



Performance & Use

- AC2300 WiFi—600+1625 Mbps[†] speeds
- 1GHz dual core processor
- Advanced features for lag-free gaming
- MU-MIMO—Simultaneous streaming of data for multiple devices[†]
- Now with NETGEAR genie[®] with remote access

The NETGEAR Difference - R7000P

- Beamforming+ improves range & performance for both 2.4 & 5GHz devices
- Smart Connect intelligently selects the fastest 2.4 or 5GHz WiFi band for each device for optimal speed
- ReadyCLOUD[®] USB Access—Enjoy personal & 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
- Free automatic backup software for Windows[®] PC & Time Machine[®] compatible for Macs
- Using Kwilt, view & share all your photos from social media & now from your Nighthawk Router attached USB storage
- 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 extreme 11AC speed & performance. Nighthawk delivers AC2300 WiFi, a powerful dual core 1GHz processor, & MU-MIMO for simultaneous streaming with multiple devices. 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.



EXTREMELY FAST WIFI—Up to 600+1625 Mbps†



SMART CONNECT—Automatically selects the best dual band WiFi connection for optimal wireless speed



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



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 make sure you keep it safe by using the included ReadySHARE Vault application for backing up Windows-based PCs. For Mac OS® users, back-up using Apple® Time Machine.



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



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



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



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™



Kwilt™—View & share your photos from social media & now from your Nighthawk Router attached USB storage

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



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

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 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.



VPN SUPPORT—On PC, MAC, & now also with OpenVPN Connect app on iOS & Android, securely access your home network & Internet connection from your mobile device remotely



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



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



PACKAGE CONTENTS

- Nighthawk AC2300 Smart WiFi Router (R7000P)
- Three (3) detachable antennas
- Ethernet cable
- Quick install 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

- Two (2) USB ports—one (1) USB 3.0 & one (1) USB 2.0 port
- IEEE® 802.11 b/g/n 2.4GHz + 1024 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

- AC2300 WiFi†
 - Band 1: 600 Mbps @2.4GHz
 - Band 2: 1625 Mbps @5GHz
- Simultaneous Dual Band WiFi—Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz)
- Powerful dual core 1GHz processor
- MU-MIMO—Simultaneous streaming of data for multiple devices‡
- Three (3) external antennas with high-powered amplifiers
- Memory: 128 MB flash and 256 MB RAM
- IPv6 Support (Internet Protocol Version 6)
- On/off LED lights option
- Smart Connect—Same WiFi network name on 2.4 & 5GHz for automatic band selection
- Dynamic QoS—Prioritizes bandwidth by application and device
- ReadySHARE® USB—Share your USB hard drive and printer
- ReadyCLOUD® USB Access—Enjoy personal & secure cloud access to USB storage
- Implicit & Explicit Beamforming—More reliable connections
- Open Source—Software available at <https://www.myopenrouter.com>*

SUPPORT

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

SYSTEM REQUIREMENTS

- Microsoft® Windows 7, 8, 8.1, 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. Now also on Mobile devices.
- 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



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

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

†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.

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

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