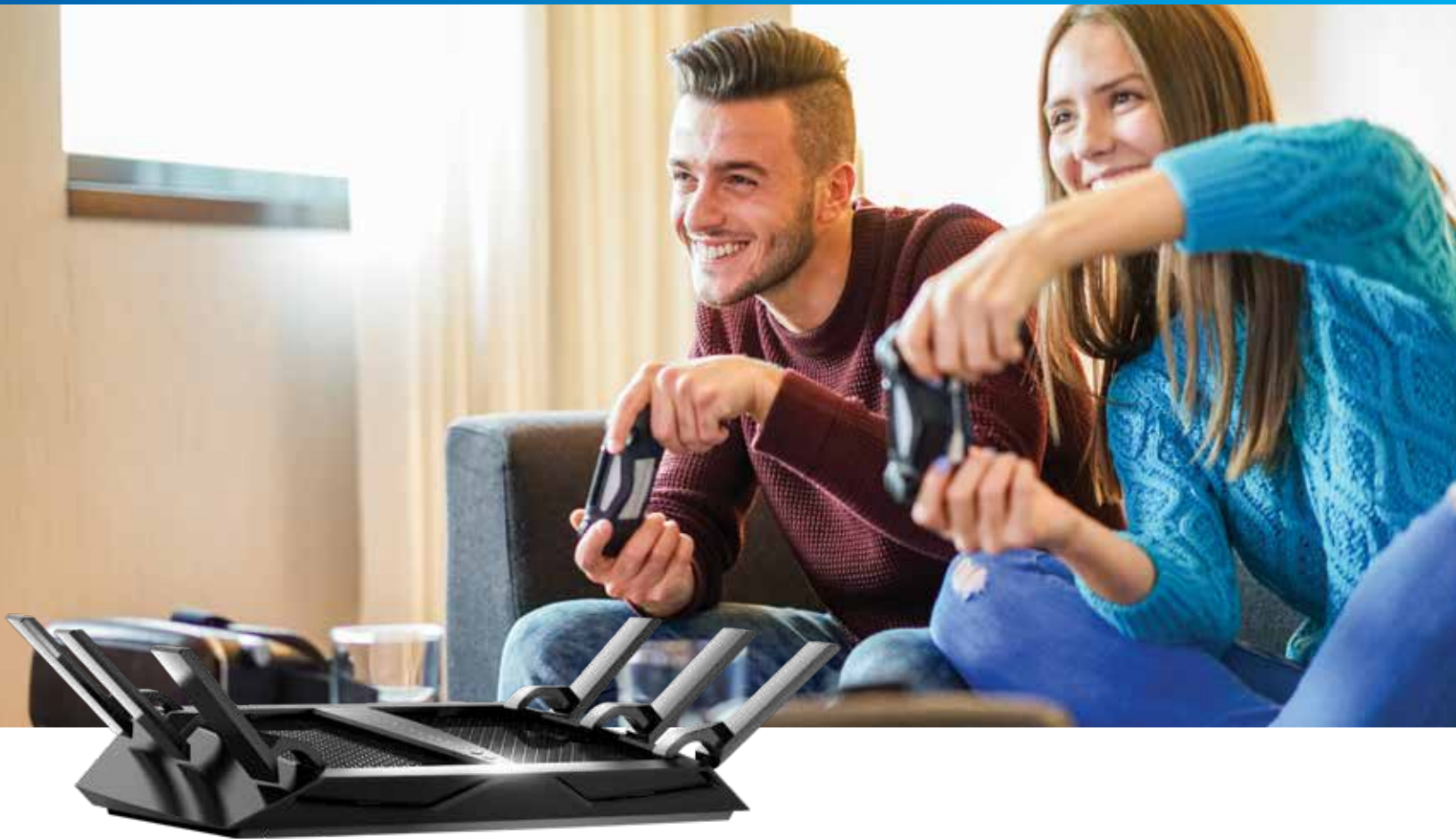


**NIGHTHAWK®**

Nighthawk® X6S AC3000 Tri-Band WiFi Router



## Leading the New Era of WiFi

Nighthawk® X6S AC3000 Tri-Band WiFi Router is powered by high-power amplifiers and antennas to extend your WiFi coverage. Blazing-fast combined WiFi speeds up to 3.0Gbps and 1.8GHz 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. With NETGEAR Armor™, you get complete cyber threat protection built into your router for

an unlimited number of devices connected to your network, including IoT devices, tablets, computers, and smartphones. Easily manage content and time online on any of your family's devices with Circle® Smart Parental Controls.

