

NETGEAR EX2800

NETGEAR WiFi Range Extender EX2800 User Manual

Model: EX2800

Overview Setup Operation Introduction Maintenance What's in the Box Troubleshooting Product Specifications Warranty & Support

1. INTRODUCTION

The NETGEAR WiFi Range Extender EX2800 is designed to expand the coverage of your existing WiFi network, eliminating dead zones and providing reliable connectivity for up to 15 devices across an area of up to 600 sq. ft. This AC750 Dual Band Wireless Signal Booster and Repeater offers speeds up to 750Mbps, ensuring a stable and fast internet experience throughout your home. Its compact wall-plug design allows for discreet and easy installation.

2. WHAT'S IN THE BOX

Upon opening your NETGEAR WiFi Range Extender EX2800 package, you should find the following items:

- WiFi Mesh Extender (EX2800)
- Quick start guide

3. PRODUCT OVERVIEW

The NETGEAR EX2800 is a compact and efficient device designed to seamlessly integrate into your home network. It features a wall-plug design for convenience and internal antennas for enhanced coverage.

Key Features:

- **Extended Wireless Coverage:** Adds WiFi range coverage up to 600 sq ft.
- **Device Connectivity:** Connects up to 15 devices such as laptops, smartphones, speakers, IP cameras, tablets, and IoT devices.
- **AC750 WiFi Speed:** Provides Dual-band WiFi speeds up to 750Mbps performance.
- **Universal Compatibility:** Works with any wireless router, gateway, or cable modem with WiFi.
- **Safe & Secure:** Supports WEP and WPA/WPA2 wireless security protocols.

- **Simple to Setup:** Features a WPS button for easy connection to your router.

Visual Guide:



Image: The compact wall-plug design of the NETGEAR EX2800, showing its discreet form factor.



WiFi

Up to 750Mbps

Dual-Band WiFi

For better performance

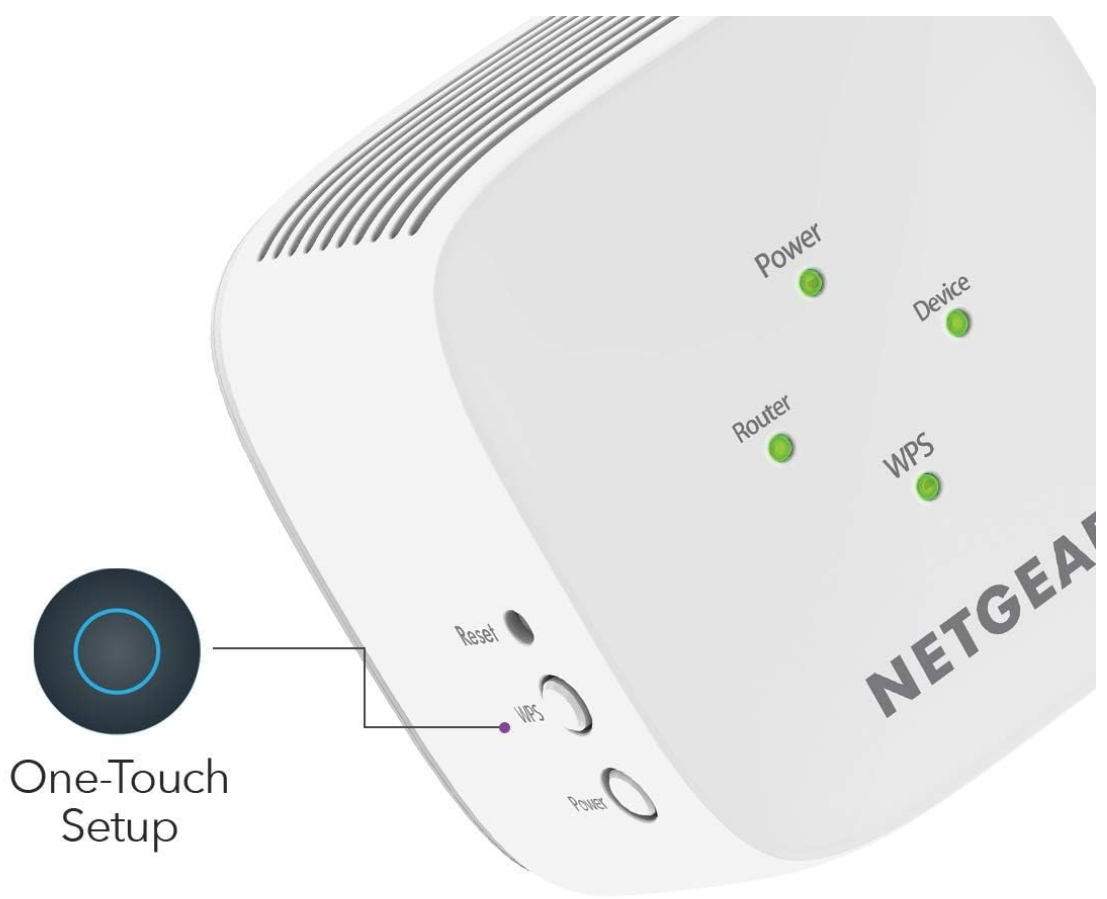
Universal Compatibility

Works with any WiFi router or gateway

EX2800 Top Features

NETGEAR®

Image: Close-up of the NETGEAR EX2800 showing the WPS button for one-touch setup.



Easy 5-minute setup with
one button press

NETGEAR®

Image: The NETGEAR EX2800 alongside a generic router, illustrating its universal compatibility with various WiFi routers, gateways, or cable modems.



