

NIGHTHAWK®

Nighthawk® X6–AC3200 Tri-Band WiFi Gigabit Router



Performance & Use

Nighthawk® X6 AC3200 Tri-Band WiFi Gigabit Router is powered by high-power amplifiers and antennas to extend your WiFi coverage. Blazing-fast combined WiFi speeds up to 3.2Gbps[†] and 1GHz dual-core processor for extended range.

Smart Connect intelligently selects the fastest 2.4 or 5GHz WiFi band for each device in your home for optimal speeds. Stop buffering and start enjoying ultra-smooth streaming, online gaming, and more. Get best-in-class

cybersecurity with NETGEAR Armor™ to protect your family from malware, stolen passwords, identity theft, and hacker attacks. Manage content and time online with Circle® Smart Parental Controls.

NETGEAR®

NIGHTHAWK®

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GAMING | FOR THE WIN

You need the best when you're taking on the online gaming world. The Nighthawk® X6 is the pro gaming choice and the latest in AC3200 speed and performance. Powerful dual-core 1GHz processor and three offload processors provide WiFi speeds up to 3.2Gbps. Nighthawk's Tri-Band WiFi ends game-lag and multiplies the intensity of immersive, uninterrupted, online gaming while dynamic QoS prioritizes Internet traffic by application & device.



STREAMING | ULTIMATE HD

Nighthawk X6 multiplies the entertainment factor for everyone in your home. Seamless, simultaneous streaming for multiple devices is now a reality thanks to powerful Tri-Band WiFi and features like Smart Connect and Beamforming+—it's the end of buffering, jittery video, and lag as you know it. Dynamic QoS prioritizes your WiFi bandwidth by application, such as Netflix® as well as by device for smoother streaming. And to keep your media both safe and instantly accessible, you can use the free ReadySHARE Vault app for automatic, continuous backup of all your home PCs wirelessly, to the USB hard drive connected to the router super-speed USB 3.0 port.



MOBILE | FASTER & FARTHER

Nighthawk X6's Tri-Band WiFi provides more WiFi for more devices while dynamic QoS bandwidth prioritization optimizes your Internet speed for gaming and streaming. That means more range and reliability for your mobile devices. Nighthawk X6 offers key features to dramatically boost mobile connectivity and performance. High-power amplifiers & 6 high-performance retractable antennas help extend WiFi coverage throughout large homes & even backyards, while Beamforming+ focuses WiFi signals for stronger more reliable connections. Nighthawk® App lets you easily set up your router and get the most out of your WiFi, while Circle® Smart Parental Controls allow families to manage content and time online, on any device.



