



### Performance & Use

- WiFi speeds up to 2000Mbps<sup>†</sup>
- Online gaming and HD streaming for whole home
- Easy setup—get online in minutes

### The NETGEAR Difference - R6850

- 880MHz processor delivers high-performance connectivity
- USB 2.0 port—Wirelessly access & share USB hard drive
- Connectivity for the latest dual band mobile WiFi devices like iPad®/iPhone®

### 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 offers 3x faster speed than similar 802.11n 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 also includes NIGHTHAWK® App to easily set, update and configure your router.

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 300+1733Mbps<sup>†</sup> 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.

### NIGHTHAWK® App

NIGHTHAWK® App makes it easy to install your router- just connect your mobile device to the router network and the app will walk you through the rest. Once the router installation is complete, you can use the intuitive dashboard to manage your router and personalize your WiFi network.

- Quick Setup—Use your mobile device to install your router
- Manage Settings—Manage your router and its WiFi settings
- Devices—For iPhone® and Android® devices

### 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. 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



AC2000 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 NETGEAR AC2000 Smart WiFi Router provides WiFi connectivity throughout your home for all your Internet-enabled devices.

#### Ultimate WiFi Range



BETTER RANGE—Wireless coverage for large homes

### 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.

#### Share & stream your movies, music, photos



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

### 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 application for 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



ADVANCED QoS—Optimized for smooth HD streaming & gaming

### Ease Of Use

Start enjoying your new device faster than ever. With the NETGEAR Up™ app, you can install and personalize your router in few steps. Or, 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



**NIGHTHAWK® APP**—Easily set up your router and get more out of your WiFi



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

### 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 so they do not have access to your home network or to the shared USB hard drive with all your personal data.

#### Safeguard your network



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



**GUEST NETWORK ACCESS**—Separate & secure access for guests



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

### Applications

With the AC2000 Smart 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

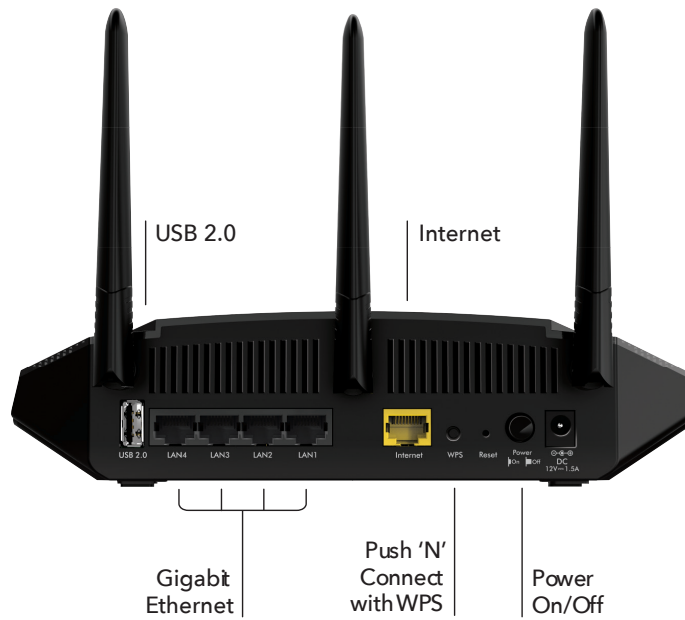


**HD STREAMING**—Enjoy high-quality HD streaming



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

### Connection Diagram



### PACKAGE CONTENTS

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

### PHYSICAL SPECIFICATIONS

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

### WARRANTY

- [www.netgear.com/warranty](http://www.netgear.com/warranty)

### SUPPORT

- 90-day complimentary technical support\*

### TECHNICAL SPECIFICATIONS

- Simultaneous Dual Band WiFi—2.4 & 5 GHz
- 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)
- Enhanced Parental Controls to manage web filtering & accessibility by profiles or devices

### 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

### SYSTEM REQUIREMENTS

- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Microsoft® Edge, Firefox® 2.0, Safari® 1.4, or Google Chrome™ 11.0 browsers or higher
- Use laptop with 2x2 300 Mbps adapter like Centrino® 6205/6235, 3x3 450Mbps adapter like Centrino® 6300/5300, or 802.11ac adapter like NETGEAR A6210 for maximum performance

### SECURITY

- 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
- Free custom URL using NETGEAR Dynamic DNS service



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 authorized 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. NETGEAR makes no representations or warranties about this product's compatibility with future standards.

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