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› NETGEAR Nighthawk WiFi 7 Router (BE9300) User Manual

NETGEAR BE9300-1AZPAS

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User Manual

1. PRODUCT OVERVIEW

The NETGEAR Nighthawk WiFi 7 Router (BE9300) is designed to provide blazing-fast wireless speeds and extensive coverage for modern homes. Leveraging WiFi 7 technology, it offers speeds up to 9.3 Gbps, significantly faster than WiFi 6, and utilizes 320 MHz high-capacity channels to support up to 100 concurrent devices. Its tri-band WiFi capabilities, including the ultra-fast 6 GHz band, ensure peak performance with minimal interference.

This router is ideal for demanding applications such as 4K/8K video streaming, online gaming, video conferencing, and managing a multitude of smart home devices. It features a high-performance antenna design for up to 2,500 sq. ft. of WiFi coverage and includes two 2.5 Gig and two 1 Gig LAN ports for ultra-fast wired connections.



Figure 1: NETGEAR Nighthawk WiFi 7 Router (BE9300)

Key Features:

- Blazing-fast WiFi 7 speeds up to 9.3Gbps for gaming, smooth streaming, video conferencing and entertainment.
- 2.4x faster speeds than WiFi 6 to maximize performance across all devices.
- Sleek new body with smaller footprint and high-performance antennas for up to 2,500 sq. ft. of WiFi coverage.

- 2.5 Gig internet port enables multi-gig speeds with the latest cable or fiber internet service plans.
- Supports up to 100 concurrent devices.
- Built-in VPN capabilities.
- USB 3.0 port for network storage.

2. WHAT'S IN THE BOX

Verify that all items are present in your package:

- One (1) WiFi 7 Tri-Band Router (BE9300)
- One (1) 2m Ethernet cable
- One (1) 12V/3.5A power adapter
- Quick start guide

3. SETUP GUIDE

3.1 Before You Begin

Ensure your internet service plan and existing modem are compatible with the Nighthawk BE9300 router. For optimal performance, your modem and router connection should match your internet speed plan. This router does not have a coax input and is not a cable modem; a separate modem is required for cable or fiber internet service.

3.2 Connecting Your Router

1. **Power Off Modem:** Disconnect power from your existing modem.
2. **Connect Router:** Connect one end of the provided Ethernet cable to the 2.5 Gig internet port (usually yellow) on your Nighthawk router and the other end to your modem's Ethernet port.
3. **Power On Modem:** Power on your modem and wait for it to fully initialize (usually indicated by stable indicator lights).
4. **Power On Router:** Connect the 12V/3.5A power adapter to your Nighthawk router and plug it into a power outlet. Wait for the router to power on and its indicator lights to stabilize.
5. **Connect Devices:** Connect your computer or mobile device to the router's WiFi network using the default WiFi name (SSID) and password found on the router's label. Alternatively, use an Ethernet cable to connect your computer to one of the router's LAN ports.

2.5 Gig internet & LAN ports support fast wired connections



Figure 2: Router Ports (2.5Gbps Internet, 2.5Gbps LAN, 1Gbps LAN, USB 3.0)

3.3 Using the Nighthawk App for Setup

The easiest way to set up and manage your WiFi is with the Nighthawk app. Download the app from your mobile device's app store and follow the on-screen instructions for guided setup.

Supports multi-gig speeds

Get the fastest speeds available with a 2.5 Gig internet port. 2.5 Gbps & 1 Gbps Ethernet ports ensure fast wired connections.

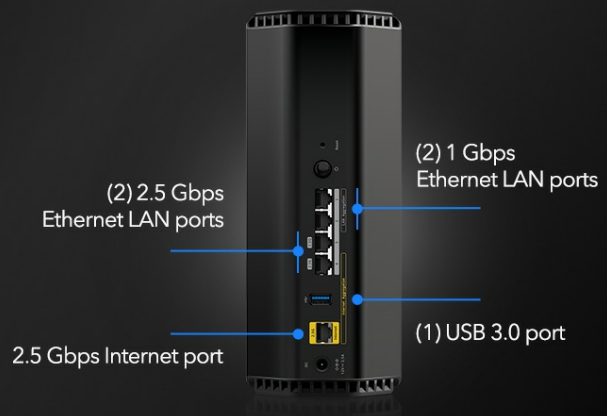


Figure 3: Easy setup and management with the Nighthawk app

4. OPERATING YOUR ROUTER

4.1 Wireless Connectivity

The Nighthawk BE9300 provides tri-band WiFi, including 2.4 GHz, 5 GHz, and 6 GHz bands. For devices supporting WiFi 7, the 6 GHz band offers the fastest speeds and lowest latency. Ensure your devices are connected to the appropriate band for optimal performance.

