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› NETGEAR Orbi 770 Series Tri-Band WiFi 7 Mesh Network System (RBE773) Instruction Manual

NETGEAR RBE773-100NAS

NETGEAR Orbi 770 Series Tri-Band WiFi 7 Mesh Network System

Model: RBE773-100NAS

1. INTRODUCTION

The NETGEAR Orbi 770 Series Tri-Band WiFi 7 Mesh Network System is designed to provide high-speed, reliable WiFi coverage throughout your home. This system utilizes WiFi 7 technology to deliver speeds up to 11Gbps, offering 2.4 times faster performance than WiFi 6. It ensures exceptional 360-degree WiFi coverage, making it suitable for large homes and multiple devices. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Orbi WiFi 7 system.



Image 1.1: The NETGEAR Orbi 770 Series Tri-Band WiFi 7 Mesh Network System, consisting of one router and two satellite extenders.

2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- One (1) Orbi WiFi 7 Router (RBE771)
- Two (2) Orbi WiFi 7 Satellites (RBE770)
- One (1) 2m Ethernet cable
- Three (3) power adapters
- Quick start guide

3. KEY FEATURES

The Orbi 770 Series offers advanced features for an optimized network experience:

- **WiFi 7 Technology:** Delivers speeds up to 11Gbps, 2.4x faster than WiFi 6, and is fully backward compatible with older WiFi devices.
- **Extensive Coverage:** Provides up to 8,000 sq. ft. of WiFi coverage, ensuring connectivity across large homes.
- **Tri-band Technology:** Enhanced Backhaul ensures consistent fast WiFi across all connected devices simultaneously.
- **Multi-Gig Internet Port:** Features a 2.5 Gig internet port supporting blazing fast internet plans up to 2.5Gbps.
- **Multiple Ethernet Ports:** Includes 3 x 2.5Gbps Ethernet ports on the router and 2 x 2.5Gbps Ethernet ports on each satellite for reliable wired connections.
- **Advanced Security:** Built-in security measures, automatic firmware updates, and a 30-day trial of NETGEAR Armor for enhanced protection against online threats.
- **High Device Capacity:** Supports up to 100 devices simultaneously for flawless 4K/8K streaming, video conferencing, and gaming.
- **Easy Management:** Setup and management are simplified through the Orbi app, compatible with any internet service provider.

A close-up, artistic view of the Orbi WiFi 7 RBE773 router, showing its sleek, white, curved design with a dark, recessed area on the side.

orbi | WiFi 7

RBE773

Up to 11Gbps

Streaming speed

Up to 8,000 sq. ft.

WiFi coverage

2.5 Gig

Internet port

NETGEAR Armor

30-day trial included

Image 3.1: Overview of the Orbi WiFi 7 RBE773's core capabilities, including speed, coverage, internet port, and security features.

