

**NIGHTHAWK**<sup>®</sup>Nighthawk<sup>®</sup> X6-AC3000 Tri-Band WiFi Gigabit Router

## Performance & Use

Nighthawk<sup>®</sup> X6 AC3000 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 3.0Gbps<sup>†</sup> 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.

**NETGEAR**<sup>®</sup>

**NIGHTHAWK®****Nighthawk® X6–AC3000 Tri-Band WiFi Gigabit Router****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 AC3000 speed and performance. Powerful dual-core 1GHz processor and three offload processors provide WiFi speeds up to 3.0Gbps. 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 software 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**

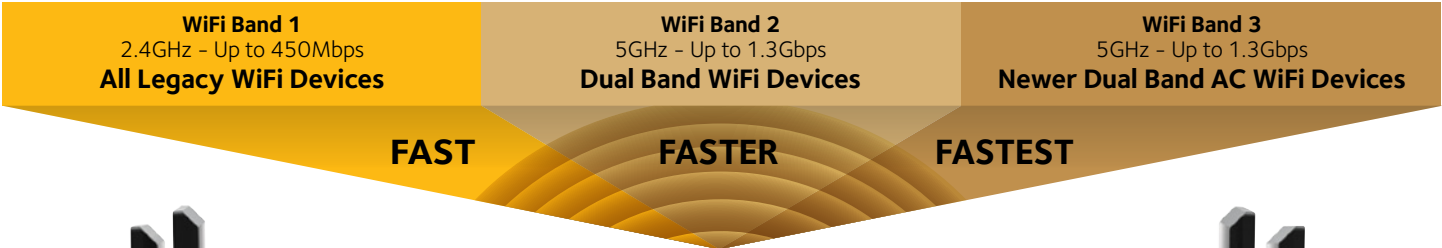
Nighthawk X6's Tri-Band WiFi provides more WiFi for more devices while dynamic QoS bandwidth prioritization optimizes your Internet speed for gaming and streaming. That means more range and reliability for your mobile devices. Nighthawk X6 offers key features to dramatically boost mobile connectivity and performance. High-power amplifiers & 6 high-performance antennas help extend WiFi coverage throughout large homes & even backyards, while Beamforming+ focuses WiFi signals for stronger, more reliable connections.

