orbi™

NETGEAR®

High-performance AC3000 Tri-band WiFi Router

Overview

Orbi™ is the simplest and smartest way to enjoy high-speed WiFi in every corner of your home. The Orbi WiFi System Starter covers homes up to 2,000 square feet with strong WiFi signals. Each Orbi Satellite (sold separately) adds an additional 2,000 square feet of strong WiFi coverage. This system now includes NETGEAR Armor™, advanced cyber security for your devices.

Enjoy better WiFi. Everywhere.

NETGEAR Armor™
Powered by Bitdefender®[1]

NETGEAR Smart
Parental Controls™[2]

Features

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

Your WiFi System Starts Here.
Orbi Router is the heart of the Orbi WiFi System. It covers up to 2,000 sq ft[†] with high-performance AC3000 WiFi.

Manage Your Kids' Screen Time.
NETGEAR Smart Parental Controls™ let you easily manage your kids' time online across their connected devices.

Growing With You.
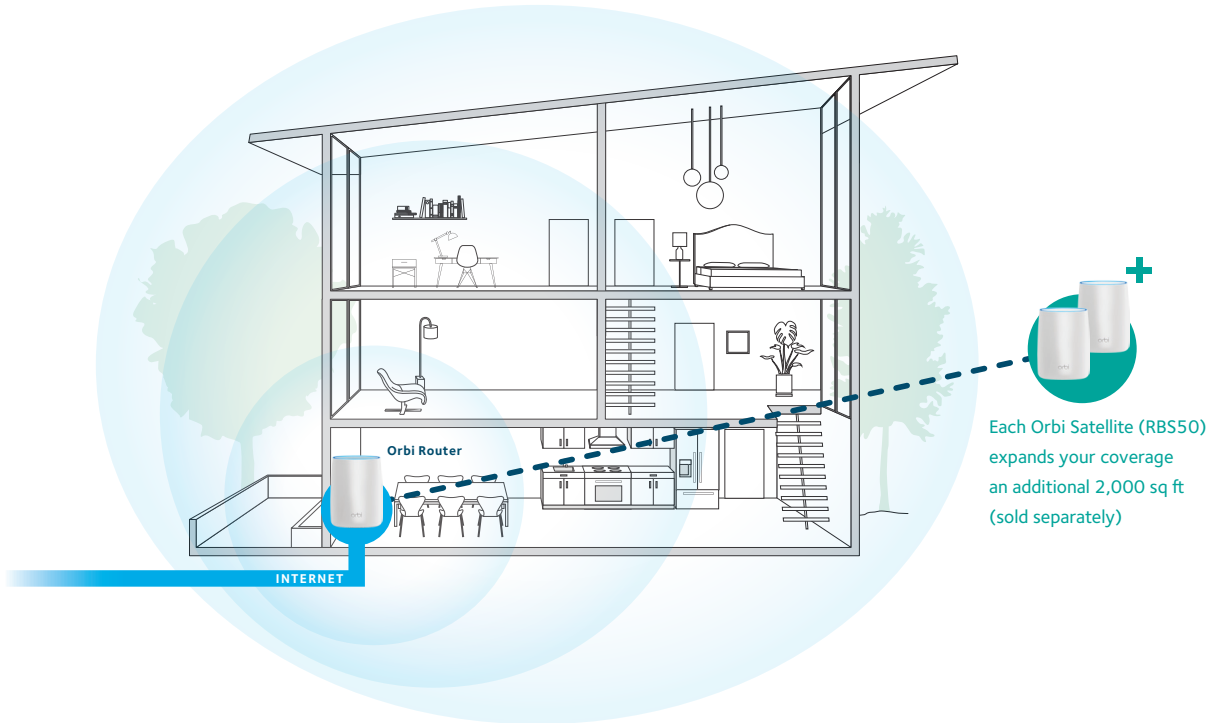Add an Orbi Satellite (sold separately) to expand your high-performance WiFi coverage an additional 2,000 sq ft[†].

Simple & Secure.
Use the Orbi app and NETGEAR Armor to create your secure whole home WiFi in minutes.

House Diagram

Orbi Router

INTERNET

Each Orbi Satellite (RBS50) expands your coverage an additional 2,000 sq ft (sold separately)

Simple setup from your smartphone or tablet.

Use the Orbi app to set up and manage your network. To find the app, scan one of the following QR codes or search NETGEAR Orbi in the Apple App Store or Google Play Store.

Download on the **App Store**

GET IT ON **Google Play**

NETGEAR Armor empowers you to eliminate vulnerabilities or simply know the status of your home network and devices, anytime, anywhere. Get instant notifications when malicious threats are detected, block unknown devices from joining your Orbi home network or take action on vulnerabilities as they are discovered easily through the Orbi App.

A Advanced Cyber Security for Your Devices

NETGEAR Armor™ | Powered by Bitdefender®

- **Advanced Threat Detection** - Identifies & blocks viruses, spyware, ransomware, malicious links, and more, on your laptops, tablets & smartphones.
- **Smart Home Vulnerability Scans** - Regularly scans connected devices to ensure they're not vulnerable to hackers.
- **Data Theft Protection** - If your Android® or Windows™ device is lost or stolen, you can locate, lock, & wipe data remotely.
- **Instant Alerts** - Receive immediate alerts when threats are detected & blocked.

Learn more at NETGEAR.com/armor

High-performance AC3000 Tri-band WiFi Router

Orbi Router (RBR50)

Sync

Internet

Gigabit Ethernet ports

Power on/off

High-performance AC3000 Tri-band WiFi Router

Data Sheet

What's In the Box?

- One (1) Orbi Router (RBR50v2)
- One (1) 6.5 ft Ethernet cable
- One (1) 12V/3.5 A power adapter
- Quick start guide

What Do I Need for Orbi to Work?

- High-speed Internet connection
- Connect to existing modem or gateway
- **DO NOT purchase a second Orbi Router if you need to expand your WiFi coverage**
  - Two (2) Orbi Routers (RBR50) on the same network may run into connection errors
  - To expand your Orbi WiFi system, purchase an Orbi Satellite (RBS50), sold separately, for every 2,000 square feet of additional WiFi coverage needed

Physical Specifications

- Dimensions: 6.7 x 3.1 x 8.9 in (170.3 x 78.9 x 225.8 mm)
- Weight: 1.72 lb (780.2 g)

Technical Specifications

- AC3000 (1733+866+400 Mbps)[†]
- Simultaneous Tri-band WiFi
  - Radio 1: IEEE® 802.11b/g/n 2.4GHz–256-QAM support
  - Radio 2: IEEE® 802.11a/n/ac 5GHz–256-QAM support
  - Radio 3: IEEE® 802.11a/n/ac 5GHz–256-QAM support
- Memory: 512MB NAND flash and 512MB 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 (One (1) WAN & three (3) LAN)
- Each Orbi Router supports up to 3 Orbi Satellites
- Security
  - Comprehensive anti-virus & data theft protection for your PC, Mac® and mobile devices with NETGEAR Armor™
  - Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
  - Guest WiFi Network is easy to setup separate & secure Internet access for guests
- Voice Control
  - Amazon Alexa™
  - The Google© Assistant
- NETGEAR Smart Parental Controls™ – Manage your kids' time online across their connected devices. Learn more at netgear.com/spc