NETGEAR EX2700-100PAS

NETGEAR Wi-Fi Range Extender EX2700

User Manual

Product Overview

The NETGEAR EX2700 N300 Wi-Fi Range Extender is designed to eliminate Wi-Fi dead zones and extend the coverage of your existing wireless network. This compact, wall-plug design device boosts your Wi-Fi signal for mobile devices and allows connection of wired devices like Smart TVs or game consoles via its Ethernet port. It delivers Wi-Fi speeds up to 300Mbps and features external antennas for improved coverage and speed.

The extender functions as a bridge between your existing Wi-Fi router and devices outside the router's direct range. It connects to your working Wi-Fi network as a client and then acts as an access point for other Wi-Fi devices, ensuring connectivity in areas with poor or no signal from the main router.

Key Features:

- **Extended Wireless Coverage:** Adds Wi-Fi range coverage up to 600 sq ft, connecting up to 10 devices including laptops, smartphones, speakers, IP cameras, tablets, and IoT devices.
- **N300 Wi-Fi Speed:** Provides up to 300Mbps performance, suitable for indoor use.
- **Universal Compatibility:** Works seamlessly with any standard wireless router, gateway, or cable modem with Wi-Fi.
- **Wired Ethernet Port:** Includes one 10/100M port for connecting wired devices like game consoles or streaming players for maximum speed.
- **Secure Connectivity:** Supports WEP and WPA/WPA2 wireless security protocols to protect your network.
- **Simple Setup:** Features a WPS button for quick, one-touch connection to your router. The NETGEAR Wi-Fi Analyzer app can assist with optimal placement.



Figure 1: The NETGEAR EX2700 Wi-Fi Range Extender plugged into a standard wall outlet, showing its compact design and indicator lights.

Package Contents

Verify that your package contains the following items:

- NETGEAR N300 Wi-Fi Range Extender (Model EX2700)
- Quick Start Guide

If any items are missing or damaged, please contact NETGEAR customer support.

Setup

The NETGEAR EX2700 offers two primary methods for setup: using the Wi-Fi Protected Setup (WPS) button or through a web browser.

Method 1: WPS (Wi-Fi Protected Setup)

1. **Power On:** Plug the extender into an electrical outlet. Wait for the Power LED to turn solid green.

2. **Locate WPS Button:** On the extender, locate the WPS button. On your Wi-Fi router, also locate its WPS button.
3. **Press WPS:** Within two minutes, press the WPS button on the extender, then immediately press the WPS button on your Wi-Fi router.
4. **Connect:** The WPS LED on the extender should blink and then turn solid green, indicating a successful connection to your router. The Router LED should also turn solid green.
5. **Relocate (Optional):** Once connected, you can unplug the extender and move it to a new location within your router's Wi-Fi range but close enough to the "dead zone" you wish to cover. Ensure the Router LED remains solid green after relocation.



Figure 2: The WPS button on the side of the NETGEAR EX2700, used for one-touch setup with compatible routers.

Method 2: Web Browser Setup (Manual Setup)

1. **Power On:** Plug the extender into an electrical outlet. Wait for the Power LED to turn solid green.
2. **Connect to Extender:** On a computer or mobile device, connect to the extender's Wi-Fi network. The network name (SSID) will typically be "NETGEAR_EXT" or "NETGEAR_EXT_2G".
3. **Open Browser:** Open a web browser and type http://www.mywifiext.net or http://192.168.1.250 into the address bar.
4. **Follow Prompts:** Follow the on-screen instructions to create an account, select your existing Wi-Fi network, and enter its password.
5. **Configure Extender Network:** You will be prompted to create a new network name (SSID) for your extended network. It is recommended to use a different name to distinguish it from your main router's network.
6. **Apply Settings:** Once settings are applied, the extender will restart. The Router LED should turn solid green.
7. **Connect Devices:** Connect your Wi-Fi devices to the newly created extended network.



Figure 3: The EX2700 is universally compatible and works with any standard Wi-Fi router, gateway, or cable modem.

Operating Your Extender

Once set up, the NETGEAR EX2700 extends your Wi-Fi coverage. For optimal performance, consider the following:

Understanding Indicator Lights:

- **Router LED:** Indicates the connection status to your main Wi-Fi router. Solid green means a good connection.
- **Power LED:** Indicates the power status of the extender. Solid green means it's powered on.
- **WPS LED:** Indicates the status of the WPS connection. Solid green means WPS setup was successful.
- **Device LED:** Indicates if devices are connected to the extender's network. Solid green means devices are connected.

