



High-performance AC3000 Tri-band WiFi System

Data Sheet

RBK53



Overview

Orbi™ is the simplest and smartest way to enjoy high-speed WiFi in every corner of your home. This Orbi WiFi System kit of three covers homes up to 6,000 square feet with strong WiFi signals. It creates a dedicated wireless connection to the Internet using Tri-band WiFi delivering maximum speeds no matter how many devices connect.

Enjoy better WiFi. Everywhere.

Features



Better WiFi. Everywhere.

Take your WiFi device from room to room and Orbi follows with the fastest WiFi speeds possible.



Max Internet Speeds.

Orbi uses Tri-band WiFi to keep your Internet running at max speeds no matter how many devices connect.



Your Home. Covered.

Kit of three covers up to a 6,000 square foot home with high-performance AC3000 WiFi.

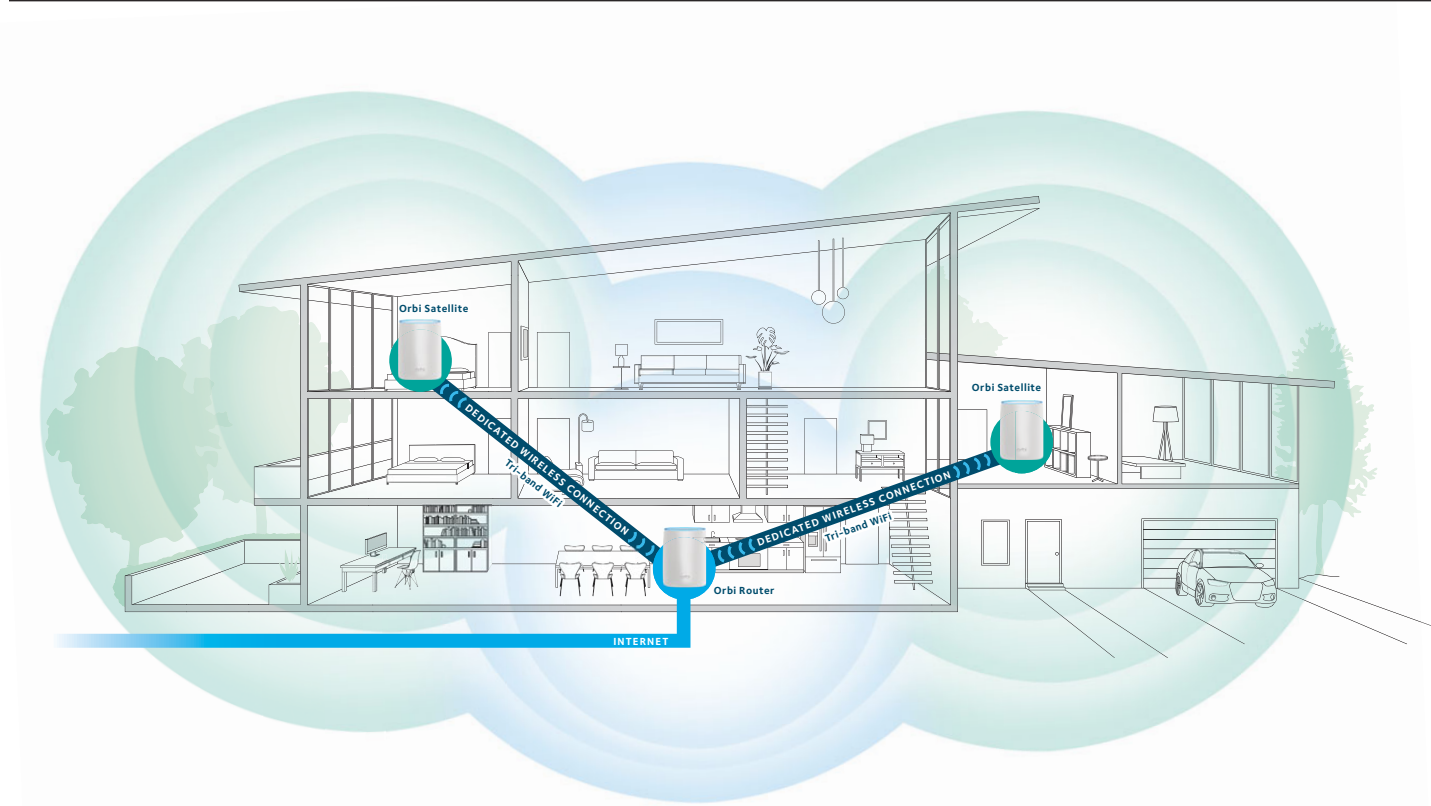


Just Plug In.

