

# NIGHTHAWK®

## Nighthawk® AX6 6-Stream AX5400 WiFi Router



### WiFi 6 for Today's Smart Devices

Built with the latest generation WiFi 6 technology, the NETGEAR® Nighthawk® AX6 6-Stream AX5400 WiFi Router provides speeds up to 5.4Gbps so you can connect, stream, and download faster to newer mobile devices. Powerful 1.5GHz triple-core processor ensures superior performance for concurrent real-time applications such as multimedia streaming, online gaming, and audio/video chats. Engineered to deliver

up to 4 times the data capacity over previous standards, WiFi 6 technology with 160MHz channel support allows more devices to connect and stream simultaneously, without impacting speed or reliability. High-power amplifiers increase range for reliable whole home network. This next-gen router is recommended for medium to large homes, suitable for up to 25 connected devices. With NETGEAR Armor™, you get multi-layered

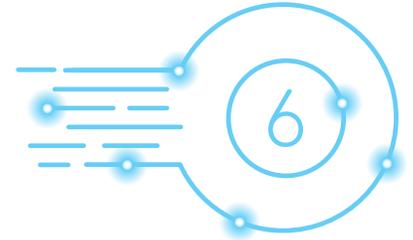
cybersecurity for an unlimited number of devices that provides encrypted connections, keeps your online activity private, secures lost or stolen devices, and blocks suspicious devices on your network. Experience the ease of managing your kids' time online across their connected devices and promote healthy habits anywhere they go with NETGEAR Smart Parental Controls™.

# NETGEAR®



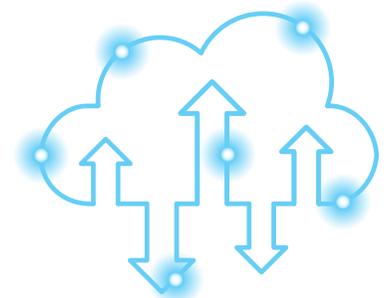
### 6-Stream AX WiFi

Stream smooth 4K UHD content to smart TVs, mobile devices, and gaming consoles.



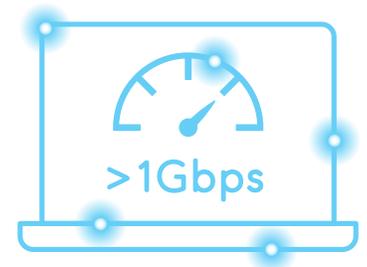
### Faster Upload & Download Speeds

Faster WiFi download & upload speeds at the same time.



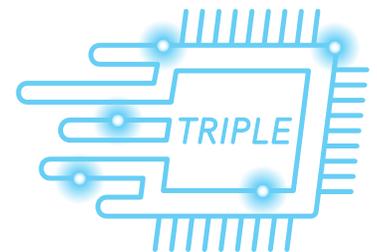
### Greater than 1Gbps WiFi Speeds

Enjoy greater than 1Gbps WiFi speeds for blazing-fast streaming and downloading to newer mobile devices.



### Powerful Triple-core 1.5GHz Processor

More processing power increases the overall performance of your network.



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## Speed

Get ultra-fast wireless speeds for better 4K UHD streaming, gaming or video conferencing experience.



**4.5X BETTER PERFORMANCE THAN AN AC ROUTER**—6-stream WiFi with up to 5.4Gbps<sup>†</sup> for fast wireless speeds<sup>†</sup>



**UP TO 5.4GBPS<sup>†</sup> SPEEDS**—600+4800Mbps with 6-stream connectivity\*\*



**160MHZ CHANNEL SUPPORT\*\*\***—Enjoy greater than 1Gbps WiFi speeds for blazing fast streaming and downloading to newer mobile devices



**SUPERSPEED USB 3.0 PORT**—Up to 10x faster than USB 2.0



**5 GIGABIT PORTS**—Connect more wired devices for faster file transfer and uninterrupted connections with 1 WAN & 4 LAN Ethernet ports



**1024-QAM**—25% increased data efficiency and faster speeds than a 256-QAM router

## Capacity

Get better performance for all your smart home devices even when your family is busy streaming videos or uploading media files during the Internet rush hour.