**NETGEAR®**

# NIGHTHAWK®

## Nighthawk® X6S AC3000 Tri-Band WiFi Router

### GAMING | FOR THE WIN

You need the best when you're taking on the online gaming world. The Nighthawk® X6S is the pro gaming choice and the latest in AC3000 speed and performance. Powerful dual-core 1.8GHz processor and three offload processors provide WiFi speeds up to 3.0 Gbps. Nighthawk's Tri-Band MU-MIMO WiFi ends game-lag and multiplies the intensity of immersive, uninterrupted, online gaming.



### STREAMING | ULTIMATE HD

Nighthawk X6S multiplies the entertainment factor for everyone in your home. Seamless, simultaneous streaming for multiple devices is now a reality thanks to powerful Tri-Band MU-MIMO WiFi and features like Smart Connect and Beamforming+—it's the end of buffering, jittery video, and lag as you know it. A built-in DLNA-ready server and iTunes® server add to your media enjoyment, allowing you to play and share your videos and music quickly and easily. 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 X6S Tri-Band WiFi with MU-MIMO provides more WiFi for more devices. That means more range and reliability for your mobile devices. Nighthawk X6S offers key features to dramatically boost mobile connectivity and performance. High-powered amplifiers & 6 high-performance foldable antennas help extend WiFi coverage throughout large homes & even backyards, while Beamforming+ focuses WiFi signals for stronger more reliable connections.



**Tri-Band WiFi**

The Nighthawk® X6S AC3000 Router with breakthrough Tri-Band WiFi technology delivers a massive combined wireless speed of up to 3.0 Gbps. X6S 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 X6S 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

**FAST****WiFi Band 1**

2.4GHz - Up to 450Mbps

**All Legacy  
WiFi Devices**

**FASTER****WiFi Band 2**

5GHz - Up to 1.3Gbps

**Dual Band  
WiFi Devices**

**FASTEST****WiFi Band 3**

5GHz - Up to 1.3Gbps

**Newer Dual Band AC  
WiFi Devices**



# NIGHTHAWK®

## Nighthawk® X6S AC3000 Tri-Band WiFi Router

### Speed

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



EXTREMELY FAST WIFI—Up to 3.0Gbps



SMART CONNECT—Automatically selects the best dual band WiFi connection for optimal wireless speed



GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds



MU-MIMO—Go faster by simultaneously streaming to multiple devices



GIGABIT WIRED—Ideal for HD gaming & video



DUAL-CORE PROCESSOR—Dual-core 1.8GHz 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 to wireless printing. And make sure you keep it safe by using ReadyCLOUD USB access application for backing up Windows-based PCs.



DLNA®—Find & play your media on DLNA TVs & game consoles



READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive via one (1) USB port



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

# NIGHTHAWK®

## Nighthawk® X6S AC3000 Tri-Band WiFi Router

### 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 DUAL BAND WIFI**—Reduces interference for better connections to more WiFi 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!



**SMART CONNECT**—Intelligently selects the fastest WiFi band for every device connection. One WiFi name for the entire home



**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<sup>††</sup>. Advanced cyber threat protection for your home network and your connected devices



**CIRCLE® SMART PARENTAL CONTROLS<sup>††</sup>**—The smart way for families to manage content and time online, on any connected 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

## 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, and much more!

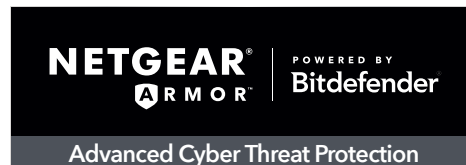
- Anywhere Access—Easily monitor your home network anytime, anywhere
- Internet Speed Test—Check the broadband speeds from your service provider
- Pause Internet—Pause the Internet to any device
- Traffic Meter—Track Internet data usage
- Guest Networks—Set up separate WiFi access for guests
- Quick Setup—Get connected in just minutes
- Get it at [nighthawk-app.com](http://nighthawk-app.com)





## NETGEAR Armor™

Powered by Bitdefender®, NETGEAR Armor™ is one of the most comprehensive and advanced security solutions that protects you and your family from hackers and viruses. It's built into your NETGEAR router and is easily managed through the NETGEAR iOS or Android app. NETGEAR Armor™ includes Bitdefender's award-winning anti-virus, anti-malware, total protection suite for unlimited computers, smartphones, and tablets plus Bitdefender VPN to safeguard these devices—anywhere you go.



### Advanced Security Built into Your NETGEAR Router



**PROTECTS ALL CONNECTED DEVICES**—Safeguard all your smart home devices, game consoles, TVs, and streaming players, as well as your tablets, computers, and smartphones.



**SENSITIVE DATA PROTECTION**—Keeps your data private by blocking attempts to send your login and banking info, SSNs, and more from being sent over unencrypted connections.



