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NETGEAR R6400-100NAS

NETGEAR R6400-100NAS AC1750 Smart Dual Band WiFi Router User Manual

Model: R6400-100NAS | Brand: NETGEAR

Product Overview

The NETGEAR AC1750 Smart Wi-Fi Router with external antennas delivers extremely fast Wi-Fi. With AC1750 Wi-Fi, Gigabit Ethernet speeds, and high-powered external antennas, this router offers ultimate performance in wireless coverage for large homes with 12 or more wireless devices. It gets 3x faster access than similar 802.11n.

What's in the Box

- Wireless router - 4-port switch (integrated)
- Network cable
- Software

Setup Instructions

Follow these general steps to set up your NETGEAR R6400-100NAS router. For detailed, step-by-step instructions, refer to the included Quick Start Guide or the Nighthawk App.

1. **Unpack the Router:** Carefully remove the router and all accessories from the packaging.
2. **Position the Router:** Place the router in a central location in your home, away from obstructions and other electronic devices that may cause interference.
3. **Connect to Modem:** Connect one end of the provided Ethernet cable to the yellow Internet (WAN) port on the router and the other end to your modem's Ethernet port.
4. **Power On:** Connect the power adapter to the router's power port and then plug it into an electrical outlet. Wait for the power LED on the router to turn solid green.
5. **Connect Devices:**

- **Wired Connection:** Connect your computer to one of the yellow Gigabit Ethernet LAN ports (1-4) on the router using an Ethernet cable.
- **Wireless Connection:** On your Wi-Fi enabled device (laptop, smartphone, tablet), search for the Wi-Fi network name (SSID) printed on the router's label. Select the network and enter the password (network key) also found on the router's label.

6. **Access Router Settings:** Open a web browser and type **routerlogin.net** or **192.168.1.1** into the address bar. Follow the on-screen instructions to complete the setup process, including setting up your new Wi-Fi network name and password.
7. **Use Nighthawk App:** Download the NETGEAR Nighthawk App from your mobile device's app store for an easier setup and management experience.

Your browser does not support the video tag.

Video: This video demonstrates how to log in to your NETGEAR router's web interface to manage settings.

Operating Your Router

The NETGEAR R6400-100NAS router offers several features to enhance your home network experience.

- **Dual Band Wi-Fi:** The router operates on both 2.4 GHz and 5 GHz frequencies.
  - The 2.4 GHz band provides wider coverage and is suitable for general internet use and older devices.
  - The 5 GHz band offers faster speeds and is ideal for bandwidth-intensive activities like HD streaming and online gaming, especially for newer devices.
- **Advanced QoS (Quality of Service):** This feature prioritizes network traffic to ensure smooth performance for critical applications like video streaming and gaming.

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Video: This video explains how NETGEAR's Dynamic QoS prioritizes network traffic for optimal performance.

- **Parental Controls:** Manage internet access and filter websites for all connected devices on your network. This feature helps ensure a safe online environment.
- **USB Ports:** The router includes one USB 2.0 port. You can connect a USB storage device to create a network-attached storage (NAS) for sharing files across your network or connect a USB printer for network printing.
- **Nighthawk App:** Use the Nighthawk App on your mobile device to easily set up, manage, and monitor your home network. You can pause internet access, run speed tests, and view connected devices.
- **Amazon Echo/Alexa Compatibility:** Control your home network using voice commands through compatible Amazon Echo or Alexa devices.

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Video: This video demonstrates how to use Amazon Alexa with NETGEAR Nighthawk Routers and Orbi WiFi Systems.

- **Plex Media Server Setup:** The router supports setting up a Plex Media Server, allowing you to organize and stream your media files from a connected USB storage device to various devices on your network.

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Video: Instructions on how to set up Plex Media Server on a NETGEAR Nighthawk X10 WiFi Router, demonstrating media sharing capabilities.

