



### Performance & Use

#### AC1750

- AC1750 WiFi—450+1300 Mbps<sup>+</sup> speeds
- High-powered external antennas
- Ideal for homes with 12 or more WiFi devices
- NETGEAR genie® App—Enjoy more of your connected home



### The NETGEAR Difference - R6400

- 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
- Ultimate connectivity for dual band WiFi devices like iPad®/iPhone5®

### Overview

The NETGEAR AC1750 Smart WiFi Router with external antennas delivers extremely fast WiFi. With AC1750 WiFi, Gigabit Ethernet speeds, and high-powered external antennas, this router offers ultimate performance in wireless coverage for large homes with 12 or more wireless devices. It gets 3x faster access than similar 802.11n technology and more reliable streaming for home computers and WiFi 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 AC1750 Smart WiFi Router also includes NETGEAR genie® home network manager for easy installation and 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 450+1300 Mbps<sup>+</sup> speed and simultaneous dual band WiFi technology, this router avoids wireless interference, ensuring top WiFi speeds and reliable connections especially for dual band wireless devices like iPad® and iPhone5®. 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.

## BEAMFORMING+



For more  
reliable connections.

### Beamforming+—For More Reliable Connections

- Focuses WiFi signals from the wireless router to WiFi devices like smartphones, tablets and 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 deadspots, and boosts signal strength



### NETGEAR genie® Home Networking Simplified

- Home network manager
- Makes any printer AirPrint® compatible to print from an iPad® or iPhone®
- MyMedia™—Find and play media files in your network
- EZ Mobile Connect—Scan QR code to connect to your home network
- For PC, Mac®, iPhone®, iPad®, & 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 450+1300 Mbps. 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 450+1300 Mbps†



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 AC1750 Smart WiFi Router with additional high-powered external antennas provides WiFi connectivity throughout your home for all your Internet-enabled devices.

#### Ultimate WiFi Range



ULTIMATE RANGE—WiFi coverage throughout your home

### 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



READYSHARE PRINTER—Wirelessly access & share a USB printer



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



TIME MACHINE—Mac backup to a USB hard drive connected to router

### 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+—Boosts speed, reliability, & range of WiFi connections



ADVANCED QoS—Optimized for smooth HD streaming & gaming

### Ease Of Use

NETGEAR makes it easy to do more with your digital devices. Manage your network with genie® App—a personal, icon-based dashboard that can control and monitor all your devices. 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



NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network



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



WiFi & POWER ON/OFF—Convenient power savings

### Security

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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 the highest level of WPA/WPA2 security.

#### Safeguard your network



PARENTAL CONTROLS—Web filtering for all your connected devices



GUEST NETWORK ACCESS—Separate & secure access for guests



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

### Applications

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With the AC1750 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

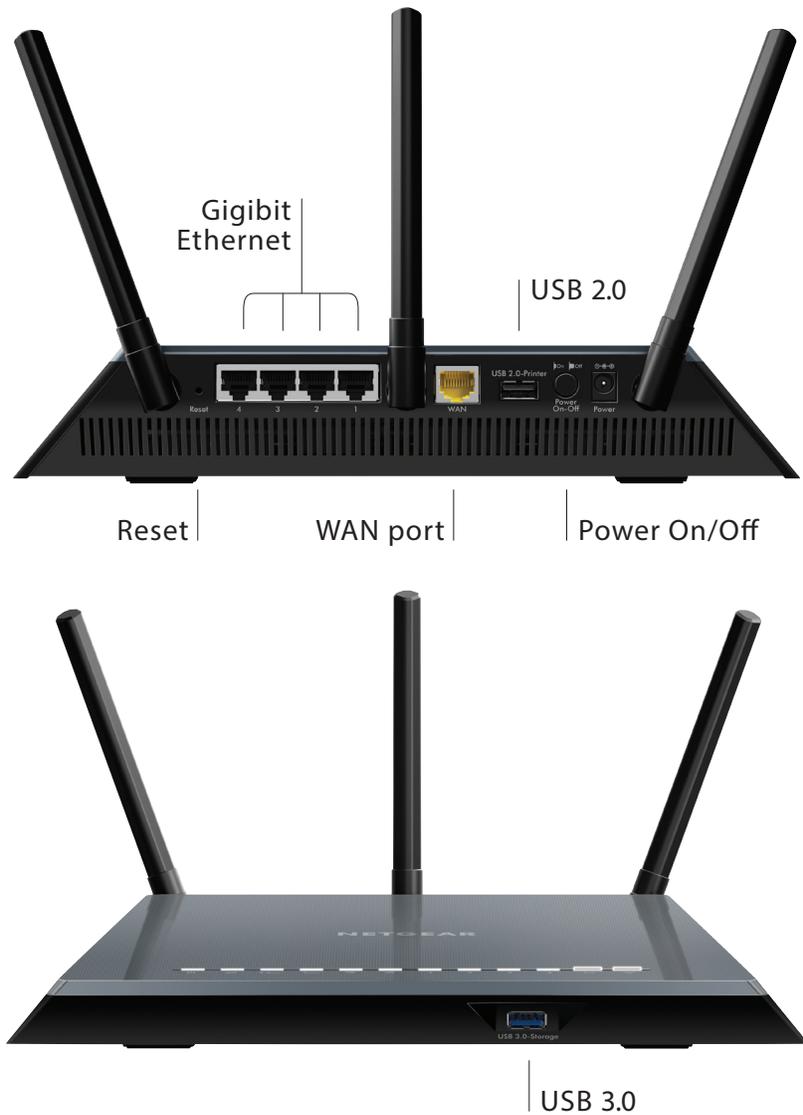


HD STREAMING—Enjoy high-quality HD streaming



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

### Connection Diagram



### PACKAGE CONTENTS

- AC1750 Smart WiFi Router (R6400)
- Ethernet cable
- Quick install guide
- Power adapter, localized to country of sale

### PHYSICAL SPECIFICATIONS

- Dimensions: 7.5 x 7.79 x 2.55 in (191 x 198.5 x 65 mm)
- Weight: 0.94 lb (430 g)

### WARRANTY

- For details visit [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

### 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-powered radio amplifiers
- Memory: 128 MB flash and 256 MB RAM
- Advanced Quality of Service (QoS)
- IPv6 support (Internet Protocol Version 6)
- CE DFS certified—Utilizes additional non-interference WiFi channels

### 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, 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 3x3 450 Mbps adapter like Centrino® 6300/5300, or 802.11ac adapter like NETGEAR A6200 for maximum performance

### SECURITY

- 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 authorized reseller.

\*24/7 basic technical phone support provided for 90 days from purchase date.

†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. 802.11ac 1300 Mbps is approximately 3x faster than 802.11n 450 Mbps. 2.4 GHz Performance Mode requires 256 QAM support on WiFi client. Up to 1300 Mbps wireless speeds achieved when connecting to other 802.11ac 1300 Mbps devices.

The country settings must be set to the country where the device is operating. Intended for indoor use only in EU member states, EFTA states, and Switzerland.

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