**ANOMALY DETECTION**—Blocks unusual behavior on your connected devices detected by our machine learning algorithm to protect your network against attacks.



**BRUTE FORCE PROTECTION**—Protects the entire network by preventing connected smart devices from being compromised by botnet attacks, such as credential and encryption key attacks.



**DDoS PROTECTION**—Prevents and protects your network against crippling denial-of-service attacks.



**EXPLOIT PREVENTION/IDS**—Protects your data and devices by blocking attacks—like malicious intrusions—that try to exploit vulnerabilities in your connected devices or software.



**AUTOMATIC THREAT BLOCKING**—Blocks viruses, ransomware, phishing, spoofing, and other advanced cyberattacks threatening your network and connected devices with vulnerabilities.



**WEB PROTECTION**—Instantly blocks webpages that possibly contain harmful malware, phishing, or other malicious content. (For Android and iOS devices)



**VULNERABILITY SCAN**—Closes any backdoor entries or hackers by identifying weak passwords or credentials and firmware or services with vulnerabilities.



**REAL-TIME ALERTS**—Notifications of detected and blocked threats and when new devices connect to your network.



**MANAGE NETGEAR ARMOR EASILY**—Stay in the know with your Nighthawk App—anywhere, anytime.

### Your Armor subscription also includes features that protect your devices outside your home:



**BITDEFENDER SECURITY**—Install this protection on your desktop and laptop computers and mobile devices for an extra layer of cybersecurity 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.



**ANTI-THEFT PROTECTION**—Remotely locate, lock, and wipe your lost or stolen devices.

# NIGHTHAWK®

## Nighthawk® X6S AC3000 Tri-Band WiFi Router

**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](http://netgear.com/circle)

### Key Features:



FILTERS



TIME LIMITS



BEDTIME



USAGE



PAUSE



OFF TIME



REWARDS



HISTORY



CONNECTIONS



### 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.

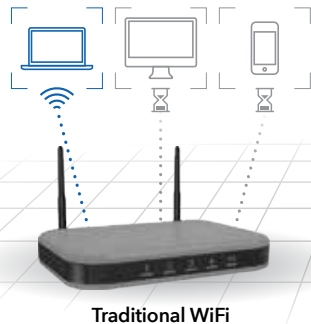


### Multi-User MIMO (MU-MIMO)

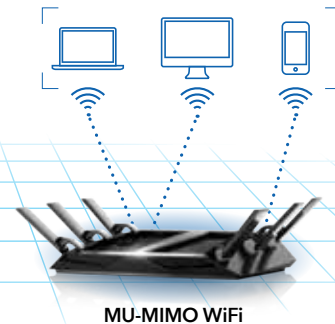
Traditional WiFi routers can stream data to only one device in the home at a time. When multiple devices are connected to the router, each device needs to take its turn, and then wait before receiving more data. This can lead to slower network and Internet speeds. Using Multi-User MIMO technology, NETGEAR routers can stream data to multiple devices simultaneously. With MU-MIMO, your WiFi network can deliver faster throughput to every MU-MIMO connected device. That means faster downloads and smoother streaming for your devices.

## Enjoy simultaneous streaming with MU-MIMO

Data sent to one device at a time



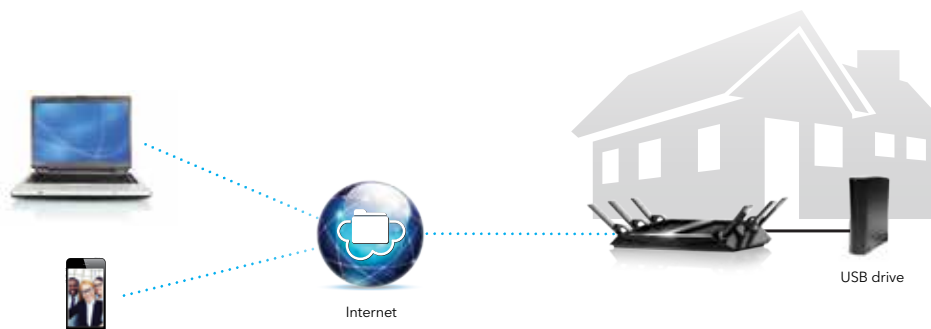
Data sent to multiple devices simultaneously



