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NETGEAR WN2000RPT

NETGEAR N300 Wi-Fi Range Extender WN2000RPT User Manual

Model: WN2000RPT

1. Introduction

The NETGEAR N300 Wi-Fi Range Extender (Model WN2000RPT) is designed to expand the coverage of your existing wireless network, eliminating Wi-Fi dead zones and providing reliable connectivity throughout your home or office. This device is compatible with 802.11b/g/n wireless routers, gateways, and Internet Service Provider (ISP) devices. It also features four Ethernet ports, allowing you to connect wired devices such as gaming consoles, smart TVs, and Blu-ray players to your wireless network.

2. Package Contents

Please verify that your package contains the following items:

- NETGEAR N300 Wi-Fi Range Extender (WN2000RPT)
- Power adapter

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

3. Product Features

- Extends Wi-Fi coverage to eliminate dead zones.
- Compatible with wireless b/g/n routers, gateways, and ISP devices.
- Enables freedom to roam throughout your home while maintaining Internet access.
- Features four Ethernet ports for connecting wired devices (e.g., gaming consoles, Internet TVs, Blu-ray players).
- Supports Wi-Fi Protected Setup (WPS) for easy connection.
- Supports Windows 8.
- Multiple voltage compatible (100-240V).

4. Hardware Overview

4.1 Front Panel



Figure 1: Front view of the NETGEAR WN2000RPT Range Extender. This image displays the sleek black casing and the indicator lights on the right side, including the WPS button at the bottom.

The front panel of the WN2000RPT features several LED indicators and a WPS button:

- **Power LED:** Indicates the power status of the device.
- **Wireless LED:** Indicates the status of the wireless connection.
- **WPS Button/LED:** Used for Wi-Fi Protected Setup. The LED indicates WPS activity.
- **Ethernet LEDs (4):** Indicate activity on the corresponding Ethernet ports.

4.2 Rear Panel



Figure 2: Rear view of the NETGEAR WN2000RPT Range Extender, showing the power switch, power input, four Ethernet ports, and the factory reset button.

The rear panel provides connectivity options and control buttons:

- **Power On/Off Switch:** Toggles the device power.
- **Power Input:** Connects to the included power adapter.
- **Ethernet Ports (4):** RJ-45 ports for connecting wired devices.
- **Factory Settings / Reset Button:** Used to restore the device to its factory default settings.

5. Setup Instructions

Follow these steps to set up your NETGEAR N300 Wi-Fi Range Extender:

5.1 Placement

Place the range extender approximately halfway between your existing wireless router and the area where you want to improve Wi-Fi coverage. Ensure it is within the range of your existing router's signal. Avoid placing it near large metal objects, concrete walls, or other devices that may cause interference (e.g., microwaves, cordless phones).

5.2 Power On

1. Connect the included power adapter to the Power Input port on the rear of the extender.
2. Plug the other end of the power adapter into a wall outlet.
3. Press the Power On/Off switch to turn on the extender. The Power LED on the front panel should illuminate.

5.3 Connect to Your Existing Wi-Fi Network (WPS Method)

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

1. Press the **WPS button** on the front of the WN2000RPT extender. The WPS LED should start blinking.
2. Within two minutes, press the **WPS button** on your wireless router. Refer to your router's manual for the exact location of its WPS button.
3. Wait for the WPS LED on the extender to turn solid green, indicating a successful connection. The Wireless LED should also turn solid green.

If your router does not support WPS or the connection fails, proceed to the Web Browser Setup method.

5.4 Connect to Your Existing Wi-Fi Network (Web Browser Method)

1. Connect your computer to the extender using an Ethernet cable. Plug one end into an Ethernet port on the extender and the other into your computer's Ethernet port. Alternatively, connect wirelessly to the extender's default Wi-Fi network (usually named "NETGEAR_EXT" or similar, check the label on the device).
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. In the address bar, type **http://www.mywifiext.net** or **http://192.168.1.250** and press Enter.
4. Follow the on-screen instructions to log in. The default username is **admin** and the default password is **password**.

