NETGEAR®

Getting Started

Does your WiFi router have a WPS button?

Wi-Fi Protected Setup (WPS) is an easy way to connect WiFi devices. The button might look like one of these:

Yes

1. **Attach the antennas.**
   Attach the antennas to the connectors and turn them clockwise to tighten. Bend and rotate the antennas into position. Double check that the antennas are properly tightened.

2. **Turn on your extender.**
   Place the extender close to your WiFi router. Plug the extender into an electrical outlet. Press the **Power** button if necessary.

3. **Connect to your WiFi router.**
   Press the WPS button on the extender. The Link Rate LEDs and Device to Extender LED blink green.

   Within two minutes, press the **WPS** button on your WiFi router. After a few seconds, the 2.4 GHZ Link Rate LED lights green, indicating a good connection between your WiFi router and your extender. If the 2.4 GHz Link Rate LED does not light, or the LED is blinking amber, try again. If the LED still does not light, follow the instructions for No WPS button on the right.

4. **Add a WiFi band.**
   If your WiFi router supports the 5 GHz band (not all routers do), and you want to extend that band, repeat Step 2 and check that the 5 GHz Link Rate LED lights solid green to confirm the connection.

5. **Choose a location and check the signal strength.**
   Now that the extender is connected to your WiFi router, you can move it to a location that will boost your WiFi range. The location you choose must be within the range of your existing WiFi router network. The Link Rate LEDs help you choose a spot where the extender-to-router connection is optimal. See the Indicator LEDs section on the back to learn how the LEDs show the best connection. If you get no connection or a poor connection, move the extender closer to your WiFi router and try again until the 2.4 GHz or 5 GHz Link Rate LED lights green.

6. **Connect your WiFi devices.**
   Take your WiFi device to the location with poor WiFi router coverage. Find the new extender network name:
   Existing network name: MyNetworkName
   New extended network name: MyNetworkName**_2GEXT**
                                 or
                                 MyNetworkName**_5GEXT**
   Select the new network and use your WiFi router password to connect. You are now using your extended WiFi network.

No (or not sure)

1. **Attach the antennas.**
   Attach the antennas to the connectors and turn them clockwise to tighten. Bend and rotate the antennas into position. Double check that the antennas are properly tightened.

2. **Turn on your extender.**
   Place the extender close to your WiFi router. Plug the extender into an electrical outlet. Press the **Power** button if necessary.

3. **Connect to the extender.**
   On a computer, tablet, or smartphone, open the WiFi connection manager and connect to the extender network called **NETGEAR_EXT**. When you are connected to the extender, the Device to Extender LED lights solid green.

4. **Set up with NETGEAR genie.**
   Launch a web browser. You are automatically taken to a login screen. If a login screen does not display, go to **www.mywifiext.net**.

   To set up your extender, do the following:

   a.   Click the **NEW EXTENDER SETUP** button.
   b.   Complete the Extender Setup screen and click the **NEXT** button.
   c.   Click the **WiFi Range Extender** button.
   d.   Click the **Smart Setup** button.
   e.   Select a WiFi network to extend and click the **Next** button.
        If you do not want to extend both WiFi bands, clear the **2.4GHz WiFi Networks** or the **5GHz WiFi Networks** checkbox.
   f.   In the **Password** field, type the existing WiFi network password and click the **Next** button.
   g.   Set the network name (SSID) and password for your extender and click the **Next** button.
   h.   Use a WiFi network manager on the computer or WiFi device to connect to the new extended WiFi network.

