NETGEAR®

Nighthawk™ X6—AC3200 Tri-Band WiFi Gigabit Router

3.2Gbps WiFi Speed

Performance & Use

- 3.2Gbps—The fastest combined WiFi speed for uninterrupted streaming
- Tri Band WiFi delivers more WiFi for more devices
- Six high performance antennas & powerful amplifiers maximize range
- Smart Connect intelligently selects best WiFi for every device
- 1GHz dual core processor delivers lag-free gaming
- Implicit & Explicit Beamforming+ focuses WiFi signals & delivers stronger connections
- USB 3.0 port offers high-speed, storage-ready access
- Free ReadySHARE® Vault app provides automatic continuous/scheduled backup for your Windows PCs on your home network
- Manage your home network with NETGEAR genie

GAMING

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.

STREAMING

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. 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.
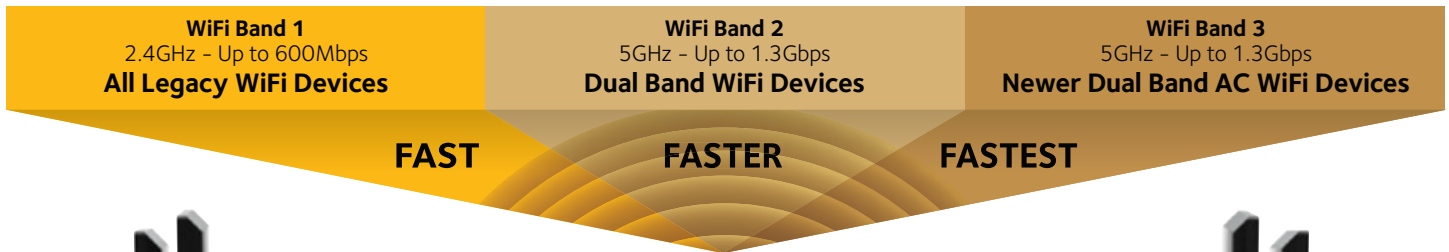
MOBILE

Nighthawk X6's Tri-Band WiFi provides more WiFi for more devices. That means more range and reliability for your mobile devices. Nighthawk X6 offers key features to dramatically boost mobile connectivity and performance. High-powered 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.
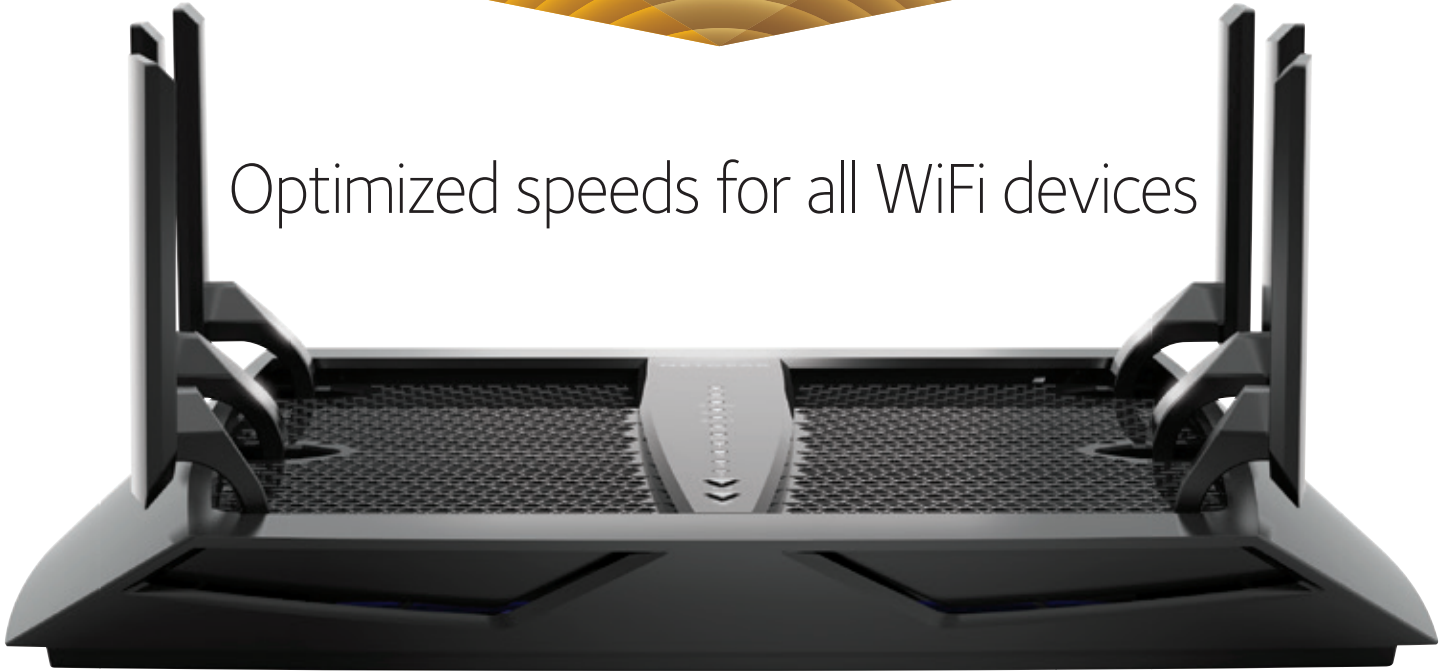
Tri-Band WiFi