2.5 Gig ports support fast wired connections & internet plans up to 2.5Gbps

2.5 Gig Internet port
for blazing fast internet plans up to 2.5Gbps

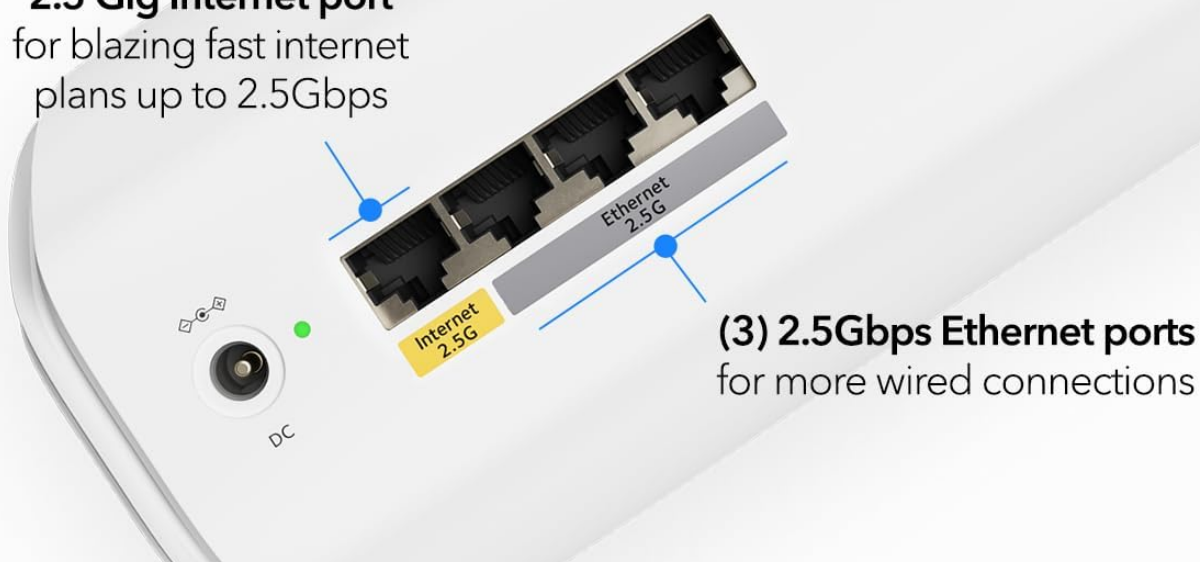


Image 3.2: Illustration of the 2.5 Gig Internet port and additional 2.5Gbps Ethernet ports for wired connections on the Orbi units.

4. SETUP

Follow these steps to set up your NETGEAR Orbi WiFi 7 Mesh Network System:

1. **Download the Orbi App:** Search for "NETGEAR Orbi" in your mobile device's app store and download the application. The app will guide you through the installation process.
2. **Position Your Orbi Router:** Place the Orbi router (RBE771) in a central location in your home, preferably near your internet modem. Connect your modem to the 2.5 Gig Internet port on the Orbi router using the provided Ethernet cable.
3. **Power On the Router:** Connect the power adapter to the Orbi router and plug it into a power outlet. Wait for the router's LED light to stabilize, indicating it's ready.
4. **Add Orbi Satellites:** Place the Orbi satellites (RBE770) in locations that provide optimal coverage, typically equidistant from the router and each other. Plug in their power adapters. The Orbi app will assist in finding the best placement and connecting the satellites to the router.
5. **Follow App Instructions:** Use the Orbi app to create your WiFi network name (SSID) and password. The app

will automatically detect and configure your Orbi system.

6. **Connect Devices:** Once the setup is complete, connect your WiFi-enabled devices to your new Orbi network.



Image 4.1: The Orbi app facilitates easy setup and management of your home network.

5. OPERATING INSTRUCTIONS

Your Orbi system is designed for seamless operation. Here are key aspects of managing your network:

5.1 Network Management via Orbi App

The Orbi app provides comprehensive control over your mesh network:

- **Device Manager:** View all connected devices, pause internet access for specific devices, and prioritize bandwidth.
- **Internet Speed Test:** Run speed tests to monitor your internet connection performance.
- **Network Map:** Visualize your Orbi system's layout and connection status.
- **WiFi Settings:** Modify your WiFi name, password, and security settings.

5.2 Creating Separate Networks

The Orbi system allows you to create multiple distinct WiFi networks to optimize performance and security:

- **Home Network:** Your primary network for trusted devices requiring high performance.
- **Guest Network:** A separate, isolated network for visitors, preventing them from accessing your main network devices.
- **IoT Network:** A dedicated network for smart home devices (Internet of Things), enhancing security and reducing potential congestion on your main network.

Create separate networks to optimize overall performance



Image 5.1: The Orbi system supports creating multiple WiFi networks for optimized performance and security.

