NETGEAR RS90-100NAS

NETGEAR Nighthawk Dual-Band WiFi 7 Router (RS90) User Manual

Model: RS90-100NAS | Brand: NETGEAR

Product Overview

The NETGEAR Nighthawk RS90 WiFi 7 Dual-band Router is engineered to deliver cutting-edge wireless performance for modern homes. It leverages WiFi 7 technology to provide speeds up to 3.6 Gbps, offering 1.2X faster performance than WiFi 6. Designed to cover up to 2,000 sq. ft. and support up to 50 devices, it ensures stunning streaming, seamless video conferencing, and reliable connectivity for all your smart home devices. Integrated NETGEAR Armor provides robust security features to protect your network.



Figure 1: Front view of the NETGEAR Nighthawk RS90 WiFi 7 Router.

Setup Guide

What's in the Box

- One (1) WiFi 7 Dual-Band Router (RS90)
- One (1) 2m Ethernet cable

- One (1) 12V/1.5A power adapter
- Quick start guide

Initial Connection

1. **Connect the Modem:** Ensure your existing modem is connected to the internet service. If you have a separate modem, connect it to the 2.5 Gig Internet port (yellow) on the Nighthawk RS90 using the provided Ethernet cable.
2. **Power On:** Connect the 12V/1.5A power adapter to the router and plug it into a power outlet. Wait for the router to power on and the indicator lights to stabilize.
3. **Wired Devices:** For wired connections, use standard Ethernet cables to connect your devices (e.g., computers, gaming consoles) to any of the four 1 Gig Ethernet LAN ports (1-4) on the back of the router.



Figure 2: Rear view of the NETGEAR Nighthawk RS90 Router with labeled ports.

Nighthawk App Setup

The easiest way to set up and manage your Nighthawk RS90 router is by using the Nighthawk app. Download the app from your mobile device's app store and follow the on-screen instructions for a guided setup process. The app allows for quick configuration of Wi-Fi settings, network monitoring, and access to advanced features.

Your browser does not support the video tag.

Video 1: An official NETGEAR video providing an overview of Netgear WiFi 7 Routers, including setup and features.

Operating the Router

High-Speed Performance

The Nighthawk RS90 delivers exceptional speeds up to 3.6 Gbps, making it ideal for demanding online activities such as 4K/8K streaming, online gaming, and video conferencing. Its advanced Wi-Fi 7 capabilities provide significantly lower latency and increased bandwidth compared to previous Wi-Fi standards, ensuring a smooth and responsive experience across all connected devices.



Figure 3: Comparison highlighting the performance advantages of WiFi 7 over previous generations.

Extensive Coverage and Device Capacity

With up to 2,000 sq. ft. of WiFi coverage, the RS90 ensures strong and reliable signals throughout your home, minimizing dead zones. It can handle up to 50 concurrent devices, providing ample capacity for smart homes with numerous connected gadgets, from smartphones and laptops to security cameras and smart TVs.



Figure 4: Visual representation of the Nighthawk RS90's extensive WiFi coverage.

NETGEAR Armor Security

The router comes with NETGEAR Armor powered by Bitdefender, offering a powerful suite of tools to keep your network and devices safe. This includes enhanced protection against hackers, malware, and identity theft. The Nighthawk app provides easy access to these security features, allowing you to manage your network's safety from anywhere.



Figure 5: Overview of NETGEAR Armor security features.

Maintenance

Firmware Updates

The Nighthawk RS90 router is designed to receive automatic firmware updates, ensuring that your device always has the latest security patches and performance enhancements. This helps maintain optimal functionality and protection without requiring manual intervention.

Rebooting the Router

Occasionally, rebooting your router can help resolve minor connectivity issues and improve performance. To reboot, simply unplug the power adapter from the router, wait for approximately 5 minutes, and then plug it back in. Allow the router's indicator lights to stabilize before attempting to reconnect devices.

Troubleshooting

Common Issues

- **Slow Speeds:** Ensure your internet speed plan matches the router's capabilities. Check for excessive simultaneous device usage.
- **Dropped Connections:** Verify router placement to minimize interference. Ensure firmware is up-to-date.
- **Setup Difficulties:** While the Nighthawk app simplifies setup, some users may prefer web browser-based configuration for advanced settings.

Expert Support

For any complex issues or personalized assistance, NETGEAR offers free expert help. You can call Asurion at**866-853-4942** for support to set up and optimize your NETGEAR router.

