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> **NETGEAR N600 WiFi Range Extender (WN3500RP) Instruction Manual**

NETGEAR WN3500RP

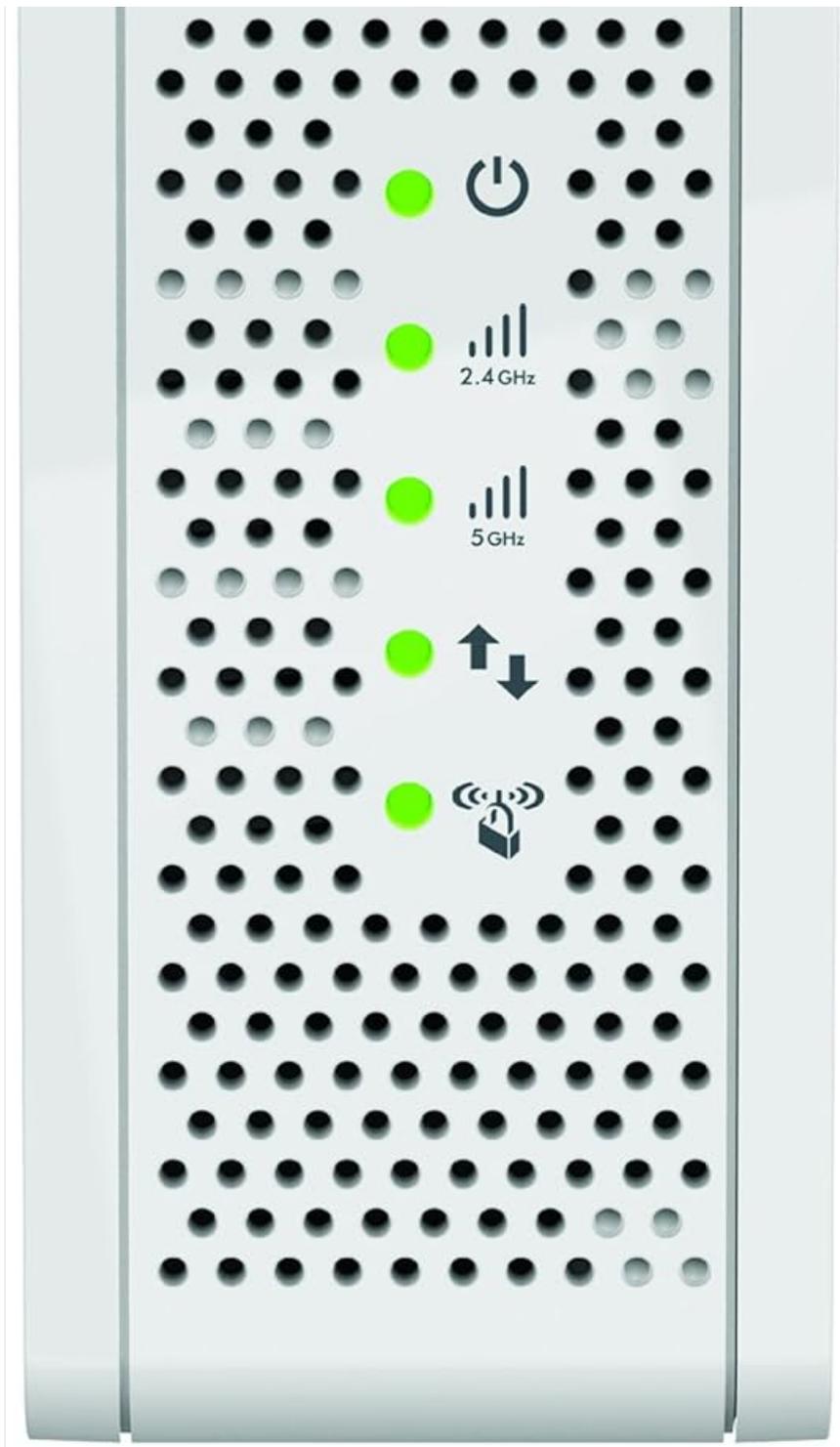
NETGEAR N600 WiFi Range Extender (WN3500RP) Instruction Manual

Model: WN3500RP

1. INTRODUCTION

The NETGEAR N600 WiFi Range Extender (WN3500RP) is designed to boost your existing WiFi coverage, eliminating dead zones and extending connectivity to more areas of your home or office. This device supports dual-band WiFi, allowing you to connect iPads, smartphones, and other devices. It works seamlessly with any standard WiFi router or gateway and offers features like wireless music streaming to your audio system and compatibility with AirPlay.





Front view of the NETGEAR N600 WiFi Range Extender (WN3500RP).

2. WHAT'S IN THE BOX

Your NETGEAR N600 WiFi Range Extender package should contain the following items:

- NETGEAR N600 WiFi Range Extender (WN3500RP)
- Power adapter
- Installation Guide

3. SETUP INSTRUCTIONS

Follow these steps to set up your NETGEAR N600 WiFi Range Extender. For a seamless installation, it is recommended to complete the basic setup in the same room as your current router.

3.1. Initial Placement and Power On

1. Unbox your extender and attach the antennas if they are not already fixed.
2. Plug the extender into an electrical outlet in the same room as your WiFi router.
3. Wait for the Power LED on the extender to light up solid green.



Side view of the extender, showing ports and LEDs.

3.2. Connecting via WPS (Recommended)

WPS (Wi-Fi Protected Setup) is the easiest way to connect your extender to your router.

