



Whole Home Tri-band Mesh WiFi 6 System - 860 Series, Black Edition



High-performance, Whole-Home WiFi

Upgrade to blazing-fast 6Gbps[†] and WiFi 6 on up to 100 devices simultaneously across more space: 10 rooms or up to 10,800 sq. ft. Protected by award-winning NETGEAR security services, the RBK864SB includes a dedicated backhaul for router-satellite communication and 16 Gigabit ports to give your most demanding tech products their own wired connection. This system includes NETGEAR Armor™, advanced cyber security for your connected devices.

Key Features

- **High-performance Whole Home WiFi**—Experience superior whole home WiFi with up to 6Gbps[†] WiFi speeds and coverage up to 10,800 sq. ft., 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 greater WiFi coverage & performance.²
- **Exclusive Features**—Includes 1-year subscription to NETGEAR Armor™ software powered by Bitdefender® that protects your WiFi with a shield of security across your PCs, phones, cameras, TVs, Echo, etc.
- **Voice Control**—Control your WiFi using voice commands when you have Amazon Alexa™ or the Google® Assistant

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 (each)
 - 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.
- NETGEAR Armor™ - Protect your family's WiFi with an automatic shield of security for your connected devices. Real-time protection against hackers getting into devices like laptops, phones, security cameras, & door locks, as well as alerts when sensitive data may be stolen. Plus, added privacy protection with VPN for secure network access. 1-year subscription included.¹
- Award-winning NETGEAR® Smart Parental Controls™ easily manages your kids' exposure & time online across all their connected devices to build healthy habits wherever they are, with a Premium SPC subscription³
- 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 (RBR860B)
- Three (3) Orbi Satellites (RBS860B)
- One (1) 6.6 ft. (2m) Ethernet cable
- Four (4) 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 x 7.5 x 2.8in (254mm x 190.5mm x 71.12mm) each
- Weight: 2.86 lb (1.29 kg) each

Connection Diagram



This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

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† 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 6Gbps wireless speeds achieved when connecting to other 802.11ax 6Gbps devices.

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

¹ NETGEAR Armor™ is free during the initial 1-year period. A yearly subscription, after the trial period, protects all of your connected devices. Visit www.netgear.com/armor.

² Compared to RBK853 throughput improvement at maximum range.

³ NETGEAR Smart Parental Controls™ fees apply for a Premium Plan. Visit www.netgear.com/spc for more information.

∞ 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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