



WNR854T

RangeMax™ NEXT Wireless Router – Gigabit Edition

- *Help is there when you need it! NETGEAR provides, 24x7 technical support* in English, with selected local language support during office hours.*

● Experience the NEXT generation – up to 300Mbps wireless and Gigabit wired networking

What does RangeMax™ NEXT Wireless Router - Gigabit Edition do?

- Complies with draft 802.11n†, backwards compatible with 11b/g WiFi
- Delivers stable, application enhancing connections using Steady-Stream technology
- Interoperates at up to 300Mbps† with other products with TopDog™
- Maximizes wired performance with Gigabit ports
- Ensures optimum performance and maximum coverage with preset internal antennas

What is RangeMax NEXT?

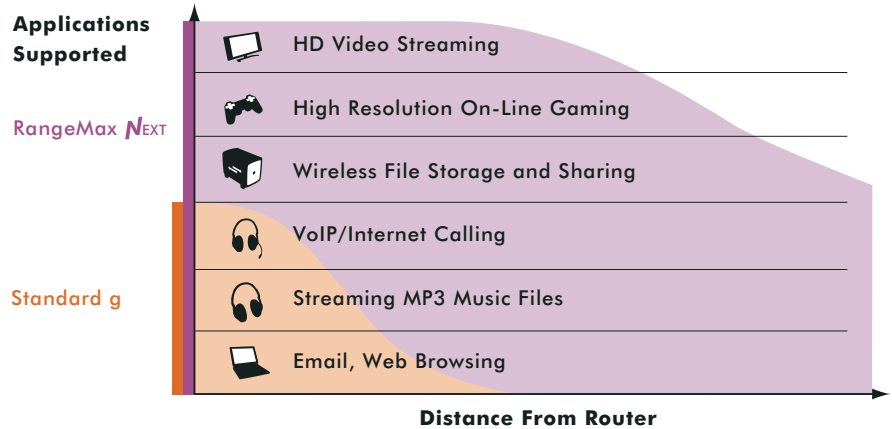
- RangeMax NEXT extends the possibilities of your wireless home network by providing a Steady-Stream of up to 300Mbps, and is compliant with draft 802.11n†. This next generation wireless standard utilizes advanced MIMO (Multi-In, Multi-Out) technology, which delivers incredible speed and range, and for the first time provides wireless interoperability at the highest speeds with other products with TopDog.

A RangeMax NEXT wireless network creates and maintains stable connections and enough bandwidth to surf the Internet, download MP3s, make Internet phone calls, share files, play network games, and stream high-definition videos, simultaneously† at any distance or location in the home or small office. Because RangeMax NEXT is compatible with all legacy b and g wireless products, you are sure to be connected.

Preset internal antennas and draft 11n-True-Test, high-performance testing and tuning, provides maximum performance and high-quality streaming every time. Touchless WiFi Security makes creating the highest level of network security easy and includes WEP, WPA-PSK, or WPA2-PSK. Setup is simple thanks to NETGEAR's Smart Wizard™ and 24/7 technical support*.

This is Steady-Stream

- Steady-Stream technology ensures you have enough streaming bandwidth to support all of your applications, all over your home, all at once.



		Standard G	RangeMax™	RangeMax™ NEXT
Great for	Broadband Internet sharing	◆	◆	◆
	Faster connections for multiple users		◆	◆
	Consistent speeds for streaming and transferring files		◆	◆
	Gaming, VoIP, file sharing and streaming HD-video simultaneously			◆
	Whole Home Coverage		◆	◆
Key Features	Draft 802.11n compliant†			◆
	Interoperable at 300Mbps speed with products with TopDog			◆
	Steady-Stream connections			◆
	Draft 11n-True Test high-performance testing and tuning			◆
	Advanced MIMO technology - for speed and range		◆	◆
Wireless Coverage	Entire home or office		◆	◆
Compatibility	Public Hotspots, 802.11b/g, standard Wi-Fi, Built-in Laptop Wireless	◆	◆	◆
Security	Touchless WiFi - WEP and WPA / WPA2 - PSK	◆	◆	◆

Compare the Advantages of the NEXT Generation in Wireless Connectivity

First, there was RangeMax, which improved on the wireless g standard's limitations in speed and coverage. Now, NETGEAR offers RangeMax NEXT, which gives consumers a new level of capabilities and transfer speeds, including the ability to play online games, use VoIP, download large files, and stream HD video — all simultaneously and with consistent speeds.

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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.

This product has been tested for quality assurance and this product or its components may have been recycled.

* 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.

D-WN511T-1

System Requirements

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11n draft specification adapter or 2.4 GHz 802.11 b/ g wireless adapter. Alternatively, an Ethernet adapter and cable for each computer
- Microsoft® Windows® 98, Me, 2000, XP, Mac® OS, UNIX®, or Linux®
- Internet Explorer® 5.0
- We recommend using this product with the RangeMax NEXT Wireless Adapter (WN511T)

Standards

- IEEE802.11n draft specification, IEEE 802.11g, IEEE 802.11b, 2.4 GHz

Physical Specifications

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

Ease of Use

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

† “Draft-n Compliant” refers to compliance with IEEE 802.11n draft specification version 1.0 only.

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 Prevent (IDS)
- WiFi protected Access (WPA2- PSK, WPA- PSK)
- Wired Equivalent Privacy (WEP) 64- bit, 128- bit encryption for IEEE 802.11b and IEEE802.11g
- Wireless Access Control to identify authorized wireless network devices
- MAC address authentication
- Exposed Host (DMZ) for secure gaming
- **Privacy and Parental Control**
 - Time- based usage controls
 - Web site logging
 - URL content filtering
- **Warranty**
 - NETGEAR 1- year warranty