



Performance & Use

- 4.0Gbps—The fastest combined WiFi speed for uninterrupted streaming
- Tri-Band WiFi delivers more WiFi for more devices
- MU-MIMO—Simultaneous streaming of data for multiple devices†
- Six high-performance antennas & powerful amplifiers maximize range
- Smart Connect intelligently selects best WiFi for every device
- 1.8GHz 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
- NETGEAR genie® with remote access to manage your network away from home
- NETGEAR Up app offers a quicker way to install your router using your mobile device



GAMING

You need the best when you're taking on the online gaming world. The Nighthawk X6S is the pro gamer's choice and the latest in AC4000 speed and performance. Powerful dual core 1.8GHz processor and three offload processors provide WiFi speeds up to 4.0Gbps. Nighthawk's Tri-Band WiFi helps you dedicate one band for all of your gaming devices—your personal super-highway—so you can game uninterrupted.



STREAMING

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 WiFi, MU-MIMO and features like Smart Connect and Beamforming+—it's the end of buffering, lag and jittery video. 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's super-speed USB 3.0 port.



MOBILE

From the installation, X6S is made for mobile devices - use simple Up app to quickly install your device and start enjoying fast Internet speeds in a matter of minutes. Nighthawk X6S Tri-Band WiFi 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 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.

Tri-Band WiFi

The Nighthawk X6S AC4000 Router with Tri-Band WiFi technology delivers a massive combined wireless speed of up to 4.0Gbps. 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 750Mbps

**All Legacy
WiFi Devices**

FASTER

WiFi Band 2

5GHz - Up to 1.625Gbps

**Dual Band
WiFi Devices**

FASTEST

WiFi Band 3

5GHz - Up to 1.625Gbps

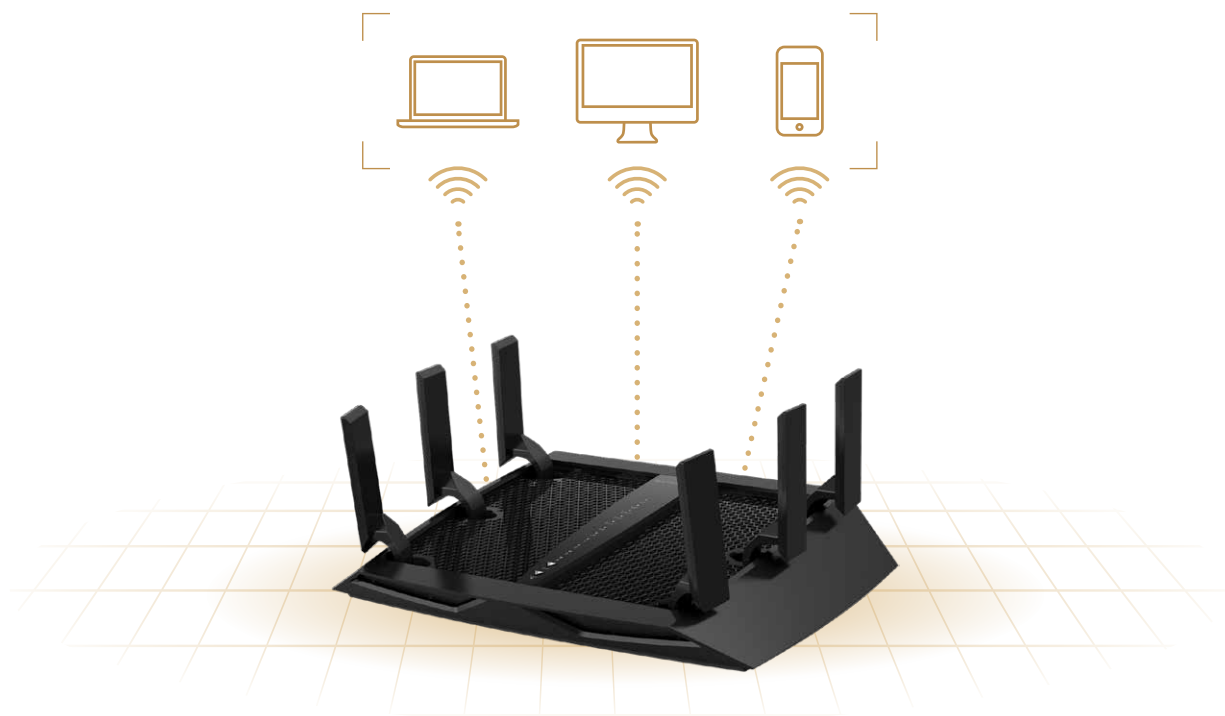
**Newer Dual Band AC
WiFi Devices**



Multi-User MIMO (MU-MIMO*)

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.

Simultaneous Streaming to Multiple Devices with MU-MIMO



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 X6S. 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

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. Boosting speed, reliability, and range for both Implicit and Explicit 2.4 & 5GHz WiFi devices, the result is a stronger, faster, more reliable connection that is locked in even when the device is moved a round the home.

- WiFi Signal Focus—Focuses 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
- Device Connections—Designed for home environments to support multiple WiFi device connections for highest quality
- WiFi Coverage—Reduces dead spots, & boosts signal strength

NETGEAR genie®—HOME NETWORKING SIMPLIFIED

NETGEAR genie® makes getting the most out of your home network fun & easy. NETGEAR genie® allows you to easily monitor, connect & control your home network from an iPhone®, iPad® or Android® devices. With NETGEAR genie® you can share & stream music or videos, diagnose & repair network issues, set up parental controls & more.

