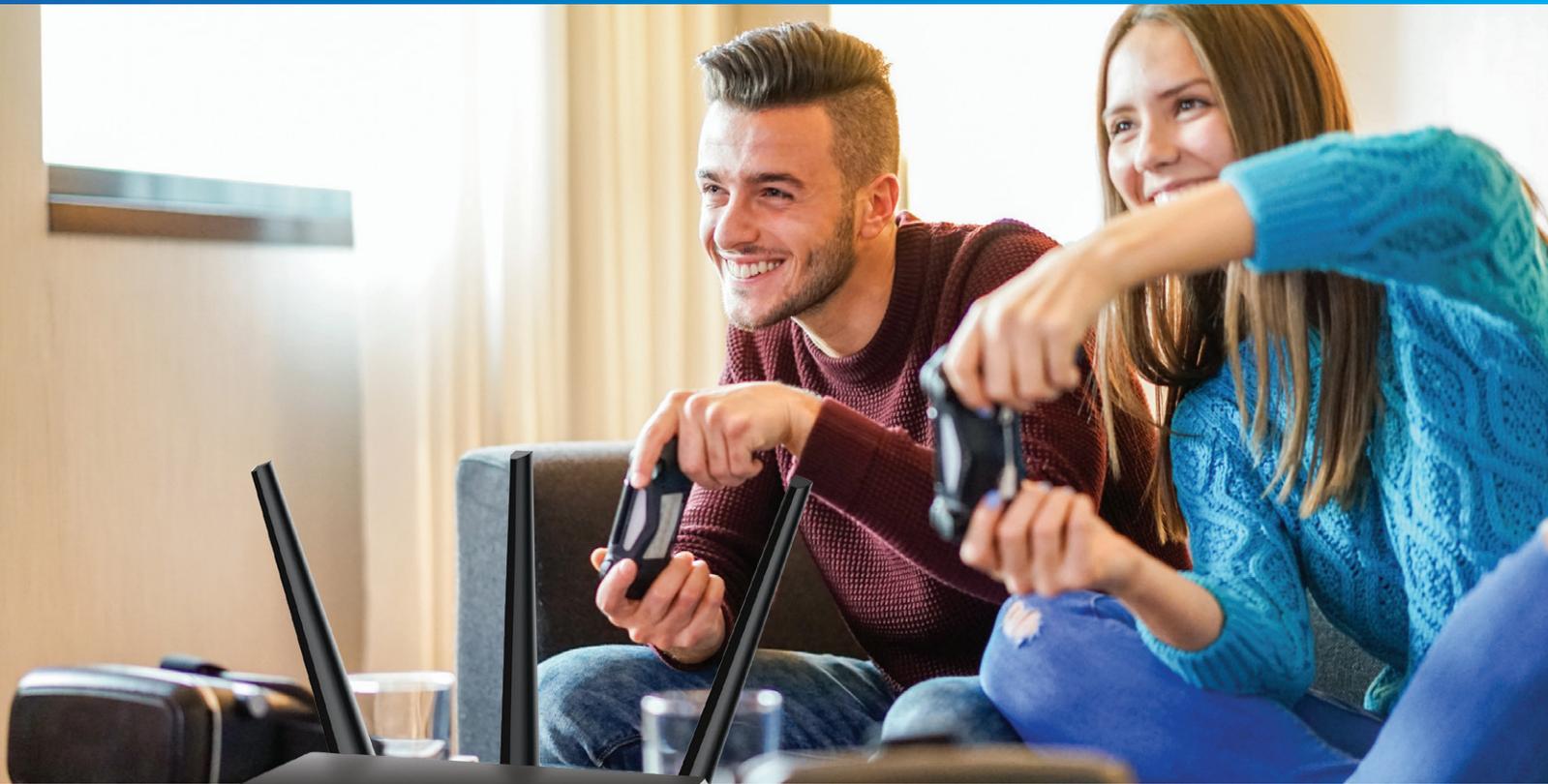


# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router—Dual Band Gigabit



## Leading the New Era of WiFi

Nighthawk® AC2300 Smart WiFi Router is powered by high-power amplifiers and antennas to extend your WiFi coverage. Blazing-fast combined WiFi speeds up to

2300Mbps\* 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.

# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router—Dual Band Gigabit

## GAMING | FOR THE WIN

Avoid character freezing & enjoy lag-free gaming with extreme 11AC speed & performance. Nighthawk delivers AC2300 WiFi, a powerful dual core 1GHz processor, & MU-MIMO for simultaneous streaming with multiple devices. When microseconds count, let Nighthawk accelerate your game. For the win.



