

# NETGEAR®

Connect with Innovation™

## Universal WiFi Range Extender WN3000RP Installation Guide



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DO NOT stack equipment, or place equipment in tight spaces or in drawers. Be sure your equipment is surrounded by at least 2 inches of air space.

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Phone (US & Canada only): 1-888-NETGEAR  
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See [http://support.netgear.com/app/answers/detail/a\\_id/984](http://support.netgear.com/app/answers/detail/a_id/984).

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# Hardware Features

The LEDs on the front show how the Extender is working.



**WPS.** The LED indicates a wireless connection.



**PC to Extender.** The LED is lit when the Extender is connected to a PC.



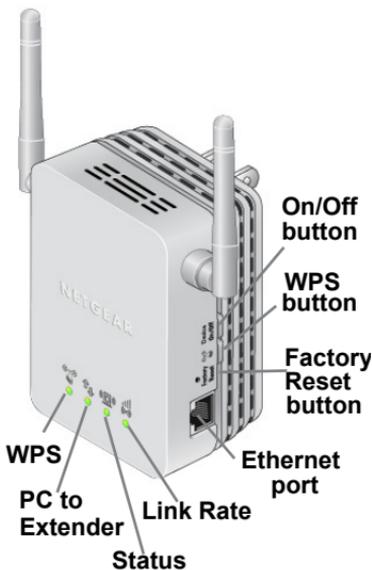
**Status.** This LED is lit when the Extender is powered on.



**Link Rate.** This LED indicates a wireless connection between the Extender and the router.

- Green is best.
- Amber is good.
- Red is poor.

**Note:** For best performance, position antennas pointing up.



The side panel has the following features:

- **On/Off button.** Turns the device on and off.
- **WPS button.** Press the **WPS** button to wirelessly connect the Extender to your router or wireless adapter.
- **Factory Reset button.** To use this button, stick a paper clip into the reset hole and hold it until the Status LED flashes.
- **Ethernet port.** You can connect a computer or other device to this port as described in the *User Manual*.

# Getting Started

The WiFi Range Extender extends the wireless network to include the area outside the range of your existing Wi-Fi network. Follow these steps to correctly set up the Extender.

## Place the Extender and Apply Power

1. Place the Extender an equal distance between your router and the wireless device located outside the range of your router.



**Tip:** If you have to use a different location, move the Extender closer to the device, but still within the wireless range of the router.

2. Plug the Extender into an electrical outlet, and wait 1 minute until the Extender starts. The Status LED  turns green.

# Connecting the Extender to an Existing Wi-Fi Network

To extend the range of your Wi-Fi network, you will need to connect the Extender to your existing Wi-Fi network. You have two options to connect the Extender to your network.

## Option 1: Connecting with WPS (Wi-Fi Protected Setup)

WPS lets you easily join a secure Wi-Fi network without typing the network name and password. The WPS button is a physical button on the Wi-Fi router, gateway, or access point.

If your router supports WPS (Wi-Fi Protected Setup ) , NETGEAR recommends that you use Option 1; otherwise, go to Option 2.

**Tip:** WPS does not support WEP network security.  
If you are using WEP security, use Option 2 to connect.

## Option 2: Connecting without WPS, using web browser setup guide

The web browser setup guide walks you through the necessary steps to connect your Extender to an existing Wi-Fi network.

## Option 1: Connecting with WPS (Wi-Fi Protected Setup)

1. Press the **WPS** button  on the Extender.
2. Within 2 minutes, press the **WPS** button  on your wireless router, gateway, or access point.

At this point, the Extender should be connected to your existing Wi-Fi network, and the Link Rate LED  on your Extender lights up.

3. The Extender's wireless network name (SSID) changes to your existing Wi-Fi network name, with **\_EXT** at the end of the name.

For example:

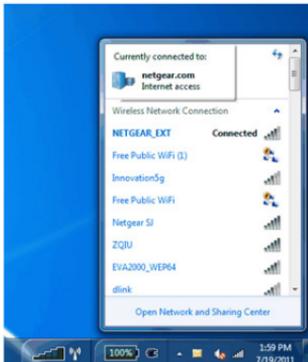
Existing Wi-Fi network name:      MyNetworkName

New Extender network name:      MyNetworkName\_EXT

4. To connect additional Wi-Fi devices to your Extender network, use the same network security key (passphrase) as is set on your existing wireless network/wireless router.

## Option 2: Connecting with web browser setup guide

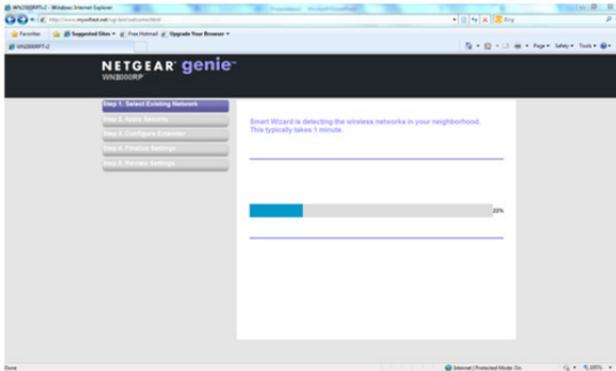
1. Once the Extender is powered on and the Status LED  is green, use a wireless network manager on a PC to find and connect to **NETGEAR\_EXT** (SSID) wireless network.