**MORE WIFI FOR MORE DEVICES**—Allows efficient data transmission to devices simultaneously.<sup>§</sup>



**AX OPTIMIZED POWERFUL PROCESSOR**—1.5GHz triple-core processor ensures smooth 4K UHD streaming

## WiFi Range

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



**ULTIMATE RANGE**—WiFi coverage throughout very large homes



**MAXIMIZE RANGE**—Four (4) high-power external antennas extend wireless range coverage indoors and out

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## Sharing

With NETGEAR, sharing across your network is fun and easy, such as accessing stored photos & music.



**USB 3.0 PORT**—Faster streaming, backup and easy access to your stored media

## 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+**—Improve range and performance for both 2.4 and 5GHz devices



**SIMULTANEOUS DUAL BAND WIFI**—Reduces interference for better connections to more WiFi devices



**ADDITIONAL DFS CHANNELS**—Reduce interference from neighboring networks

## 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!



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



**AX WIFI SUPPORTS ALL CURRENT WIFI DEVICES**—WiFi 6 supports all current WiFi device and is backward compatible with WiFi 5 and earlier generation devices



**VOICE CONTROLLED BY AMAZON ALEXA® & THE GOOGLE ASSISTANT**—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



NETGEAR SMART PARENTAL CONTROLS™ –Easily manage your kids time online across their connected devices<sup>§§</sup>



VPN SUPPORT –On PC, MAC, & now also with OpenVPN Connect app on iOS & Android, securely access your home network & Internet connection from your mobile device remotely



STANDARDS-BASED WIFI SECURITY (802.11i, 128-bit AES encryption with PSK)



GUEST NETWORK –Separate and secure network for your guests



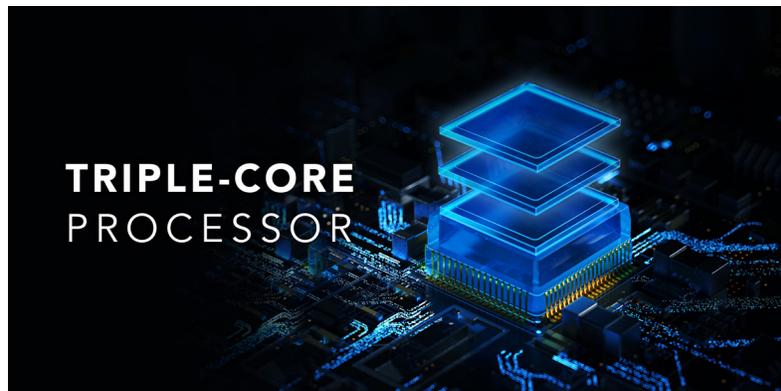
AUTOMATIC FIRMWARE UPDATE –Delivers latest security patches to the router



LATEST SECURITY STANDARD –Supports WPA3 the latest and cutting-edge Wi-Fi security protocol

### Powerful Triple-core Processor

Nighthawk AX6 WiFi Router is powered by a powerful triple-core processor designed to transfer Multi-Gigs of data. Full-packet processing offload means zero load on the CPU. Enjoy smoother Ultra-HD 4K video streaming and gaming without interruptions.



### Gigabit WiFi to Mobile Devices

Support for 160MHz channel allows the Nighthawk AX6 WiFi Router to stream at Gigabit speeds to supported mobile devices, which are increasingly used for video streaming or gaming.



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## Nighthawk® AX6 6-Stream AX5400 WiFi Router

### 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](https://nighthawk-app.com)



### 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 SECURITY**—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

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## NETGEAR Smart Parental Controls™ 5

Creating the safest online experience for your kids is important and our built-in Smart Parental Controls makes it easy.

