# NETGEAR®

## Whole Home Tri-band Mesh WiFi 6 System – 860 Series

## High-performance, Whole-Home WiFi

Upgrade to blazing-fast 6Gbps[†] and WiFi 6 on up to 100 devices simultaneously across more space: 8 rooms or up to 540 square meters. The RBK863 includes a dedicated backhaul for instant router-satellite communication and 12 Gigabit ports to give your most demanding tech products their own wired connection.

### Key Features

- **High-performance Whole-Home WiFi**– Experience superior whole-home WiFi with up to 6Gbps[†] WiFi speeds and coverage up to 540 square meters, including front & back yards.

- **WiFi That Stays Fast**–Patented, industry-unique Tri-band and dedicated backhaul WiFi ensures max speeds for up to 100 connected devices.

- **WiFi You Can Count On**–Stream 4K/8K movies, Zoom video conferences, and WiFi calls, and keep your smart home devices connected with confidence.

- **10 Gig Internet Port for Multi-Gig Speeds**– Experience the fastest download speeds of today & tomorrow. Connect to the latest cable or optical fiber Internet services with speeds greater than 1Gbps, up to 10Gbps.

- **New and Improved Antenna Design**–Using proprietary WiFi optimization and newly enhanced antenna design maximizes signal strength and delivers up to 20% greater WiFi coverage & performance.[1]

### Technical Specifications

- Orbi AX6000 Router and AX6000 Satellites (2400 + 2400 + 1200Mbps)[†]

- Simultaneous Tri-band WiFi

    - Radio 1: IEEE® 802.11b/g/n/ax 2.4GHz – 1024-QAM support

    - Radio 2: IEEE 802.11a/n/ac/ax 5GHz – 1024-QAM support

    - Radio 3: IEEE 802.11a/n/ac/ax 5GHz – 1024-QAM support

- MU-MIMO∞ capable for simultaneous data streaming

- Implicit & Explicit Beamforming for 2.4GHz & 5GHz bands

- Processor - Router & Satellites

    - Powerful quad-core 2.2GHz processor

- Memory - Router

    - 512MB NAND flash and 1GB RAM

- Antenna - Router & Satellites (each)

    - Eight (8) high-performance internal antennas with high-power amplifiers

- Ports – Router

    - Four (4) 10/100/1000Mbps Gigabit Ethernet LAN ports

    - One (1) 10Gbps Multi-Gigabit Ethernet WAN port

- Ports – Satellites

    - Four (4) 10/100/1000Mbps Gigabit Ethernet LAN ports each

### Services & Security

- Orbi Mobile App - Do it all in the Orbi App to easily set up, monitor and manage your Orbi WiFi and access exclusive NETGEAR services.

- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)

- Guest WiFi network makes it easy to set up separate & secure Internet access for guests.

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## Package Contents

- One (1) Orbi Router (RBR860)
- Two (2) Orbi Satellites (RBS860)
- One (1) 6 ft. (2m) Ethernet cable
- Three (3) power adapters
- Quick start guide

## System Requirements
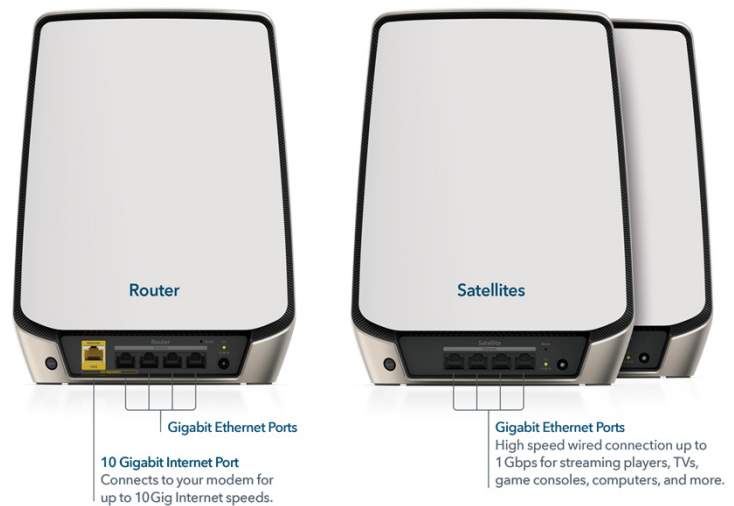
- High-speed Internet connection to existing modem or gateway

## Warranty & Support

- 90-day complimentary technical support following purchase from a NETGEAR authorized reseller
- www.netgear.com/warranty

## Physical Specifications

- Dimensions: 10 in. x 7.5 in. x 2.8 in. (254 mm x 190.5 mm x 71.12 mm) each
- Weight: 2.86 lb (1.29 kg) each

## Connection Diagram



**Router**

**Satellites**

**Gigabit Ethernet Ports**

**10 Gigabit Internet Port**
Connects to your modem for up to 10Gig Internet speeds.

**Gigabit Ethernet Ports**
High speed wired connection up to 1 Gbps for streaming players, TVs, game consoles, computers, and more.

This product comes with a 1-year limited warranty and 90-day complimentary technical support that is valid only if purchased from a NETGEAR authorized reseller.
www.netgear.com/warranty

* 90-day complimentary technical support following purchase from a NETGEAR authorized reseller.

† Maximum wireless signal rate derived from IEEE® 802.11 specifications. Actual data throughput and wireless coverage will vary and be lowered by network and environmental conditions, including network traffic volume, device limitations, and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. Up to 6,000Mbps wireless speeds achieved when connecting to other 802.11ax 6,000Mbps devices.

Wireless speeds are country-specific, as certain WiFi band channels may not be available in some countries.

1 Compared to RBK852 maximum wireless signal rate.

∞ MU-MIMO capability requires both router and client device to support MU-MIMO.

For indoor use only.

For regulatory compliance information, visit www.netgear.com/about/regulatory.

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