**Tip:** You can use any wireless network manager utility on a PC or tablet to find and connect to the Extender wireless network.

After the connection with the PC is established, the PC to Extender LED  turns green. Next, you need to connect the Extender to your existing Wi-Fi network.

2. Open a web browser window from the same PC, and the browser should take you directly to the on-screen setup guide.



**Tip:** You can always access the Extender settings again by typing **www.mywifiext.net** in your browser URL bar.

3. The web browser setup guide walks you through the following steps:
  - Selecting the Wi-Fi network you would like to extend.
  - Entering the security passphrase for the existing network.
  - Choosing the name for your new Extender network.
  - Connecting your wireless devices to your new Extender network.
4. If you want to make changes after using the web browser setup guide or you wish to run the setup guide again, use your browser to go to **www.mywifiext.net**. If prompted, log in as **admin** with **password** as the password.

# Extender Performance

The Link Rate LED  indicates performance.

-  The best performance is delivered when the Link Rate LED is green.
-  A workable performance is delivered when the Link Rate LED is amber.
-  A red Link Rate LED indicates a poor connection or no connection.
-  If the Link Rate LED is off, there is no connection between the Extender and the router.

**Tip:** Make sure your PC to Extender LED is green before you check the Link Rate LED for performance.

## To improve the Extender performance:

1. Move the Extender closer to the router or to a different location with a better line of sight.
2. As you move the Extender, check the Link Rate and the PC to Extender connection LEDs on the front panel until you find a good location.

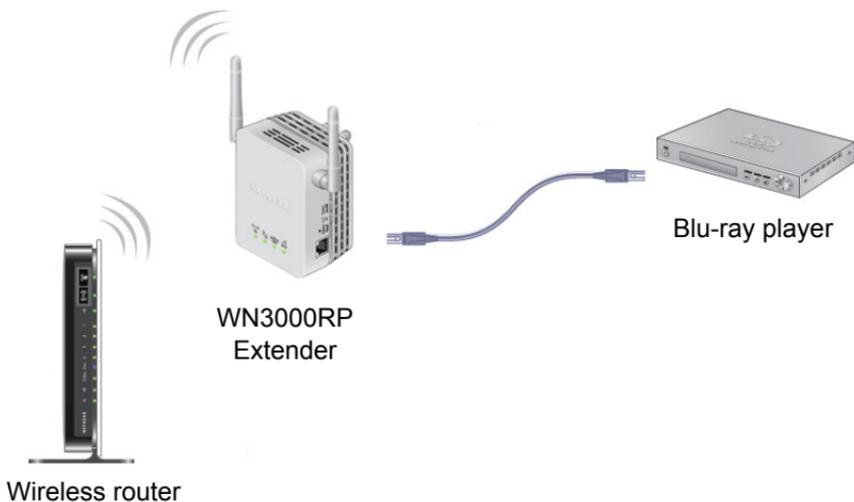
## When to Use the Extender Wireless Network

NETGEAR recommends that you connect to the Extender wireless network only when a PC or wireless device is in a “dead zone” where the network connection to your existing router is very poor or nonexistent. This is because data traffic routed through the Extender wireless network is slower than traffic directly from the original wireless router network.

If you cannot connect from your wireless device to the Extender, move the Extender to a different location halfway between the device and the router. If, after you try several locations, the device cannot connect to the Extender, move the Extender closer to the device.

# 1-Port Wi-Fi Adapter

Once the Extender is connected to your existing Wi-Fi network, you can use the Ethernet port on the Extender to connect a device wirelessly to your network. Simply plug the Ethernet cable from any Ethernet-enabled device (such as a connected TV, Blu-ray player, or gaming console) to the Ethernet port of the Extender, and enjoy wireless connectivity on the connected device.



## Wireless SSIDs and Passphrases

Use the space below to record your new Extender network name (SSID) and Extender security settings, in case you need to add additional wireless devices to your Extender in the future.

Enter your wireless information here:

Router Network Name (SSID) \_\_\_\_\_

Router Security Passphrase \_\_\_\_\_

Extender Network Name (SSID) \_\_\_\_\_

Extender Security Passphrase \_\_\_\_\_

# Frequently Asked Questions

You can find more information about your product in the *User Manual* available at <http://support.netgear.com>.

- 1. The Smart Wizard keeps asking me for my passphrase, and I am sure I have entered the correct passphrase. What can I do?**

It is very likely that the Extender is placed at the borderline of the range covered by the router. Follow the instructions in the previous section to resolve this. If you are using WEP security, make sure that you are typing the wireless key in the correct field.

- 2. I connected to NETGEAR\_EXT and launched a browser. Why can't I see the Smart Wizard?**

First, make sure your computer is set up to use DHCP (most are). Second, make sure the PC to Extender status LED is green and you have a valid IP address. Finally, re-launch the browser and enter **www.mywifiext.net**.

- 3. 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.

- 4. 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

## Compliance

### Declarations of Conformity

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