Product Media

Product Images



Front angled view of the NETGEAR R6400-100NAS AC1750 Smart Dual Band WiFi Router, showcasing its three external antennas and front panel indicator lights.



Top-down view of the NETGEAR R6400-100NAS router, highlighting the NETGEAR logo and the arrangement of its three external antennas.



Side angled view of the NETGEAR R6400-100NAS router, showing the ventilation grilles and the sleek design.



Rear view of the NETGEAR R6400-100NAS router, displaying the Ethernet ports (WAN and LAN), USB 2.0 port, and power input.

Official Product Videos

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Video: A teaser video for the NETGEAR Nighthawk X4S AC2600 WiFi Router with MU-MIMO technology, highlighting its advanced features.

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Video: A product tour of the AC5300 Nighthawk X8 Tri-Band WiFi Router by NETGEAR, showcasing its design and capabilities.

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Video: A product tour of the NETGEAR R9000 Nighthawk X10 AD7200 Smart WiFi Router, highlighting its features and design.

Technical Specifications

Feature	Detail
Wireless Type	802.11a/b/g/n/ac
Number of USB 2.0 Ports	1
Number of USB 3.0 Ports	1

Feature	Detail
Brand	NETGEAR
Series	R6400
Item model number	R6400-100NAS
Hardware Platform	PC
Operating System	Microsoft Windows 7, 8, 10, Vista, XP, 2000, Mac OS, UNIX, or Linux
Item Weight	15.2 ounces
Product Dimensions	12.91 x 9.84 x 3.74 inches
Color	Black
Voltage	100 Volts
Manufacturer	Netgear Inc
Date First Available	June 22, 2015
Special Feature	QoS, WPS
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11a/b/g/n/ac
Compatible Devices	PC, Mac, Unix
Frequency	5 GHz
Recommended Uses For Product	Gaming, Home
Included Components	Network cable, Software, Wireless router - 4-port switch (integrated)
Connectivity Technology	wireless

Maintenance

Regular maintenance helps ensure optimal performance and longevity of your router.

- **Firmware Updates:** Periodically check for and install firmware updates. These updates often include performance improvements, security patches, and new features. You can usually find these in the router's web interface or via the Nighthawk App.
- **Physical Cleaning:** Keep the router clean and free from dust. Dust can accumulate in ventilation openings and lead to overheating. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners.
- **Restarting the Router:** If you experience network issues, a simple restart can often resolve them. Unplug the power adapter, wait 10-15 seconds, and then plug it back in.
- **Secure Your Network:** Regularly review your Wi-Fi password and consider changing it periodically. Ensure WPA2 or WPA3 encryption is enabled for maximum security.

Troubleshooting

This section provides solutions to common issues. For more complex problems, refer to the official NETGEAR support resources.

- **No Internet Connection:**
  - Check all cable connections, ensuring they are secure.
  - Restart your modem and router.
  - Verify your Internet Service Provider (ISP) is not experiencing an outage.
- **Slow Wi-Fi Speed:**
  - Ensure your devices are connected to the appropriate Wi-Fi band (5 GHz for faster speeds).
  - Reduce interference by moving the router away from other electronics.
  - Check for firmware updates.
  - Limit the number of active devices or bandwidth-intensive applications.
- **Cannot Access Router Settings:**
  - Ensure your device is connected to the router's network (wired or wireless).
  - Try accessing **routerlogin.net** or **192.168.1.1** in your web browser.
  - Clear your browser's cache and cookies.
- **Forgotten Wi-Fi Password:**
  - The default password is on the router's label.
  - You can retrieve or change the password through the router's web interface or Nighthawk App.

Warranty and Support

Information regarding product warranty and detailed technical support is not provided within this manual. Please refer to the official NETGEAR website or the documentation included with your purchase for the most up-to-date warranty terms and support contact information.
You can typically find support resources, FAQs, and driver/firmware downloads on the manufacturer's product support page for the R6400-100NAS model.

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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.

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