Optimal Placement:

The placement of your extender significantly impacts its performance. Use the NETGEAR Wi-Fi Analyzer app (available for mobile devices) to find the best location. Ideally, the extender should be placed halfway between your router and the area where you experience poor Wi-Fi signal. Ensure the Router LED remains solid green after placement, indicating a strong connection to your main router.

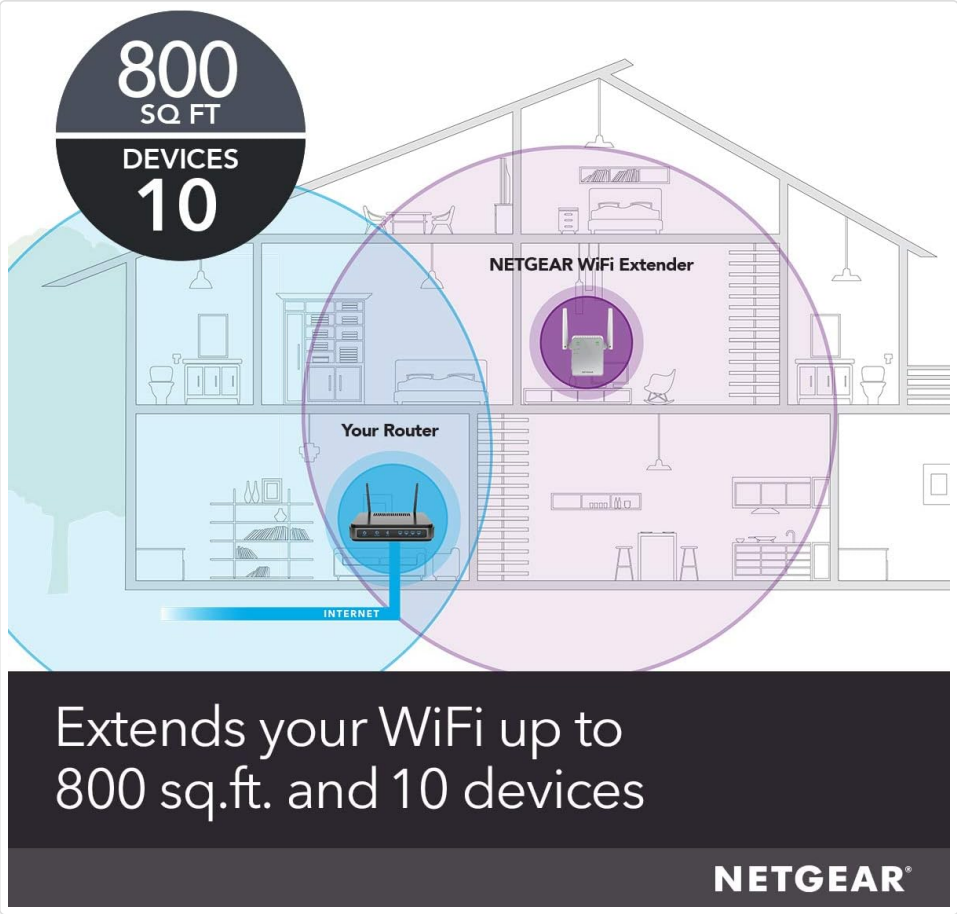


Figure 4: Illustration of how the NETGEAR Wi-Fi Extender expands Wi-Fi coverage, reaching up to 800 sq ft and supporting up to 10 devices.



Figure 5: The discrete wall-plug design of the EX2700 allows it to blend into your home environment without being obtrusive.

Using the Ethernet Port:

The EX2700 includes one 10/100M Ethernet port. You can connect a wired device, such as a smart TV, gaming console, or desktop computer, directly to this port for a stable and fast connection.

