

NETGEAR®



WN3100RP Universal Pass Through WiFi Range Extender Installation Guide



Getting Started

The WN3100RP WiFi Extender lets you extend WiFi coverage to locations outside the range of your wireless router or gateway.

- Arrow LEDs help you find the best location for the extender.
- With the extender pass-through socket, you retain the use of a socket in your electrical outlet.

The appearance of the extender varies according to country or region.

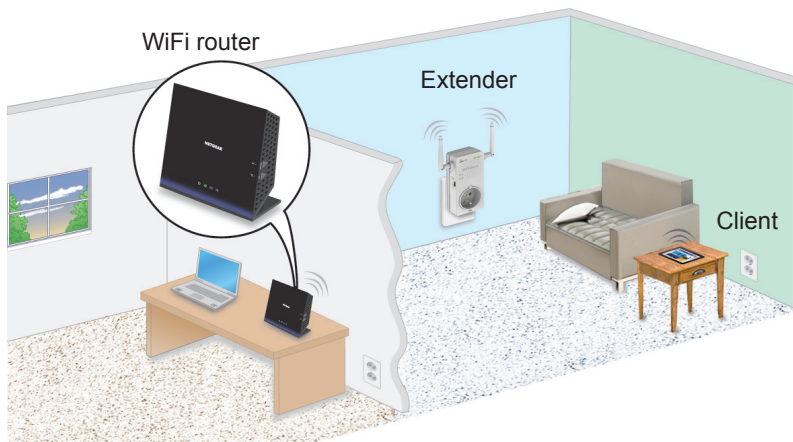


France



Germany

Find the Best Location



When you install the extender and join the extender network, the arrow LEDs guide you to the best location to plug in the extender. If no arrow is lit, the location is good.



Blinking left arrow. The extender is too far away from the router or gateway.



Blinking right arrow. The extender is too far away from your computer or wireless device.

Install the Extender

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

Place the Extender and Power It On

1. Place the extender halfway between your router and the location that has poor WiFi coverage.

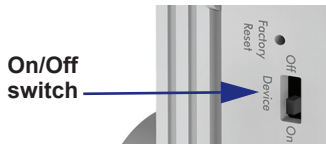


If it is not possible to place the extender at the halfway point, move the extender closer to the location with poor coverage, but still within the wireless range of the router.

2. Turn the On/Off switch on the side of the extender to the **On** position.
3. Plug the extender into a power outlet and wait 1 minute until the extender starts.



The Power LED lights green.



Connect the Extender to Your WiFi Network

Do not cable the extender to the router. The extender connects to your wireless network only with WiFi. You can use the extender's Wi-Fi Protected Setup (WPS), or the web browser method.

➤ To connect using WPS:

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



The Secure WiFi LED blinks.

2. Within 2 minutes, press the **WPS** button on your wireless router.



The Router Link LED lights.



The Secure WiFi LED lights green.

The extender network name changes. See [New Extender WiFi Network Name](#) on page 6.

➤ To connect with the web browser method:

1. On your computer or wireless device, find and join the **NETGEAR_EXT** WiFi network.

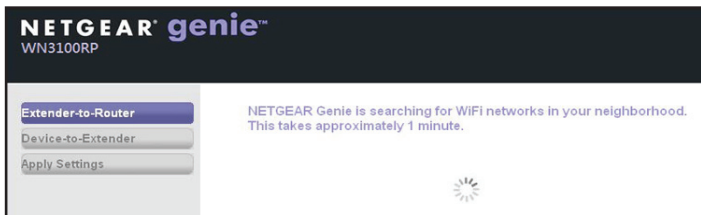


The Client Link LED lights.

2. Open a web browser.
3. When prompted, select a language from the list.



NETGEAR genie displays.



4. Follow the steps to connect the extender to the WiFi network.



When the extender connects, the Router Link LED lights.



If the network is secure, the Secure WiFi LED lights green.

New Extender WiFi Network Name

The first time the extender connects to a WiFi network, the extender WiFi network name (SSID) changes to that network name, with **_EXT** at the end. For example:

WiFi network name: MyNetworkName

Extender network name: **MyNetworkName_EXT**

If the extender does not connect to the WiFi network, move the extender to a different location with a better WiFi signal. For example, you might need to move it closer to the router or gateway.

Join the Extender WiFi Network

After you install the extender, you can join the extender WiFi network.

➤ To join the extender network:

1. Take your computer or wireless device to the location with poor WiFi coverage.
2. Find the new extender network name (MyNetworkName_EXT).
3. Select this network and enter the same WiFi password that you use for your home network.
4. Within 2 minutes, check the arrow LEDs on the extender.
 - If no arrow is lit, the location is good.
 - When the extender connects to a network and a client joins the extender network, an arrow LED blinks for 2 minutes if the WiFi signal strength is weak to or from the extender.



Blinking left arrow. The extender is too far away from the router or gateway.



Blinking right arrow. The extender is too far away from your computer or wireless device.

Note: If you are having trouble getting a good WiFi signal, try to create a better line of sight. For example, move the router up off the floor onto a table or desk, or move furniture that might be blocking the extender.

Extender Performance






The Router Link LED indicates performance between the router and the extender. If this LED is off, the extender is not connected to a WiFi network.



The Client Link LED indicates the performance between the extender and the client. If this LED is off, no computer or wireless device is connected to the extender network.

These LEDs display the following colors:

-  Green indicates the best performance.
-  Amber indicates a workable performance.
-  Red indicates a poor connection or no connection.

Change the Extender Network Settings

After installation, you can change the extender network settings if you want. For example, if you change your network name, you can log in to the extender and change its network name to match.

➤ **To log in to the extender to change its settings:**

1. Launch a web browser.
2. Enter **mywifiext.net**.
3. Enter **admin** for the user name and enter **password** for the password.

The simplest way to change the settings is to use the setup wizard.

4. Select **Setup Wizard**.

The wizard helps you through these steps:

- Select the WiFi network that you want to extend.
- Enter the WiFi password for this network.
- Name the extender network.
- Connect your wireless computer or device to the extender network.

Ethernet Port Connection

You can connect equipment such as a computer, TV, Blu-ray player, or gaming console to the Ethernet port on the extender.

**Wireless router
in a home office**



**Range extender
in the family room**



**Access the Internet
with a Blu-ray player**



Restore Factory Settings

You can use the extender Reset button to restore the factory settings.

➤ **To restore factory settings:**

1. Insert a paper clip into the **Reset** hole and hold it until the Power LED blinks amber.



2. Release the button.
All LEDs turn off for about 3 seconds.
The Power LED lights solid amber for about 30 seconds.
The Power LED   lights solid green.

Support

Thank you for selecting NETGEAR products.

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/.

NETGEAR, Inc.

350 East Plumeria Drive
San Jose, CA 95134, USA



201-17085-03

June 2013