



Ultimate 4K Streaming & VR Gaming

**802.11ac/ad
1.7GHz Quad
Core Processor**

Plex Media Server

Nighthawk® X10 AD7000 Smart WiFi Router is the industry's fastest router for media streaming with Plex media server. Nighthawk® X10 with 802.11ac and 802.11ad WiFi technology delivers ultra-smooth 4K streaming, VR gaming and instant downloads. With a powerful 1.7GHz Quad Core Processor and Quad Stream architecture, you can enjoy combined wireless speeds of up to 7.0Gbps*. MU-MIMO supports simultaneous streaming, while 160MHz doubles WiFi speeds to mobile devices. Four patent pending external active antennas amplify WiFi signals to maximize range and throughput.



802.11ac Quad Stream WiFi plus 802.11ad WiFi

Up to 4600+1733+600Mbps wireless speed



60GHz 802.11ad WiFi

Fastest WiFi technology for instant downloads and backup



Plex® Media Server

All your movie, TV show, music, video, and photo collections at your fingertips. Anywhere you go, on the devices you love



High-Performance Active Antennas

Better WiFi coverage and faster speeds



Powerful 1.7GHz Quad Core Processor

Fastest processor for home router for better 4K streaming, VR gaming, surfing, or anything you throw at it

Speed

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



60GHz 802.11ad WiFi—Fastest WiFi interface for instant downloads and backup



AD7000 WiFi—Up to 4600+1733+600Mbps[†] Wireless speed



QUAD STREAM—Up to four data streams per WiFi band maximizes connection speed



MU-MIMO—Go faster by simultaneously streaming to multiple devices



GIGABIT WIRED—Six Gigabit Ethernet LAN ports with the ability to aggregate two ports for faster file transfers



LINK AGGREGATION—Ability to aggregate two Gigabit LAN ports for faster file transfers



10G LAN SFP+ port for fast NAS access

WiFi Range

Got range? Homes come in all shapes and sizes and Nighthawk® X10 Smart WiFi Router's 4 external active antennas provide WiFi coverage no matter where you connect in your home.



FOUR ENHANCED ACTIVE ANTENNAS—Enhance weak signal and reduce interference with a patent pending design



ULTIMATE RANGE—WiFi coverage throughout very large homes

Sharing

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



READYCLOUD® USB ACCESS—Enjoy personal & secure cloud access to USB storage anytime, anywhere



READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive & printer via two (2) USB 3.0 ports



TWO SUPERSPEED USB 3.0 PORTS—Up to 10x faster than USB 2.0



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



DLNA®—Find & play your media on DLNA TVs & game consoles



READYSHARE PRINTER—Wirelessly access & share a USB printer



PLEX MEDIA SERVER—All your movie, TV show, music, and photo collections, on the devices you love



AMAZON® DRIVE CLOUD BACKUP—Automatically and securely back up your important data to Amazon Drive

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

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!



NETGEAR UP APP—Easily set up, update, and configure your router with this app



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



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



WIFI & POWER ON/OFF—Convenient power savings



LED ON/OFF Button—Easily turn LEDs on or off

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.



ENHANCED PARENTAL CONTROLS—Manage web site access by family member & device



GUEST NETWORK ACCESS—Separate & secure access for guests



SECURE WIFI CONNECTIONS—High level wireless security with WPA/WPA2



PERSONAL FTP SERVER—Customized free URL to create FTP server



VPN SUPPORT—Secure access to your home network when away from home

The Fastest WiFi Just Got Faster

Speeds of up to 4.6Gbps—that's 3 times faster than 802.11ac. It's the fastest Nighthawk® yet.

Introducing 802.11ad

3X Faster than 11ac

Experience unimaginable wireless speeds.

- 4K Video
- VR
- Backup

802.11ad: 4.6 Gbps

Typical 11ac: 1.3 Gbps

*Comparison against a typical 11ac router with max speeds of 1.3Gbps

Fastest Wireless for Media Transfers and Backup

Don't wait to watch! Ultra-smooth 4K streaming, VR gaming, instant downloads and backup.

