orbi™

Whole Home AC3000 Tri-band WiFi System

NETGEAR®

Overview

This Orbi WiFi System comes with an Orbi WiFi Router and two Orbi Wall Plug Satellites that deliver unparalleled WiFi coverage. It covers homes up to 5,500 square feet with strong WiFi signals. Innovative Tri-band WiFi helps maximize the Internet speeds available in your home.

Enjoy better WiFi. Everywhere.

Features

Single Network Name.
One WiFi name and seamless roaming for your whole home to enjoy.

Max Internet Speeds.
Innovative Tri-band WiFi helps deliver fast Internet speeds even as more devices connect.

Your Home & Yard. Covered.
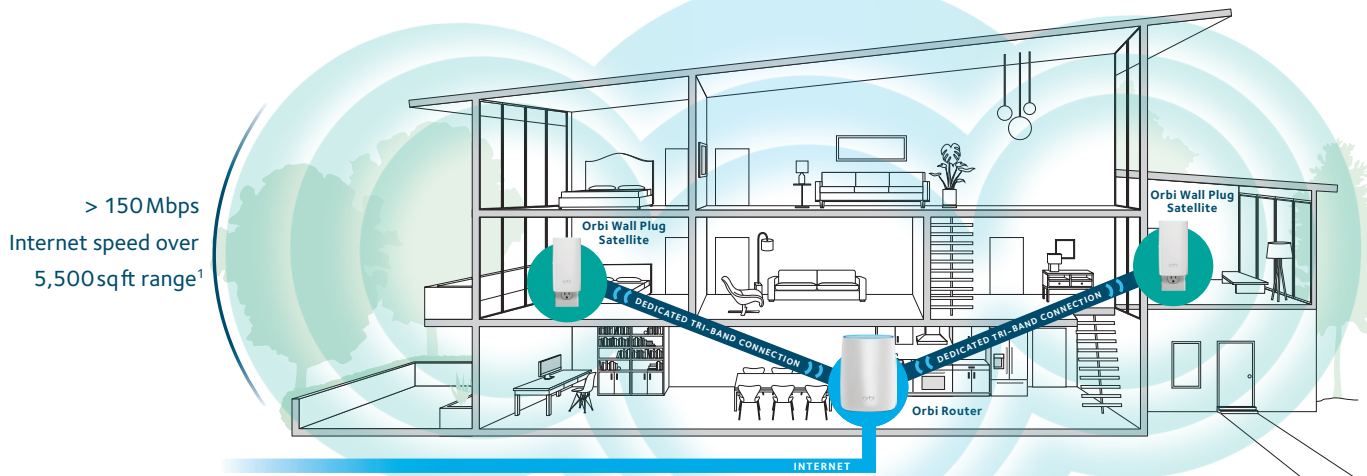This kit of an AC3000 Router & two AC2200 Satellites covers up to a 5,500 sq ft† home with high-performance WiFi.

Easy Setup.
Use the Orbi app or a web browser to create secure whole home WiFi in minutes. With no accounts to setup.

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Data Sheet

RBK52W

House Diagram

5,500 Square Feet of Orbi WiFi Coverage

> 150 Mbps
Internet speed over
5,500 sq ft range[1]

Orbi Wall Plug Satellite

Orbi Wall Plug Satellite

DEDICATED TRI-BAND CONNECTION

DEDICATED TRI-BAND CONNECTION

Orbi Router

INTERNET

Dedicated Tri-band Connection ensures devices connect directly to maximum Internet speeds

[1] Internet plan and devices that support these speeds are required.

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 for NETGEAR Orbi in the Apple App Store or Google Play Store.

Download on the **App Store**

GET IT ON **Google Play**

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Orbi Router (RBR50)

Orbi Wall Plug Satellite (RBW30)

Sync button

Plugs into
existing modem

Plugs into Ethernet–
enabled devices

USB 2.0 port

Power button

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What Do I Need for Orbi to Work?

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

What's In the Box?

- One (1) Orbi Router (RBR50)
- Two (2) Orbi Wall Plug Satellites (RBW30)
- One (1) 2m Ethernet cable
- One (1) 12V/3.5A power adapter
- Quick start guide

Physical Specifications

- Orbi Router (RBR50)
    - Dimensions: 6.7 x 3.1 x 8.89 in
    - Weight: 1.96 lb
- Orbi Wall Plug Satellites (RBW30)
    - Dimensions: 3.3 x 3.0 x 6.34 in each
    - Weight: 0.67 lb each

Wireless Connectivity

- Single WiFi SSID

- Guest WiFi SSID available

- Orbi Router

  AC3000 Simultaneous Tri-Band WiFi

  – WiFi Band 1: 400Mbps @ 2.4GHz

  – WiFi Band 2: 866Mbps @ 5GHz

  – WiFi Band 3: 1733Mbps @ 5GHz (dedicated backhaul)

  Tx/Rx: 2x2 (2.4GHz) + 2x2 (5GHz) + 4x4 (5GHz) dedicated backhaul

  IEEE® 802.11a/b/g/n/ac

- Orbi Wall-plug Satellites (2)

  AC2200 Simultaneous Tri-Band WiFi

  – WiFi Band 1: 400Mbps @ 2.4GHz

  – WiFi Band 2: 866Mbps @ 5GHz

  – WiFi Band 3: 866Mbps @ 5GHz (dedicated backhaul)

  Tx/Rx: 2x2 (2.4GHz) + 2x2 (5GHz) + 2x2 (5GHz) dedicated backhaul

  IEEE® 802.11a/b/g/n/ac

- MU-MIMO capable for simultaneous data streaming

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

- WiFi Security- WPA/PSK2

- Processor Router & Satellites

  Powerful Quad-Core 710MHz processor

- Memory

  Router: 4GB flash and 512MB RAM

  Satellites: 128MB flash and 256MB RAM

- Antenna

  Router: Six (6) high-performance internal antennas with high-power amplifiers

  Satellite: Four (4) high-performance internal antennas

- Ports – Orbi Router

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

  – One (1) WAN & three (3) LAN

  – One (1) 2.0 USB port

- Router power on/off switch

- Push button WPS support