**NETGEAR®**

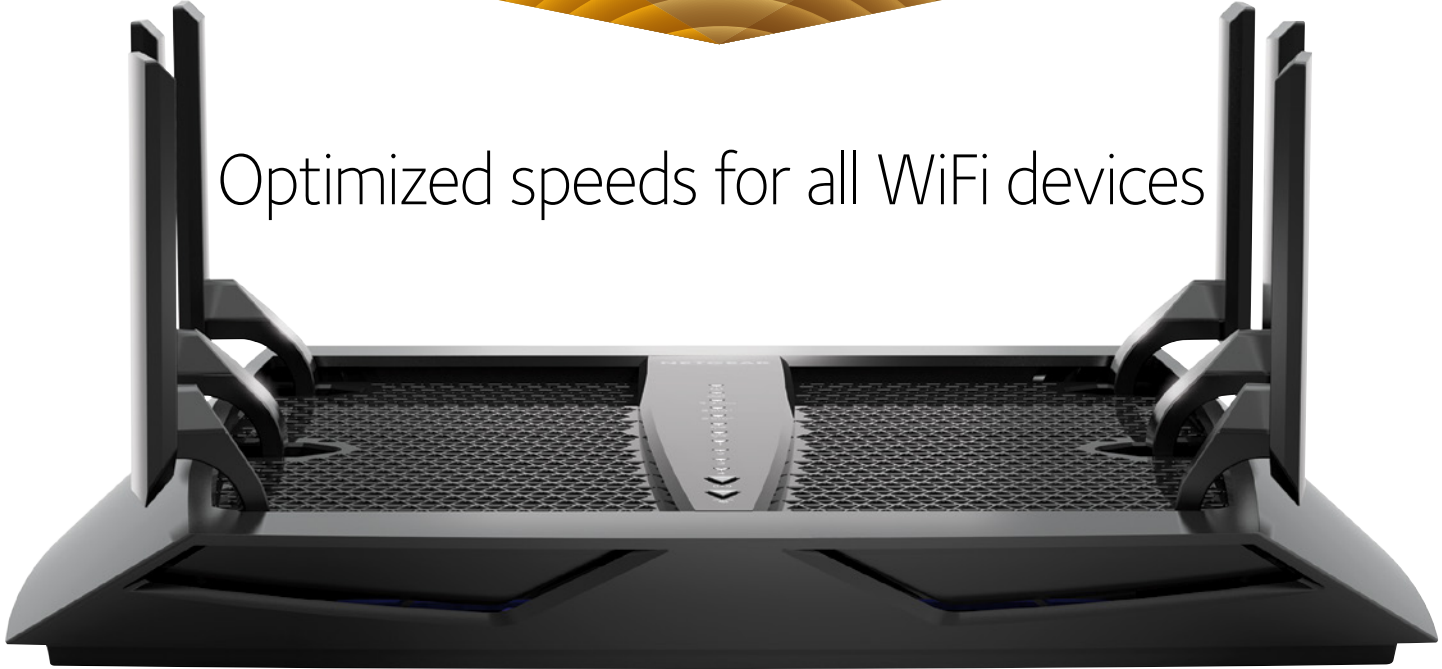
### Tri-Band WiFi

The Nighthawk X6 AC3000 Router with breakthrough Tri-Band WiFi technology delivers a massive combined wireless speed of up to 3.0Gbps. The 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



## Speed

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



**EXTREMELY FAST WIFI**—3.0Gbps 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 to wireless printing. 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 & 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

## 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

## 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® - the smart way for families to manage content and time online, on any device



**GUEST NETWORK**—Separate and secure network for your guests



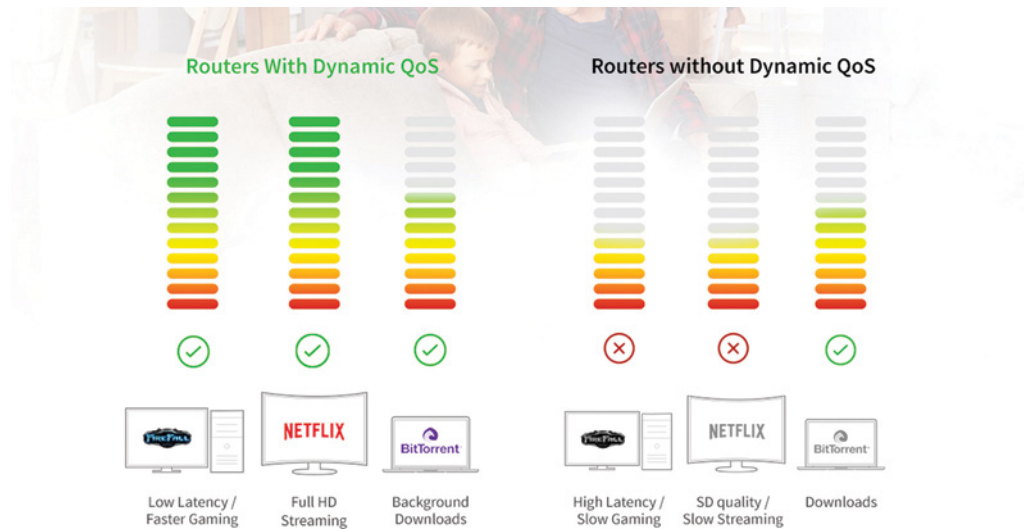
**AUTOMATIC FIRMWARE UPDATE**—Delivers latest security patches to the router



**PERSONAL FTP SERVER**—Customized free URL to create FTP server

### Dynamic Quality Of Service

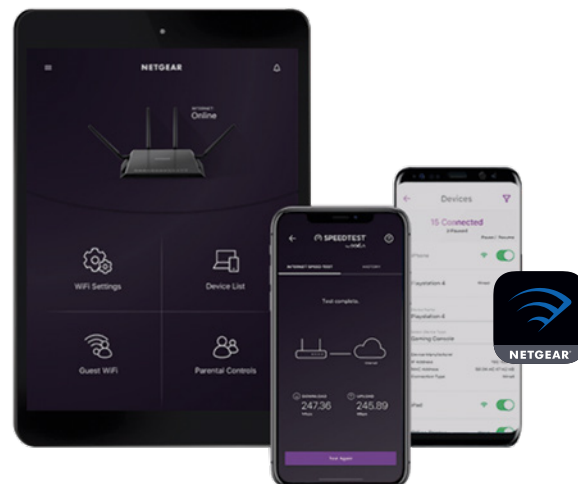
If you like gaming and streaming videos, then you'll benefit from Dynamic Quality of Service (QoS). Dynamic QoS resolves Internet traffic congestion when you have competing Internet demands at home. Dynamic QoS identifies your online activities by application and device, and then utilizes bandwidth allocation, 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® 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.