Introducing 802.11ad

Fastest WiFi Connection on the Planet

- 8sec vs 24sec*
Time to transfer a 3GB backup
- 21sec vs 64sec*
Time to transfer a 8GB 4K movie file
- 53sec vs 160sec*
Time to transfer a 20GB VR video

*Comparison against a typical 11ac router with max speeds of 1.3Gbps

Industry's First Home Router with Plex Media Server

Plex. All your movie, TV show, music, video, and photo collections at your fingertips. Anywhere, anytime. Serve all your media with Plex Media Server on your Nighthawk® X10, without need for a computer.



Powerful Quad Core 1.7GHz Processor

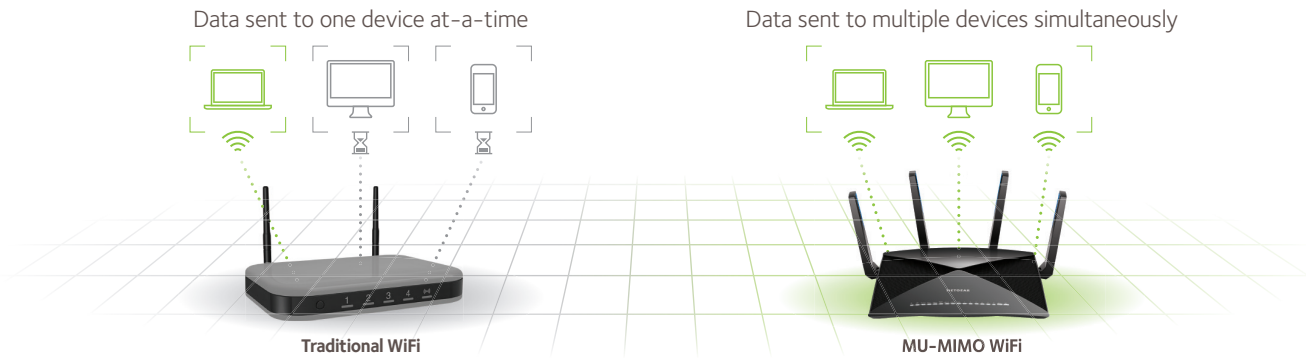
Wired or wireless, the 1.7GHz Quad Core processor boosts your network performance up to 7.0Gbps†.



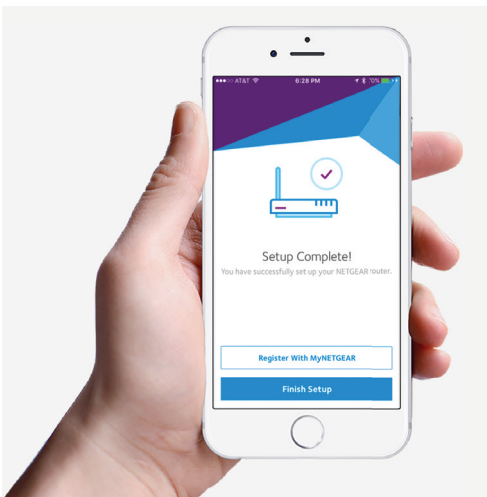
Multi-User MIMO (MU-MIMO*)

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.

Enjoy simultaneous streaming with MU-MIMO



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



Got a new router, Get UP and running quickly



NETGEAR Up app offers a quicker* way to install your router using your mobile device—just download the app, connect to the router, and install away. With Up app, most helpful information about your router such as your WiFi password is also always at your fingertips—no more looking for sticky notes!

