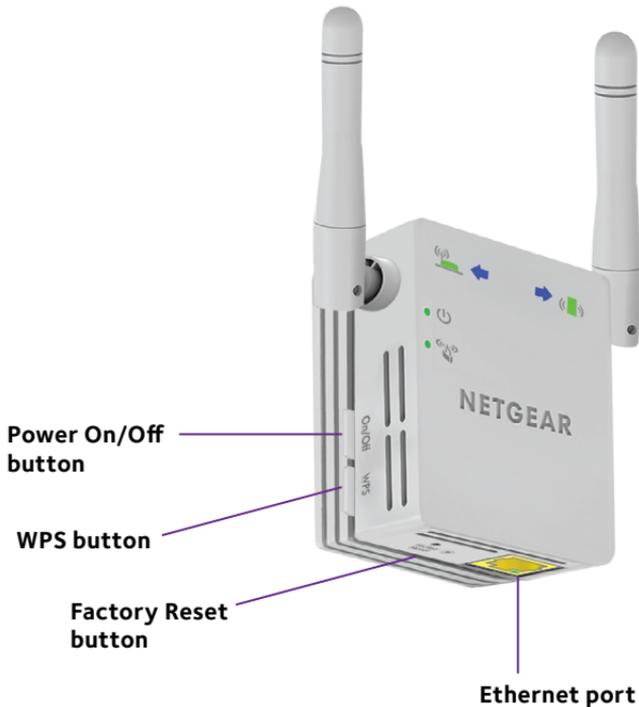
# Meet Your Extender

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

## Front Panel



## Side and Bottom Panels



## LED Descriptions

Router Link LED



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.

Client Link LED



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



**Solid amber.** The extender is booting.

**Solid green.** The extender is powered on.

**Off.** The extender is powered off.

WPS LED



**Solid green.** WiFi security is enabled (WPA or WPA2).

**Blinking green.** A WPS connection is in progress.

**Off.** WiFi security is not enabled.

**Note:** If the Router Arrow LED  or Client Arrow LED  blinks, see [Find the Best Location](#) on page 10. If no arrow LEDs light, the extender is in a good location.

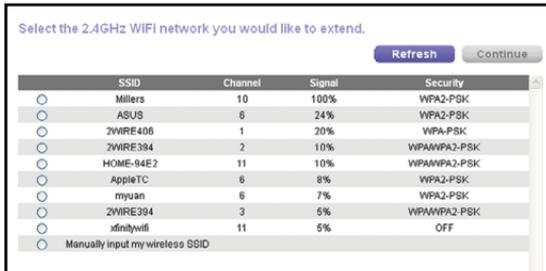
## Install the WiFi Extender

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.
3. 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 Client Link LED () lights.
4. 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.mywifext.net** in the address field. Enter **admin** for the user name and **password** for the password.  
The NETGEAR genie screen displays.



5. Select the **WiFi Range Extender (Wireless)** radio button and click the **Continue** button.

The extender searches for WiFi networks in your area and displays a list.

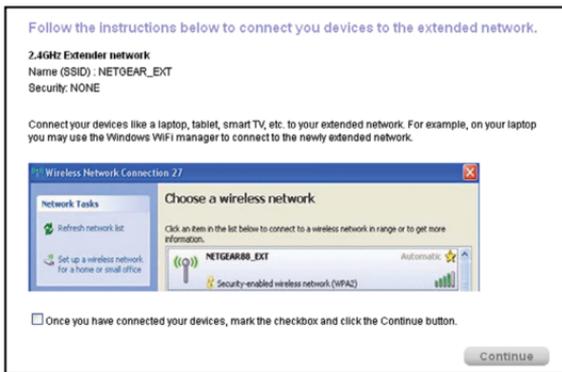


6. Select a WiFi network to extend and click the **Continue** button.

- When prompted, type the network password (also called passphrase or security key) in the **Password** field, and click the **Continue** button.
- 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.

