NETGEAR RAX50-100NAS

NETGEAR Nighthawk 6-Stream AX5400 WiFi 6 Router (RAX50)

Model: RAX50-100NAS | Brand: NETGEAR

Overview

The NETGEAR Nighthawk AX6/6-Stream AX5400 WiFi Router is engineered with the latest generation WiFi 6 technology, offering significantly increased network capacity compared to previous WiFi standards. This ensures consistent and powerful signal strength across your home, delivering superior performance for demanding applications like multimedia streaming and online gaming. It provides extensive coverage up to 2,500 sq. ft. and can support up to 25 devices simultaneously.



Front view of the NETGEAR Nighthawk AX5400 WiFi 6 Router.

Package Contents

Upon unboxing your NETGEAR Nighthawk AX5400 WiFi 6 Router, you should find the following items:

- RAX50 WiFi 6 Router
- Ethernet Cable
- 4 External Antennas
- Quick Start Guide
- Power Adapter



The retail packaging for the NETGEAR Nighthawk AX5400 WiFi 6 Router.

Product Features

- **Extensive Coverage:** Provides WiFi coverage up to 2,500 sq. ft. for up to 25 devices, ensuring a strong signal throughout your home.
- **High-Speed Performance:** Delivers fast AX5400 Gigabit speed with WiFi 6 technology, ideal for uninterrupted streaming, HD video gaming, and web conferencing.
- **Universal Compatibility:** Connects seamlessly to your existing cable modem and replaces your current WiFi router. It is compatible with any internet service provider up to 1Gbps, including cable, satellite, fiber, and DSL.
- **Wired Connectivity:** Features 4 x 1G Ethernet ports for reliable wired connections to computers, game consoles, streaming players, and other devices.
- **USB 3.0 Port:** Includes 1 x 3.0 USB port, allowing you to share a storage drive with any connected device and

create personal cloud storage accessible from anywhere.

- **Advanced Security:** Comes with NETGEAR Armor, providing an automatic shield of security across all your connected devices with a 30-day free trial.



Rear view highlighting the Ethernet and USB 3.0 ports.

Setup

Setting up your NETGEAR Nighthawk AX5400 WiFi 6 Router is a straightforward process. Follow these steps for a quick installation:

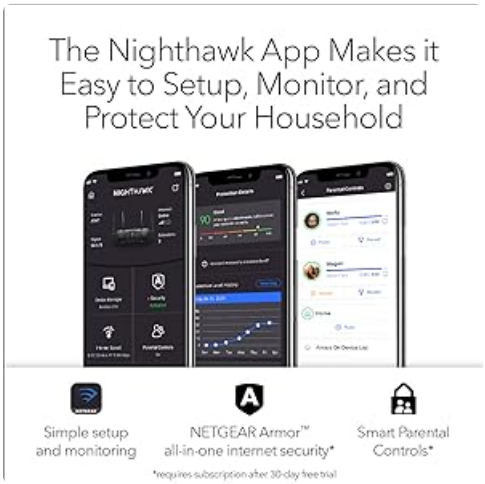
1. **Unpack and Connect:** Unpack all items from the box. Connect the provided Ethernet cable from your existing modem to the Internet (WAN) port on the back of the Nighthawk router.
2. **Attach Antennas:** Screw the four external antennas securely onto the designated connectors on the router.
3. **Power On:** Plug the power adapter into the router's power port and then into a wall outlet. Wait for the power LED on the router to turn solid white.
4. **Download Nighthawk App:** For the easiest setup, download the NETGEAR Nighthawk app from your mobile device's app store (iOS or Android).
5. **Follow App Instructions:** Open the Nighthawk app and follow the on-screen prompts to connect to your new WiFi network, personalize your settings (like WiFi name and password), and complete the setup. The app will guide you through connecting your mobile device to the router's default WiFi network and then configuring your new network.
6. **Firmware Update:** The app may prompt you to update the router's firmware. It is highly recommended to perform this update to ensure optimal performance, security, and access to the latest features.