*You can still install the router by accessing routerlogin.net on any web browser

Enhanced Active Antennas

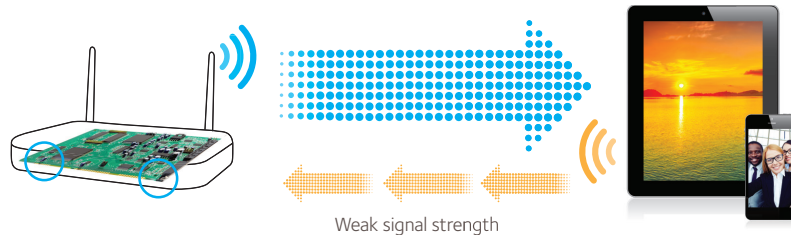


Each new generation of routers grows more powerful than the last, delivering stronger WiFi signals with greater range. At the same time, the WiFi signals on mobile devices are not getting more powerful. This difference in WiFi performance – a strong WiFi signal from the router and weaker ones from mobile devices – reduces overall WiFi range and speed.

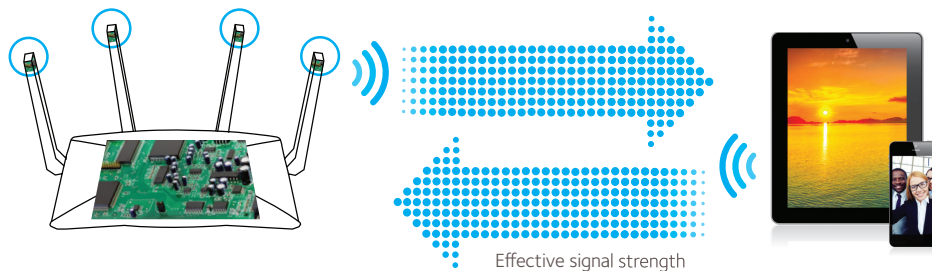
To meet this challenge, NETGEAR developed the industry's first Active Antennas technology. NETGEAR moved the WiFi amplifiers from their usual location, on the router's motherboard, up to the top of the antennas.

Active Antennas help improve WiFi performance by amplifying signals in the antenna itself. Thereby avoiding any signal loss during transmission between antenna and router board, as well as avoiding any noise insertion from the router board components. This provides cleaner and stronger receive signals for amplification from your mobile devices.

In X10, enhanced Active Antennas also amplify the signals as they are sent to the devices, thereby increasing overall range and throughput.



Traditional WiFi router has harder time receiving weaker mobile device signals.



Nighthawk X10 Active Antennas compensate for weaker mobile device signals and effectively improve signal strength.

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® X10. 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

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.

BEAMFORMING+—FOR MORE RELIABLE CONNECTIONS

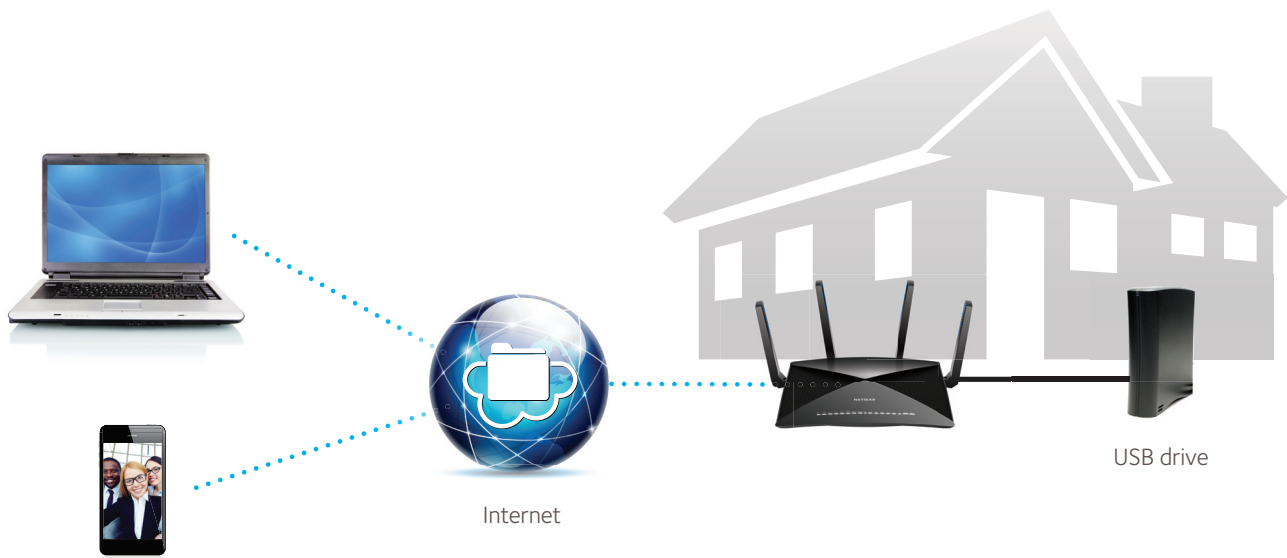
Unlike typical WiFi routers that just blast the WiFi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the WiFi signal to the device. Boosting speed, reliability, and range for both Implicit and Explicit 2.4 & 5GHz WiFi devices, the result is a stronger, faster, more reliable connection that is locked in even when the device is moved around 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
- Implicit & Explicit Beamforming boosts speed, reliability & range for both 2.4 & 5GHz WiFi—an industry first