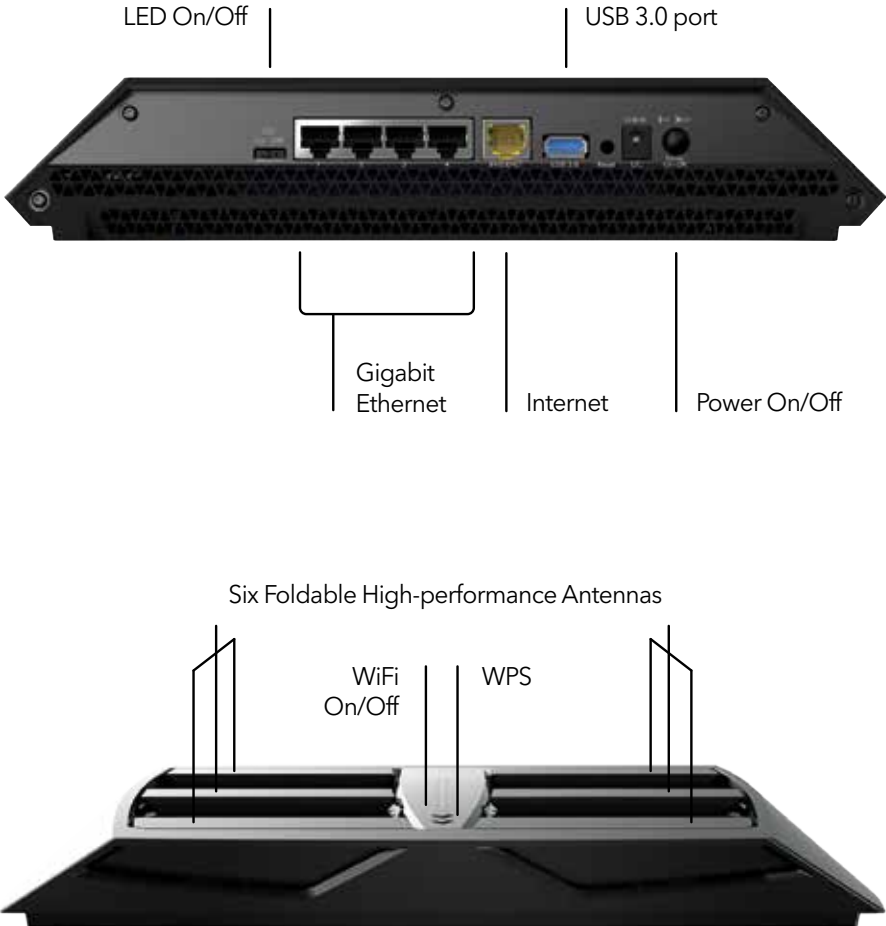
### ReadyCLOUD® USB Access—Access Your Files Wherever, Whenever

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® X6S 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>



### Connection Diagram



# NIGHTHAWK®

## Nighthawk® X6S AC3000 Tri-Band WiFi Router

### Package Contents

- Nighthawk® X6S AC3000 Tri-Band WiFi Router (R7900P)
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

### Physical Specifications

- Dimensions: 11.63 x 8.92 x 2.14 in
- Weight: 2.43lb

### Technical Specifications

- AC3000<sup>†</sup> WiFi
  - Band 1: 450 Mbps @2.4GHz
  - 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
  - IEEE® 802.11 a/n/ac 5GHz
- Powerful dual-core 1.8GHz processor
- Memory: 128 MB flash and 512 MB RAM
- Six (6) high-performance external antennas
- High-power amplifiers
- Five (5) 10/100/1000Mbps
  - 1 WAN & 4 LAN Gigabit Ethernet ports
- One (1) USB 3.0 Port
- IPv6 Support (Internet Protocol Version 6)
- On/Off LED lights option

### 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

- MU-MIMO—Simultaneous streaming of data for multiple devices<sup>†</sup>
- Smart Connect—Same WiFi network name on 2.4 & 5GHz for automatic band selection
- Link Aggregation—Ability to aggregate two Gigabit LAN ports for faster file transfers
- ReadySHARE® USB—Share your USB hard drive
- 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
- Automatic firmware update delivers latest security patches to the router
- Alexa Voice Control—Use Amazon Alexa™ and the NETGEAR Skill to control your network with simple voice commands
- Circle® Smart Parental Controls<sup>††</sup>—Manage your content and time online, on any connected device
- NETGEAR Armor™—Advanced cyber threat protection for your home network and all your connected devices<sup>††</sup>

### 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
- NETGEAR Armor™—Advanced cyber threat protection for your home network and your connected devices<sup>††</sup>
- Circle® Smart Parental Controls<sup>††</sup>—Manage your content and time online, on any connected device

### Warranty

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

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

This router does not support all the mandatory features, such as Uplink OFDMA, as ratified in Draft 3.0 of IEEE 802.11AX specification.

<sup>†</sup> 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.

<sup>†</sup> MU-MIMO capability requires both router and client device to support MU-MIMO.

<sup>††</sup>NETGEAR Armor™ requires a paid subscription after the initial 30-day free trial. (No credit card required for the trial). Visit [netgear.com/armor](http://netgear.com/armor).

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

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