Performance & Use

- **AC1750 WiFi—450+1300Mbps† speeds**
- **High-power external antennas**
- **Nighthawk® App—Easily set up and monitor your home network**
- **Circle® with Disney - Smart Parental Controls—Manage content and time online for all your devices**
- **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**
- **ReadyCLOUD® USB Access—Enjoy personal and secure cloud access to USB storage anytime, anywhere**
- **Ultimate connectivity for latest dual band WiFi devices such as smartphones, tablets, smart TVs, and more**

Overview

The NETGEAR AC1750 Smart WiFi Router with external antennas delivers extremely fast WiFi. With AC1750 WiFi, Gigabit Ethernet speeds, and high-power 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.

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+1300Mbps† 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 such as smartphones, tablets, smart TVs, etc. 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.

The AC1750 Smart WiFi Router includes the Nighthawk® App and Circle with Disney 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 just a few steps. Circle® App provides Smart Parental Controls to manage content and time online for all of your 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+1300Mbps. 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.

WiFi Range

Homes come in all shapes and sizes. The Ultimate WiFi Range NETGEAR AC1750 Smart WiFi Router with additional high-powered external antennas provides WiFi connectivity throughout your home for all your Internet-enabled devices.

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.
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.

Sharing

- DLNA®—Find & play your media on DLNA TVs & game consoles
- ONE SUPER_SPEED 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
- READYCLOUD® USB ACCESS—Enjoy personal & secure cloud access to USB storage anytime, anywhere
- READYSHARE PRINTER—Wirelessly access & share a USB printer
- READYSHARE VAULT—Software for automatic PC backup to USB hard drive connected to the router

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!

Ease Of Use

- EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers
- NIGHTHAWK® APP—Easily set up and monitor your home network
- PUSH ‘N’ CONNECT—Easy push button WiFi connections (WPS)
- WIFI & POWER ON/OFF—Convenient power savings

Security

Maintain high 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.

Security

- CIRCLE® WITH DISNEY - SMART PARENTAL CONTROLS—Manage content and time online for all your devices. Learn more at netgear.com/circle
- GUEST NETWORK ACCESS—Separate & secure access for guests
- SECURE WIFI CONNECTIONS—Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- VPN SUPPORT—Secure access to your home network when away from home
- PERSONAL FTP SERVER—Customized free URL to create FTP server
Beamforming+—For More Reliable Connections

Unlike typical WiFi routers that just blast the WiFi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the WiFi signal to the device. Boosting speed, reliability, and range for both Implicit and Explicit 2.4 & 5GHz WiFi devices, the result is a stronger, faster, more reliable connection that is locked in even when the device is moved around the home.

- WiFi Signal Focus—Focuses 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
- Device Connections—Designed for home environments to support multiple WiFi device connections for highest quality
- WiFi Coverage—Reduces dead spots, & boosts signal strength
- Implicit & Explicit Beamforming boosts speed, reliability & range for both 2.4 & 5GHz WiFi—an industry first

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 manage your connected devices, check your Internet connection speeds, set up smart parental controls and much more!

- Smart Parental Controls—Easily manage content & time online with Circle® with Disney
- Remote Management—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
Circle with Disney

Circle with Disney is the smart way for families to manage content and time online, on any connected device. With the Circle app, you can easily:

- Limit daily Internet time for websites, apps, and more
- Set a BedTime for your family’s devices
- Set individual filter for each family member that matches their age and interests
- Pause Internet by device or by user with a press of a button
- Schedule specific ‘no internet’ times with OffTime
- Check out where your family spends time online
- Reward kids with extended Time Limits, no OffTime, and a late BedTime for the day
- Use voice commands to ask Alexa™ about Time Limits and Usage

Learn more netgear.com/circle

Key Features:
Connection Diagram

Connection Diagram

Connection Diagram
Package Contents

- AC1750 Smart WiFi Router (R6400v2)
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

Physical Specifications

- Dimensions: 7.20 x 11.22 x 2.44 in (183 x 285 x 62 mm)
- Weight: 1.58 lb (719 g)

Technical Specifications

- AC1750 (450Mbps 2.4GHz + 1300Mbps 5GHz)†
- Simultaneous Dual Band WiFi—Tx/Rx 3x3 (2.4GHz) + 3x3 (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)
- Memory: 128 MB flash and 256 MB RAM
- Advanced Quality of Service (QoS)
- IPv6 support (Internet Protocol Version 6)
- ReadyCLOUD® USB Access—Enjoy personal & secure cloud access to USB storage anytime, anywhere

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

Security

- Customized free URL to set up personal FTP server
- VPN support—Secure remote access
- 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
- Automatic firmware update delivers latest security patches to the router
- Circle® with Disney - Smart Parental Controls—Manage content and time online for all your devices

System Requirements

- 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

Support

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

Warranty

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

*90-day complimentary technical support following purchase from a NETGEAR authorized reseller.
†Up to 1300Mbps wireless speeds achieved when connecting to other 802.11ac 1300Mbps devices. Maximum wireless 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.
Circle® with Disney includes the Free Basic Plan. Fees apply for a Premium Plan. Visit netgear.com/circle for more information.
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