You are in control of your kids' Internet connection:

- Pause the Internet for needed breaks
- Create custom profiles to manage online time for each kid

With the Premium subscription\*, you get even more insights into your kids' online activities to promote healthy habits:

- Get a detailed report of your kids' Internet usage and block any sites
- Customize filters for your kids and limit their Internet time

### Key Features:



PROFILES



PAUSE



CONTENT  
FILTER



TIME  
LIMITS



REWARDS



DEVICE  
USAGE



WEB  
HISTORY



OFFTIME



BEDTIME

\*Premium Subscription: Get a 30-day free trial; no credit card required. \$7.99/month or \$69.99/year after end of trial.

### Connection Diagram



# NIGHTHAWK®

## Nighthawk® AX6 6-Stream AX5400 WiFi Router

### Package Contents

- NETGEAR® Nighthawk® AX6 6-stream AX5400 WiFi Router (RAX50)
- Ethernet cable
- 4 external antennas
- Quick start guide
- Power adapter

### Physical Specifications

- Dimensions: 11.65 x 8.11 x 2.25in (295.8 x 206 x 57.2mm)
- Weight: 1.25 lb (566 g)

### Technical Specifications

- Wi-Fi 6 (802.11ax) dual band WiFi (AX5400)
  - 2.4GHz AX: 2x2 (Tx/Rx) 1024/256-QAM 20/40MHz, up to 600Mbps
  - 5GHz AX: 4x4 (Tx/Rx) 1024-QAM 20/40/80/160MHz, up to 4.8Gbps
  - Backwards compatible with 802.11a/b/g/n/ac WiFi
- Powerful 1.5GHz triple-core processor
- One (1) USB 3.0 port
- Memory: 256MB flash and 512MB RAM
- 160MHz channel support
- Additional DFS channels reduce interference from neighboring networks
- Longer range with 4 high-performance antennas
- Five (5) 10/100/1000 Mbps Gigabit Ethernet ports
  - 1 WAN & 4 LAN

### Key Features

- 4.5X better performance than an AC router—6-stream WiFi with up to 5.4Gbps for fast wireless speeds\*\*
- 160MHz channel support\*\*\*—Enjoy greater than 1Gbps WiFi speeds for blazing fast streaming and downloading to newer mobile devices
- Powerful processor—1.5GHz triple-core processor ensures smooth 4K UHD streaming & gaming
- 4 Gigabit LAN Ethernet ports—Connect more wired devices for faster file transfer and uninterrupted connections
- Nighthawk® App—Easily set up your router and get more out of your WiFi. Includes access from anywhere to manage your network away from home
- NETGEAR Armor™—Advanced cyber threat protection for your home and all your devices††
- NETGEAR Smart Parental Controls™—Easily manage your kids time online across their connected devices§§
- WiFi 6 supports all current WiFi devices and is backward compatible with WiFi 5 and earlier generation devices
- Works with Amazon Alexa® & the Google Assistant—Control your NETGEAR WiFi network with simple voice commands

### System Requirements

- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 11 or higher, Microsoft Edge, Google Chrome® 55 or higher, Firefox® 45 or higher, Safari® 10 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
- Guest network access—separate & secure
- VPN Support—Secure access to your home network away from home
- Latest security standard—Supports WPA3 the latest and cutting-edge Wi-Fi security protocol
- NETGEAR Armor™—Advanced cyber threat protection for your home network and your connected devices††
- NETGEAR Smart Parental Controls™—Easily manage your kids time online across their connected devices§§

### 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)

### Support

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

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

90-day complimentary technical support following purchase 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. NETGEAR makes no representations or warranties about this product's compatibility with AX standards. Up to 5400Mbps wireless speeds achieved when connecting to other 802.11ax 5400Mbps devices.

\*\* When working with 160MHz clients as compared to a 2x2 AC router that does not support 160MHz.

\*\*\* Requires client device that supports 160MHz bandwidth on WiFi.

§ Requires compatible AX clients with DL-OFDMA and UL-OFDMA support.

‡ As compared to an AC1200 2x2 router.

†† 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)

§§ NETGEAR Smart Parental Controls™ Premium requires a paid subscription after the 30-day free trial. (No credit card required for the trial). Visit [netgear.com/spc](http://netgear.com/spc) for more

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