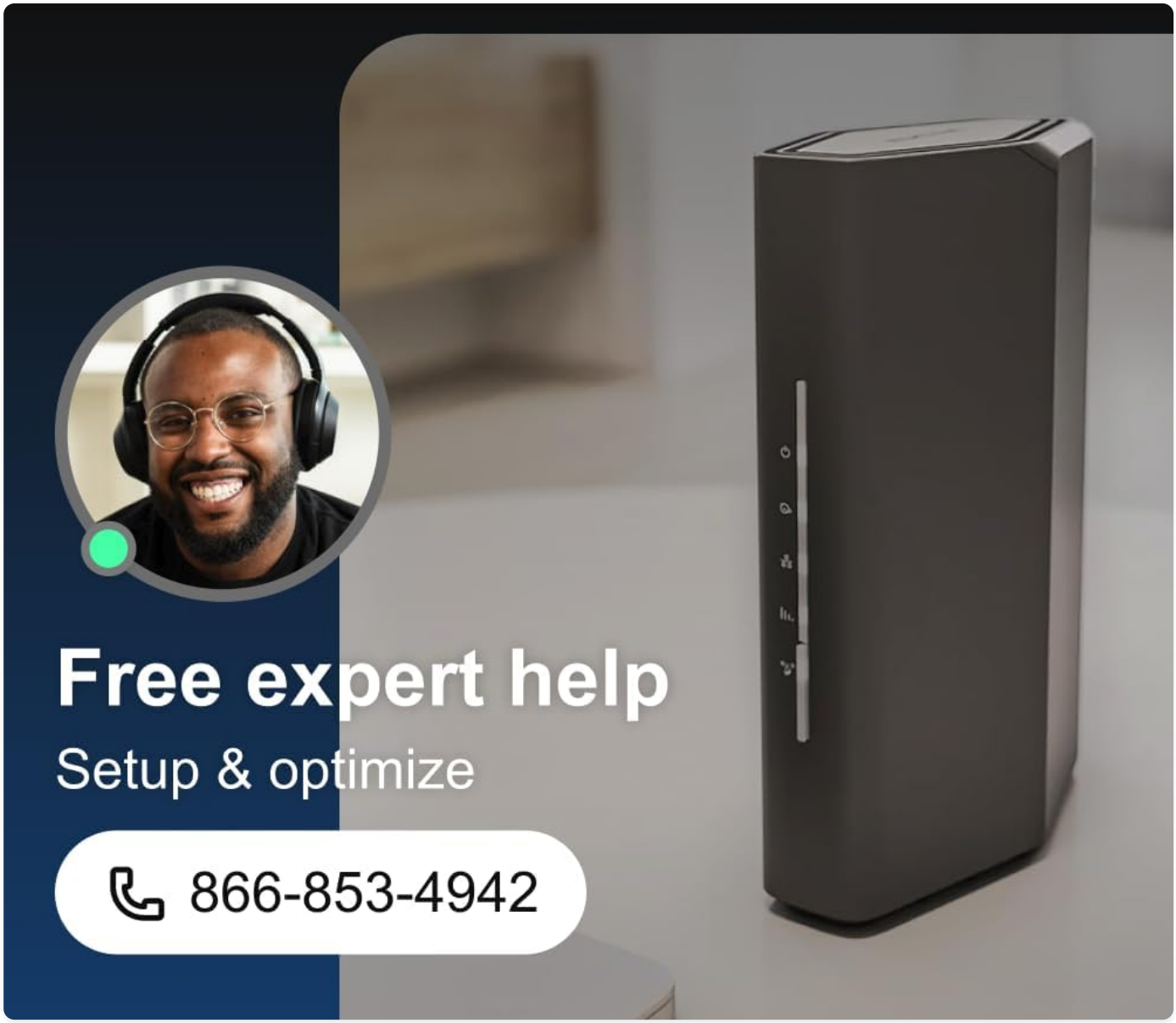


Figure 6: Contact information for free expert help with your NETGEAR router.

Specifications

Model Name	RS90-100NAS
Brand	NETGEAR
Wireless Speed	Up to 3.6 Gbps (WiFi 7)
WiFi Coverage	Up to 2,000 sq. ft.
Device Capacity	Up to 50 devices
Internet Port	2.5 Gig
LAN Ports	4 x 1 Gig Ethernet
Security Features	NETGEAR Armor (30-day trial included)
Dimensions	7.2 x 2.6 x 4.8 inches
Item Weight	1.81 pounds
Country of Origin	Thailand

Important Information

Usage Region

This product is made for use in the U.S. only.

Warranty and Support

For detailed warranty information and additional support resources, please refer to the official NETGEAR website or the documentation included with your product. A 30-day trial of NETGEAR Armor is included with your purchase.

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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