- Network Map—Allow or block access to your network using real-time map of connected devices
- Traffic Meter—Track your internet data usage
- My Media®—Find & play media files in your network
- EZ Mobile Connect—Scan QR code to connect to your home network
- For iPhone®, iPad® or Android® devices
- Remote access to manage your network away from home. View the network map, block WiFi devices, set up guest WiFi & manage Parental Controls—anytime, anywhere.

Speed

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



4.0Gbps—The fastest combined WiFi speed for uninterrupted streaming



TRI-BAND WIFI—Up to 750+1625+1625 Mbps[†]



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

WiFi Range

Got range? Homes come in all shapes and sizes and Nighthawk X6S 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 power 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™

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. Includes remote access to manage your network away from home.



VOICE CONTROL—Using Amazon Alexa™, control your home network with voice commands



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



WiFi & POWER ON/OFF—Convenient power savings

Security

Maintain high security across your network to help 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—High level wireless security with WPA/WPA2

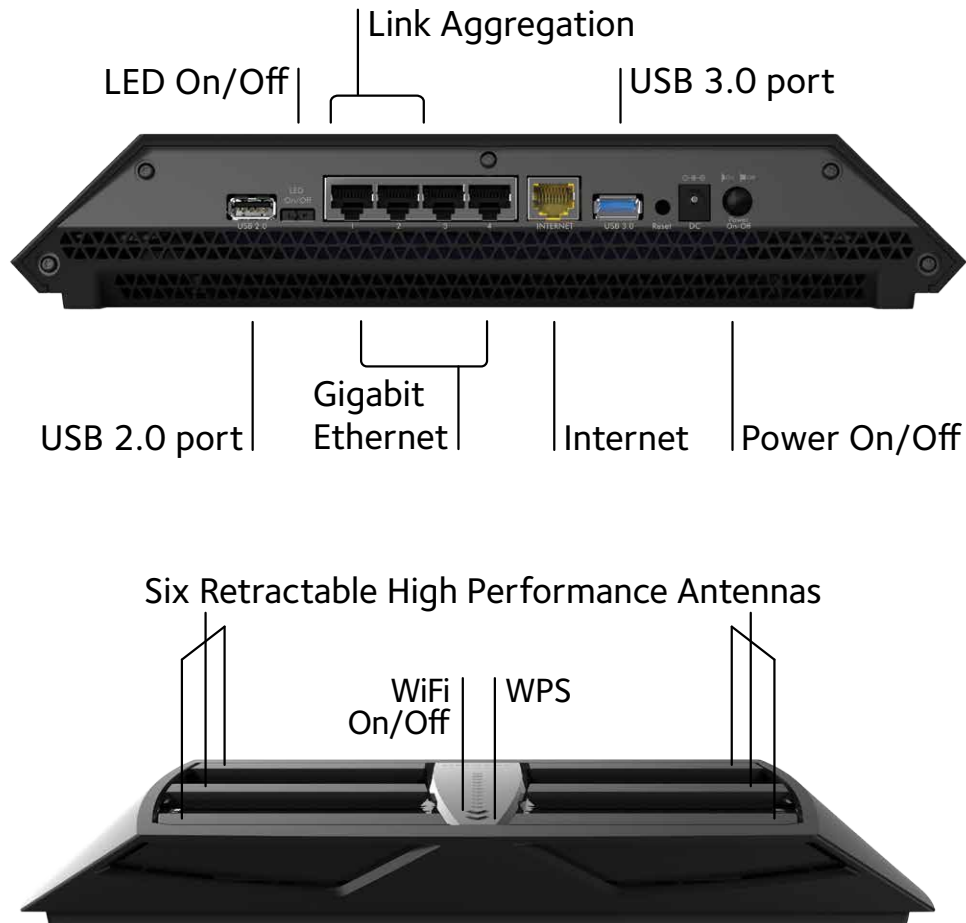


OPEN SOURCE SUPPORT—Download open source firmware from www.myopenrouter.com



PERSONAL FTP SERVER—Customized free URL to create FTP server

Connection Diagram



PACKAGE CONTENTS

- Nighthawk X6S AC4000 Tri-Band WiFi Router (R8000P)
- 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)

FEATURES

- MU-MIMO—Simultaneous streaming of data for multiple devices†
- 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 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

TECHNICAL SPECIFICATIONS

- AC4000† WiFi
 - Band 1: 750 Mbps @2.4GHz - 1024QAM
 - Band 2: 1625Mbps @5GHz - 1024QAM
 - Band 3: 1625Mbps @5GHz - 1024QAM
- Simultaneous Tri-Band WiFi
 - Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz) + 3x3 (5GHz)
 - IEEE® 802.11 b/g/n 2.4GHz - 1024QAM support
 - IEEE® 802.11 a/n/ac 5GHz - 1024QAM
- Powerful dual core 1.8GHz processor
- Memory: 128 MB flash and 512 MB RAM
- Six (6) high-performance external antennas
- High power amplifiers
- Implicit & Explicit Beamforming for 2.4 & 5GHz
- Five (5) 10/100/1000 Mbps Gigabit Ethernet ports
 - 1 WAN & 4 LAN
 - Dual Gigabit Ethernet Port Aggregation
- Two (2) USB ports: 1 USB 3.0 & 1 USB 2.0 port
- IPv6 Support (Internet Protocol Version 6)
- On/Off LED light switch

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

- 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

- 90-day complimentary technical support*

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 standard 802.11 specifications. Actual data throughput and wireless coverage will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate and wireless coverage. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.

‡MU-MIMO capability requires both router and client device to support MU-MIMO. The country settings must be set to the country where the device is operating.

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