NIGHTHAWK®

Faster for Mobile Devices

Nighthawk® AC2600 Smart WiFi Router accelerates your WiFi for Ultra HD 4K streaming to multiple devices. It offers extreme WiFi speed for gaming—up to 2600Mbps and uninterrupted video streaming with advanced QoS for applications like YouTube®, Netflix®, & others. Implicit Beamforming improves WiFi speed & range on all mobile devices like iPhone®, iPad® & Android®. Nighthawk® App lets you get the most out of your router performance with customized settings.

NETGEAR®

NIGHTHAWK®

GAMING | FOR THE WIN

- Extreme WiFi speed for gaming—up to 2600Mbps

- Dual-core processor boosts wireless, wired & WAN-to-LAN performance

- Advanced QoS for lag-free gaming

- Extreme range with three amplifiers & external antennas for best connectivity

- Beamforming+ for improved WiFi range & performance across both 2.4 and 5GHz devices

STREAMING | ULTIMATE HD

- Uninterrupted video streaming with advanced QoS for applications like YouTube®, Netflix®, & others

- Implicit & Explicit Beamforming for whole-home HD coverage across all your devices

- USB 3.0 for up to 10 times faster access to your stored media than USB 2.0

MOBILE | UP TO 100% FASTER

- Implicit Beamforming improves WiFi speed & range on all mobile devices like iPhone®, iPad® & Android®

- Explicit Beamforming boosts speed & range for the newest WiFi devices, experience what it really means to be mobile!

- Airtime Fairness® prevents network lag when slower devices connect

- High-power amplifiers and external antennas increase range for whole-home mobility

- Nighthawk App—Get the most out of your router performance with customized settings

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Speed

Get extreme WiFi speeds & enjoy a blazing-fast, lag-free WiFi experience for gaming, video streaming or surfing.

AC WiFi EXTREME WIFI SPEEDS—Up to 2600Mbps†

GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds

GIGABIT WIRED—Ideal for HD gaming & video

Dual Core Processor DUAL-CORE PROCESSOR—Boosts wireless, wired & WAN-to-LAN performance

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

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.

EXTREME RANGE—WiFi coverage throughout very large homes

ANTENNAS—Three (3) external antennas for improved coverage

Sharing

With NETGEAR, sharing across your network is fun and easy, such as accessing stored photos & music.

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

READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive via the USB port

USB 3.0 ONE SUPERSPEED USB 3.0 PORT—Up to 10X faster than USB 2.0

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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 WIFI–Reduces interference for better connections to more WiFi devices

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

NIGHTHAWK APP–Easily set up your router and get more out of your WiFi. Includes access from anywhere to manage your network away

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–Secure access to your home network

GUEST NETWORK–Separate and secure network for your guests

SECURE WIFI CONNECTIONS–Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
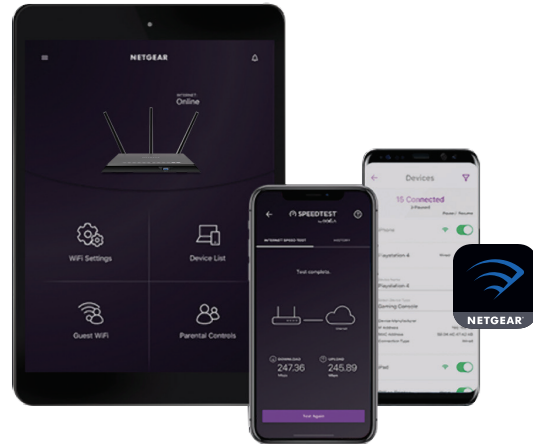
PERSONAL FTP SERVER–Customized free URL to create FTP server

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Nighthawk® App

The NETGEAR Nighthawk® App makes it easy to set up your router and get more out of your WiFi, with the app, you can install your router in a 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—Setup separate WiFi access for guests

- Quick Setup—Get connected in just minutes

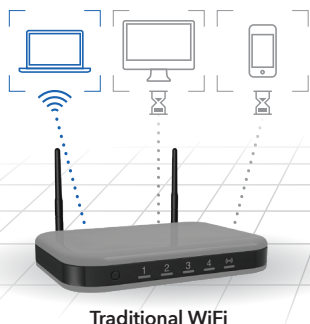- Get it at nighthawk-app.com
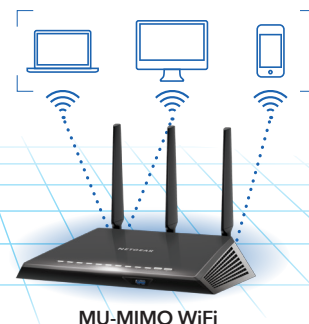
Multi-user MIMO (MU-MIMO)

Traditional WiFi routers can stream data to only one device in the home at a time. When multiple devices are connected to the router, each device needs to take its turn, and then wait before receiving more data. This can lead to slower network and Internet speeds. Using Multi-user MIMO technology, NETGEAR routers can stream data to multiple devices simultaneously. With MU-MIMO, your WiFi network can deliver faster throughput to every MU-MIMO connected device. That means faster downloads and smoother streaming for your devices.

Enjoy simultaneous streaming with MU-MIMO

Data sent to one device at a time

Data sent to multiple devices simultaneously

Traditional WiFi

MU-MIMO WiFi

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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

NETGEAR®

Nighthawk® AC2600 Smart WiFi Router

Connection Diagram

USB 3.0 port

Gigabit
Ethernet

Internet

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Package Contents

- Nighthawk AC2600 Smart WiFi Router (R7450)
- Three (3) detachable antennas
- Ethernet cable
- Quick start 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: 1.65lb (750g)

Standards

- One (1) USB 3.0 port
- IEEE® 802.11 b/g/n 2.4GHz + 256-QAM support
- IEEE® 802.11 a/n/ac 5GHz
- Five (5) 10/100/1000Mbps–(1 WAN & 4 LAN) Gigabit Ethernet ports

Technical Specifications

- AC2600 (800Mbps 2.4GHz + 1733Mbps 5GHz)†
- Simultaneous dual band WiFi– Tx/Rx 4x4 (2.4GHz) + 4x4 (5GHz)
- Implicit & Explicit Beamforming
- Powerful dual-core processor
- Three (3) external antennas for improved coverage
- Memory: 128MB flash and 256MB RAM
- MU-MIMO–Simultaneous streaming of data for multiple devices‡
- Advanced QoS–Automatically recognizes & prioritizes applications
- ReadySHARE® USB–Share your USB hard drive
- IPv6 Support (Internet Protocol Version 6)
- On/off LED lights option
- Nighthawk App–Easily set up your router and get more out of your WiFi. Includes access from anywhere to manage your network away from home

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

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)
- Denial-of-service (DoS) attack prevention

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

Supports **IPv6**

Supports Windows® 10

Mac

D-R7450-2

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