



### Performance & Use

#### AC1900



- AC1900 WiFi—600+1300 Mbps<sup>+</sup> speeds
- 1GHz dual core processor
- Advanced features for lag-free gaming
- Prioritized bandwidth for streaming videos or music
- Now with NETGEAR genie® with remote access

#### 1GHz Dual Core Processor

Extreme Speed & Range

#### NEW! CLOUD APPS

ReadyCLOUD® & genie remote access

### The NETGEAR Difference - R6900

- Beamforming+ improves range & performance for both 2.4 & 5GHz devices
- ReadyCLOUD® USB Access—Enjoy personal and secure cloud access to USB storage anytime, anywhere
- High-powered amplifiers & antennas to extend your WiFi coverage
- Upstream & downstream QoS for best gaming & video streaming experience
- Airtime Fairness® prevents network lag when slower devices connect
- Free automatic backup software for Windows® PC & Time Machine® compatible for Macs
- Easy & automatic installation of the NETGEAR router with Internet provider gateway to upgrade your WiFi

### GAMING | FOR THE WIN

Avoid character freezing & enjoy lag-free gaming with the ultimate in 11AC speed & performance. Nighthawk delivers AC1900 WiFi, a powerful dual core 1GHz processor, & advanced upstream QoS for optimized game play on consoles like the Xbox®. When microseconds count, let Nighthawk accelerate your game. For the win.



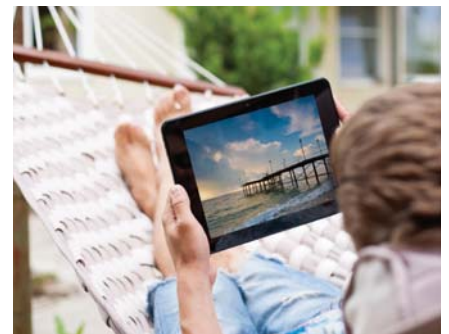
### STREAMING | UNLIMITED HD

Stop buffering and start enjoying uninterrupted streaming media. With features like downstream QoS, Beamforming+ and built-in iTunes® server you'll begin to stream like you mean it. Access your stored media quickly with USB 3.0 and keep it safe with free automatic backup software for PCs & Time Machine® compatible for Macs.



### MOBILE | UP TO 100% FASTER

Improve your mobile WiFi speeds by up to 100% with Nighthawk! High-powered amplifiers & antennas help extend WiFi coverage throughout large homes & even backyards. For the first time Beamforming+ focuses WiFi signals to both 2.4 & 5GHz devices. With signals locked onto your device, experience what it really means to be mobile!



### Speed

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



WORLD'S FASTEST WIFI—Up to 600+1300 Mbps†



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

Got range? Homes come in all shapes and sizes and Nighthawk Smart WiFi Router provides WiFi coverage no matter where you connect in your home.



ULTIMATE RANGE—WiFi coverage throughout very large homes



ANTENNAS—High-powered amplifiers with 3 external antennas

### Sharing

With NETGEAR, sharing across your network is fun and easy, anything from accessing stored photos & music to wireless printing. And enjoy personal and secure cloud access to USB storage anywhere with ReadyCLOUD.



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



READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive & printer via the USB port



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



TIME MACHINE—Automatic Mac 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 DUAL BAND**—Reduces interference for better connections to more WiFi devices



**ADVANCED QoS**—Downstream & upstream QoS automatically recognizes & prioritizes streaming & gaming applications



**AIRTIME FAIRNESS**—Prevent network lag when slower devices connect



**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. Now 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

### 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.



**VPN SUPPORT**—Secure access to your home network



**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](http://www.myopenrouter.com)



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

### BEAMFORMING+



For more reliable connections.

### BEAMFORMING+—FOR MORE RELIABLE CONNECTIONS

Unlike typical Wi-Fi routers that just blast the Wi-Fi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the Wi-Fi 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—an industry first



### 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
- Network Map—Real-time map of all the connected devices on your network
- 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
- Now with 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.

### Connection Diagram



USB 3.0



Gigabit Ethernet

Internet

Power On/Off

### PACKAGE CONTENTS

- Nighthawk AC1900 Smart WiFi Router (R6900)
- Three (3) detachable antennas
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

### PHYSICAL SPECIFICATIONS

- Dimensions: 11.22 x 7.26 x 1.97 in (285 x 184.5 x 50 mm)
- Weight: 1.65 lb (750 g)

### STANDARDS

- One (1) USB 3.0 port
- IEEE® 802.11 b/g/n 2.4GHz + 256 QAM support
- IEEE® 802.11 a/n/ac 5.0GHz
- Five (5) 10/100/1000 Mbps—(1 WAN & 4 LAN) Gigabit Ethernet ports

### TECHNICAL SPECIFICATIONS

- AC1900 (600 Mbps @ 2.4GHz with 256 QAM support + 1300 Mbps @ 5GHz 11ac)†
- Simultaneous Dual Band WiFi—Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz)
- Implicit & Explicit Beamforming
- Powerful dual core 1GHz processor
- High-powered amplifiers—three (3) external antennas
- Easy & automatic installation of the NETGEAR router with Internet provider gateway to upgrade your WiFi
- Memory: 128 MB flash and 256 MB RAM
- Downstream & upstream QoS—automatically recognizes & prioritizes applications
- ReadyCLOUD® USB Access—Enjoy personal & secure cloud access to USB storage connected to your Nighthawk WiFi Router anytime, anywhere
- ReadySHARE® USB—Share your USB hard drive and printer
- IPv6 Support (Internet Protocol Version 6)
- On/off LED lights option

### 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/](http://www.netgear.com/about/warranty/)

### SUPPORT

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

## Installation Video

To view the Nighthawk installation video, visit [http://www.netgear.com/R6900\\_QR\\_IG\\_EN](http://www.netgear.com/R6900_QR_IG_EN)



This product is packaged with a limited warranty, the acceptance of which is a condition of sale. Warranty valid only when purchased from a NETGEAR authorized reseller.

\* 24/7 basic technical phone support provided for 90 days from purchase date when purchased 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. Up to 1300 Mbps wireless speeds achieved when connecting to other 802.11ac 1300 Mbps devices. 2.4GHz performance mode requires 256QAM support on WiFi client.

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