NETGEAR EX7300 WiFi Mesh Range Extender Instruction Manual

Contents

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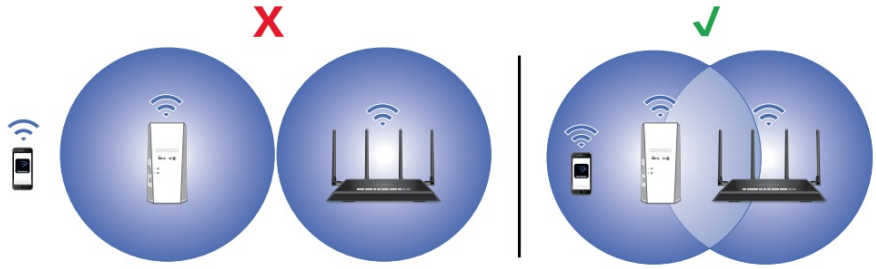
NETGEAR EX7300 WiFi Mesh Range Extender

Getting Started

1. For initial setup, place your extender in the same room as your router.



   You can move your extender to a new location after the setup.
2. Plug the extender into an electrical outlet.
3. Wait for Power LED to light solid green.
4. If the Power LED does not light, press the On/Off button.
5. Connect your extender to your existing WiFi network using one of these methods:
   - **Connect with the Nighthawk app.** The Nighthawk app guides you through the installation. For more information, see Connect with the Nighthawk app.
   - **Connect with WPS**. Wi-Fi Protected Setup (WPS) lets you join a secure WiFi network without typing the network name and password. Your router must support WPS to use this method. For more information, see Connect with WPS.

     WPS does not support WEP network security or a hidden WiFi network. If your router's WiFi network uses WEP security or uses a hidden WiFi network, follow the instructions in Connect with the Nighthawk app.

Connect with the Nighthawk app

1. Download the Nighthawk app on your mobile device.

   For more information about the Nighthawk app, visit **Nighthawk-app.com**.
2. On your mobile device, open the WiFi connection manager, then locate and connect to the extender network called NETGEAR_EXT.
3. Launch the Nighthawk app.
4. Follow the prompts to connect your extender to your router's WiFi network.
5. After the setup is complete, move your extender to a new location. For more information, see Find a good spot for your extender.
6. Connect your Wi-Fi-enabled devices to the extended network. For more information, see Connect your device to the extended network.

Connect with WPS

1. Press the **WPS** button on the extender for less than five seconds. The WPS LED blinks.
   Note: If you press the **WPS** button for more than five seconds, the extender turns off.
2. Within two minutes, press the **WPS** button on your router. When the extender connects to the router, the Router Links LED lights. If the Router Link LED lights are green, the connection between your router and extender is good. If the Router Link LED lights are amber or red, move the extender closer to the router and try again.
   Note: If your router supports the 5 GHz bands and your extender didn't connect to that band, repeat the WPS process.
3. Move your extender to a new location. For more information, see Find a good spot for your extender.
4. Connect your Wi-Fi-enabled devices to the extended network. For more information, see Connect your device to the extended network.

Find a Good Spot For Your Extender

1. Unplug your extender and move it to a new location.
   We recommend that the new location be about halfway between your router and the area with a poor WiFi signal. The extender must be within the range of your router WiFi network.
2. Power on your extender.
3. Use the Router Link LED to find a spot where the extender-to-router connection is optimal. For more information about the Router Link LED, see LED descriptions on the other side of this quick start guide.

Connect Your Device to the Extended Network

After the setup, the One WiFi Name feature is enabled, which allows your extender to use the same WiFi network settings as your router. If you used the Nighthawk app to connect your extender, the following table lists examples of what your extended WiFi names might look like:

Dual-band router WiFi names		Extended WiFi names
2.4 GHz	MyWiFiExample	MyWiFiExample
5 GHz	MyWiFiExample-5G	MyWiFiExample-5G

If you used **WPS** to connect your extender, the extended WiFi network name is based on the first WiFi network that it connected to—2.4 or 5 GHz. The following table lists examples of what your extended WiFi name might look like:

Dual-band router WiFi names		Extender connects to this network	Extended WiFi name for 2.4 GHz and 5 GHz
2.4 GHz	MyWiFiExample	MyWiFiExample	MyWiFiExample
5 GHz	MyWiFiExample-5G		MyWiFiExample
2.4 GHz	MyWiFiExample		MyWiFiExample-5G
5 GHz	MyWiFiExample-5G	MyWiFiExample-5G	MyWiFiExample-5G

LED Descriptions

LED	Description
Router Link	This LED indicates the WiFi connection between the extender and the router. • **Solid green**. Best connection. • **Solid amber**. Good connection. • **Solid red**. Poor connection. • **Off**. No connection.
Client Link	This LED indicates the WiFi connection between your computer or mobile device and the extender: • **Solid green**. Best connection. • **Solid amber**. Good connection. • **Solid red**. Poor connection. • **Off**. No connection.
Power	• **Blinking green**. The extender is booting. • **Solid green**. The extender is powered on. • **Off**. The extender is powered off.
WPS	• **Blinking green**. A WPS connection is being established. • **Solid green**. The extended network is enabled with WiFi security (either WPA or WPA2). • **Off**. The extended network is enabled without WiFi security.

