Overview

5G broadband Internet is here, and it lets you download, stream, and game at blazing-fast speeds. With the Orbi 5G WiFi 6 Mesh System, you can bring it to your home. Perfect as your primary Internet in areas without access to cable or DSL or as a high-speed backup so you’re never offline, it puts you on the cutting edge of connectivity.

Features

Expansive WiFi Coverage
With WiFi 6 technology, connect up to 40 smart devices simultaneously, without sacrificing performance. Also get unbeatable WiFi coverage in your home.

5G Internet for Home
5G is a next-level mobile broadband experience, delivering unparalleled speeds and power. Use 5G as your primary Internet connection, or as a backup when your wired Internet is unavailable.

Orbi WiFi Mesh Tri-band Technology
Combining the superiority of mesh with NETGEAR’s patented Tri-band technology ensures a dedicated connection that delivers peak WiFi performance and coverage.
Why 5G?
Get on the cutting edge of something truly great. The next level of Internet speed is here to usher in a new era of limitless technology possibilities. Experience lightning fast reaction times for VR gaming, smart & connected devices, and immersive learning tools all while downloading, streaming, and browsing with speeds as fast as the blink of an eye. 5G is the revolutionary next step in the future of technology.

10X capacity
Get connected in dense areas, even with tall buildings and many connected devices competing for connection.

10X faster than 4G
5G delivers revolutionary mobile broadband connectivity by using shorter frequencies, boosting speeds to unheard of levels of up to 10X faster than 4G.

Extremely low latency
Shorten the time delay between sending and receiving information with 5G. Now 1ms, 5G delivers extremely low latency rates down from 200ms for 4G.

WiFi 6—Ready for Today and Tomorrow’s Smart Home
Delivering four times better performance than AC WiFi, WiFi 6 allows more devices to connect and stream simultaneously, without impacting speed or reliability, by efficiently packing and scheduling data. Rising to the challenges of modern smart home demands, this new standard of WiFi is ready to support more devices with better reliability and faster speeds.

Capacity
WiFi 6 gives you improved network capacity for more WiFi devices. Have more fun with the uninterrupted 4K/8K streaming, gaming, and the smart home experience.

Speed
Get ultra-fast wireless speeds with more connections for all devices with less congestion. You'll get some blazing connection speeds of more than one Gigabit per second or more, 4K/8K streaming, & VR/AR gaming.

Range
Experience reliable and stronger WiFi coverage indoors and outdoors for all your devices. High-performance antennas on the router, pre-optimized for best performance, amplify WiFi signals for maximized range and reliable coverage.

House Diagram
Orbi App

Use the Orbi app to easily set up, monitor, and manage your Orbi WiFi.

NETGEAR Armor™ powered by Bitdefender® provides best-in-class anti-virus, anti-malware and data protection for your smart devices, smartphones, and computers.
Orbi 5G WiFi 6 Mesh System

Orbi 5G WiFi 6 Router

5G/LTE Antenna Connector
Connect an antenna to improve signal (Antenna optional, not included)

5G Nano SIM card
Use activated SIM card from a carrier for 5G Internet at home²

LAN/WAN Ethernet port
Optional: Wired Internet port for failover

Orbi WiFi 6 Satellite

5G/LTE Antenna Connector

Gigabit Ethernet ports
High speed wired Gigabit connection for game consoles, TVs, streaming players, computer, AVRs, and more

Gigabit Ethernet ports
What’s In the Box?

- One (1) Orbi AX4200 5G WiFi 6 Router (NBR750)
- One (1) Orbi Satellite (RBS750)
- One (1) 12V/3.5A power adapter (NBR750)
- One (1) 12V/2.5A power adapter (RBS750)
- One (1) 2m Ethernet cable
- Quick start guide

What Do I Need for Orbi to Work?

- High-speed Internet connection
- Activated 5G/LTE Nano SIM card

Physical Specifications

- **NBR750**
  - Dimensions: 246 x 196 x 86mm
  - Weight: 1247g
- **RBS750**
  - Dimensions: 231 x 183 x 71mm
  - Weight: 861g

Software Features

- Orbi Mobile App

Technical Specifications

- Orbi AX4200 Router and AX4200 Satellite (600 + 1200 + 2400Mbps)†
- 5G NR SA/NSA
- LTE Cat 20
- 4G LTE Bands: B1, 3, 7, 8, 20, 28, 38, 40, 41
- 5G Bands: n1, n3, n7, n8, n20, n28, n40, n41, n77, n78
- Simultaneous Tri-band WiFi
  - Radio 1: IEEE® 802.11b/g/n/ax 2.4GHz – 1024QAM support
  - Radio 2: IEEE® 802.11a/n/ac/ax 5GHz – 1024QAM support
  - Radio 3: IEEE® 802.11a/n/ac/ax 5GHz – 1024QAM support
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz bands
- Processor – Router & Satellites
  - Powerful quad-core 1.4GHz processor
- Memory – Router
  - 512MB NAND flash and 1GB RAM
- Antenna – Router & Satellites (each)
  - Six (6) high-performance internal antennas with high-power amplifiers
- Ports – Orbi 5G LTE Router
  - Two (2) 10/100/1000Mbps Gigabit Ethernet LAN ports
  - One (1) 1Gbps Gigabit Ethernet WAN port
- Ports – Orbi Satellite
  - Two (2) 10/100/1000Mbps Gigabit Ethernet LAN ports
- Control your WiFi using voice commands when you have Amazon Alexa™ or the Google® Assistant
- 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

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

† 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 4,200Mbps wireless speeds achieved when connecting to other 802.11ax 4,200Mbps devices.

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

Fees apply based on data service plan selected.

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

The country settings must be set to the country where the device is operating.

For indoor use only.