NETGEAR RBE972S-100NAS

NETGEAR Orbi 970 Series Quad-Band WiFi 7 Mesh Network System

Model: RBE972S-100NAS
Brand: NETGEAR

1. Product Overview

The NETGEAR Orbi 970 Series Quad-Band WiFi 7 Mesh Network System is engineered for a new era of entertainment, hybrid work, and smart home convenience. This system delivers unparalleled performance and extensive coverage throughout your home.
Key features include:

- **Unparalleled Speed:** WiFi 7 unleashes speeds up to 27Gbps, 2.4x faster than WiFi 6, while remaining fully backward compatible with older WiFi devices.
- **Exceptional Coverage:** Designed for 360° WiFi coverage across every corner of your home, regardless of the layout, covering up to 6,600 sq. ft.
- **Enhanced Dedicated Backhaul:** Exclusive, patented Quad-Band technology with Enhanced Dedicated Backhaul ensures WiFi stays fast across all devices simultaneously.
- **High Device Capacity:** Supports up to 200 devices for seamless 8K streaming, video conferencing, gaming, VR, and more.
- **Multi-Gig Internet Port:** Features a 10 Gig internet port to support the fastest speeds available from your internet service provider.
- **Advanced Ethernet Ports:** Includes 2 x 10Gbps and 6 x 2.5Gbps Ethernet ports for unbeatable speed and reliability for wired connections.
- **Robust Security:** Comes with a 1-year subscription of NETGEAR Armor, providing all-in-one internet security protection for your connected devices.



Image: The NETGEAR Orbi 970 Series WiFi 7 Mesh Network System, showing the router and satellite units.

2. What's in the Box

Your NETGEAR Orbi 970 Series package includes the following components:

- One (1) Orbi WiFi 7 Router (RBE971)
- One (1) Orbi WiFi 7 Satellite (RBE970)

- One (1) 2m Ethernet cable
- Two (2) power adapters
- Quick start guide

3. Setup Guide

Setting up your Orbi WiFi 7 Mesh Network System is a straightforward process designed for quick and easy installation. For detailed, step-by-step instructions, please refer to the official User Manual (PDF).
A general overview of the setup process includes:

1. **Unpack Components:** Carefully remove all items from the box and ensure all listed components are present.
2. **Position Orbi Units:** Place the Orbi Router near your modem and the Orbi Satellite in a central location within your home for optimal coverage. Avoid placing units near large metal objects or appliances that may cause interference.
3. **Connect Router:** Connect your internet modem to the Orbi Router's 10 Gig Internet port using the provided Ethernet cable. Plug in the power adapter to the router.
4. **Connect Satellite:** Plug in the power adapter to the Orbi Satellite. The satellite will automatically attempt to sync with the router.
5. **Download Orbi App:** Download the NETGEAR Orbi app on your mobile device from your device's app store.
6. **Follow App Instructions:** Launch the Orbi app and follow the on-screen prompts to complete the network setup, including naming your WiFi network and setting up security.



Image: Rear view of the Orbi router, highlighting the 10 Gig Internet and LAN ports for wired connections.

4. Operating Your Orbi System

Once your Orbi system is set up, it provides a seamless and powerful WiFi experience. The Quad-Band technology and dedicated backhaul ensure consistent high speeds across all your connected devices.

- **Connecting Devices:** Your devices will automatically connect to the strongest Orbi signal. You can manage connected devices through the Orbi app.
- **Network Management:** Use the Orbi app to monitor your network status, view connected devices, run speed tests, and manage guest networks.
- **Optimized Performance:** The Orbi 970 Series is optimized for demanding applications such as 8K streaming, online gaming, and virtual reality, ensuring a smooth experience even with multiple users.
- **Smart Home Integration:** Connect hundreds of smart home devices without experiencing slowdowns, thanks to the system's high capacity.



Image: An entertainment room setup demonstrating the Orbi system's capability to handle 4K/8K streaming and up to 200 devices simultaneously.

5. Maintenance

To ensure your Orbi system continues to perform optimally and remains secure, regular maintenance is recommended:

- **Automatic Firmware Updates:** Your Orbi system is designed to receive automatic firmware updates to ensure it has the latest features, bug fixes, and security enhancements. Ensure this feature is enabled in the Orbi app.
- **Optimal Placement:** Periodically check that your Orbi units are placed in open areas, away from obstructions and other electronic devices that could cause interference.
- **Cleaning:** Keep the units clean and dust-free to prevent overheating and maintain performance. Use a soft, dry cloth for cleaning.

6. Troubleshooting

If you encounter any issues with your Orbi WiFi 7 Mesh Network System, consider the following basic troubleshooting

steps:

- **Restart System:** Power cycle both your Orbi Router and Satellite units by unplugging them from the power outlet for 30 seconds, then plugging them back in.
- **Check Connections:** Ensure all Ethernet cables are securely connected to the correct ports on your modem, router, and any wired devices.
- **Orbi App Diagnostics:** Utilize the diagnostic tools available within the Orbi app to identify and resolve common network issues.
- **Firmware Update:** Verify that your system is running the latest firmware version. Update if necessary via the Orbi app.
- **Reset to Factory Settings:** As a last resort, you may perform a factory reset.*Note: This will erase all your custom settings, and you will need to set up the system again.*

For more comprehensive troubleshooting guides and solutions, please refer to the detailedUser Manual (PDF) or visit the NETGEAR support website.

7. Specifications

Feature	Detail
Model Name	RBE972S
Package Dimensions	12.5 x 11.6 x 9 inches
Item Weight	11.62 pounds
Frequency Band Class	Quad-Band
Wireless Communication Standard	802.11.be (WiFi 7)
Compatible Devices	Personal Computer, Smart Devices
Connectivity Technology	Wi-Fi, Ethernet
Internet Port	1 x 10 Gig Internet Port
Ethernet LAN Ports	2 x 10Gbps, 6 x 2.5Gbps
Coverage	Up to 6,600 sq. ft.
Device Capacity	Up to 200 devices

8. Warranty and Support

Your NETGEAR Orbi 970 Series Mesh Network System comes with comprehensive support and security features:

- **NETGEAR Armor:** A 1-year subscription to NETGEAR Armor is included, providing advanced cybersecurity protection for all devices connected to your network. This all-in-one internet security solution is powered by Bitdefender.
- **NETGEAR Smart Parental Controls:** Manage your kids' online time and access across their connected devices.
- **Technical Support:** For any technical assistance, please refer to the contact information provided in your Quick Start Guide or visit the official NETGEAR support website for 24/7 technical support.



Image: An illustration detailing the benefits of NETGEAR Armor, including cybersecurity, VPN, extended warranty, and priority support.

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For the most up-to-date information and support, please visit www.netgear.com

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question