LED	Description
Client Arrow	• **Blinking**. Move the WiFi-enabled computer or mobile device closer to the extender. • **Off**. Your computer or moble device is within range of the extender.
Router Arrow	• **Blinking**. Move the extender closer to the router. • **Off**. The extender is within range of your router.

Configure a router with advanced MAC settings to work with your extender

- If you enabled a WiFi MAC filter, WiFi access control, or access control list (ACL) on your router, when a WiFi device connects through the extender to your router, the MAC address of the WiFi device shown on the router is translated to another MAC address.
- If your router's MAC filter, WiFi access control, or ACL is enabled, the WiFi device connects to the extender but cannot get an IP address from the extender and cannot access the Internet.
- To allow the WiFi device to receive an IP address from the extender and access the Internet, you must provide the translated MAC address to the router.

To add a translated MAC address to your router and reserve an IP address for your extender:

1. Log in to your router and disable the MAC filter, WiFi access control, or ACL. For more information about how to disable your router's MAC filter, WiFi access control, or ACL, see your router's documentation.
2. Power on the extender and connect all of your WiFi devices to the extender.
3. Make sure that the Router Link LED remains lit.
4. Log in to your extender:

   a. Launch a web browser from a computer or mobile device that is connected to your extender network.

   b. Log in to your extender:

   - If you did not enable the One WiFi Name feature, enter **www.mywifiext.net** in the address field of the browser.
   - If you enabled the One WiFi Name feature, enter one of the following URLs:
     - Windows-based computer.

       http://mywifiext.local/ or **http://mywifiext/**
     - - Mac computers and iOS devices.

       http://mywifiext.local/
     - Android devices.

       http://<extenders IP address>/ (for example, **http://192.168.1.3/**)

       A login page displays.

       c. Enter your admin username and password and click the login button. The Status page displays.
5. Select **Settings > Connected Devices.**

   The Connected Devices page displays the MAC addresses and virtual MAC addresses for computers and WiFi devices that are connected to the extender network.
6. On the router, add all of the extender's virtual MAC addresses and all of the virtual MAC addresses of the devices connected to the extender to your router's MAC filter table.

   Note: To reserve a specific IP address for the extender, you must specify the first virtual MAC address that displays for your extender's 2.4 GHz or 5 GHz network in your router's IP reservation table. (The first virtual MAC address that displays for your extender's 2.4 GHz and 5 GHz networks is the same.)
7. Enable the router's MAC filter, WiFi access control, or ACL.

Support

Thank you for purchasing this NETGEAR product. You can visit **www.netgear.com/support** to register your product, get help, access the latest downloads and user manuals, and join our community. We recommend that you use only official NETGEAR support resources.
(If this product is sold in Canada, you can access this document in Canadian French at **https://downloadcenter.netgear.com/other/**.)
For regulatory compliance information including the EU Declaration of Conformity, visit **https://www.netgear.com/about/regulatory/**. See the regulatory compliance document before connecting the power supply.
NETGEAR INTL LTD Building 3, University Technology Centre Curraheen Road, Cork, Ireland

For Check Here Further Login and Reset Instructions

FAQs

Why do I see a red light on my extender?

If you see a red light on your extender, the extender is not connected to your WiFi router. Make sure that the extender is connected to your WiFi router and the Power LED is solid green. If the Power LED is still not solid green, press the On/Off button on the back of the extender.

How do I know if my extender is working?

After you connect to your extender's network, open a web browser and go to any website. If you can access the Internet through your extender, then your extender is working correctly.

What are the default login credentials for my extender?

The default login credentials for your extender are located on a label at the bottom of your router. For more information, see Find default login credentials for my Nighthawk router or Range Extender.

How far can the mesh extender reach?

Mesh Network Coverage: Mesh networks are a better fit for larger offices because they provide full-office coverage and can typically provide a signal covering 2,000 to 5,500 square feet

Do mesh extenders connect to each other?

They must all be wired or wirelessly connected to the router, never to each other. In addition, keep in mind that each extender will create its own network. To avoid network interferences, each network must have a different SSID.

Do mesh extenders reduce speed?

I know that the question on whether using a WiFi extender slows down the Internet speed pops up quite a lot and, due to the weird phrasing, the answer is no, it does not have any impact on your Internet speed.

Does a Mesh Network Replace a Router?

Yes, a mesh network's purpose is to replace the need for a router. The only time you may need to use your existing router is if it also works as a modem for providing you with an internet connection.

Where is the best location for a mesh extender?

The ideal location to place the Extender is halfway between your wireless router and your computer, but the extender MUST be within the wireless range of the wireless 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.

Where should you put your mesh router?

Mesh routers and other Wi-Fi devices perform their best when they're located out in the open, and up off of the ground. Like with most wireless transmissions, it doesn't take much to disrupt your Wi-Fi signal and slow it down.

Does the mesh extender need an Ethernet cable?

The process of setting up your Mesh Extender is referred to as pairing since you'll be connecting (or pairing) it to your router. You can do this either wirelessly, which we recommend, or using an ethernet cable to connect to the router.

Video - Product Overview

Download This PDF Link: https://manuals.plus/wp-content/uploads/2023/03/NETGEAR-WiFi-Mesh-Range-Extender-video.mp4