5. **Choose a location and check the signal strength.**
   Now that the extender is connected to your WiFi router, you can move it to a location that will boost your WiFi range. The location you choose must be within the range of y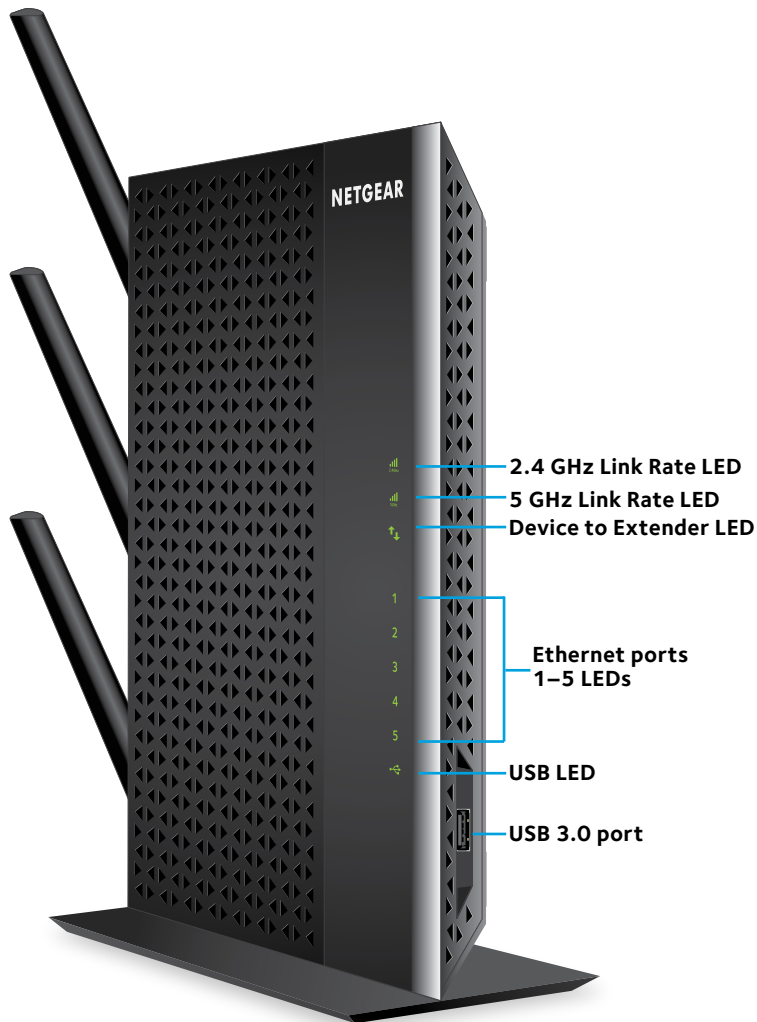our existing WiFi router network. The Link Rate LEDs help you choose a spot where the extender-to-router connection is optimal. See the Indicator LEDs section on the back to learn how the LEDs show the best connection. If you get no connection or a poor connection, move the extender closer to your WiFi router and try again until the 2.4 GHz or 5 GHz Link Rate LED lights green.
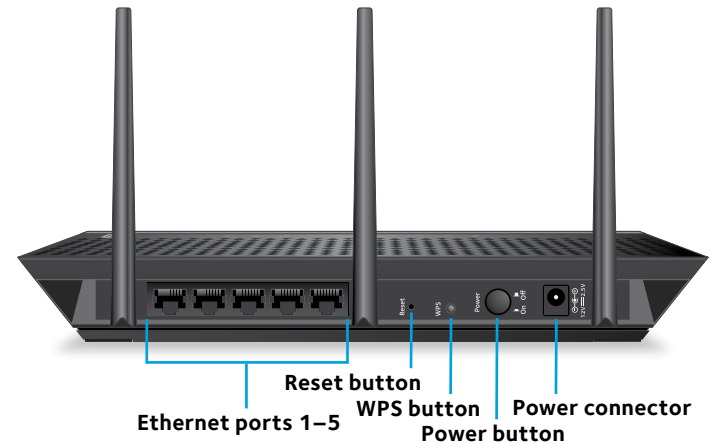
NETGEAR®

AC1900 WiFi Range Extender
Model EX7000
Quick Start Guide

Hardware

Front Panel and Side Panel

2.4 GHz Link Rate LED
5 GHz Link Rate LED
Device to Extender LED

Ethernet ports
1–5 LEDs

USB LED

USB 3.0 port

Rear Panel

Reset button
Ethernet ports 1–5
WPS button
Power button
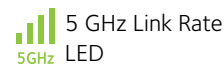Power connector

Indicator LEDs

2.4GHz	2.4 GHz Link Rate LED	This LED indicates the 2.4 GHz WiFi connection between the extender and the router. **Solid green**. Best connection **Solid amber**. Good connection **Solid red**. Poor connection **Off**. No connection
5GHz	5 GHz Link Rate LED	This LED indicates the 5 GHz WiFi connection between the extender and the router. **Solid green**. Best connection **Solid amber**. Good connection **Solid red**. Poor connection **Off**. No connection
	Device to Extender LED	**Solid green**. The extender and device are connected.
12345	Ethernet ports 1–5 LEDs	**Solid green**. The Ethernet port has detected an Ethernet link with the extender.
	USB LEDs	**Solid green**. A USB device is connected to the extender.
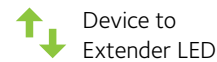
Support

After installing your extender, locate the serial number on the label 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.

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

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.

August 2014   **BETA DOCUMENT**

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that
   to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 27 cm between the radiator & your body.

Industry Canada statement:

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution :

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

(i) les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 27 cm between the radiator & your body.

Déclaration d'exposition aux radiations:
Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 27 cm de distance entre la source de rayonnement et votre corps.

This device has been designed to operate with an antenna having a maximum gain of 2 dBi. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter (IC: 4054A-14200280/ Model: EX7000) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Ce dispositif a été conçu pour fonctionner avec une antenne ayant un gain maximal de dB [x]. Une antenne à gain plus élevé est strictement interdite par les règlements d'Industrie Canada. L'impédance d'antenne requise est de 50 ohms.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peutfonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pourl'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectriqueà l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que lapuissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire àl'établissement d'une communication satisfaisante.

Le présent émetteur radio (IC: 4054A-14200280/ Model: EX7000) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Approved antenna(s) list

Type	Gain	Brand
Dipole	2dBi	Netgear
Dipole	2dBi	Netgear
Dipole	2dBi	Netgear