With simple setup from your mobile device, your secure WiFi network is ready in just minutes.



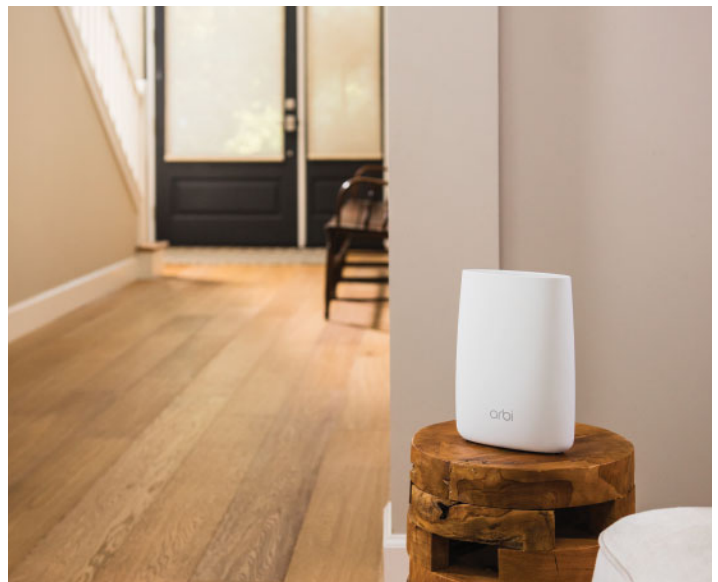
House Diagram



Orbi Router (RBR50)



Orbi Satellite (RBS50)





Orbi Router (RBR50)

Orbi Satellite (RBS50)



Sync button
Plugs into existing modem
Plugs into Ethernet-enabled devices
USB 2.0 port
Power button



Sync button
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USB 2.0 port
Power button



What's In the Box?

- One (1) Orbi Router (RBR50)
- Two (2) Orbi Satellites (RBS50)
- One (1) 6.5 ft Ethernet cable
- Three (3) 12 V/3.5 A power adapters
- Quick start guide

What Do I Need for Orbi to Work?

- High-speed Internet connection
- Connect to existing modem or gateway





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Technical Specifications

- AC3000 (1733 + 866 + 400 Mbps)[†]
- Simultaneous Tri-band WiFi
 - IEEE® 802.11b/g/n
2.4 GHz – 256 QAM support
 - IEEE® 802.11a/n/ac
5 GHz – 256 QAM support
- Memory: 4 GB Flash and 512 MB RAM
- Six (6) high-performance antennas with high-powered amplifiers
- Implicit/Explicit Beamforming for 2.4 & 5 GHz bands (1733 + 866 + 400 Mbps)[†]
- MU-MIMO capable for simultaneous data streaming on multiple devices
- Four (4) 10/100/1000 Mbps Gigabit Ethernet ports
 - 1 WAN & 3 LAN for Router
 - 4 LAN for each Satellite
- One (1) USB 2.0 port

Physical Specifications

- Dimensions: 6.7 x 3.1 x 8.89 in (170.3 x 78.9 x 225.8 mm) each
- Weight: 1.96 lb (890.5 g) each

Simple Setup



Simple setup from your smartphone or tablet.



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

[†] Maximum wireless signal range derived from IEEE standard 802.11 specifications. Actual data throughput and data over distance will vary. Network conditions and environmental factors, including volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput rate and wireless coverage.

For regulatory compliance information, visit <http://www.NETGEAR.com/about/regulatory>