1. First, press the **WPS button** on your NETGEAR N600 WiFi Range Extender.
2. Within two minutes, press the **WPS button** on your WiFi router.
3. The WPS LED on the extender will light up solid green when a good connection is established between your WiFi router and your extender.
4. If your WiFi router supports the 5GHz band and you wish to extend this band, repeat the WPS process for the 5GHz band.

If your router does not support WPS, or if you encounter issues, refer to the "Setup Later" option in the video or the full manual for browser-based setup instructions.

3.3. Optimal Placement of the Extender

After initial setup, unplug the extender and move it to a new location that is about halfway between your router and the area with a poor WiFi signal. The chosen location must be within range of your existing WiFi router network.

1. Plug the extender into an electrical outlet in the desired location.
2. Wait for the Power LED to light green.
3. Use the **Router Link LED** on the extender to help you choose a location where the extender-to-router connection is optimal.
 - If the Router Link LED lights **amber or green**, you have found a good location for the extender.
 - If the LED lights **red**, plug the extender into an outlet closer to the router and try again. Moving the extender closer to the router will improve the connection but may reduce your extender's coverage.

3.4. Wireless Connections

Once you've found a good location for your extender, connect your client device (e.g., laptop, smartphone) using the new network name. The extender uses your existing WiFi name and adds "_2GEXT" or "_5GEXT" at the end (e.g., MyNetworkName_2GEXT or MyNetworkName_5GEXT).

1. When connecting, ensure you use the same WiFi password as your router.
2. If you are using a mobile device, connect in the same room as the extender first, and then move to the area with a poor router WiFi signal.
3. Once your devices are connected and placed in the dead zone, return to the extender and check the **Client Link LED**.
 - If the Client Link LED is **solid amber or green**, your WiFi network has been properly extended to the area with a poor router WiFi signal, and your network setup is complete.
 - If the Client Link LED is **red**, the range extender is not reaching the area with a poor router WiFi signal. If possible, move your client device closer to the extender until the Client Link LED turns solid green or amber.

Depending on the distance from your router to the dead zone, your extender may not be able to provide all the range that you require. In this situation, consider other solutions such as Powerline adapters.

Setup Video Guide



Official NETGEAR video demonstrating how to set up Wall Plug WiFi Range Extenders.

4. OPERATING INSTRUCTIONS

Once your NETGEAR N600 WiFi Range Extender is set up, it operates automatically to extend your wireless network. Devices connected to the extended network will experience improved signal strength and coverage.

- **Connecting Devices:** Connect your wireless devices (smartphones, tablets, laptops, smart TVs, etc.) to the extended WiFi network (e.g., MyNetworkName_2GEXT or MyNetworkName_5GEXT) using your existing router's WiFi password.
- **Wired Connection:** The extender may include an Ethernet port to connect one wired device, such as a Smart TV, Blu-ray player, or game console, to your network.
- **Music Streaming:** Utilize the 3.5mm audio port to wirelessly stream music to your audio system, compatible with AirPlay.

5. MAINTENANCE

To ensure optimal performance and longevity of your NETGEAR N600 WiFi Range Extender, consider the following maintenance tips:

- **Firmware Updates:** Periodically check the NETGEAR support website for firmware updates. Keeping your device's firmware up-to-date ensures the best performance and security.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Ensure the extender is placed in a well-ventilated area to prevent overheating. Avoid covering the ventilation holes.
- **Power Cycle:** If you experience intermittent connectivity issues, try power cycling the extender (unplug it from the outlet, wait 10 seconds, then plug it back in).

6. TROUBLESHOOTING

If you encounter issues with your range extender, try the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to the extender and a working electrical outlet. Check if the Power LED is lit.
- **Poor Signal Strength:** Relocate the extender closer to your main WiFi router. Use the Router Link LED as a guide (amber or green indicates a good connection).
- **Cannot Connect to Extended Network:**
 - Verify that you are selecting the correct extended network name (e.g., MyNetworkName_2GEXT).
 - Ensure you are using the correct WiFi password (same as your main router).
 - If the Client Link LED is red, move your client device closer to the extender.
- **Intermittent Connection:** This can sometimes be resolved by power cycling both your main router and the range extender. Ensure there are no physical obstructions or interference sources (like microwaves or cordless phones) near the extender.
- **Factory Reset:** If all else fails, you may need to perform a factory reset. Locate the reset button (usually a small pinhole) and press and hold it for about 5-10 seconds until the LEDs flash. This will revert the extender to its default settings, and you will need to set it up again.

7. SPECIFICATIONS

Feature	Detail
Wireless Type	802.11a, 802.11b, 802.11g, 802.11n
Number of USB 2.0 Ports	1
Brand	NETGEAR

Item model number	WN3500RP-100NAS
Operating System Compatibility	Microsoft Windows 7, 8, Vista, XP, 2000, Mac OS, UNIX or Linux
Item Weight	1.38 pounds
Product Dimensions (LxWxH)	11.62 x 9.85 x 2.56 inches
Color	White
Language	English
Wireless Communication Standard	802.11a, 802.11b, 802.11g, 802.11n
Data Transfer Rate	300 Megabits Per Second
Frequency Band Class	Dual-Band
Special Feature	FastLane Technology

8. WARRANTY AND SUPPORT

This product is indicated to have **No Warranty**. For further assistance or detailed support, please visit the official NETGEAR support website or contact their customer service. You can find more information and resources at the [NETGEAR Store on Amazon](#).