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

WiFi Band 1	WiFi Band 2	WiFi Band 3
2.4GHz – Up to 600Mbps	5GHz – Up to 1.3Gbps	5GHz – Up to 1.3Gbps
All Legacy WiFi Devices	**Dual Band WiFi Devices**	**Newer Dual Band AC WiFi Devices**
FAST	**FASTER**	**FASTEST**

Optimized speeds for all WiFi devices

Speed

Get the fastest combined WiFi currently available & enjoy a blazing-fast, lag-free WiFi experience for gaming, video streaming or surfing.

3.2Gbps—The fastest combined WiFi speed for uninterrupted streaming

TRI-BAND WIFI—Up to 600 + 1300 + 1300 Mbps†

GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds

GIGABIT WIRED—Ideal for HD gaming & video

WiFi Range

Got range? Homes come in all shapes and sizes and Nighthawk X6 Tri-Band WiFi Router's 6 external antennas provide WiFi coverage no matter where you connect in your home.

ULTIMATE RANGE—WiFi coverage throughout very large homes

ANTENNAS—High-powered amplifiers and six high performance antennas

Sharing

With NETGEAR, sharing across your network is fun and easy, anything from accessing stored data, media, photos & music to wireless printing.

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

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

iTunes® COMPATIBLE—Play your USB-stored music using AirPlay or Apple Remote™

NETGEAR®

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.

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

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

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

NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network

PUSH 'N' CONNECT—Easy push button WiFi connections (WPS)

WIFI & POWER ON/OFF—Convenient power savings

Security

Maintain the highest 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.

PARENTAL CONTROLS—Web site filtering for all your connected devices

GUEST NETWORK ACCESS—Separate & secure access for guests
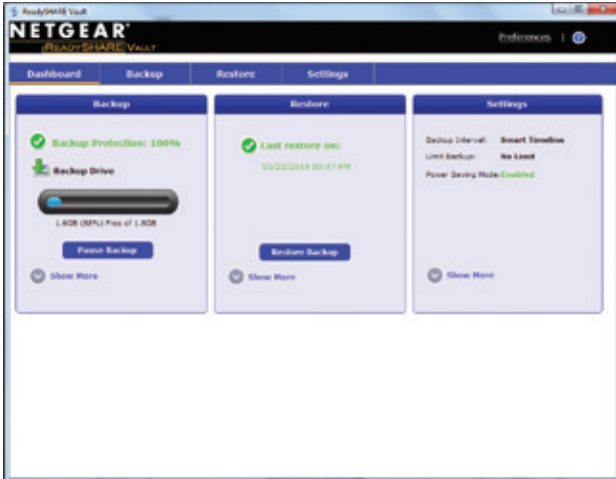
SECURE WIFI CONNECTIONS—Highest level wireless security with WPA/WPA2

OPEN SOURCE SUPPORT—Download open source firmware from www.myopenrouter.com

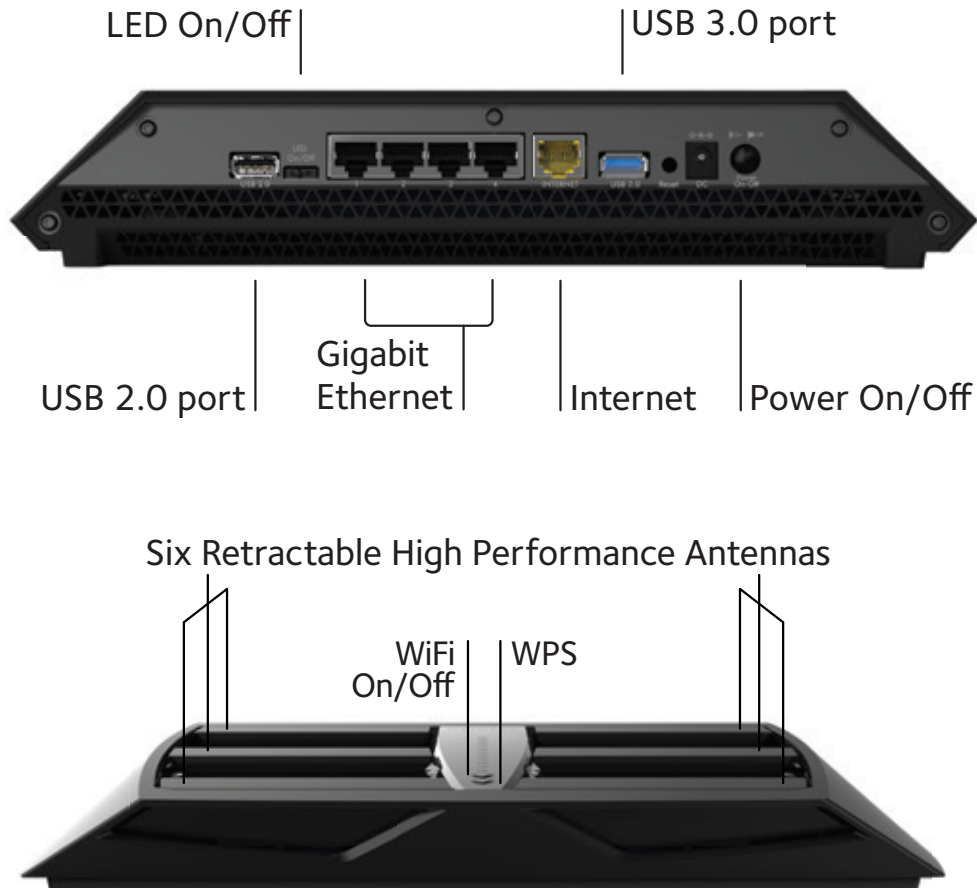**PERSONAL FTP SERVER**—Customized free URL to create FTP server

