

NETGEAR RS280S Nighthawk WiFi 7 Tri-Band Router



NETGEAR RS280S Nighthawk WiFi 7 Tri-Band Router Owner’s Manual

[Home](#) » [NETGEAR](#) » NETGEAR RS280S Nighthawk WiFi 7 Tri-Band Router Owner’s Manual 

Contents

- 1 [NETGEAR RS280S Nighthawk WiFi 7 Tri-Band Router](#)
- 2 [Product Information](#)
- 3 [Product Usage Instructions](#)
- 4 [Frequently Asked Questions](#)
- 5 [Documents / Resources](#)
 - 5.1 [References](#)
- 6 [Related Posts](#)



NETGEAR RS280S Nighthawk WiFi 7 Tri-Band Router



Product Information

WiFi 7 from the Leader in WiFi Innovation

Leverage the power of WiFi 7 for speeds up to 9.2Gbps at 2.4x faster than WiFi 6 and 320MHz high-capacity channels for up to 100 devices. The Nighthawk® RS280S WiFi 7 Tri-band Router offers 3 bands of WiFi, including the ultra-fast 6GHz band for peak performance with less interference from neighbouring networks. The high-performance antenna design provides up to 2,500 sq. ft. WiFi coverage. Enjoy next-gen 4K/8K video streaming, gaming, video conferencing, security system, and smart home devices. NETGEAR Armor protects your family's WiFi by creating an automatic shield for all connected devices. 1-year subscription included.††

Key Features

- **WiFi 7 from the Leader in WiFi Innovation**— Nighthawk WiFi 7 is built on 25+ years of pioneering innovation and precision-engineered to NETGEAR's exacting quality standards, so you can enjoy all the benefits WiFi 7 has to offer.
- **Multi-Gig WiFi** —Blazing-fast WiFi 7 speeds up to 9.2Gbps† for gaming, smooth streaming, video conferencing, and entertainment.
- **More Capacity for Data-intensive Activities**— Connect up to 100 devices, like your security cameras, smart home devices, and speakers, while enjoying 4K/8K video streaming, online gaming and video conferencing.
- **Multi-Gig Speeds with 2.5GbE Internet Port**— Use the 2.5 Gig internet port for cable and fiber plans up to 2.5Gbps². Compatible with any internet service provider.
- **2.5GbE Wired Port and More**— Plug in wired devices to improve performance via two 2.5Gbps Ethernet LAN ports and two 1Gbps Ethernet LAN ports.
- **Lightspeed Performance**—6GHz WiFi band¹ provides an additional high-speed highway for enhanced performance.
- **Expansive Coverage**—Ultra-powerful antenna array provides coverage up to 2,500 sq. ft.
- **Nighthawk® App**—Easily set up your router, manage your network from anywhere, pause the Internet on your connected devices, run a quick Internet speed test, track your Internet data usage, set up separate guest networks, and more.
- **Comprehensive Features**—Use 3.0 USB to share files with any connected devices, use the VPN for secure access to your home network remotely, and more.

Technical Specifications

- Model: RS280S
- WiFi Standard: 802.11ax (WiFi 6)
- Warranty: 1-year limited warranty
- Security: NETGEAR Armor (free for 1 year)
- Parental Controls: NETGEAR Smart Parental Controls™ (fees apply for Premium Plan)
- WiFi 7 BE9200 Router Tri-band WiFi†
 - 2.4GHz (2×2), 0.6Gbps, 40MHz, 1024-QAM
 - 5GHz (2×2), 2.9Gbps, 160MHz, 4K-QAM
 - 6GHz¹ (2×2), 5.8Gbps, 320MHz, 4K-QAM
- MU-MIMO capable for simultaneous data streaming³
- Uplink & Downlink OFDMA⁴ for improved capacity and efficiency
- Antennas: Four (4) high-performance internal antennas and high-power amplifiers

- Memory—512MB NAND flash and 2GB RAM
- Powerful quad-core 2.0GHz processor
- Ports:
 - One (1) 2.5Gbps internet port
 - Two (2) 2.5Gbps Ethernet LAN ports
 - Two (2) 10/100/1000Mbps Gigabit Ethernet LAN ports
 - One (1) USB 3.0 port

Services & Security

- **NETGEAR Smart Parental Controls™∞**— Easily manage your kids' exposure and time online across all their connected devices and build healthy habits. Learn more at www.netgear.com/spc
- **NETGEAR Armor™ powered by Bitdefender®—Protects** your family's WiFi by creating an automatic shield for your connected devices. Real-time protection against hackers getting into devices like laptops, phones, security cameras, & door locks, as well as alerts when sensitive data may be stolen. 1-year subscription included.†† Learn more at www.netgear.com/armor
- **Standards-based WiFi Security** WPA, WPA2, and WPA3 with 128-bit AES encryption The auto-firmware update delivers latest security patches to the router automatically
- **VPN support**—Secured remote access to your home network
- Guest WiFi network makes it easy to set up separate & secure internet access for guests
- Stateful packet inspection (SPI) firewall blocks unintended access from the internet
- Access control prevents rogue devices from connecting to your network