ReadyCLOUD® USB Access—Access Your Files Wherever, Whenever

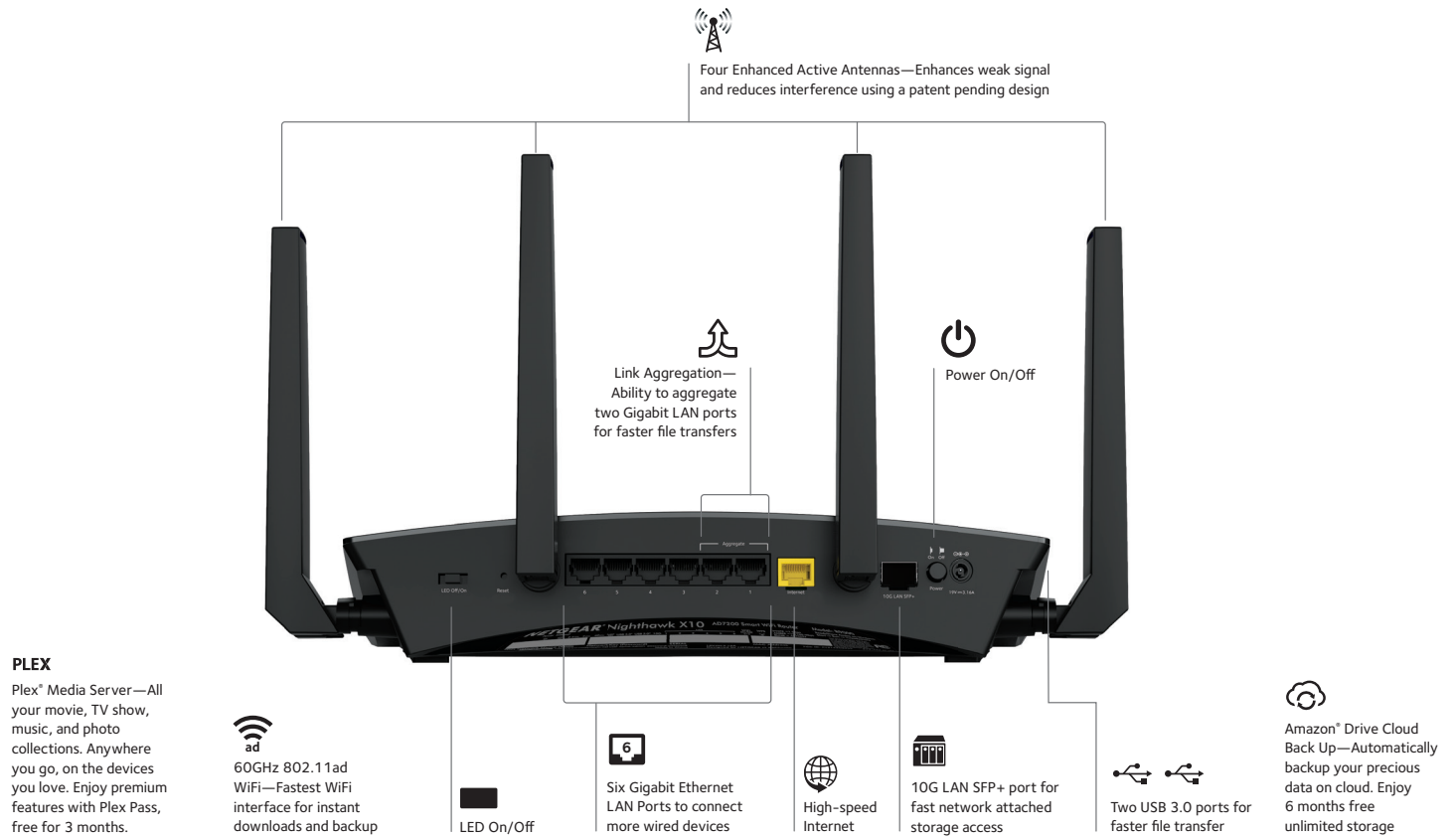
Access and share your files via secure, personal cloud storage with NETGEAR ReadyCLOUD® USB Access. Once you've connected your USB drive to your NETGEAR Nighthawk® X10 and uploaded all your favorite files, you can enjoy the convenience and accessibility anytime & anywhere you have an Internet connection. 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>