5. The setup wizard will guide you through selecting your existing Wi-Fi network and configuring the extended network's name (SSID) and password. It is recommended to use a different SSID (e.g., "YourNetworkName_EXT") to distinguish it from your main network.
6. Once configured, the extender will restart. You can then disconnect your computer from the extender.

5.5 Verify Connection

After setup, check the Wireless LED on the extender. A solid green light indicates a good connection to your router. If it's amber or red, the signal might be weak, and you may need to reposition the extender closer to your router.

6. Operating Instructions

Once the NETGEAR WN2000RPT is set up, it operates automatically to extend your Wi-Fi signal. Here's how to use it:

- **Connecting Wireless Devices:** On your wireless devices (smartphones, tablets, laptops), scan for available Wi-Fi networks. Select the extended network's SSID (e.g., "YourNetworkName_EXT") and enter the password you configured during setup.
- **Connecting Wired Devices:** Use standard Ethernet cables to connect devices like gaming consoles, smart TVs, or desktop computers to the Ethernet ports on the rear of the extender. These devices will then gain access to your extended wireless network.
- **Optimal Performance:** For best performance, ensure the extender's Wireless LED remains solid green. If it frequently changes to amber or red, consider adjusting the extender's position.

7. Maintenance

Regular maintenance helps ensure the optimal performance and longevity of your range extender:

- **Firmware Updates:** Periodically check the NETGEAR support website for firmware updates. Firmware updates can improve performance, add new features, and fix bugs. To update, log into the extender's web interface (http://www.mywifiext.net) and navigate to the firmware update section.
- **Cleaning:** Gently wipe the exterior of the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Restarting:** If you experience connectivity issues, try restarting the extender by unplugging it from the power outlet for 10 seconds and then plugging it back in.
- **Factory Reset:** If you encounter persistent issues or forget your login credentials, you can perform a factory reset. With the extender powered on, use a paperclip to press and hold the Factory Settings / Reset button on the rear panel for about 7-10 seconds until the LEDs flash. The extender will revert to its default settings, and you will need to set it up again.

8. Troubleshooting

This section addresses common issues you might encounter with your NETGEAR WN2000RPT.

8.1 No Internet Connection or Weak Signal

- **Check Placement:** Ensure the extender is placed within the optimal range of your main router. The Wireless LED should be solid green. If it's amber or red, move the extender closer to the router.
- **Verify Router Connection:** Ensure your main wireless router is powered on and functioning correctly.
- **Restart Devices:** Restart both your router and the range extender.
- **Interference:** Move the extender away from potential sources of interference (e.g., microwaves, cordless phones, large metal objects).

- **Firmware:** Ensure your extender has the latest firmware installed.

8.2 Cannot Access the Extender's Web Interface

- **Correct Address:** Ensure you are typing **http://www.mywifiext.net** or **http://192.168.1.250** correctly into your browser's address bar.
- **Connection:** Make sure your computer is connected to the extender's network (either via Ethernet or its Wi-Fi SSID).
- **Browser Cache:** Clear your browser's cache and cookies, or try a different web browser.
- **Firewall/Antivirus:** Temporarily disable any firewall or antivirus software on your computer that might be blocking access.
- **Factory Reset:** If all else fails, perform a factory reset and reconfigure the extender.

8.3 Forgotten Password

If you forget the password for your extended Wi-Fi network or the extender's web interface, you will need to perform a factory reset. Refer to the "Factory Reset" section under Maintenance (Section 7) for instructions.

9. Specifications

Brand	NETGEAR
Model Number	WN2000RPT-100NAS
Wireless Communication Standard	802.11b, 802.11g, 802.11n
Data Transfer Rate	150 Megabits Per Second
Ethernet Ports	4 (RJ-45)
Product Dimensions	10.24 x 8.98 x 2.56 inches
Item Weight	1.31 pounds
Power Input	100-240V (Multi-voltage compatible)
Included Components	Power adapter
Date First Available	July 16, 2010

10. Warranty and Support

For detailed warranty information, technical support, and additional resources, please visit the official NETGEAR support website. You can find drivers, firmware updates, and troubleshooting guides specific to your WN2000RPT model.
NETGEAR Support Website: https://www.netgear.com/support/
Please have your product model number (WN2000RPT) and serial number ready when contacting support.

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