6. MAINTENANCE

Regular maintenance ensures optimal performance and security for your Orbi system:

- **Automatic Firmware Updates:** Ensure that automatic firmware updates are enabled in the Orbi app or web interface. This keeps your system secure and up-to-date with the latest features and performance improvements.
- **Physical Cleaning:** Periodically clean the exterior of your Orbi units with a soft, dry cloth to prevent dust buildup, which can affect performance. Ensure units are unplugged before cleaning.
- **Restarting the System:** If you experience minor connectivity issues, a simple restart of the Orbi router and satellites can often resolve them. Unplug the power adapters, wait 10 seconds, and then plug them back in.
- **Monitor Network Health:** Use the Orbi app to regularly check the status of your network and connected devices.

7. TROUBLESHOOTING

If you encounter issues with your Orbi WiFi 7 system, consider the following troubleshooting steps:

7.1 No Internet Connection

- **Check Modem:** Ensure your internet modem is working correctly and has an active internet connection.
- **Cable Connections:** Verify that all Ethernet cables are securely connected between your modem and the Orbi router, and between Orbi units if using wired backhaul.
- **Restart System:** Power cycle your modem, then your Orbi router, and finally your Orbi satellites. Wait for each device to fully boot up before proceeding to the next.

7.2 Poor WiFi Signal or Slow Speeds

- **Satellite Placement:** Ensure your Orbi satellites are optimally placed. Use the Orbi app's placement guide to find ideal locations, avoiding physical obstructions like thick walls or large appliances.
- **Interference:** Move Orbi units away from other electronic devices that might cause interference (e.g., microwaves, cordless phones).
- **Device Compatibility:** Ensure your devices support WiFi 7 or WiFi 6 for optimal performance. Older devices will connect but at their maximum supported speed.

7.3 Satellite Not Syncing

- **Proximity:** Move the satellite closer to the Orbi router during the initial syncing process. Once synced, you can move it to its desired location.
- **Firmware Mismatch:** In rare cases, a new satellite might have older firmware. Connect the satellite directly to the router via Ethernet, access its web interface (usually 192.168.1.1 or the IP address shown in the Orbi app's attached devices list), and manually update its firmware to match your router's version.
- **Factory Reset:** As a last resort, perform a factory reset on the problematic unit. Refer to the quick start guide for instructions on how to perform a factory reset. Note that this will erase all custom settings.

8. SPECIFICATIONS

Feature	Description
Model Number	RBE773-100NAS
Wireless Standard	802.11be (WiFi 7)
Frequency Band Class	Tri-Band
Max Wireless Speed	Up to 11 Gbps
WiFi Coverage	Up to 8,000 sq. ft.
Concurrent Devices	Up to 100
Internet Port	1 x 2.5 Gig Ethernet WAN
LAN Ports (Router)	3 x 2.5 Gbps Ethernet LAN
LAN Ports (Satellite)	2 x 2.5 Gbps Ethernet LAN per satellite
Dimensions (per unit)	9.88 x 5.28 x 3.95 inches
Item Weight	11.29 pounds (total package)
Operating System	NETGEAR's proprietary firmware (based on Linux)
Special Features	Internet Security, IoT Network, Parental Control, VPN, WPA3

9. WARRANTY AND SUPPORT

NETGEAR provides support and warranty for the Orbi 770 Series system:

- **Warranty:** Refer to the warranty information included with your product or visit the official NETGEAR website for details on warranty coverage.
- **NETGEAR Armor:** Your system includes a 30-day trial of NETGEAR Armor, powered by Bitdefender. This suite of tools provides cybersecurity, VPN, and other enhanced security features. After the trial, a subscription is required to continue these services.
- **Technical Support:** For technical assistance, visit the NETGEAR support website or contact their customer service. Support options may vary based on your region and product registration.

NETGEAR[®]
ARMOR[™]

POWERED BY
Bitdefender[®]

A powerful suite of tools to help keep you safe online. Includes 30-day trial.

✓ Cybersecurity

✓ VPN

✓ Extended Warranty

✓ Priority Support



Image 9.1: NETGEAR Armor offers a powerful suite of security and support tools.