

# NETGEAR®

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## 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 in. of air space.

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Phone (US & Canada only): 1-888-NETGEAR  
Phone (Other Countries):  
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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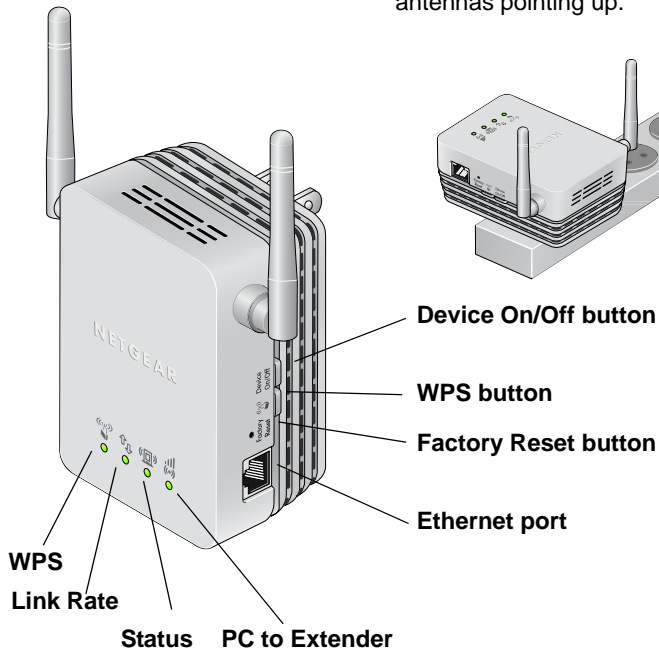
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# Hardware Features


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



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

-  **WPS.** This LED indicates a WPS wireless connection.
  - **Solid green.** There is wireless security (WPA or WPA2).
  - **Blinking green.** A WPS connection is in progress.
-  **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.

The side panel has the following features:

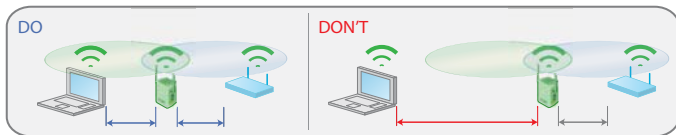
- **Ethernet port.** You can use this for a wired connection to a computer or other device as described in the *User Manual*.
- **Factory Reset button.** To use this button, stick a paper clip into the reset hole and hold it until the Status LED flashes.
-  **WPS button.** Press the WPS button to wirelessly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

# Getting Started

When the Extender has been integrated into your wireless network, it extends the wireless network to include the area outside the range of your existing router.


## 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.



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


Position the Extender's antennas up as shown in the previous section, [Hardware Features](#).


2. Plug in the Extender, and wait 1 minute. The Status LED  turns green.

# Set Up Two Wireless Connections

The first wireless connection is between the Extender and your router. The second wireless connection is between your computer or wireless device and the Extender. How you set up these connections depends on whether or not your wireless equipment supports Wi-Fi Protected Setup (WPS).


## *Using WPS to Connect the Extender to Your Router*

1. First, press your router's WPS button.
2. Within 2 minutes, press and hold the Extender's WPS button until its WPS LED  on the front starts flashing.

When the Extender connects to your router, the Link Rate LED  lights up. The Extender's wireless network name (SSID) changes to your router's SSID with \_EXT at the end. The Extender uses the same wireless security settings as your router.

3. After the Extender is connected to your router, use your computer or wireless device to join the Extender's wireless network.

## Manual Connection without WPS

1. Use a computer to join the **NETGEAR\_EXT** wireless network. The PC to Extender LED  turns green.
2. Open a browser window from the same computer, and it automatically takes you to the Smart Wizard. Follow the Smart Wizard steps to connect the Extender to your home router's network.
3. Then follow the wizard steps to join the Extender network at its new name (the Smart Wizard name with **\_EXT** at the end).
4. If you want to make changes after using the Smart Wizard, use your browser to go to **www.mywifiext.net..**
5. If prompted, log in as **admin** with **password** as the password.

## Wireless SSIDs and Passphrases

Enter your wireless information here:

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

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

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

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



## 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 non-existent. 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 half-way 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.



# Extender Performance

The Link Rate LED  and PC to Extender LED  indicate performance.

- The best performance is delivered when both of these LEDs are green.
- A workable performance is delivered when the Link Rate LED is amber and the PC to Extender LED is green.
- If the Link Rate LED is red, that indicates a poor connection. If it is off, there is no connection between the Extender and the router.
- If the PC to Extender LED is off, then the PC is not connected to the Extender.

## 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 as described in the previous section *Place the Extender and Apply Power*.

## 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

For complete DoC please visit the NETGEAR EU Declarations of Conformity website at: [http://kb.netgear.com/app/answers/detail/a\\_id/11621/](http://kb.netgear.com/app/answers/detail/a_id/11621/).

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