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› NETGEAR Nighthawk AX3000 Wi-Fi 6 Router (RAX35-100NAS) User Manual

## NETGEAR RAX35-100NAS

# NETGEAR Nighthawk AX3000 Wi-Fi 6 Router (RAX35-100NAS) User Manual

Model: RAX35-100NAS

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## INTRODUCTION

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This manual provides instructions for setting up, operating, and maintaining your NETGEAR Nighthawk AX3000 Wi-Fi 6 Router (Model RAX35-100NAS). This device is designed to provide high-speed wireless internet connectivity for your home or office network.



Front view of the NETGEAR Nighthawk AX3000 Wi-Fi 6 Router, showing LED indicators and the Nighthawk logo.

## PACKAGE CONTENTS

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Verify that your package contains the following items:

- NETGEAR Nighthawk AX3000 Wi-Fi 6 Router (RAX35-100NAS)
- Ethernet Cable
- Power Adapter

## SETUP INSTRUCTIONS

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### 1. Position Your Router

Place your router in a central location to ensure optimal Wi-Fi coverage throughout your home. Avoid placing it near large metal objects, concrete walls, or other devices that may cause interference.

## 2. Connect to Your Modem

1. Power off your modem and remove its battery if applicable.
2. Connect one end of the provided Ethernet cable to the yellow Internet (WAN) port on the back of your RAX35 router.
3. Connect the other end of the Ethernet cable to the Ethernet port on your modem.
4. Power on your modem and wait for it to fully boot up (typically indicated by stable status lights).



Rear view of the router, highlighting the yellow Internet (WAN) port and four Gigabit Ethernet LAN ports.

## 3. Power On the Router

1. Connect the power adapter to the router's power port.
2. Plug the power adapter into a wall outlet.
3. Wait for the router's power LED to turn solid white. This may take a few minutes.

## 4. Connect to the Router's Wi-Fi Network

Locate the Wi-Fi network name (SSID) and password on the label on the bottom or back of your router. Use a computer or mobile device to connect to this network.

## 5. Complete Setup Using the Nighthawk App

For the easiest setup, download the NETGEAR Nighthawk app on your mobile device. The app will guide you through the remaining steps, including creating a NETGEAR account and customizing your Wi-Fi settings.

- Download the NETGEAR Nighthawk App from your device's app store.
- Launch the app and follow the on-screen instructions to set up your router.



The NETGEAR Nighthawk app interface on a smartphone, showing options for WiFi Settings, Device List, Guest WiFi, and Parental Controls.

## OPERATING INSTRUCTIONS

### Connecting Devices

You can connect devices to your router wirelessly or via Ethernet cable.

## Wireless Connection (Wi-Fi)

1. On your device (computer, smartphone, tablet), open your Wi-Fi settings.
2. Select your router's Wi-Fi network name (SSID) from the list of available networks.
3. Enter the Wi-Fi password when prompted. This information is on the router's label.

## Wired Connection (Ethernet)

For devices requiring a stable, high-speed connection, use an Ethernet cable.

1. Connect one end of an Ethernet cable to an available LAN port (ports 1-4) on the back of your router.
2. Connect the other end of the Ethernet cable to the Ethernet port on your device (e.g., computer, gaming console, smart TV).

## Router Features

- **Dual-Band Wi-Fi 6:** Supports both 2.4 GHz and 5 GHz bands for flexible device connections and faster speeds.
- **4 Gigabit Ethernet Ports:** Provides wired connections for up to four devices.
- **Beamforming+:** Improves Wi-Fi range and performance by focusing Wi-Fi signals towards connected devices.
- **OFDMA:** Enhances network efficiency for multiple devices simultaneously.
- **Alexa Compatible:** Allows voice control for certain router functions.

## MAINTENANCE

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### Firmware Updates

Regularly update your router's firmware to ensure optimal performance, security, and access to new features. You can check for updates through the Nighthawk app or the router's web interface.

1. Open the Nighthawk app or access the router's web interface by typing `routerlogin.net` or the router's IP address (e.g., 192.168.1.1) into a web browser.
2. Log in with your administrator credentials.
3. Navigate to the Firmware Update section (location may vary).
4. Follow the on-screen instructions to check for and install any available updates. Do not power off the router during an update.

### Restarting the Router

Periodically restarting your router can help resolve minor connectivity issues and improve performance. To restart:

1. Unplug the power adapter from the router.
2. Wait for 10-15 seconds.
3. Plug the power adapter back in.
4. Wait for the router to fully boot up.

### Cleaning

Use a soft, dry cloth to clean the exterior of the router. Do not use liquid cleaners or aerosols.

## TROUBLESHOOTING

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## No Internet Connection

- **Check Cables:** Ensure all Ethernet cables are securely connected to the router and modem.
- **Restart Devices:** Power cycle your modem first, then your router, and then your connected devices.
- **Modem Status:** Verify that your modem's indicator lights show a stable internet connection.
- **ISP Issue:** Contact your Internet Service Provider (ISP) to check for service outages in your area.

## Slow Wi-Fi Speed

- **Router Placement:** Ensure the router is centrally located and not obstructed.
- **Interference:** Move the router away from other electronic devices (e.g., cordless phones, microwaves) that may cause interference.
- **Firmware:** Ensure your router's firmware is up to date.
- **Device Compatibility:** Ensure your devices support Wi-Fi 6 for optimal performance.
- **Network Congestion:** Reduce the number of active devices or bandwidth-intensive activities.

## Cannot Access Router Settings

- **Correct Address:** Ensure you are typing routerlogin.net or the correct IP address (e.g., 192.168.1.1) into your browser.
- **Credentials:** Verify your administrator username and password. If forgotten, you may need to perform a factory reset.
- **Factory Reset:** To perform a factory reset, use a paperclip to press and hold the Reset button on the back of the router for about 7-10 seconds until the power LED blinks. **Warning:** A factory reset will erase all custom settings and restore the router to its default configuration.

## SPECIFICATIONS

Brand	NETGEAR
Model Name	Nighthawk RAX35
Model Number	RAX35-100NAS
Wireless Standard	802.11ax (Wi-Fi 6)
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Data Transfer Rate	Up to 3 Gigabits Per Second (AX3000)
Ethernet Ports	4 x 1 Gigabit LAN Ports, 1 x 1 Gigabit WAN Port
Antennas	2 Fixed Antennas
Coverage	Up to 1500 square feet
Security Protocol	WPA2
Special Features	Alexa Compatible, Beamforming+, OFDMA, LED Indicator, WPS
Included Components	Router, Ethernet Cord, Power Adapter
Voltage	100-240 Volts
Item Weight	16 ounces

## WARRANTY & SUPPORT

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## Warranty Information

This NETGEAR Nighthawk AX3000 Wi-Fi 6 Router (RAX35-100NAS) comes with a **90-day limited warranty**. Please retain your proof of purchase for warranty claims.

## Technical Support

For further assistance, troubleshooting, or to access the latest documentation, please visit the official NETGEAR support website:

### **NETGEAR Support Website**

You can also find helpful resources and community forums on the NETGEAR website.