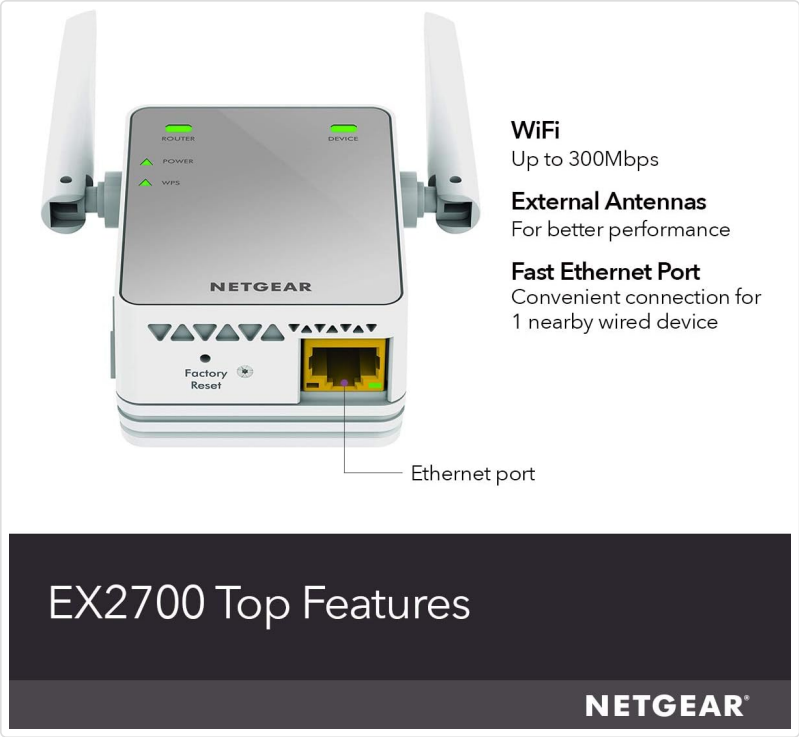


Figure 6: The bottom of the EX2700 features a Fast Ethernet Port for wired connections and a Factory Reset button.

Maintenance

Firmware Updates:

Periodically check the NETGEAR support website for firmware updates for your EX2700. Firmware updates can improve performance, add new features, and address security vulnerabilities. You can usually update the firmware through the extender's web interface (mywifiext.net).

Cleaning:

To clean the extender, unplug it from the power outlet. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosol sprays.

Factory Reset:

If you encounter persistent issues or wish to clear all settings, you can perform a factory reset. With the extender powered on, use a paperclip or similar pointed object to press and hold the Factory Reset button (located near the Ethernet port) for about 5-10 seconds until the LEDs blink. The extender will restart with default settings.

Troubleshooting

If you experience issues with your NETGEAR EX2700, try the following troubleshooting steps:

- **No Internet Connection:**
  - Ensure your main router has an active internet connection.
  - Check the Router LED on the extender. If it's not solid green, the extender is not properly connected to your router. Try repositioning the extender closer to the router or re-running the setup process.
  - Verify that you entered the correct Wi-Fi password for your main router during setup.
- **Slow Speed:**

- Relocate the extender to a position that is roughly halfway between your router and the "dead zone." Avoid placing it near large metal objects, concrete walls, or other electronic devices that might cause interference.
- Ensure your devices are connecting to the extender's network (the one you created during setup, e.g., "YourNetwork_EXT").
- Check for firmware updates for both your extender and your main router.

- **WPS Setup Fails:**
  - Ensure your router supports WPS.
  - Try pressing the WPS buttons on both devices within the two-minute window.
  - If WPS continues to fail, use the web browser setup method.
- **Cannot Access mywifiext.net:**
  - Ensure your device is connected to the extender's Wi-Fi network.
  - Try clearing your browser's cache and cookies, or use a different browser.
  - Restart your computer/device and the extender.

For more detailed troubleshooting, refer to the NETGEAR support website or contact their customer service.

Technical Specifications

Feature	Specification
Model Number	EX2700-100PAS
Wireless Standard	802.11n
Wireless Speed	Up to 300 Mbps
Frequency Band	2.4 GHz (Single-Band)
Ethernet Port	1 x 10/100 Mbps Fast Ethernet Port (RJ45)
Antennas	External Antennas
Security	WPA/WPA2-PSK, WEP
Dimensions (L x W x H)	6.6 x 5.33 x 3.3 cm (2.6 x 2.1 x 1.3 inches)
Weight	230 g (0.51 lbs)
Power Input	100-240V~, 0.1A, 50-60Hz
Operating System Compatibility	PC, Mac



Figure 7: Physical dimensions of the NETGEAR EX2700 Wi-Fi Range Extender.



Figure 8: Product label on the back of the EX2700, displaying important information such as model number, serial number, and MAC address.

Warranty and Support

NETGEAR products come with a limited hardware warranty. The specific terms and duration of the warranty may vary by region and product. Please refer to the warranty information included with your product or visit the official NETGEAR website for details.

For technical support, product registration, and access to the latest drivers and firmware, please visit the official NETGEAR support website:

www.netgear.com/support/

When contacting support, please have your product model number (EX2700) and serial number ready. The serial number can be found on the product label (refer to Figure 8).

© 2024 NETGEAR. All rights reserved. NETGEAR and the NETGEAR Logo are trademarks of NETGEAR, Inc.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question