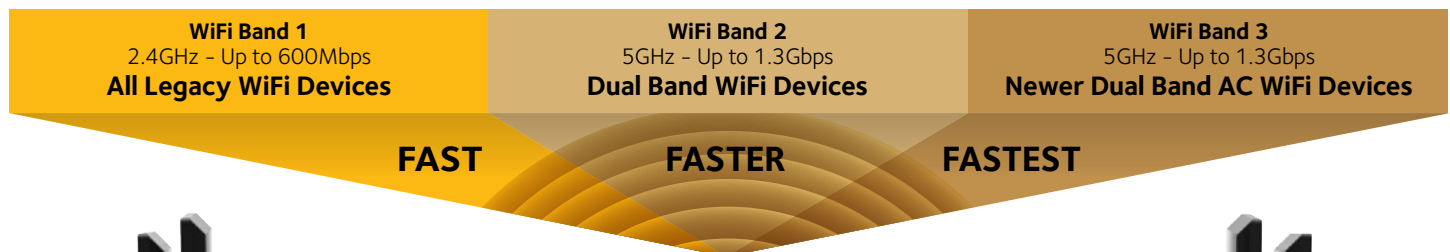
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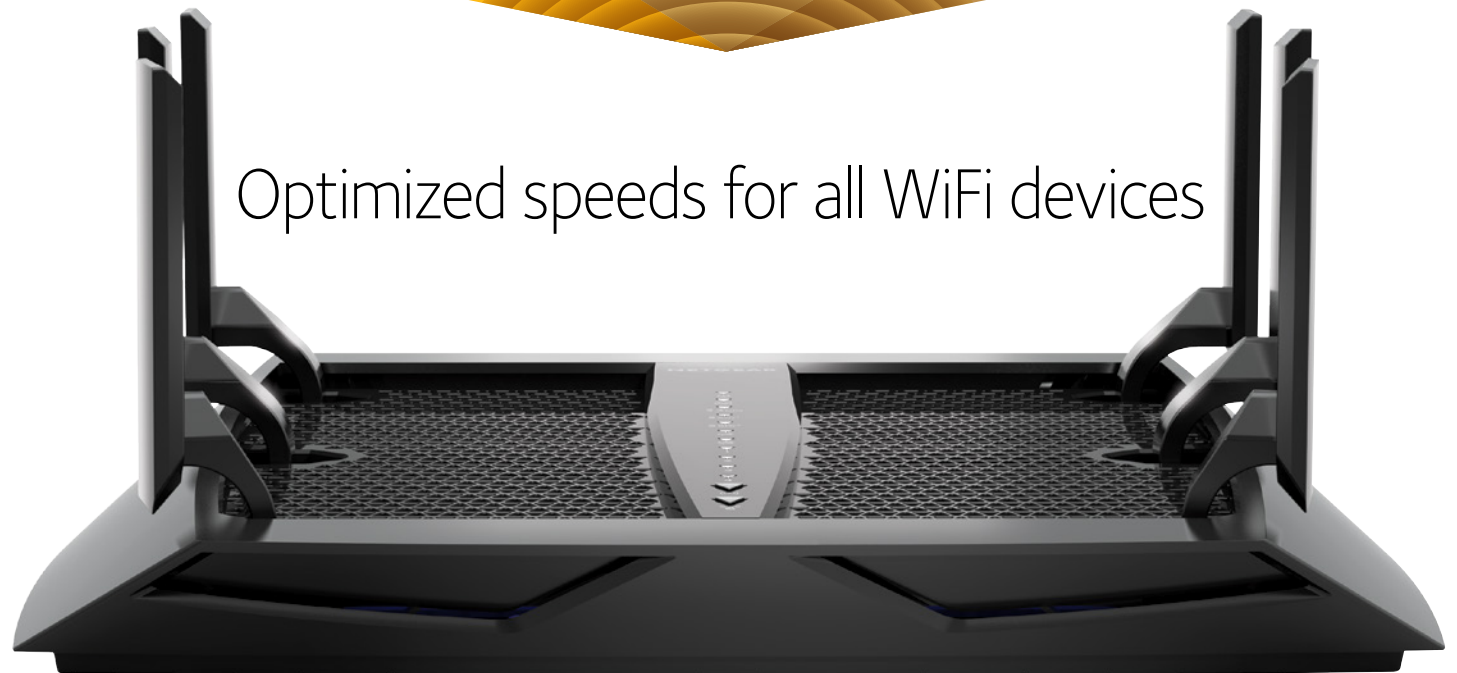
Tri-Band WiFi

The Nighthawk X6 AC3200 Router with breakthrough Tri-Band WiFi technology delivers a massive combined wireless speed of up to 3.2Gbps. X6 optimizes WiFi performance by intelligently assigning every device to the fastest WiFi band possible and doing so allows devices to connect at their maximum speed. Even if everyone and everything in the home that's connected to the Internet is streaming, gaming, working, playing, socializing or updating at the same time, the X6 won't miss a beat—you'll enjoy seamless clarity and zero lag.

Tri-Band WiFi provides 3 dedicated WiFi Bands



Optimized speeds for all WiFi devices



NIGHTHAWK®**Nighthawk® X6–AC3200 Tri-Band WiFi Gigabit Router****Speed**

Get super fast WiFi & enjoy a blazing-fast, lag-free WiFi experience for gaming, video streaming or surfing.



EXTREMELY FAST WIFI–3.2Gbps The fastest combined WiFi speed for uninterrupted streaming



GIGABIT WIFI–Next-generation WiFi now at Gigabit speeds



GIGABIT WIRED–Ideal for HD gaming & video



DUAL-CORE PROCESSOR–Dual-core 1GHz processor boosts wireless, wired & WAN-to-LAN performance

WiFi Range

Faster and expanded coverage throughout your home and for all your devices.