ReadySHARE® Vault—Automatic backup for Window PCs

ReadyShare Vault is a free app that provides automatic, continuous backup of Windows PCs to the USB hard drive connected to the Nighthawk X6. The app has a wonderfully simple interface with intuitive backup settings—simply setup and forget and be assured that all your data on various home PCs in the home network is being continuously backed up. Never worry about losing your data again.

- Easy single click setup to back up the Window PCs on the home network
- Automatic, continuous incremental backup of all the changes
- Easily restore deleted files by going back to older snapshots
- Safeguard all your precious data, photos, videos

Connection Diagram

BEAMFORMING+

For more reliable connections.

BEAMFORMING+—FOR MORE RELIABLE CONNECTIONS

Unlike typical WiFi routers that just blast the WiFi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the WiFi signal to the device. The result is a stronger, faster, more reliable connection that is locked in even when the device is moved around the home.

- Focuses WiFi signals from the wireless router to WiFi devices like smartphones, tablets & laptops

- Automatic signal management checks with your device to keep WiFi signal at its optimal strength

- Designed for home environments to support multiple WiFi device connections for highest quality

- Extends WiFi coverage, reduces deadpots, & boosts signal strength

- Implicit & Explicit Beamforming boosts speed, reliability & range for both 2.4 & 5GHz WiFi devices

NETGEAR genie®—HOME NETWORKING SIMPLIFIED

NETGEAR genie makes getting the most out of your home network fun & easy. Installation is almost effortless – just by opening a browser, genie helps you setup your NETGEAR WiFi Router & connect all of your WiFi devices. Genie also allows you to easily monitor, connect & control your home network from a PC, Mac, tablet or smartphone. With NETGEAR genie you can share & stream music or videos, diagnose & repair network issues, set up parental controls & more.

- Home network manager

- Makes any printer AirPrint® compatible to print from an iPad® or iPhone®

- MyMedia™—Find & play media files in your network

- EZ Mobile connect—Scan QR code to connect to your home network

- Turbo-Transfer—Quickly transfer files within your home network across various devices 40% faster than normal file transfers

- For PC, Mac®, iPhone®, iPad®, & Android™ devices

NETGEAR®

Nighthawk™ X6—AC3200 Tri-Band WiFi Gigabit Router

PACKAGE CONTENTS

- Nighthawk X6 AC3200 Tri-Band WiFi Router (R8000)
- Ethernet cable
- Quick install guide
- Power adapter

PHYSICAL SPECIFICATIONS

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

TECHNICAL SPECIFICATIONS

- AC3200† WiFi
  –Band 1: 600 Mbps @2.4GHz–256QAM
  –Band 2: 1300 Mbps @5GHz
  –Band 3: 1300 Mbps @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 5.0 GHz
- Smart Connect intelligently selects the fastest WiFi for every device
- Six (6) high performance external antennas
- High power amplifiers
- Implicit & Explicit Beamforming for 2.4 & 5GHz
- Powerful Dual-Core 1GHz processor with 3 offload processors
- Five (5) 10/100/1000 Mbps 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
- ReadySHARE® Vault for automatic PC backup to a USB hard drive connected to the router
- NETGEAR DNS service- free custom url
- Find & play your media on DLNA TVs, game consoles and more
- Use iTunes or Apple Remote™ to play music on any Airplay compatible device
- IPv6 Support (Internet Protocol Version 6)
- On/Off LED light switch

SYSTEM REQUIREMENTS

- Microsoft® Windows 7, 8, 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

- Customized free URL to set up personal FTP server
- VPN support—secure remote access
- Guest network access—separate & secure
- WiFi Protected Access® (WPA/WPA2—PSK)
- Double firewall protection (SPI and NAT)
- Denial-of-service (DoS) attack prevention

WARRANTY

- www.netgear.com/about/warranty/

SUPPORT

- 24/7 basic technical phone support for 90 days from date of purchase

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