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› Netgear R6400 AC1750 Smart Wi-Fi Router (R6400-100NAS) Black - New Instruction Manual

## NETGEAR R6400-100NAS

# NETGEAR R6400 AC1750 Smart Wi-Fi Router Instruction Manual

Model: R6400-100NAS | Brand: NETGEAR

## INTRODUCTION

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This manual provides comprehensive instructions for setting up, operating, and maintaining your NETGEAR R6400 AC1750 Smart Wi-Fi Router. Designed for enhanced Wi-Fi performance, this router features high-powered amplifiers, simultaneous dual-band support (2.4 GHz and 5 GHz), and robust security features including Double Firewall Protection and WPA/WPA2-PSK Encryption. It is equipped with multiple Gigabit Ethernet ports and USB ports for versatile connectivity. Please read this manual thoroughly to ensure optimal performance and secure usage of your device.

## PRODUCT OVERVIEW

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**Front View:** Displays the NETGEAR logo, status indicator lights for power, internet, Wi-Fi bands (2.4GHz and 5GHz), USB, and Ethernet ports, along with a USB 3.0 storage port.



**Rear View:** Shows the four Gigabit Ethernet LAN ports, one WAN (Internet) port, USB 2.0 printer port, power on/off button, power input, and the reset button. Three adjustable antennas are also visible.



**NETGEAR Genie Interface (Laptop):** A screenshot of the intuitive NETGEAR Genie web interface, providing easy access to router settings, Wi-Fi connection status, network map, parental controls, and ReadySHARE features.



**NETGEAR Genie App Interface (Smartphone):** A view of the mobile application for NETGEAR Genie, allowing convenient management of wireless settings, guest access, network map, parental controls, traffic meter, and media sharing from your smartphone.

## Initial Setup

1. **Positioning the Router:** Place your router in a central location to maximize Wi-Fi coverage throughout your home or office. Avoid placing it near large metal objects, concrete walls, or other electronic devices that may cause interference.
2. **Connect to Power:** Plug the power adapter into the router's power port and then into a wall outlet. Press the Power On/Off button if necessary. Wait for the Power LED on the front of the router to turn solid green.
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. Wait for the Internet LED to turn solid green.
4. **Connect Devices:**
  - **Wired Connection:** For wired devices like desktop computers or gaming consoles, connect an Ethernet cable from the device to any of the four yellow Gigabit Ethernet LAN ports on the router.
  - **Wireless Connection:** On your Wi-Fi enabled device (laptop, smartphone, tablet), search for available Wi-Fi networks. Select the NETGEAR network name (SSID) found on the router's label. Enter the Wi-Fi password (Network Key) also found on the label.
5. **Access NETGEAR Genie:** Open a web browser and type [routerlogin.net](http://routerlogin.net) or [www.routerlogin.com](http://www.routerlogin.com) into the address bar. Follow the on-screen instructions to complete the setup process, including changing the default administrator password and Wi-Fi network name/password for security.

## OPERATING INSTRUCTIONS

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### Dual-Band Wi-Fi

The R6400 router operates on two distinct Wi-Fi bands: 2.4 GHz and 5 GHz. The **2.4 GHz band** offers wider coverage and better penetration through walls, ideal for general internet use like browsing and email. The **5 GHz band** provides faster speeds and less interference, perfect for high-bandwidth activities such as online gaming and HD video streaming. You can connect different devices to different bands based on their needs and proximity to the router.

### Parental Controls

Utilize the built-in parental control features to manage internet access for connected devices. This allows you to filter content, set time limits, and pause internet access for specific devices or profiles. Access these settings through the NETGEAR Genie interface or the Nighthawk app.

### Device Compatibility

The NETGEAR R6400 is compatible with a wide range of devices, including laptops, personal computers, smartphones, and tablets. Its simultaneous dual-band support ensures optimal performance across various devices and applications, from streaming your favorite shows to online gaming.

## MAINTENANCE

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- **Firmware Updates:** Regularly check for and install firmware updates through the NETGEAR Genie interface. Firmware updates often include security patches, performance improvements, and new features.
- **Physical Cleaning:** Keep the router clean and free from dust accumulation, especially around ventilation areas, to prevent overheating and ensure optimal performance. Use a soft, dry cloth for cleaning.
- **Optimal Placement:** Ensure the router remains in an open, central location, away from obstructions and interference.

sources, to maintain strong Wi-Fi signals.

- **Regular Reboots:** Periodically reboot your router (unplug from power for 10 seconds, then plug back in) to clear its memory and refresh network connections, which can resolve minor performance issues.

## TROUBLESHOOTING

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Problem	Possible Solution
No Internet Connection	<ul style="list-style-type: none"><li>• Check if the modem is working correctly.</li><li>• Ensure the Ethernet cable from the modem is securely connected to the router's yellow Internet (WAN) port.</li><li>• Reboot both the modem and the router.</li></ul>
Weak Wi-Fi Signal	<ul style="list-style-type: none"><li>• Relocate the router to a more central position.</li><li>• Minimize obstructions (walls, large furniture) between the router and devices.</li><li>• Adjust the router's antennas for better signal direction.</li><li>• Consider using a Wi-Fi extender for larger areas.</li></ul>
Cannot Access Router Settings	<ul style="list-style-type: none"><li>• Ensure your device is connected to the router's network (wired or wireless).</li><li>• Verify you are typing <a href="http://routerlogin.net">routerlogin.net</a> or <a href="http://www.routerlogin.com">www.routerlogin.com</a> correctly in the browser.</li><li>• Clear your browser's cache and cookies.</li><li>• Try a different web browser.</li></ul>
Forgotten Wi-Fi Password or Admin Password	<ul style="list-style-type: none"><li>• The default Wi-Fi password and admin credentials are on the router's label.</li><li>• If changed and forgotten, perform a factory reset (press and hold the reset button for 10 seconds) to revert to default settings. Note: This will erase all custom configurations.</li></ul>

## TECHNICAL SPECIFICATIONS

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Feature	Detail
Wireless Type	5 GHz Radio Frequency
Model Name	R6400
Item Model Number	R6400-100NAS
Operating System	Netgear Genie
Item Weight	1.58 pounds
Product Dimensions	9.84 x 7.24 x 1.97 inches
Voltage	100-240 Volts
Ethernet Ports	5 x 10/100/1000 Mbps (4 LAN, 1 WAN)
USB Ports	1 x USB 3.0, 1 x USB 2.0
Security	Double Firewall Protection, WPA/WPA2-PSK Encryption
Antenna Type	Fixed (Adjustable)

## WARRANTY AND SUPPORT

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For detailed warranty information, please refer to the warranty card included with your product or visit the official NETGEAR support website. NETGEAR provides technical support and resources to assist with setup, troubleshooting, and general inquiries. You can find FAQs, firmware downloads, and community forums on their website.

**Online Support:** [www.netgear.com/support/](http://www.netgear.com/support/)