ULTIMATE RANGE–WiFi coverage throughout very large homes



HIGH-POWER ANTENNAS–High-power amplifiers with 6 external antennas

Sharing

With NETGEAR, sharing across your network is fun and easy, anything from accessing stored photos & music. And make sure you keep it safe by using ReadyCLOUD USB access application for backing up Windows-based PCs.



READYSHARE® USB ACCESS–Wirelessly access & share USB hard drive via two (2) USB ports



ONE SUPERSPEED USB 3.0 PORT–Up to 10x faster than USB 2.0



READYCLOUD® USB ACCESS–Enjoy personal & secure cloud access to USB storage anytime, anywhere



READYSHARE® VAULT–Free software for automatic PC backup to a USB hard drive connected to the router

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Reliable Connections

There's nothing more frustrating than lost connections! With NETGEAR's advanced features & best-in-class technology, you'll reduce interference & enjoy more reliable WiFi connectivity.



BEAMFORMING+—Boosts speed, reliability, & range of WiFi connections for 2.4 & 5GHz bands



SIMULTANEOUS TRI-BAND—More & faster WiFi connections for all devices



DYNAMIC QoS—Dynamic QoS automatically recognizes & prioritizes streaming & gaming applications

Ease Of Use

Start enjoying your new device faster than ever. NETGEAR wants to make sure installation and management is simple & easy, so you can connect quickly & make sure you stay that way!



EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers



NIGHTHAWK APP—Easily set up your router and get more out of your WiFi. Includes remote access to manage your network away from home



VOICE CONTROLLED BY AMAZON ALEXA—Control your NETGEAR WiFi network with simple voice commands

Security

Maintain high security across your network to ensure your privacy & family is safe while online. Whether it's preventing phishing & spyware or just limiting access for kids & guests, NETGEAR has you covered.



NETGEAR ARMOR™—Cybersecurity for your home^{††}. Advanced cyber threat protection for your home network and your connected devices



PARENTAL CONTROLS—Circle™ - the smart way for families to manage content and time online, on any device



VPN SUPPORT—OpenVPN Connect app on iOS and Android® allows remote secure access to the home network



SECURE WIFI CONNECTIONS—Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)



GUEST NETWORK—Separate and secure network for your guests



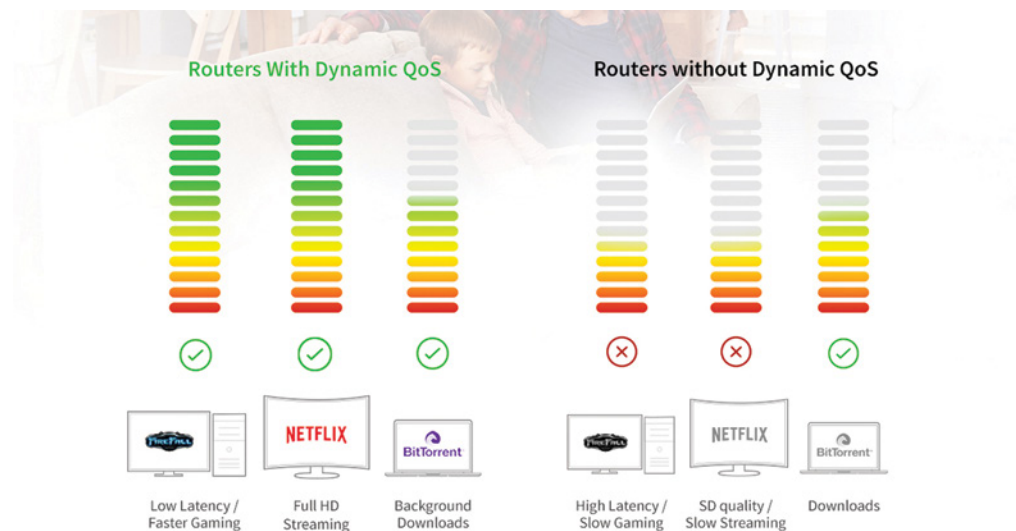
AUTOMATIC FIRMWARE UPDATE—Delivers latest security patches to the router



PERSONAL FTP SERVER—Customized free URL to create FTP server

Dynamic Quality Of Service

If you like gaming and streaming videos, then you'll benefit from Dynamic Quality of Service (QoS). Dynamic QoS resolves Internet traffic congestion when you have competing Internet demands at home. Dynamic QoS identifies your online activities by application and device, and then utilizes bandwidth allocation, and traffic prioritization techniques, to automatically allocate more bandwidth to latency sensitive applications like online gaming and video streaming, while ensuring that lower priority applications continue to work.