Welcome to Nighthawk WiFi 7

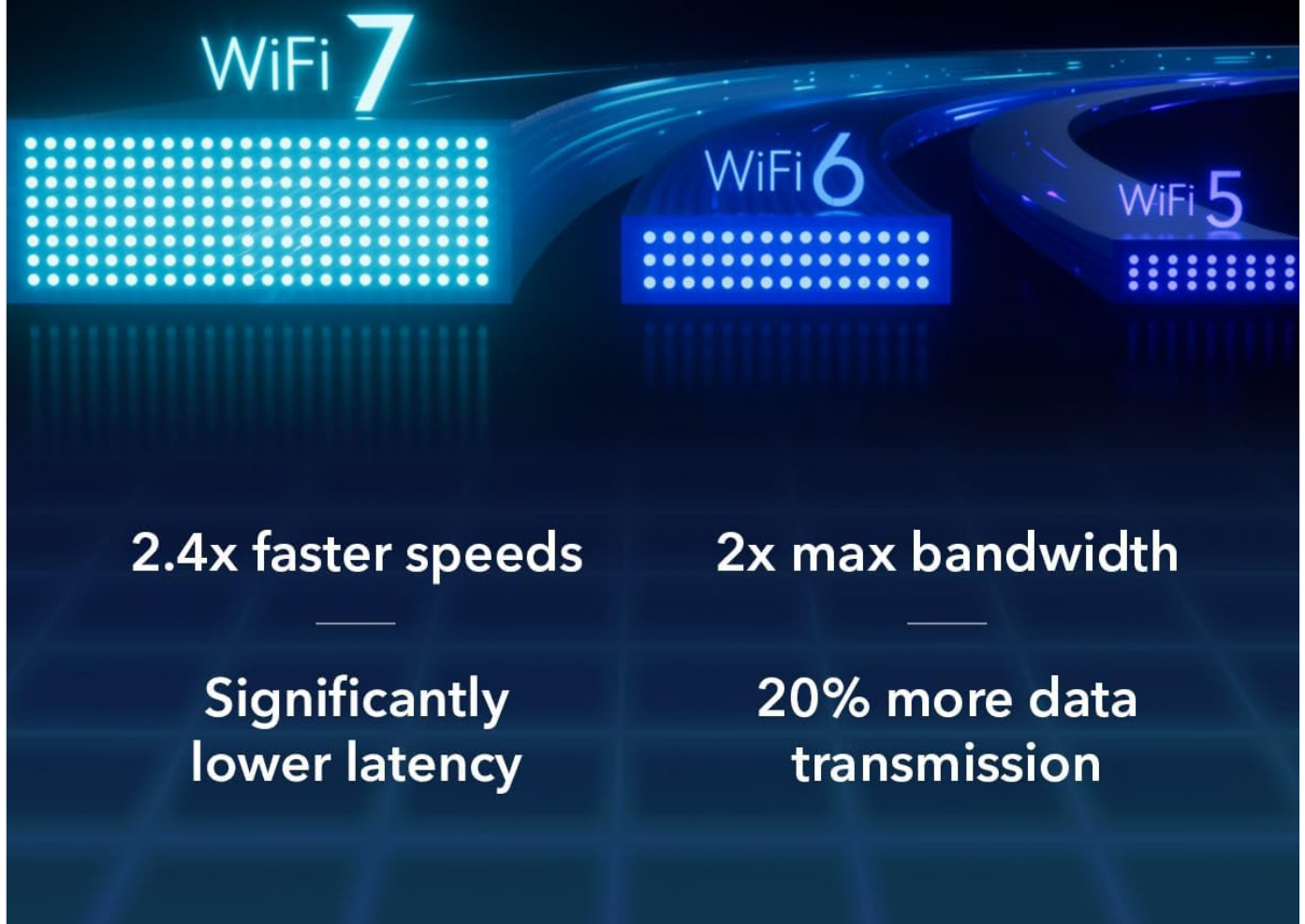


Figure 4: WiFi 7 offers 2.4x faster speeds and 2x max bandwidth compared to WiFi 6

4.2 Wired Connections

Utilize the 2.5 Gig and 1 Gig LAN ports for high-speed wired connections to devices like gaming consoles, desktop PCs, and network-attached storage (NAS) for maximum performance and stability.

