



Performance & Use

AC1900



- WiFi speeds up to 600+1300Mbps[†]
- Advanced QoS—Optimized for smooth HD streaming & gaming
- NETGEAR genie® App with remote access

The NETGEAR Difference - R6800

- Beamforming+—Faster, more reliable connections
- USB 3.0 port—Up to 10x faster USB hard drive access
- Two USB ports—Wirelessly access and share USB hard drive and printer
- ReadyCLOUD® USB Access—Enjoy personal and secure cloud access to USB storage anytime, anywhere
- Ultimate connectivity for the latest dual band WiFi devices

Overview

The NETGEAR AC1900 Dual Band Gigabit WiFi Router delivers extremely fast WiFi. With AC1900 WiFi, Gigabit Ethernet speeds, and high-power radio amplifiers, this router offers ultimate performance in wireless coverage for large homes with 20 or more wireless devices. It gets 3x faster access than similar 802.11n technology and more reliable streaming for home computers and mobile devices. This router delivers the ultra-fast speed and reliability needed for applications such as smooth, lag-free multiple HD video streaming, multi-player gaming, and a secure and reliable connection to the Internet. The AC1900 Dual Band Gigabit WiFi Router also includes NETGEAR genie® home network manager for home network management.

Compatible with next-generation WiFi devices and backward compatible with 802.11 a/b/g/n devices, it enables HD streaming throughout your home. With up to 600+1300Mbps[†] speed and simultaneous dual band WiFi technology, this router avoids wireless interference, ensuring ultimate connectivity for the latest dual band WiFi devices such as smartphones, tablets, smart TVs, etc. In addition, Beamforming+ technology boosts speed, reliability and range of WiFi connections, while the USB 3.0 port provides up to 10x faster USB hard drive access.

Speed

Speed makes HD video better. Speed makes online gaming awesome. Speed makes all your devices really go. And anyplace you need speed, with NETGEAR you got it. Extreme download speeds up to 600+1300Mbps. Next generation 11ac WiFi with dual band technology providing whole home coverage with Gigabit wired and wireless connection. Everything you need for a fast, fast, fast connected home.

Ultimate WiFi Speed



EXTREMELY FAST WIFI—Up to 600+1300Mbps[†]



GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds



GIGABIT WIRED—Ideal for HD gaming & video

WiFi Range

Homes come in all shapes and sizes. The NETGEAR AC1900 Dual Band Gigabit WiFi Router with high-power radio amplifiers provides WiFi connectivity throughout your home for all your Internet-enabled devices.

Ultimate WiFi Range



ULTIMATE RANGE—WiFi coverage throughout your home

Reliable Connections

Stay connected—with your devices, your media, and your friends. Simultaneous dual band WiFi provides two separate WiFi networks—2.4GHz for legacy devices and 5GHz which is less interference-prone for media streaming. The advanced QoS technology provides higher priority for media streaming, which gives you smoother HD video streaming and low-latency online gaming.

Enjoy high-performance connectivity throughout your home



SIMULTANEOUS DUAL BAND—Reduces interference for better connections to more WiFi devices



BEAMFORMING+—Implicit & Explicit Beamforming for 5GHz boosts speed, reliability, and range of WiFi connections



ADVANCED QoS—Optimized for smooth HD streaming & gaming



AIRTIME FAIRNESS—Prevents network lag when slower devices connect

Sharing

Relive memories and share them with others. Find photos, videos and music stored on a shared USB hard drive and enjoy them on your DLNA TV right from your couch. If it's secure and shared storage access you want NETGEAR has easy ways to do it.

With ReadySHARE® Printer, connect your USB printer to your router and print from any computer in your home, wirelessly. NETGEAR genie makes any printer AirPrint compatible to print from an iPad or iPhone.

Share & stream your movies, music, photos



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



ONE SUPERSPEED USB 3.0 PORT—Up to 10x faster than USB 2.0



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



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



READYSHARE PRINTER—Wirelessly access & share a USB printer



READYSHARE VAULT—Software for automatic PC backup to USB hard drive connected to the router

Ease Of Use

NETGEAR makes it easy to do more with your digital devices. Use Push 'N' Connect to add devices to your WiFi network with a push of a button. And the simple browser-based installation with no CD makes router installation easy using an iPad®, tablet, smartphone, or computer.

Simple network management



EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers



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



WiFi & POWER ON/OFF—Convenient power savings



NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network. Includes remote access to manage your network away from home

Security

Keep your Internet browsing experience safe and secure with the free parental controls. It allows you to limit access to certain web sites at certain times. For example, no social networking or gaming site access after dinner time. Guest networks create a completely separate WiFi network for your guests' devices, ensuring they do not have access to your home network or to the shared USB hard drive with all your personal data. Secure WiFi connections offer high level WPA/WPA2 security.

Safeguard your network



PARENTAL CONTROLS—Manage web filtering and accessibility by profiles or devices



GUEST NETWORK ACCESS—Separate & secure access for guests



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



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



PERSONAL FTP SERVER—Customized free URL to create FTP server

Applications

With the AC1900 Dual Band Gigabit WiFi Router create a powerful home network for applications such as lag-free multiple HD streaming, multi-player online gaming, ultra-fast, reliable connection to the Internet and a secure wireless connection.

Ideal uses



EMAIL, CHAT, SURF, MUSIC, VIDEO—Enjoy a fast, reliable and secure wireless connection to the Internet



ONLINE GAMING—Optimized for multi-player with no lags



HD STREAMING—Enjoy high-quality HD streaming



MULTIPLE HD STREAMING—Optimized for a smooth, lag-free multiple HD streaming experience

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.

