orbi™

NETGEAR®

High-performance AC3000 Tri-band WiFi System

Data Sheet

RBK50

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 two covers homes up to 4,000 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

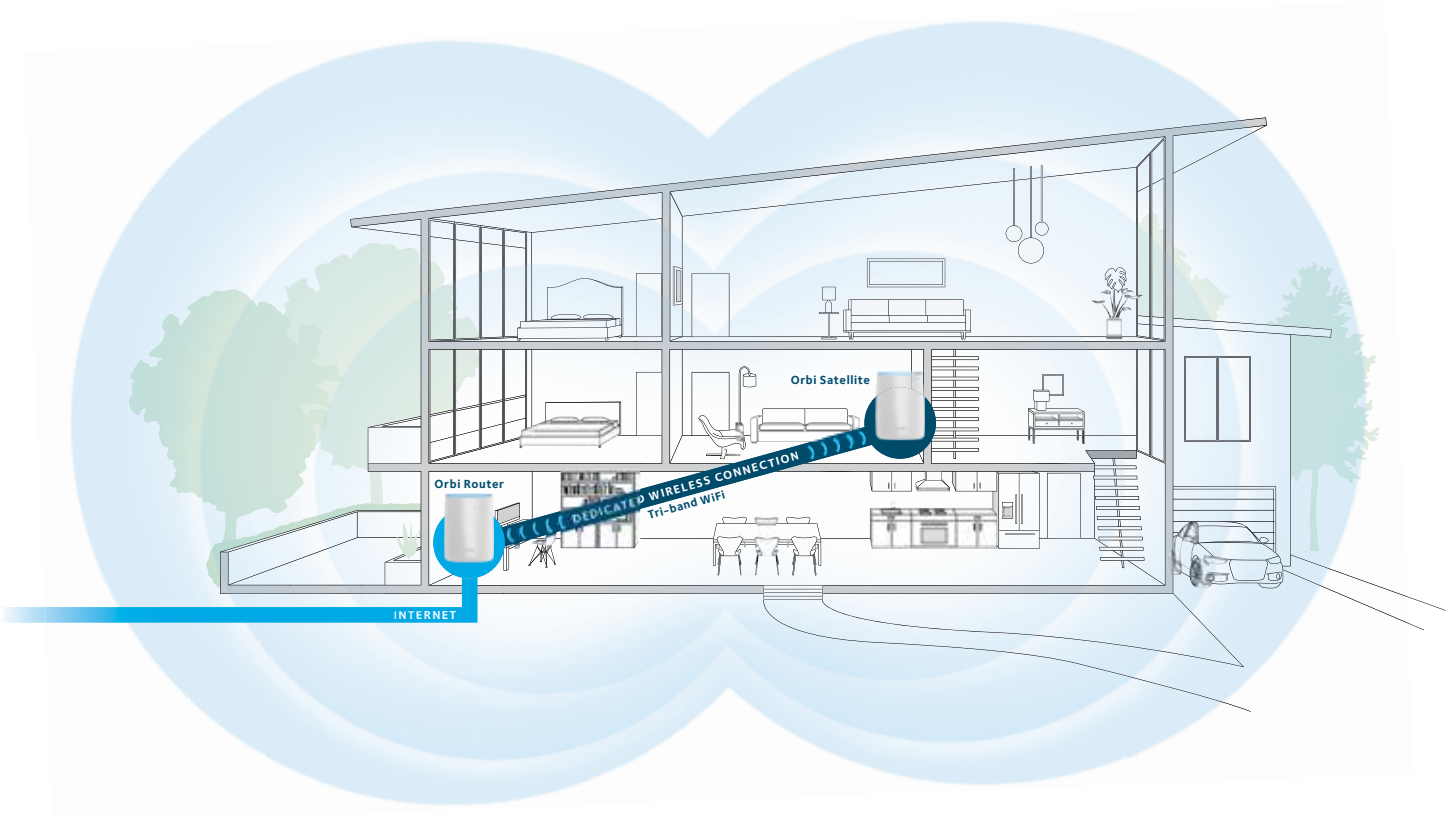
Better WiFi. Everywhere.
Take your WiFi device from room to room and Orbi follows with the fastest WiFi speeds possible.

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 two covers up to a 4,000 square ft home with high-performance AC3000 WiFi.

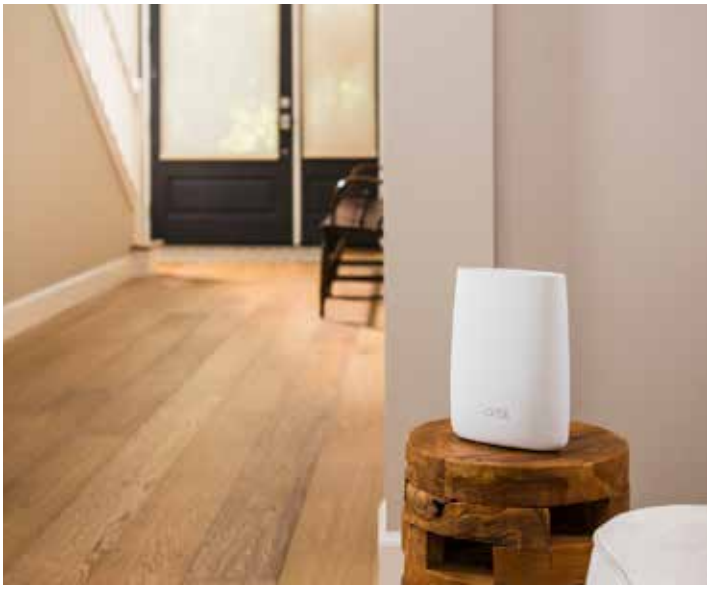
Just Plug In.
With simple setup from your mobile device, your secure WiFi network is ready in just minutes.

House Diagram



Orbi Router (RBR50)

Orbi Satellite (RBS50)



Orbi Router (RBR50)

Orbi Satellite (RBS50)

What's In the Box?

- One (1) Orbi Router (RBR50)
- One (1) Orbi Satellite (RBS50)
- One (1) 2 m Ethernet cable
- Two (2) 12V/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® 802.11 a/n/ac 5 GHz – 256 QAM support
- Memory: 4 GB Flash and 512 MB RAM
- Six (6) high-performance antennas with high-power 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 Satellite
- One (1) USB 2.0 port
- Guest WiFi network-Easily setup separate and secure Internet access for guests

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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This product comes with a limited warranty that is valid only if purchased 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.

The country settings must be set to the country where the device is operating. Intended for indoor use only in EU member states, EFTA states, and Switzerland.

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

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