Note: No official seller setup videos were available for direct embedding. Please refer to the Quick Start Guide included in your package or the Nighthawk app for visual guidance.

Operating Instructions

Once your Nighthawk router is set up, you can manage and optimize your network using the Nighthawk app or through the web interface.

- **Connecting Devices:** Connect your wireless devices (smartphones, tablets, laptops) to your new WiFi network using the personalized WiFi name (SSID) and password you set during setup. For wired devices, simply plug an Ethernet cable from the device into one of the available LAN ports on the router.
- **Using the Nighthawk App:** The Nighthawk app provides a user-friendly interface to monitor your network, view connected devices, check internet speed, manage parental controls, and access security features (NETGEAR Armor).
- **Guest WiFi:** Create a separate guest WiFi network for visitors to provide internet access without sharing your main network password. This enhances your network security.
- **Parental Controls:** Utilize the Smart Parental Controls feature (accessible via the Nighthawk app) to manage screen time, block inappropriate websites, and set schedules for internet access on specific devices.



The Nighthawk App simplifies network management.

Maintenance

To ensure the longevity and optimal performance of your NETGEAR Nighthawk router, consider the following maintenance tips:

- **Regular Firmware Updates:** Periodically check for and install firmware updates through the Nighthawk app or the router's web interface. These updates often include performance improvements, security patches, and new features.
- **Proper Placement:** Place your router in a central location, away from obstructions and other electronic devices that might cause interference. Avoid placing it in enclosed spaces.
- **Cleaning:** Gently clean the exterior of the router with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials. Ensure ventilation areas are free from dust buildup.
- **Rebooting:** Occasionally reboot your router (power cycle) by unplugging it from the power outlet for 10-15 seconds and then plugging it back in. This can help resolve minor connectivity issues and improve performance.

Troubleshooting

If you encounter issues with your NETGEAR Nighthawk router, try the following troubleshooting steps:

- **No Internet Connection:**

- Check all cable connections between your modem and router.
- Reboot both your modem and router.
- Contact your Internet Service Provider (ISP) to ensure there are no service outages in your area.

- **Slow WiFi Speed:**
  - Ensure your devices are connected to the 5 GHz band for faster speeds, if supported.
  - Move closer to the router to improve signal strength.
  - Reduce the number of active devices or bandwidth-intensive activities.
  - Check for firmware updates.
- **Dropped Connections:**
  - Ensure your router is placed away from potential interference sources (e.g., cordless phones, microwaves).
  - Reboot the router.
  - Verify that your device's wireless drivers are up to date.
- **Cannot Access Router Settings:**
  - Ensure your device is connected to the router's WiFi network or via an Ethernet cable.
  - Try accessing the web interface using the default address (e.g., routerlogin.net or 192.168.1.1).
  - If you forgot your admin password, you may need to perform a factory reset (refer to the user guide for instructions).

SPECIFICATIONS

Feature	Detail
Wireless Type	802.11n, 802.11b, 802.11ax, 802.11a, 802.11g, 802.11ac
Model Name	RAX50
Item Model Number	RAX50-100NAS
Wireless Speed	Up to 5.4 Gbps (AX5400)
WiFi Coverage	Up to 2,500 sq. ft.
Connected Devices	Up to 25 devices
Ethernet Ports	4 x 1G Ethernet LAN ports, 1 x 1G Internet (WAN) port
USB Port	1 x USB 3.0 port
Processor	Triple-core 1.5GHz processor
Memory	256MB flash and 512MB RAM
Dimensions (LxWxH)	14.7 x 10 x 4.6 inches
Item Weight	2.5 pounds

Feature	Detail
Color	Black

Warranty and Support

The NETGEAR Nighthawk AX5400 WiFi 6 Router is backed by a **1-year limited hardware warranty**. For additional support and detailed information, please refer to the official user guide.

Official User Guide (PDF): Download User Guide

For further assistance, visit the official NETGEAR support website or contact their customer service.

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