Package Contents

- RS280S Router
- Power Adapter
- Ethernet Cable
- Installation Guide
- One (1) WiFi 7 Tri-Band Router (RS280)
- One (1) 2m Ethernet cable
- One (1) 12V/3.5A power adapter
- Quick start guide

Physical Specifications

- Dimensions: [Insert Dimensions]
- Weight: [Insert Weight]
- Color: [Insert Color]
- Dimensions: 9.8 x 5.9 x 4 in (249 x 150 x 101.6 mm)
Weight: 2.09 lb (.95 kg)

System Requirements

- Compatible with devices supporting 6GHz band
- Gigabit/Multi-Gig service plans & compatible cable modem required for high-speed internet
- Client devices must support MU-MIMO and DL/UL-OFDMA for enhanced performance
- Broadband internet service (DSL/cable/fiber/satellite)
- One DSL/cable/fiber/satellite modem that has an RJ45 connector
- Android® phones, iPhones®, or computers with Ethernet or WiFi connection

Warranty & Support

This product includes a 1-year limited warranty valid only if purchased from a NETGEAR-authorized reseller. For support, visit www.NETGEAR.com/support.

- One year technical support for Costco customers. Complimentary technical support following purchase from Costco. www.netgear.com/warranty
- Visit: www.netgear.com/home/services/prosupport to extend your warranty & technical support [U.S. only]
- Join the NETGEAR Community Forum. Visit <http://community.netgear.com>

Product Usage Instructions

Setting Up the RS280S Router

1. Connect the power adapter to the router and plug it into a power source.
2. Connect the router to your modem using the Ethernet cable.
3. Power on the router and wait for the LED indicators to show a stable connection.
4. Access the router settings through a web browser by entering the default IP address provided in the manual.
5. Follow the on-screen instructions to set up your WiFi network and secure it with a password.

Connection Diagram

[Insert Connection Diagram Image or Description]



This product comes with a NETGEAR 1-year limited warranty that is valid only if purchased from a NETGEAR

authorized reseller.


- Maximum wireless signal rate derived from IEEE 802.11be specifications. Actual data throughput and wireless coverage will vary and be lowered by network, your country's regulation, and environmental conditions, including network traffic volume, device limitations, and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. To achieve maximum wireless/wired speed requires devices that use the latest wireless/wired standards and support maximum speeds.
 - Clients must support 6GHz band. 6GHz band is limited to indoor range.
 - Gigabit/Multi-Gig service plans & compatible cable modem required for Gigabit or Multi-Gig Internet speeds.
 - MU-MIMO capability requires both router and client device to support MU-MIMO.
 - Requires compatible clients with DL-OFDMA and UL-OFDMA support.
- NETGEAR Armor is free during the initial 1-year free period. A yearly subscription, after the trial period, protects your connected devices. ∞NETGEAR Smart Parental Controls™ fees apply for a Premium Plan. NETGEAR, the NETGEAR Logo, NETGEAR Armor, NETGEAR Smart Parental Controls, and Nighthawk are trademarks of NETGEAR, Inc. Mac, Mac OS, the Mac logo, and iPhone are trademarks of Apple Inc. Any other trademarks mentioned herein are for reference purposes only. ©2024 NETGEAR, Inc. NETGEAR, Inc. 350 E. Plumeria Drive, San Jose, CA 95134-1911 USA, www.NETGEAR.com/support

Frequently Asked Questions

Q: How do I update the firmware of the RS280S Router?

A: To update the firmware, log in to the router's admin interface, navigate to the firmware update section, and follow the on-screen instructions to download and install the latest firmware version.

Documents / Resources

	NETGEAR RS280S Nighthawk WiFi 7 Tri-Band Router [pdf] Owner's Manual RS280S Nighthawk WiFi 7 Tri-Band Router, RS280S, Nighthawk WiFi 7 Tri-Band Router, WiFi 7 Tri-Band Router, Router
---	---

References

- [N English - NETGEAR Communities](#)
- [N NETGEAR Armor - Powered by BITDEFENDER - Premium Online Protection](#)
- [N NETGEAR ProSupport for Home | NETGEAR](#)
- [N Smart Parental Control | Internet Filter | Internet Safety | NETGEAR](#)
- [N NETGEAR Support | NETGEAR](#)
- [User Manual](#)