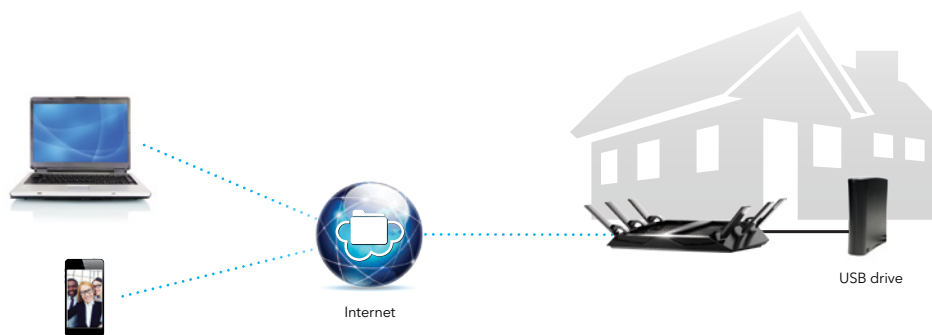
- Smart Parental Controls—Easily manage content & time online with Circle®
- Remote Management—Easily monitor your home network anytime, anywhere
- Internet Speed Test—Check the broadband speeds from your service provider
- Pause Internet—Pause the Internet to any device
- Traffic Meter—Track Internet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



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



**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



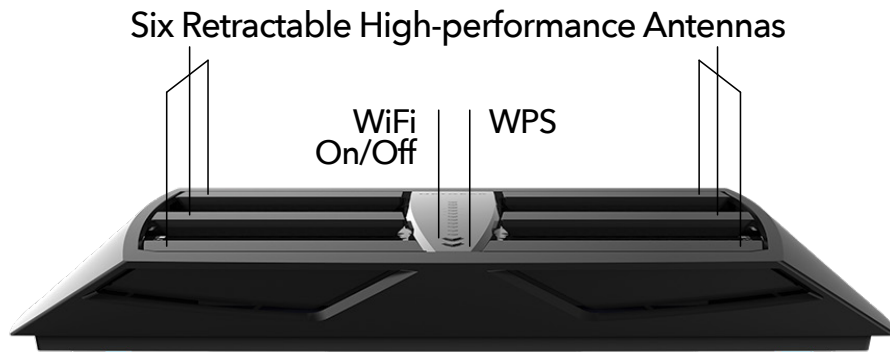
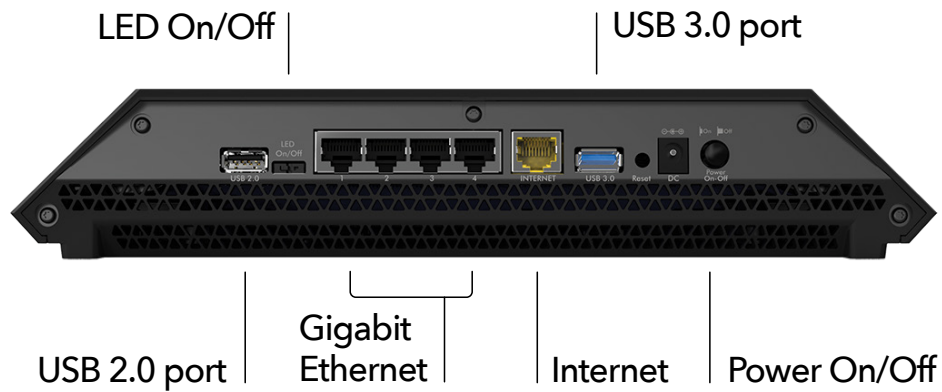
HISTORY



CONNECTIONS



### Connection Diagram



# NIGHTHAWK®

## Nighthawk® X6–AC3000 Tri-Band WiFi Gigabit Router

### Package Contents

- Nighthawk® X6 AC3000 Tri-Band WiFi Router (R7850)
- 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: 2.43lbs (1.1kg)

### Technical Specifications

- AC3200† WiFi
  - Band 1: 450Mbps @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
- 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: 128MB flash and 256MB 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
- 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
- Circle® –Smart parental controls

### 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

### 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.

\*90-day complimentary technical support following purchase from 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. 802.11ac 1300 Mbps is approximately 3x faster than 802.11n 450 Mbps. 2.4 GHz Performance Mode requires 256 QAM support on WiFi client. Up to 1300 Mbps wireless speeds achieved when connecting to other 802.11ac 1300 Mbps devices.

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

NETGEAR, the NETGEAR Logo, Nighthawk, ReadySHARE, and ReadyCLOUD are trademarks of NETGEAR, Inc. Mac, Mac OS, and the Mac logo are trademarks of Apple Inc. Any other trademarks mentioned herein are for reference purposes only. ©2020 NETGEAR, Inc.

NETGEAR, Inc. 350 E. Plumeria Drive, San Jose, CA 95134-1911 USA, [www.NETGEAR.com/support](http://www.NETGEAR.com/support)

D-R7850-1