



## Overview

The Orbi™ 4G LTE Whole Home WiFi Router delivers up to 2.2Gbps high-performance WiFi on 4G LTE networks. It has a sleek, modern design with high-gain internal antennas for up to 2,000 sq ft of coverage. The Orbi™ 4G LTE WiFi Router with integrated cellular modem is compatible with select Orbi AC Satellites to create a mesh WiFi system, supporting seamless 4K streaming and gaming everywhere in your home.

## Features



### Use Your Cellular Service for Your Internet Connection.

Compatible with major 4G LTE service providers by simply inserting a SIM card.



### Increase WiFi Coverage.

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



### Always-on Internet.

Seamlessly switch over to 4G LTE when your existing Internet service fails.



### Super-fast WiFi up to 2.2Gbps<sup>†</sup>.

Enjoy seamless 4K HD video streaming & gaming everywhere in your home.



4G LTE WiFi Router

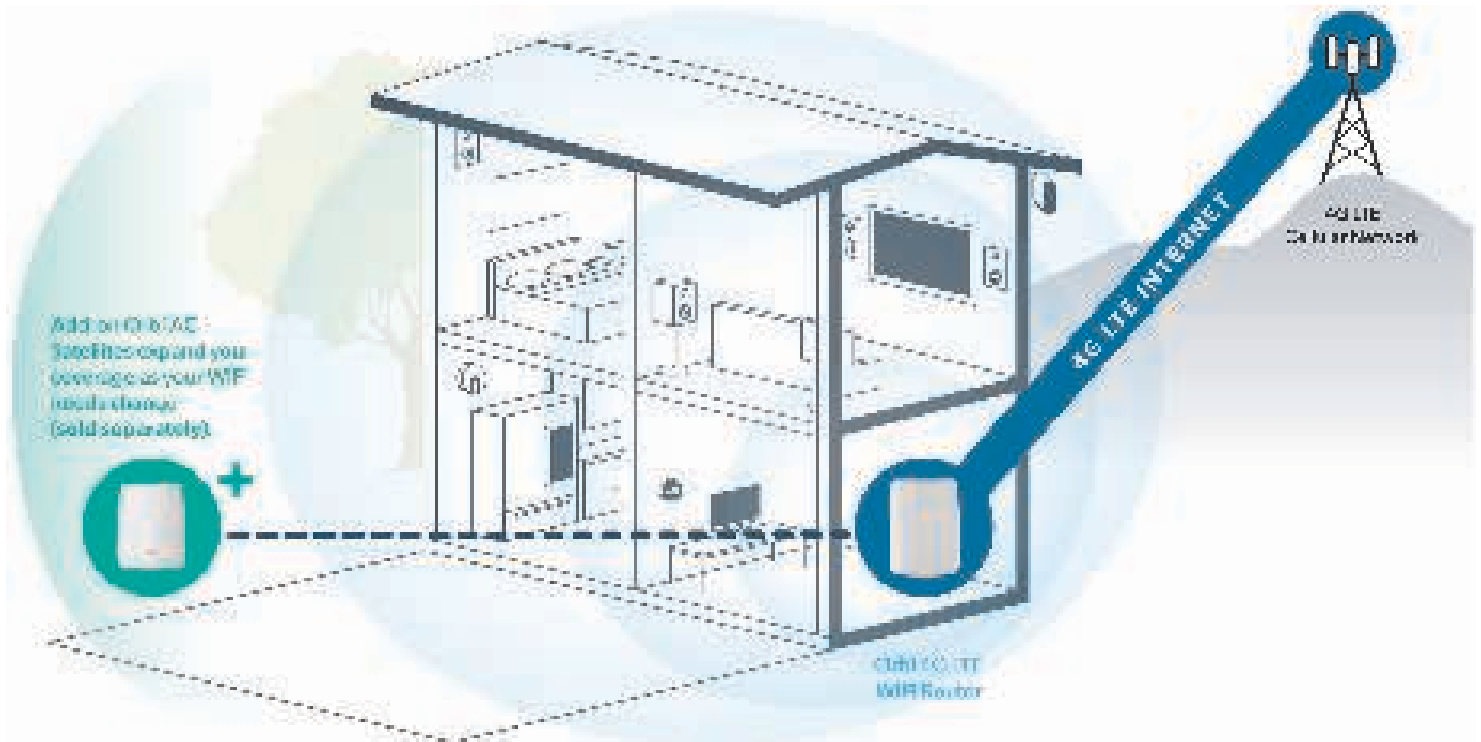
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Data Sheet

LBR20

## House Diagram

**Better WiFi. Anywhere.**



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.



