

NETGEAR®
RAX36 Nighthawk AX4 4-
Stream AX3000 Wi-Fi Router



NETGEAR RAX36 Nighthawk AX4 4-Stream AX3000 Wi-Fi Router Owner's Manual

[Home](#) » [NETGEAR](#) » NETGEAR RAX36 Nighthawk AX4 4-Stream AX3000 Wi-Fi Router Owner's Manual 

Contents

- 1 [NETGEAR RAX36 Nighthawk AX4 4-Stream AX3000 Wi-Fi Router](#)
- 2 [INTRODUCTION](#)
- 3 [Key Features](#)
- 4 [Technical Specifications](#)
- 5 [Services & Security](#)
- 6 [Package Contents](#)
- 7 [System Requirements](#)
- 8 [Warranty & Support](#)
- 9 [Physical Specifications](#)
- 10 [Connection Diagram](#)
- 11 [Documents / Resources](#)
 - 11.1 [References](#)
- 12 [Related Posts](#)

NETGEAR®

NETGEAR RAX36 Nighthawk AX4 4-Stream AX3000 Wi-Fi Router



INTRODUCTION

Built with the latest generation WiFi 6 technology, the NETGEAR® Nighthawk® AX4 4-Stream AX3000 WiFi Router provides speeds up to 3 Gbps so you can connect, stream, and download faster to newer mobile devices. Powerful 1.7 GHz quad-core processor ensures superior performance for concurrent real-time applications such as multimedia streaming, online gaming, and audio/video chats. WiFi 6 technology is 2.7X the speed of the previous standards and 160 MHz channel support allows more devices to connect and stream simultaneously, without impacting speed or reliability.

Key Features

- **Super-Fast WiFi**—Up to 3 Gbps (600 Mbps + 2.4 Gbps)[†] wireless speeds. The Nighthawk AX4 Router supports WiFi 6 (802.11ax), the latest generation of WiFi technology. Enjoy smoother streaming of 4K UHD content to smart TVs, mobile devices, and gaming consoles.
- **Extended Range**—Up to 2,000 sq. ft. coverage
- **1 Gbps Speeds**—Ideal for service plans with up to 1 Gbps internet speeds.
- **WiFi 6 Supports All Current WiFi Devices**—Backwards compatible with WiFi 5 and earlier generation devices.
- **High-Performance Streaming and Gaming**—4-stream WiFi provides superior performance for concurrent real-time gaming and streaming.
- **More Simultaneous Connections**—OFDMA allows efficient data transmission at the same time.^{\$\$}
- **Powerful Quad-Core 1.7 GHz Processor**—Smooth 4K UHD streaming to smart TVs, mobile devices, and gaming consoles. Fully offloaded CPU increases the overall performance of the network.
- **More than 1 Gbps WiFi Speeds**—Gigabit WiFi connectivity. Enjoy blazing-fast connectivity to the newer Gigabit WiFi smartphones and laptops.
- **Four 1 Gigabit Ethernet LAN Ports**—Connect more wired devices for faster file transfer and fewer uninterrupted connections.
- **Maximize Range**—Three (3) high-performance external antennas extend wireless range indoors and out.

Technical Specifications

- WiFi 6 (802.11ax) dual band WiFi (AX3000)
 - 2.4 GHz AX: 2×2 (Tx/Rx) 1024-QAM 20/40 MHz, up to 600 Mbps
 - 5 GHz AX: 2×2 (Tx/Rx) 1024-QAM 20/40/80/160 MHz, up to 2.4 Gbps
 - Backwards compatible with 802.11n/ac WiFi
- Quad-core 1.7 GHz processor
- Memory—256 MB flash and 512 MB RAM
- Additional DFS channels reduces interference from neighboring networks
- Five (5) 10/100/1000Mbps Gigabit Ethernet ports: 1 Internet & 4 LAN
- OFDMA—Improved capacity and efficiency
- 1024-QAM—25% data efficiency and faster speeds than a 256-QAM router
- 160 MHz channel support**—Enjoy greater than 1 Gbps WiFi speeds for blazing-fast streaming and downloading to newer mobile devices
- Beamforming+ for additional reliability
- MU-MIMO†—Simultaneous streaming of data to multiple devices

Services & Security

- 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
- NETGEAR Smart Parental Controls™§—Easily manage your kids' exposure and time online across all their connected devices and build healthy habits wherever they are, with a Premium SPC subscription. 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 Learn more at: www.netgear.com/armor
- Supports WPA3, the latest and cutting-edge WiFi security protocol
- Standards-based WiFi security (802.11i, 128-bit AES encryption with PSK)
- The auto-firmware update delivers the latest security patches to the router
- VPN support—Secure access to your home network when away from home
- Guest WiFi network makes it easy to set up separate & secure Internet access for guests

Package Contents

- NETGEAR® Nighthawk® AX4/4-stream AX3000 WiFi 6 Router (RAX36)
- Ethernet cable
- Quick start guide
- Power adapter

System Requirements

- 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

- www.netgear.com/warranty
- Visit: www.netgear.com/home/services/prosupport to extend your warranty & technical support [U.S. only]
- 90-day complimentary technical support following purchase from a NETGEAR authorized reseller*
- Join the NETGEAR Community Forum. Visit <http://community.netgear.com>

Physical Specifications

- **Dimensions:** 9.27 x 7.26 x 2.25 in (236 x 184 x 57 mm)
- **Weight:** 1.1 lb (500 g)

Connection Diagram




This product comes with a limited warranty that is valid only if purchased from a NETGEAR-authorized reseller.

- 90-day complimentary technical support following purchase from a NETGEAR-authorized reseller.
- Maximum wireless signal rate derived from IEEE® 802.11 specifications. Actual data throughput and wireless coverage will vary and be lowered by network 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. Up to 3000 Mbps wireless speeds achieved when connecting to other 802.11ax 3000 Mbps devices.
- Requires client device that supports 160 MHz bandwidth on WiFi.
1NETGEAR Armor™ is free during the initial 30-day trial period. A yearly subscription, after the trial period, protects all of your connected devices.
- NETGEAR Smart Parental Controls™ Premium requires a paid subscription after the 30-day free trial. (No

credit card is required for the trial).

- Requires compatible AX clients with DL-OFDMA and UL-OFDMA support.
- As compared to an AC1200 2x2 router.
- 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

Documents / Resources

	NETGEAR RAX36 Nighthawk AX4 4-Stream AX3000 Wi-Fi Router [pdf] Owner's Manual RAX36 Nighthawk AX4 4-Stream AX3000 Wi-Fi Router, RAX36, Nighthawk AX4 4-Stream AX3000 Wi-Fi Router, AX4 4-Stream AX3000 Wi-Fi Router, 4-Stream AX3000 Wi-Fi Router, AX3000 Wi-Fi Router, Wi-Fi Router, Router
---	---

References

-  [English - NETGEAR Communities](#)
-  [NETGEAR Support | NETGEAR](#)
- [User Manual](#)

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.