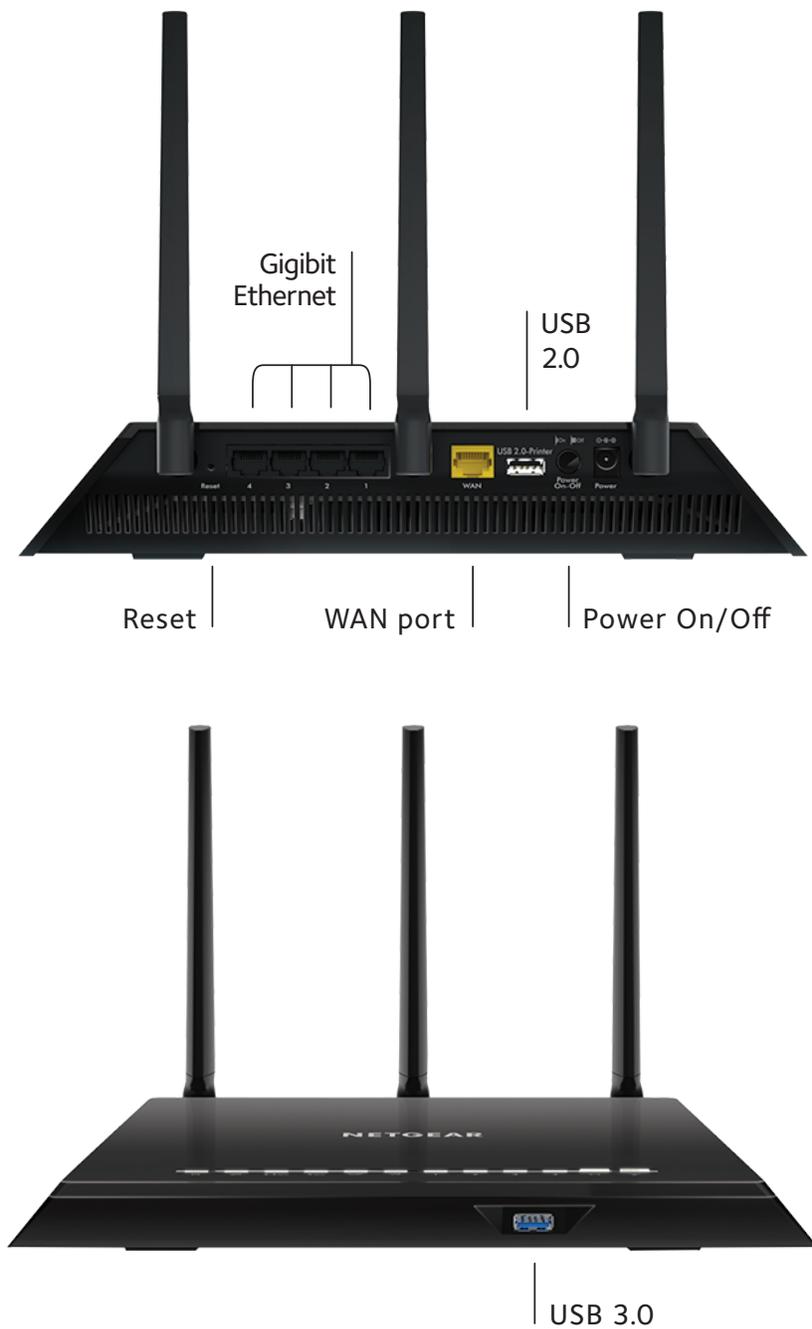
- Network Map—Allow or block access to your network using real-time map of connected devices
- Traffic Meter—Track your internet data usage
- My Media®—Find & play media files in your network
- EZ Mobile Connect—Scan QR code to connect to your home network
- For iPhone®, iPad® or Android® devices
- Remote 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+—FORE 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

Connection Diagram



PACKAGE CONTENTS

- AC1900 Dual Band Gigabit WiFi Router (R6800)
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

PHYSICAL SPECIFICATIONS

- Dimensions: 7.20 x 11.22 x 2.44 in (183 x 285 x 62 mm)
- Weight: 1.56 lb (709 g)

WARRANTY

- www.netgear.com/warranty

SUPPORT

- 90-day complimentary technical support*

TECHNICAL SPECIFICATIONS

- Simultaneous Dual Band WiFi—2.4 & 5GHz
- Implicit & Explicit Beamforming for 5GHz—Smart, signal-focusing technology boosts the speed, reliability, & range of your WiFi connections
- Push 'N' Connect—Easy push button WiFi connections (WPS)
- WiFi Transmitters/Receivers (Tx/Rx) – 3x3 (2.4GHz) + 3x3 (5GHz)
- WiFi Boost with high-power radio amplifiers
- Memory: 128 MB flash and 256 MB RAM
- Advanced Quality of Service (QoS)
- IPv6 support (Internet Protocol Version 6)
- ReadyCLOUD® USB Access—Enjoy personal & secure cloud access to USB storage connected to your Nighthawk® WiFi Router anytime, anywhere

STANDARDS

- Two (2) USB ports—one USB 3.0 and one USB 2.0 port
- IEEE® 802.11 b/g/n 2.4GHz
- IEEE® 802.11 a/n/ac 5GHz
- Five (5) 10/100/1000 (1 WAN and 4 LAN) Gigabit Ethernet ports with auto-sensing technology

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
- WiFi Protected Access® (WPA/WPA2—PSK)
- Double firewall protection (SPI and NAT firewall)
- Denial-of-service (DoS) attack prevention



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

*90-day complimentary technical support following purchase from a NETGEAR authorised 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.

The country settings must be set to the country where the device is operating.

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