

Performance & Use

- AC2000 WiFi–300+1733Mbps[†] speeds
- High-power external antennas
- Nighthawk® App–Easily set up and monitor your home network
- MU-MIMO–Go faster by simultaneously streaming to multiple devices
- USB 2.0 port–Wirelessly access & share USB hard drive
- ReadySHARE® USB Access–Wirelessly access & share USB hard drive via one (1) USB 2.0 port
- Ultimate connectivity for latest dual band WiFi devices such as smartphones, tablets, smart TVs, and more
- For up to 30 devices and 2,000 square foot coverage

**Overview**

The NETGEAR AC2000 Smart WiFi Router is an incredibly fast router delivering AC2000 WiFi and Gigabit Ethernet speeds. External antennas provide improved WiFi coverage for larger homes. This router, built with Wi-Fi 5 technology (802.11ac), offers 3x faster speed than similar those built with Wi-Fi 4 (802.11n) technology and more reliable streaming for mobile phones and tablets. It delivers the speed and reliability

needed for applications such as lag-free multiple HD video streaming, multi-player gaming, ultra-fast speed and a secure and reliable connection to the Internet. The AC2000 Smart WiFi Router can be easily set up, updated, and configured using Nighthawk® App. Compatible with next generation WiFi devices and backward compatible with previous generation WiFi devices. It enables HD streaming throughout your home.

With up to 300+1733Mbps[†] speed and simultaneous dual band WiFi technology, it avoids wireless interference, ensuring top WiFi speeds and reliable connections. These technologies also provide ultimate connectivity for the latest dual band mobile devices like iPads and iPhones. The 880MHz processor delivers high-performance connectivity, while the USB 2.0 port provides wireless access and sharing of USB hard drives.

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 300+1733Mbps. Uses Wi-Fi 5 (802.11ac) with dual band technology providing whole home coverage with Gigabit wired and wireless connection. Everything you need for a fast, fast, fast connected home.



EXTREMELY FAST WIFI–Up to 300+1733Mbps†



GIGABIT WIRED–Ideal for HD gaming & video



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

WiFi Range

Homes come in all shapes and sizes. The Ultimate WiFi Range NETGEAR AC2000 Smart WiFi Router with additional high-power external antennas provides WiFi connectivity throughout your home for all your Internet-enabled devices.



BETTER RANGE–Wireless coverage for large homes



ANTENNAS–Great range with three (3) external antennas for best connectivity

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.



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



ADVANCED QOS–Optimized for smooth HD streaming & gaming

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.



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



READYSHARE® USB ACCESS–Wirelessly access & share USB hard drive via one (1) USB 2.0 port

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



NIGHTHAWK® APP–Easily set up and monitor your home network



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



POWER ON/OFF–Convenient power savings

Security

Ensure your privacy & keep your family safe while online. NETGEAR has you covered.



GUEST NETWORK ACCESS–Separate & secure access for guests



SECURE WIFI CONNECTIONS–Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)



PERSONAL FTP SERVER–Customized free URL to create FTP server

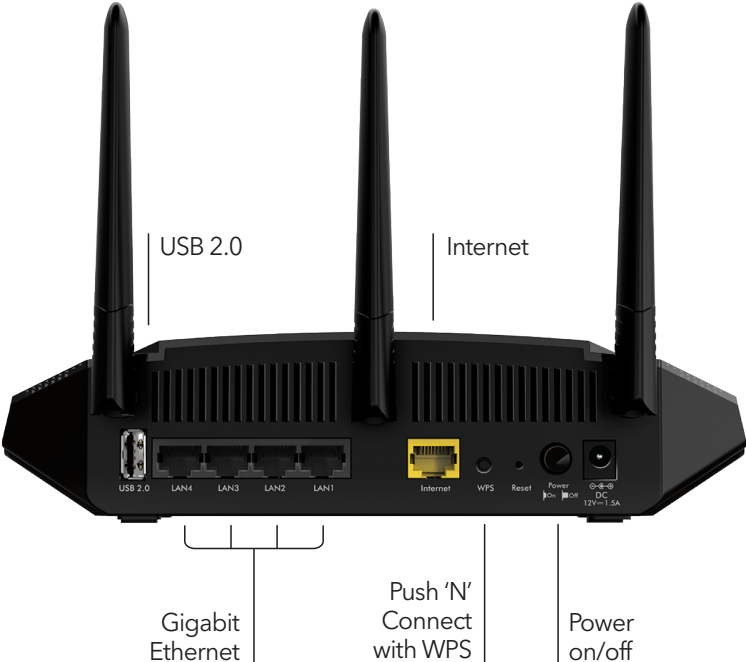
Nighthawk® App

The Nighthawk® App makes it easy to set up your router and get the most out of your WiFi. With the app, you can install your router in few steps—just connect your mobile device to the router network and the app will walk you through the rest. Once set up, you can use the intuitive dashboard to pause the Internet on your connected devices, run a quick Internet speed test, and much more!

- Anywhere Access—Easily monitor your home network anytime, anywhere
- Internet Speed Test—Check the broadband speeds from your service provider
- Pause Internet—Pause the Internet to any device
- Traffic Meter—Track Internet data usage
- Guest Networks—Set up separate WiFi access for guests
- Quick Setup—Get connected in just minutes
- Get it at nighthawk-app.com



Connection Diagram



Package Contents

- AC2000 Smart WiFi Router (R6850)
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

Physical Specifications

- Dimensions: 9.27 x 5.94 x 2.14 in (235.51 x 150.76 x 54.5 mm)
- Weight: 0.83lb (377g)

Technical Specifications

- Simultaneous dual band WiFi–2.4 & 5GHz
- WiFi transmitters/receivers (Tx/Rx) - 2x2 (2.4GHz) + 4x4 (5GHz)
- Memory: 128MB NAND flash and 128MB DDR3 RAM
- Advanced Quality of Service (QoS)
- IPv6 support (Internet Protocol Version 6)

Standards

- One (1) 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

Security

- Customized free URL to set up personal FTP server
- Guest network access–Separate & secure
- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- Double firewall protection (SPI and NAT firewall)
- Denial-of-service (DoS) attack prevention

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
- Use laptop with 2x2 300Mbps adapter like Centrino[®] 6205/6235, 3x3 450Mbps adapter like Centrino[®] 6300/5300, or 802.11ac adapter like NETGEAR A7000 for maximum performance

Warranty

- www.netgear.com/warranty
- Extend your warranty & technical support within 90 days of product purchase [US only]. Visit: prosupport.netgear.com/home

Support

- 90-day complimentary technical support following purchase from a NETGEAR authorized reseller.
- Join the NETGEAR Community Forum. Visit <http://community.netgear.com>

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[®] 802.11 specifications. Actual data throughput and wireless coverage will vary and be lowered by network and environmental conditions, including network traffic volume, device limitations, and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. Up to 2000Mbps wireless speeds achieved when connecting to other 802.11ac 2000Mbps devices.

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