**Advanced Cyber Security for All Your Devices**  
NETGEAR Armor™ | Powered by Bitdefender®

- **Advanced Threat Detection** - Identifies & blocks viruses, spyware, ransomware, malicious links, and more.
- **Smart Home Vulnerability Scans** - Regularly scans connected devices to ensure they're not vulnerable to hackers.
- **Data Theft Protection** - If a mobile 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](https://NETGEAR.com/armor)



### Get Started with the Orbi app

Use the Orbi app to setup and manage your Orbi WiFi. Available on Google Play and Apple App Store.



4G LTE WiFi Router

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## Orbi 4G LTE WiFi Router (LBR20)



LTE Antenna  
Connector  
(not included)

Sync

WAN/LAN1 and LAN2 ports

LTE Antenna Connector (not included)

LTE NanoSIM card (not included)



## What's In the Box?

- One (1) Orbi 4G LTE WiFi Router (LBR20)
- One (1) 2m Ethernet cable
- One (1) 12V/2.5A power adapter
- Quick start guide

## What Do I Need for Orbi to Work?

- High-speed Internet connection
- Activated LTE SIM card
- Orbi app
- **DO NOT purchase a second Orbi Router if you need to expand your WiFi coverage**
- **To expand your Orbi WiFi system, purchase an Orbi AC Satellite (RBS50, RBS50Y, RBS40, RBS40V, RBW30 or RBS20), sold separately, for additional WiFi coverage**

## Technical Specifications

- Orbi AC2200 LTE WiFi Router (866 + 866 + 400Mbps)<sup>‡</sup>
- AC2200 Simultaneous Tri-band WiFi
  - Radio 1: 400Mbps @ 2.4GHz: Supports 256-QAM
  - Radio 2: 866Mbps @ 5GHz: Supports 256-QAM
  - Radio 3: 866Mbps @ 5GHz: Supports 256-QAM
- IEEE® 802.11 a/b/g/n/ac
- LTE Cat 18 up to 1.2 Gbps<sup>‡</sup>
- NA
  - 4G band (LTE-FDD): B2,4,5,7,12,13,14,17,25,26,29,30,66,71
  - 4G band (LTE-TDD): B41
  - 3G band: B1,4,5

- EU & AU
  - 4G band (LTE-FDD): B1,3,5,7,8,20,28
  - 4G band (LTE-TDD): B38,40,41
  - 3G band: B1,3,5,8
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz bands
- Two (2) 10/100/1000Mbps Gigabit Ethernet ports
  - One (1) WAN/LAN & one (1) LAN
- Two (2) External LTE antenna connectors (antennas not included)
- 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
- Circle® – Smart Parental Controls to manage content and time online for all your devices. Learn more at [netgear.com/circle](http://netgear.com/circle)

## Physical Specifications

- Dimensions: 6.7 x 3.1 x 8.9 in (170 x 79 x 226 mm)
- Weight: 1.72 lb (0.78 kg)

This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller. [www.netgear.com/warranty](http://www.netgear.com/warranty)

\* 90-day complimentary technical support following purchase from a NETGEAR authorized reseller.

\*\* Orbi AC Satellites sold separately.

<sup>‡</sup> 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.

<sup>1</sup> 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](http://www.netgear.com/armor)

<sup>2</sup> Circle® includes the Free Basic Plan. Fees apply for a Premium Plan. Visit [netgear.com/circle](http://netgear.com/circle) for more information.

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

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