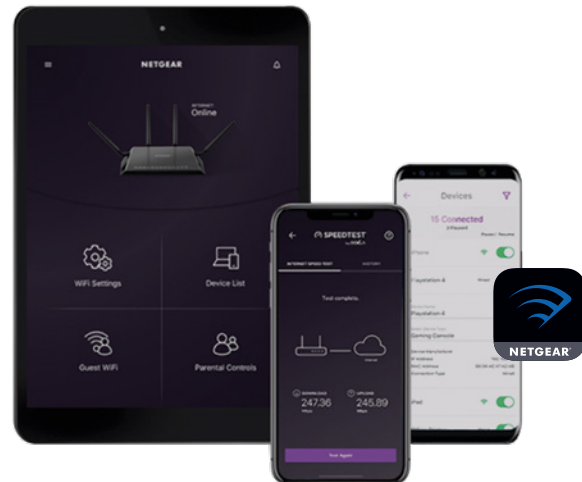
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Nighthawk® App

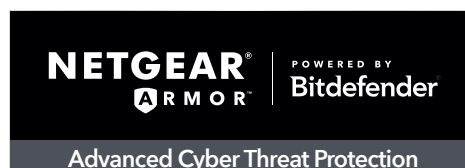
The NETGEAR Nighthawk® App makes it easy to set up your router and get more out of your WiFi, with the app, you can install your router in a few steps—just connect your mobile device to the router network and the app will walk you through the rest. Once set up, you can use the intuitive dashboard to pause the Internet on your connected devices, run a quick Internet speed test, setup smart parental controls and much more.

- Smart Parental Controls—Easily manage content & time online with Circle®
- Remote Management—Easily monitor your home network anytime, anywhere
- Internet Speed Test—Check the broadband speeds from your service provider
- Pause Internet—Pause the Internet to any device
- Traffic Meter—Track Internet data usage
- Guest Networks—Setup separate WiFi access for guests
- Protect your devices from cyber threats, block malware & more with NETGEAR Armor™
- Quick Setup—Get connected in just minutes



NETGEAR Armor™

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 home network or take action on vulnerabilities as they are discovered easily through the Nighthawk App.



Powerful Security on Your NETGEAR Router



ANTIVIRUS & RANSOMWARE PROTECTION—Keeps you safe from phishing and online fraud



VULNERABILITY ASSESSMENT—Scans and identifies network security flaws



BITDEFENDER TOTAL SECURITY 2020—Protects all connected devices at home and on-the-go



BITDEFENDER VPN—Encrypts your internet connection to keep your online activity private even while you're on unsecured public networks



STAY SAFE EVEN WHEN AWAY FROM HOME WIFI—Stay in the know with Nighthawk App. Anywhere, anytime

NIGHTHAWK®

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circle® Circle is the smart way for families to manage content and time online, on any connected device. With the Circle app, you can easily:

- Limit daily Internet time for websites, apps, and more
- Set a BedTime for your family's devices
- Set individual filter for each family member that matches their age and interests
- Pause Internet by device or by user with a press of a button
- Schedule specific 'no internet' times with OffTime
- Check out where your family spends time online
- Reward kids with extended Time Limits, no OffTime, and a late BedTime for the day
- Use voice commands to ask Alexa™ about Time Limits and Usage

Learn more netgear.com/circle

Key Features:



FILTERS



TIME LIMITS



BEDTIME



USAGE



PAUSE



OFF TIME



REWARDS



HISTORY

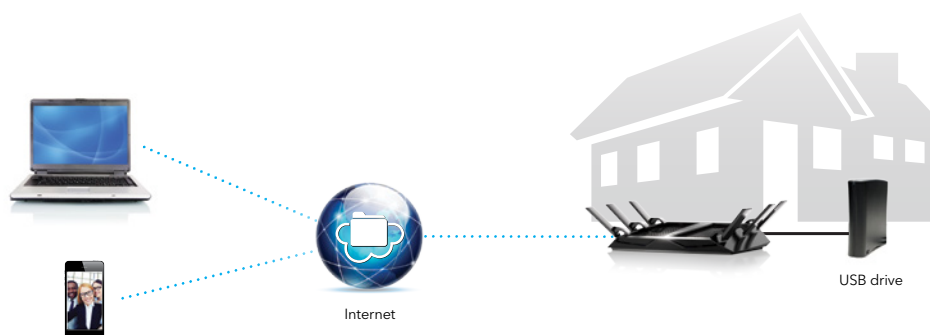


CONNECTIONS

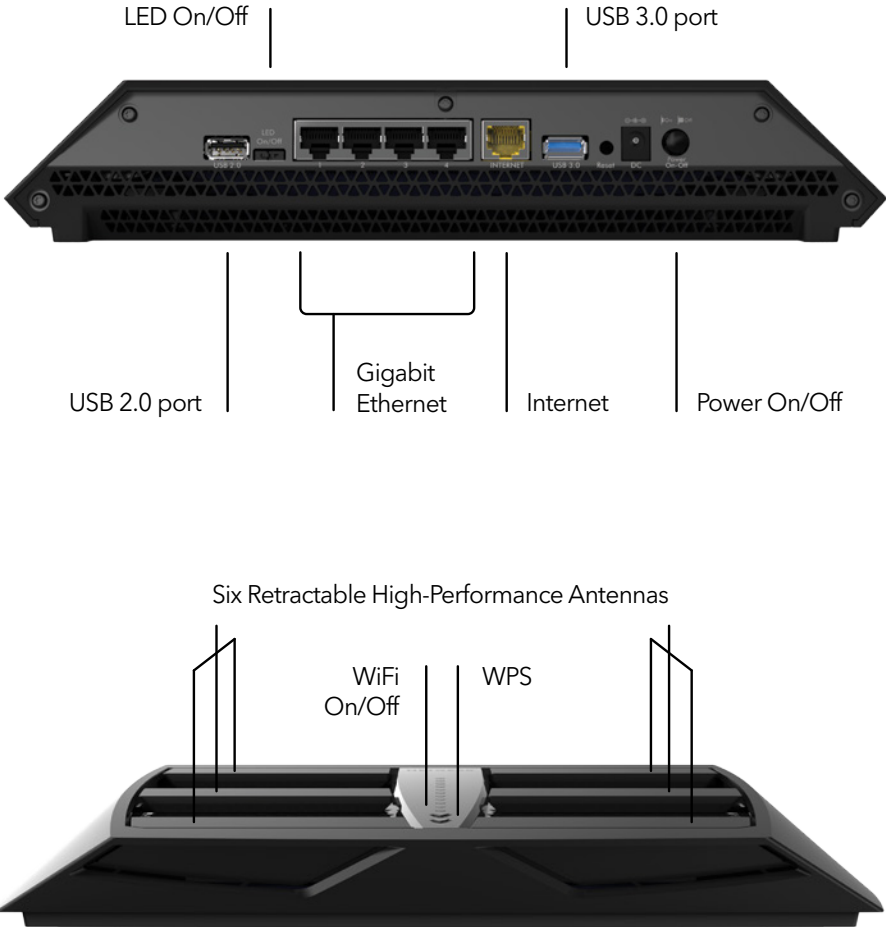
ReadyCLOUD® USB Access—Access Your Files Wherever, Whenever

Access and share your files via secure, personal cloud storage with NETGEAR ReadyCLOUD® USB Access. Once you've connected your USB drive to your NETGEAR Nighthawk® X6 and uploaded all your favorite files, you can enjoy the convenience and accessibility anytime & anywhere you have an Internet connection. No fees, storage limitations, or privacy concerns of cloud storage services. Using the ReadyCLOUD mobile app or web portal, you'll now have anytime, anywhere access to your USB drive at home... it's that easy!

