Overview

5G broadband internet is here - download, stream, and game at blazing-fast data speeds with ultra low latency. With the Orbi 5G LTE WiFi 6 Router, you can bring 5G to all your devices at 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 - the Orbi 5G router puts you on the cutting edge of connectivity powered by the Bell 5G network.

The Orbi 5G WiFi 6 Router is compatible with select Orbi AX Satellites* to create a mesh WiFi system, and easily extend WiFi coverage to every room in your home.

Features

5G Speeds in your Home.
5G is a next-level mobile broadband experience, delivering the speeds and power you need to stream, game, and download faster than ever. Get your home 5G ready now.

Ready to Go, Even Without 5G.
Even in areas without 5G, this system can access the Bell 5G network, so it can keep you connected if your existing wired service fails.

Upgrade your WiFi to First Class.
WiFi 6 allows more devices to connect simultaneously— without impacting speed or reliability—so the whole family can surf, stream, and download at once.

Increase WiFi Coverage.
Add an Orbi AX Satellite to create a Mesh WiFi System and expand your WiFi coverage (sold separately).

Smart and Simple.
The system includes the Orbi app, which makes setting up and managing your network almost effortless.

5G Internet alone, or complementary to Cable and DSL.
5G is the perfect high-speed solution in areas that have strong Bell network coverage but lack reliable cable or DSL.
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.

House Diagram
WiFi 6—Ready for Today and Tomorrow’s Smart Home

Introducing WiFi 6—the latest generation of WiFi that delivers four times better performance than AC WiFi. With innovative technologies, such as Orthogonal Frequency-Division Multiple-Access (OFDMA), 4x4 Multi-User MIMO, and intelligent scheduling, WiFi 6 delivers a huge boost in speed and total capacity. 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, pre-optimized for best performance, on the router amplify WiFi signals for maximized range and reliable coverage.

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.

NETGEAR Armor™ | Powered by Bitdefender®

- Advanced Threat Detection - Identifies & blocks viruses, spyware, ransomware, malicious links, and more.
- Smart Home Vulnerability Scan - 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
Orbi Router (NBR750)

Router

Sync
Bell 5G Nano SIM Card
Gigabit Ethernet ports
SMA external antenna connector (antenna not included)
What’s In the Box?

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

What Do I Need for Orbi to Work?

- Activated Bell 5G Nano SIM card
- Orbi app

Physical Specifications

- Dimensions: 9.7 x 7.7 x 3.4in
- Weight: 2.75lb

Technical Specifications

- 5G NR SA/NSA
- LTE CAT 20
- Supporting Network
  - LTE TDD: B38/B41
  - 5G: n2/n5/n25/n66/n71/n77/n78
- Orbi AX4200 Router (600 + 1200 + 2400Mbps)
- AX4200 Simultaneous Tri-band WiFi
  - Radio 1: IEEE® 802.11b/g/n/ac/ax @ 2.4GHz: Supports 1024-QAM
  - Radio 2: IEEE® 802.11a/n/ac/ax @ 5GHz: Supports 1024-QAM
  - Radio 3: IEEE® 802.11a/n/ac/ax @ 5GHz: Supports 1024-QAM
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz bands
- Processor
  - Powerful quad-core 1.4GHz processor
- Antenna
  - Six (6) high-performance internal antennas with high-power amplifiers
  - Four (4) Internal 5G/LTE Antennas
- Ports
  - Two (2) 10/100/1000Mbps Gigabit Ethernet LAN ports
  - One (1) 1Gbps Gigabit Ethernet WAN port
  - Two (2) 5G/LTE Antenna Connector
  - One (1) Bell 5G Nano SIM card slot
- Voice Control
  - Amazon Alexa™
  - The Google® Assistant
- Each Orbi Router supports up to 3 Orbi Satellites (Satellites sold separately)
- 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

* Orbi AX Satellites sold separately.
**NETGEAR Armor” is free during the trial period. A yearly subscription, after the trial period, protects all of your connected devices. Visit www.netgear.com/armor
† 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
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