With ReadyCloud, remotely access your files stored at home through the browser or smartphone app.

Connection Diagram



PACKAGE CONTENTS

- Nighthawk® X10—AD7000 Smart WiFi Router (R8900)
- Ethernet cable
- Quick start guide
- Power adapter

PHYSICAL SPECIFICATIONS

- Dimensions: 8.81 x 6.61 x 2.91 in (224 x 168 x 74 mm)
- Weight: 4.11 lb (1.87 kg)

KEY FEATURES

- Plex Media Server—Stream your media on all your devices
- Quad Stream Wave2 WiFi
- MU-MIMO—Simultaneous streaming of data for up to three devices
- Amazon Drive Cloud Backup—Automatically and securely back up your important data to Amazon Drive
- Media streaming & storage
- ReadyCLOUD® USB Access—Personal & secure cloud access to USB storage anytime, anywhere
- ReadySHARE® Vault—PC software for automatic backup to USB hard drive connected to the router
- DLNA® server to find & play your media on TVs & game consoles
- VPN support—Secure remote access to your home network & Internet using PC, MAC® computers, and mobile devices
- Enhanced Parental Controls to manage web filtering & accessibility by profiles or devices
- NETGEAR® genie® home network manager includes remote access to manage your network away from home
- Open Source—Software available at <https://www.myopenrouter.com>*

TECHNICAL SPECIFICATIONS

- AD7000+ WiFi
 - Band 1: 600Mbps @2.4GHz - 64QAM
 - Band 2: 1733Mbps @5GHz - 256QAM
 - Band 3: 4600Mbps @60GHz** - SC
- Powerful Quad Core 1.7GHz processor
- Memory: 512MB NAND flash and 1GB DDR3 SDRAM
- Enhanced Active Antennas with high-power amplifiers
- Explicit Beamforming for 2.4 & 5GHz bands
- Seven (7) 10/100/1000Mbps Gigabit Ethernet ports
 - 1 WAN & 6 LAN
 - Dual Gigabit Ethernet Port Aggregation
- 10G LAN SFP+ port connection for Network Attached Storage (NAS)
- Two (2) USB 3.0 ports
- 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, 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/warranty

SUPPORT

- 90-day complimentary technical support¹

*The NETGEAR hardware warranty does not include, and maybe be voided by, the use of open source firmware.

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

¹90-day complimentary technical support following purchase from a NETGEAR authorized reseller.

**To benefit from 11ad features, WiFi client needs to support 60GHz 802.11ad WiFi standard.

[†]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.

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