- Setup your and access ReadyCLOUD via the web portal <http://readycloud.netgear.com/>
- Download mobile app for Android <https://play.google.com/store/apps/details?id=com.netgear.readycloud&hl=en>

**NETGEAR®**

Connection Diagram



NIGHTHAWK®

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Package Contents

- Nighthawk® X6 AC3200 Tri-Band WiFi Router (R8000)
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

Physical Specifications

- Dimensions: 11.63 x 8.92 x 2.14 in (295.5 x 226.8 x 54.5 mm)
- Weight: 2.43lb (1.1kg)

Technical Specifications

- AC3200[†] WiFi
 - Band 1: 600Mbps @2.4GHz - 256QAM
 - Band 2: 1300Mbps @5GHz
 - Band 3: 1300Mbps @5GHz
- Simultaneous Tri-Band WiFi
 - Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz) + 3x3 (5GHz)
 - IEEE® 802.11 b/g/n 2.4GHz - 256QAM support
 - IEEE® 802.11 a/n/ac 5GHz
- Smart Connect intelligently selects the fastest WiFi for every device
- Six (6) high-performance external antennas
- High-power amplifiers
- Dynamic QoS intelligently prioritizes video streaming & gaming
- Implicit & Explicit Beamforming for 2.4 & 5GHz
- Powerful dual-core 1GHz processor
- Five (5) 10/100/1000Mbps Gigabit Ethernet ports
 - 1 WAN & 4 LAN
- Memory: 128 MB flash and 256 MB RAM
- Two (2) USB ports : 1 USB 3.0 & 1 USB 2.0 port
- ReadySHARE® USB to share your USB hard drive & printer
- IPv6 Support (Internet Protocol Version 6)
- On/Off LED light switch

Standards

- One (1) USB 3.0 port
- IEEE® 802.11 b/g/n 2.4GHz + 256 QAM support
- IEEE® 802.11 a/n/ac 5.0GHz
- Five (5) 10/100/1000Mbps–(1 WAN & 4 LAN) Gigabit Ethernet ports

Key Features

- Smart Connect—same WiFi network name on 2.4 & 5GHz for automatic band selection
- ReadySHARE® USB—Share your USB hard drive and printer
- Customized free URL to set up personal FTP server
- VPN support—secure remote access. Now also on Mobile devices
- Guest network access—separate & secure
- Implicit & Explicit Beamforming—more reliable connections
- Alexa Voice Control—Use Amazon Alexa™ to control your network with simple voice commands
- Nighthawk App—Easily set up your router and get more out of your WiFi. Includes remote access to manage your network away from home
- NETGEAR Armor™—Advanced cyber threat protection for your home and all your devices^{††}
- Circle® Smart Parental Controls^{**}—Manage your content and time online, on any device

Support

- 90-day complimentary technical support following purchase from a NETGEAR authorized reseller
- Join the NETGEAR Community Forum. Visit <http://community.netgear.com>

System Requirements

- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Firefox® 2.0, Safari® 1.4, or Google Chrome™ 11.0 browsers or higher

Security

- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- Automatic firmware update delivers latest security patches to the router
- Double firewall protection (SPI and NAT)
- Denial-of-service (DoS) attack prevention
- VPN Support—Secure access to your home network away from home
- Customized free URL to set up personal FTP server
- NETGEAR Armor™—Advanced cyber threat protection for your home network and your connected devices^{††}
- Circle® Smart Parental Controls^{**}—Manage content and time online for your connected devices. Learn more at netgear.com/circle

Warranty

- www.netgear.com/warranty
- Extend your warranty & technical support within 90 days of product purchase [US only]. Visit: prosupport.netgear.com/home

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

[†] Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and may be lowered by network and environmental conditions, including network traffic volume and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. Up to 3200 Mbps wireless speeds achieved when connecting to other 802.11ac 3200 Mbps devices.

[‡] MU-MIMO capability requires both router and client device to support MU-MIMO.

^{**}Circle® includes the Free Basic Plan. Fees apply for a Premium Plan. Visit netgear.com/circle for more information.

^{††}NETGEAR Armor requires a paid subscription after the initial introductory period.

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

For indoor use only.

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