Discrete wall plug design stays out of sight

NETGEAR®

Image: Diagram illustrating how the NETGEAR EX2800 extends WiFi coverage up to 600 sq. ft. and connects up to 15 devices within a home layout.



Compatible with all WiFi devices



Image: A view of the NETGEAR EX2800 highlighting its Ethernet port for wired connections.

Official Product Video:

Video: An official product video from 'Top Tier Reviews' demonstrating the ease of setup and utility of the NETGEAR WiFi Range Extender EX2800.

4. SETUP INSTRUCTIONS

Setting up your NETGEAR EX2800 WiFi Range Extender is designed to be straightforward. Follow these steps for a quick installation:

1. **Power On:** Plug the extender into an electrical outlet. Ensure it is initially placed in the same room as your WiFi router for the first-time setup.
2. **Wait for Power Light:** Wait for the Power LED on the extender to turn solid green.
3. **Connect via WPS:** Press the WPS (WiFi Protected Setup) button on your extender. Within two minutes, press the WPS button on your WiFi router. The Router LED on the extender should turn solid green, indicating a successful connection to your router.
4. **Optimal Placement:** Once connected, unplug the extender and move it to a new location. For best performance, place the extender about halfway between your router and the area where you want to improve WiFi coverage. Ensure the Router LED remains green in the new location, indicating a good connection to your router.
5. **Connect Devices:** Your extended WiFi network will typically appear with '_EXT' appended to your existing WiFi network name (e.g., 'MyWiFi_EXT'). Connect your devices to this new extended network using your existing WiFi password.
6. **Use NETGEAR WiFi Analyzer App:** For optimal placement and to monitor your network, download and use the NETGEAR WiFi Analyzer app on your mobile device.

5. OPERATING INSTRUCTIONS

Once your NETGEAR EX2800 is set up, it operates automatically to extend your WiFi signal. Here are some operational aspects:

- **Dual-Band Functionality:** The EX2800 supports dual-band WiFi (2.4 GHz and 5 GHz), allowing your devices to connect to the optimal frequency for better speed and less interference.
- **Access Point Mode:** The extender can also function in Access Point mode. In this mode, you can connect the extender to your router via an Ethernet cable to create a new WiFi hotspot, which can be beneficial for wired-only devices or to create a separate network.
- **LED Indicators:** The LEDs on the front panel provide status information:
 - **Power LED:** Indicates if the extender is powered on.
 - **Router LED:** Indicates the connection status between the extender and your router.
 - **WPS LED:** Lights up during and after a successful WPS connection.
 - **Device LED:** Indicates if devices are connected to the extender.

6. MAINTENANCE

To ensure the longevity and optimal performance of your NETGEAR EX2800 WiFi Range Extender, consider the following maintenance tips:

- **Keep Clean:** Regularly wipe the exterior of the device with a soft, dry cloth to prevent dust buildup, which can affect ventilation.
- **Ventilation:** Ensure the extender is plugged into an outlet with adequate airflow around it. Avoid covering the ventilation slots.
- **Firmware Updates:** Periodically check the NETGEAR support website for firmware updates. Keeping your device's firmware up-to-date can improve performance, add new features, and

enhance security.

- **Restart Periodically:** If you experience any performance issues, try unplugging the extender from the power outlet for 10 seconds and then plugging it back in. This can often resolve minor connectivity glitches.

7. TROUBLESHOOTING

If you encounter issues with your NETGEAR EX2800, refer to the following common troubleshooting steps:

- **No Power LED:** If the Power LED is off, ensure the extender is securely plugged into a working electrical outlet. Try a different outlet if necessary.
- **Router LED is Off or Red:** This indicates a poor or no connection to your router.
 - Move the extender closer to your WiFi router.
 - Ensure your router is powered on and broadcasting a WiFi signal.
 - Try the WPS setup process again.
- **Devices Not Connecting to Extended Network:**
 - Verify you are connecting to the correct extended network name (e.g., 'MyWiFi_EXT').
 - Ensure you are using the correct WiFi password for your main network.
 - Restart both your extender and the device you are trying to connect.
- **Unstable Connection or Frequent Disconnections:**
 - Reposition the extender. It might be too far from the router or too close to other interfering devices.
 - Check for physical obstructions like thick walls or large metal objects between the extender and your router/devices.
 - Ensure your router's firmware is up-to-date.
 - If issues persist, consider contacting NETGEAR customer support for further assistance.
- **Slow Speeds on Extended Network:** While extenders boost range, they can sometimes reduce speed. Ensure optimal placement and consider using the 5 GHz band for compatible devices if available, as it generally offers higher speeds.

8. SPECIFICATIONS

Brand	NETGEAR
Model	EX2800
Wireless Communication Standard	802.11ac
Data Transfer Rate	300 Megabits Per Second
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Special Feature	Access Point Mode
Compatible Devices	Router
Range	600 square_feet
Item Weight	5.44 ounces
Item Dimensions (D x W x H)	3"D x 3"W x 4"H
Color	White, Grey
UPC	606449146691

9. WARRANTY AND SUPPORT

Your NETGEAR WiFi Range Extender EX2800 comes with a **1-year warranty**. For detailed warranty information, product registration, and technical support, please visit the official NETGEAR support website or refer to the documentation included in your product package.

For assistance with setup, troubleshooting, or any other product-related queries, it is recommended to consult the official NETGEAR support resources.

10. IMPORTANT SAFETY INFORMATION

- This device is made for use in the US only.
- Do not expose the device to water or moisture.
- Do not open or attempt to repair the device yourself. Refer all servicing to qualified personnel.
- Ensure the device is plugged into a properly grounded electrical outlet.
- Avoid placing the device near heat sources or in direct sunlight.