## STREAMING | ULTIMATE HD

Stop buffering and start enjoying uninterrupted streaming media. With features like Dynamic QoS and Beamforming+ server you'll begin to stream like you mean it. Access your stored media quickly with USB 3.0.



## MOBILE | FASTER & FARTHER

Improve your mobile WiFi speeds by up to 100% with Nighthawk! High-power amplifiers & antennas help extend WiFi coverage throughout large homes & even backyards. For the first time Beamforming+ focuses WiFi signals to both 2.4 & 5GHz devices. With signals locked onto your device, experience what it really means to be mobile!



# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router—Dual Band Gigabit

## Speed

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



EXTREMELY FAST WIFI—Up to 2300Mbps†



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 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 POWERED ANTENNAS—High-powered amplifiers with 3 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 & printer 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 PRINTER—Wirelessly access & share a USB printer



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

# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router—Dual Band Gigabit

## 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.



**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)



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



**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



**NETGEAR ARMOR™**—Cybersecurity for your home

# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router–Dual Band Gigabit

## 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

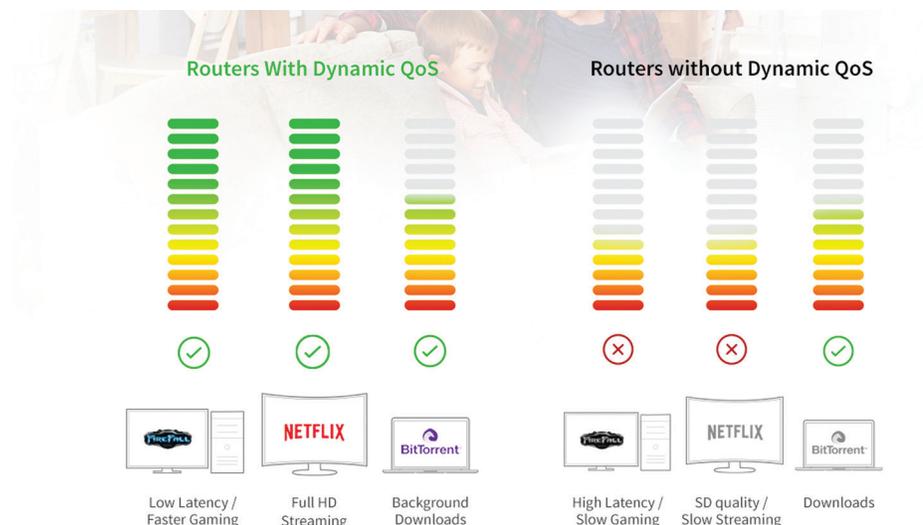
 **BITDEFENDER TOTAL SECURITY 2019**–Protects all connected devices at home and on-the-go

 **VULNERABILITY ASSESSMENT**–Scans and identifies network security flaws

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

## 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.

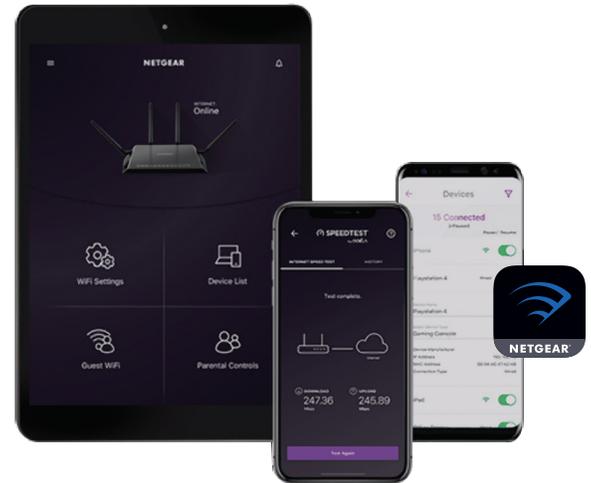


# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router–Dual Band Gigabit

## 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.

- Setup your WiFi in minutes
- Pause WiFi on any device
- Monitor your home network from anywhere
- Test your service provider Internet speed
- Track Internet data usage
- Setup separate guests network
- Protect your devices from cyber threats, block malware & more with NETGEAR Armor™
- Manage content & time online, on any device with Circle® with Disney parental controls



# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router—Dual Band Gigabit

## 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



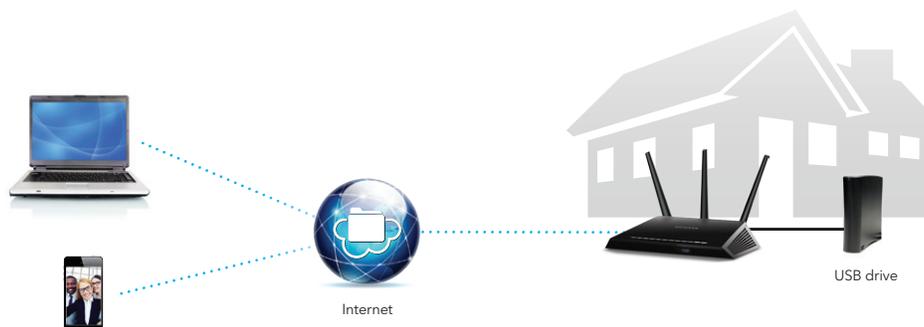
Data sent to multiple devices simultaneously



## 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® router 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>
- Download mobile app for iOS <https://itunes.apple.com/us/app/readycloud/id700730254?mt=8>



# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router–Dual Band Gigabit

## Circle® with Disney



Circle with Disney 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

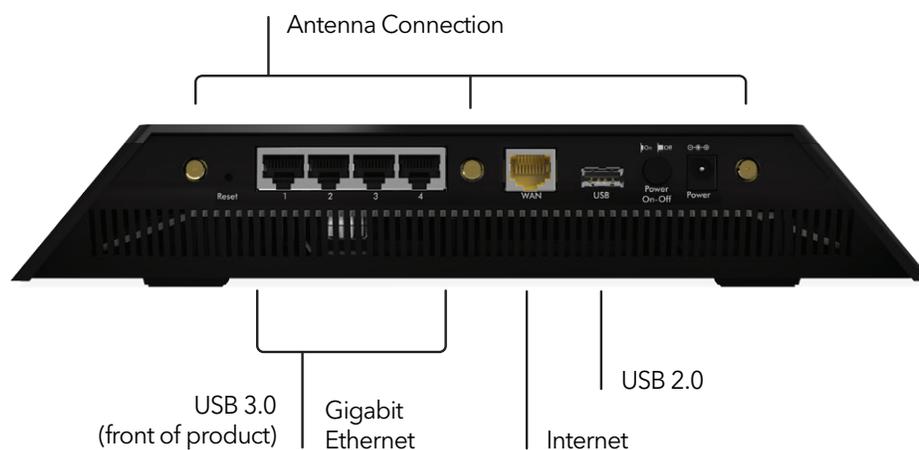


HISTORY



CONNECTIONS

## Connection Diagram



# NIGHTHAWK® Nighthawk® AC2300 Smart WiFi Router—Dual Band Gigabit

## Package Contents

- Nighthawk® AC2300 Smart WiFi Router (R7000P)
- Three (3) detachable antennas
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

## Physical Specifications

- Dimensions: 11.22 x 7.26 x 1.97 in (285 x 184.5 x 50 mm)
- Weight: 1.65lbs (750g)

## Technical Specifications

- AC2300 WiFi†
  - Band 1: 600Mbps @2.4GHz
  - Band 2: 1625Mbps @5GHz
- Simultaneous Dual Band WiFi
  - Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz)
  - IEEE® 802.11 b/g/n 2.4 GHz
  - IEEE® 802.11 a/n/ac 5.0 GHz - 256 QAM support
- Powerful Dual-Core 1GHz processor
- Memory: 128 MB Flash and 256 MB RAM
- Three (3) external antennas with high powered 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

- Two (2) USB ports—1 USB 3.0 & 1 USB 2.0 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†
- Smart Connect—Same WiFi network name on 2.4 & 5GHz for automatic band selection
- Dynamic QoS—Prioritizes bandwidth by application and device
- ReadySHARE® USB—Share your USB hard drive and printer
- ReadyCLOUD® USB Access—Enjoy personal & secure cloud access to USB storage
- Customized free URL to set up personal FTP server
- Automatic firmware update delivers latest security patches to the router
- 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

## 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 all your devices. Learn more at [Netgear.com/armor](http://Netgear.com/armor)

## 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.

† 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.

† MU-MIMO capability requires both router and client device to support MU-MIMO.

Circle® with Disney 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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