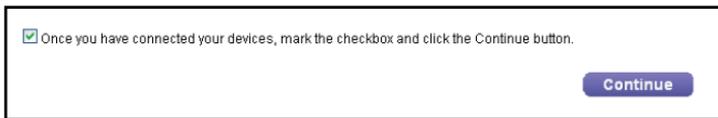
The settings are applied and the following screen displays.



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

- 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.

10. If the screen is still displayed on your computer or device, select the following check box and click the **Continue** button.



A message displays confirming that the extender has connected to the WiFi network.

11. Click the **Finish** button.
12. 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.

13. Plug the extender into an electrical outlet.

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

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

## Find the Best Location

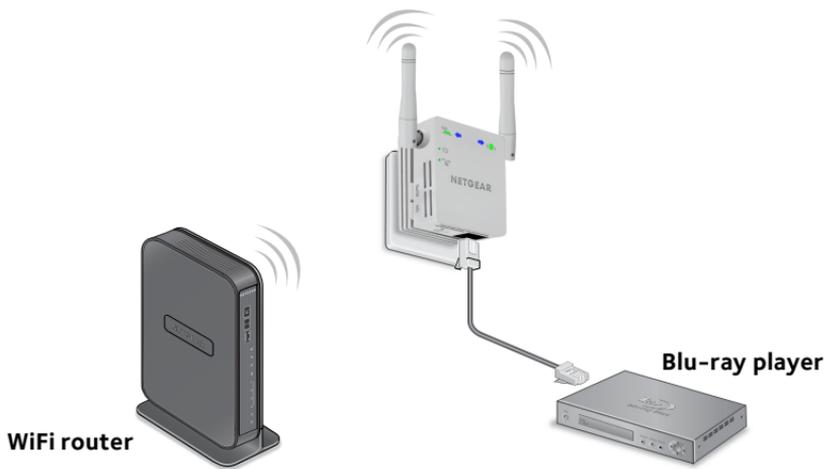
If the WiFi signal is weak, the first time you join the extender network, an arrow LED blinks for two minutes. If this happens, adjust the position of the extender.

- If the Router arrow  blinks, move the extender closer to the router.
- If the Client arrow  blinks, move the computer or mobile device closer to the extender.

If no arrow LEDs are lit, the extender is in a good location.

## 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 6.

2. Connect the extender to an existing WiFi network.  
For more information, see [Connect to an Existing WiFi Network](#) on page 6.
3. Plug the Ethernet cable from an Ethernet-enabled device in to the Ethernet port on the extender.

## Install the Extender as an Access Point

You can use the extender as a WiFi access point, which creates a new WiFi hotspot within your local network.

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.
3. 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 Client Link LED () lights.

4. 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.mywifext.net** in the address field. Enter **admin** for the user name and **password** for the password.

The NETGEAR genie screen displays.



5. Select the **Access Point (Wired)** radio button.
6. Use an Ethernet cable to connect the extender to the router Ethernet LAN port or the remote Ethernet LAN jack with LAN access.  
The extender joins the LAN and creates a WiFi hotspot.
7. Follow the genie steps to set up WiFi security for the extender WiFi network.

## 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.mywifext.net** or **www.mywifext.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 6.

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.mywifext.net** or **www.mywifext.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 Link Rate LED remains lit.
4. Launch a web browser and in the address field, enter **www.mywifext.net** or **www.mywifext.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 address for computers and devices that are connected to the extender network.

7. Add any MAC addresses that begin with O2:0F: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.

## Trademarks

NETGEAR, the NETGEAR logo, and Connect with Innovation are trademarks and/or registered trademarks of NETGEAR, Inc. and/or its subsidiaries in the United States and/or other countries. Information is subject to change without notice. © NETGEAR, Inc. All rights reserved.

## Compliance

For the current EU Declaration of Conformity, visit [http://support.netgear.com/app/answers/detail/a\\_id/11621/](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.

**BETA DOCUMENT**

May 2014

**Netgear, Inc.**

350 East Plumeria Drive  
San Jose, CA 95134, USA