

Experience Wireless-N networking



- Surf, email, stream HD video, online game, make Internet phone calls—simultaneously†
- 3 internal antennas deliver maximum performance and range
- Automatically adjusts to the needs of Internet, voice, video and gaming applications (QoS)
- Use with a RangeMax Wireless-N Adapters and boost your performance and range

Features

- New Wireless-N technology delivers exceptional range and speed
- Connect up to 4 other wired devices by using the built-in 4-port switch
- Advanced wireless security encryption protects your data
- Double firewall protection from external hacker attacks
- Can be used as a wireless repeater to extend wireless range
- Automatically checks for new router firmware versions for enhanced performance
- Supports Wi-Fi Protected Setup (WPS) standard
- Easy setup with Smart Wizard® installation CD

Multiple internal antennas

- Set for optimal wireless performance and range
- Internal antennas are protected from damage

SPEED
UP TO
15x
COVERAGE
UP TO
10x

**3 Powerful
Internal
Antennas
Improve
Performance
and Range**

Which is the Best Product for You?	Wireless-G	RangeMax	RangeMax Wireless-N
Coverage†	1x	10x	10x
Speed†	1x	10x	15x
Avoids interference	Good	Better	Better
No. of antennas	2	7 internal	3 internal
No. of free channels	3	3	3
Surf the Internet, email and online chat	✓	✓	✓
Streaming music/radio	✓	✓	✓
Multiple PCs wirelessly connecting to the Internet		✓	✓
Internet phone calls (VoIP)		✓	✓
Heavy Internet usage		✓	✓
Larger homes and multiple rooms		✓	✓
Multiplayer gaming		✓	✓
Simultaneous downloads, voice, music, VoIP streaming			✓
Networked entertainment and streaming HD video			✓
Networked or shared storage/ large file sharing			✓

Maximum performance requires use with RangeMax Wireless-N adapters

RangeMax Wireless-N Laptop Adapter (WN511B)

RangeMax Wireless-N PCI Adapter (WN311B)

RangeMax Wireless-N USB 2.0 Adapter (WN121T)

RangeMax Wireless-N USB 2.0 Adapter (WN111)

Laptops with built-in Wireless-N

24/7
TECHNICAL
SUPPORT*

1-888-NETGEAR (638-4327)
Email: info@NETGEAR.com





"...satisfying maximum throughput, a slick design, simple setup."

PC World "...beat all others in our test group², at long range; through several walls."

System Requirements

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11n draft specification adapter or 2.4 GHz 802.11b/g wireless adapter. Alternatively, an Ethernet adapter and cable for each computer
- Microsoft® Windows® Vista, XP, 2000, 98, Me, Mac® OS, UNIX®, or Linux®
- Internet Explorer® 5.0 or Netscape 4.7 or higher
- Supports Wi-Fi Multimedia (WMM) based Quality of Service (QoS)
- Supports Wireless Distribution System (WDS) functionality
- We recommend using this product with the RangeMax Wireless-N Adapters (WN511B, WN311B, WN121T, WN111)

Standards

- IEEE 802.11n draft version 1.0, IEEE 802.11g, IEEE 802.11b, 2.4 GHz

Physical Specifications

- Dimensions: 225.5 x 172 x 39 mm (8.9 x 6.8 x 1.5 in)
- Weight: .56 kg (1.2 lb)

Ease of Use

- SmartWizard simplifies setup by automatically detecting and configuring your router for virtually all ISP connections

Security

- Double firewall:
 - Network Address Translation (NAT) to hide PCs and files from outside users
 - Stateful packet inspection (SPI) firewall to deny outside requests for personal information
- Denial-of-service (DoS) attack prevention
- Intrusion detection and prevention (IDS)
- Wi-Fi protected Access (WPA2-PSK, WPA-PSK)
- Wired Equivalent Privacy (WEP) 64-bit, 128-bit encryption
- Wireless access control to identify authorized wireless network devices
- Exposed host (DMZ) for secure gaming
- Wi-Fi Protected Setup (WPS), PIN

Privacy & Parental Control

- "Trusted user" control
- Time-based usage controls
- Web site logging
- Remote management
- URL content filtering

Functions

- Auto FW detection algorithm.
- Wireless Bridging (WDS) to configure router as base station, or repeater
- QoS function

Warranty

- NETGEAR 1-year warranty

Package Contents

- RangeMax Wireless-N Router (WNR834Bv2)
- Stand
- Ethernet cable
- Setup CD
- 12V 1.0A power adapter, localized to country of sale
- Warranty/support information card

NETGEAR Related Products

- Notebooks:
 - RangeMax Wireless-N Notebook Adapter (WN511B)
 - RangeMax Wireless-N USB 2.0 Adapters (WN121T, WN111)
- Desktops:
 - RangeMax Wireless-N PCI Adapter (WN311B)
 - RangeMax Wireless-N USB 2.0 Adapter (WN121T)
- Storage: ReadyNAS NV+ (RND4XXX)
- Powerline: Powerline HD (HDX111)

[†]Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.



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*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

**Actual performance may vary due to operating conditions

† "N", "Wireless-N" and "draft 802.11n" refer to compliance with IEEE 802.11n draft specification version 1.0 only.

¹Up to 15x more speed and 10x more coverage than Wireless-G. Maximum performance compared to Wireless-G, when used with related wireless adapters.

²Linksys Wireless-N Broadband Router and Buffalo AirStation Nfiniti Router, July 2006.

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