4.3 Optimizing Performance

- **Placement:** Position the router in a central location in your home, away from obstructions and interference sources (e.g., microwaves, cordless phones).
- **Device Prioritization:** Use the Nighthawk app to prioritize bandwidth for specific devices or applications (e.g., gaming, video streaming) to ensure a smooth experience.
- **Antenna Design:** The router's patented antenna design enhances WiFi performance and coverage across your home.

All-new, patented antenna design provides enhanced WiFi performance and coverage



Figure 5: Enhanced WiFi power and coverage

5. MAINTENANCE

Regular maintenance ensures your router operates at peak performance and maintains optimal security.

- **Firmware Updates:** Periodically check for and install firmware updates through the Nighthawk app or the router's web interface. Firmware updates often include performance improvements, new features, and critical security patches.
- **Rebooting:** Occasionally reboot your router (power off, wait 10 seconds, then power on) to clear its memory and resolve minor connectivity issues.
- **Cleaning:** Keep the router clean and free of dust to prevent overheating and ensure proper ventilation.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

- **No Internet Connection:**

- Check all cable connections between the modem, router, and power outlets.
- Reboot both your modem and router.
- Verify your internet service is active with your provider.

- **Slow WiFi Speeds:**

- Ensure your devices are connected to the optimal WiFi band (e.g., 6 GHz or 5 GHz for faster speeds).
- Relocate the router to a more central position, away from interference.
- Check for active firmware updates.

- **Apple Devices Connectivity Issues (Smart Connect):**

- Some Apple devices (e.g., Apple TV, iPads) may experience issues with the router's "Smart Connect" feature, which automatically assigns devices to WiFi bands.
- **Solution:** Turn off "Smart Connect" in the Nighthawk app or router's web interface. This allows you to manually select the 2.4 GHz, 5 GHz, or 6 GHz band for your Apple devices.

- **Limited WiFi Coverage:**

- Ensure the router is centrally located and not obstructed.
- Consider adding a WiFi extender or mesh system if your home is larger than 2,500 sq. ft.

7. SPECIFICATIONS

Feature	Detail
Brand	NETGEAR
Model Name	BE9300
Item Model Number	BE9300-1AZPAS
Wireless Communication Standard	802.11.be (WiFi 7)
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz, 6 GHz)
Max Wireless Speed	Up to 9.3 Gbps
WiFi Coverage	Up to 2,500 sq. ft.
Concurrent Devices	Up to 100
Internet Port	One (1) 2.5 Gig Ethernet Port
LAN Ports	Two (2) 2.5 Gig Ethernet LAN ports, Two (2) 1 Gig Ethernet LAN ports
USB Port	One (1) USB 3.0
Special Feature	Internet Security (NETGEAR Armor)
Compatible Devices	Gaming Console, Personal Computer, Security Camera, Smart Television, Smartphone
Item Weight	3.01 pounds

Feature	Detail
Package Dimensions	10.87 x 7.17 x 7.13 inches

8. WARRANTY AND SUPPORT

NETGEAR devices come with built-in security measures and enhanced safety features. For comprehensive protection, the Nighthawk BE9300 includes NETGEAR Armor, a powerful suite of tools powered by Bitdefender, designed to keep you safe online at home or on the go. A 30-day trial is included with your purchase.

NETGEAR[®] ARMOR™ | **POWERED BY Bitdefender[®]**

A powerful suite of tools to help keep you safe online. Includes 30-day trial.

- ✓ Cybersecurity
- ✓ VPN
- ✓ Extended Warranty
- ✓ Priority Support

Figure 6: NETGEAR Armor provides smart security and powerful privacy

Easily set up and manage your WiFi, including security features, with the Nighthawk app. For further assistance, refer to the quick start guide included in your package or visit the official NETGEAR support website.

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

Answered questions about this manual

How do I connect a NETGEAR EAX20 extender to my new Nighthawk BE9300 router?

To connect your NETGEAR EAX20 extender to your Nighthawk BE9300 router, the most reliable method is using the Nighthawk App or the WPS button. Follow these steps:Method 1: Using the Nighthawk App (Recommended)Download and...

[Read full answer](#)