



# WPN824

## RangeMax™ Wireless Router

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

### 1000% more wireless coverage than standard 802.11g

As a 21st-century consumer, computers are an integral part of your life. But does your home computing environment work for you? Even if you already have a wireless network, you've probably found "dead spots" in your home where your Internet connection fades in and out, or drops off completely.

Now, say good-bye to those dead spots ... and say hello to the freedom to work (and play) absolutely anywhere in your home!

With the RangeMax Wireless Router, your whole house becomes a "hot spot." NETGEAR's exclusive RangeMax technology gives you the longest range of any wireless device on the market today - up to 10 times the wireless coverage of 802.11g. So you'll have a sizzling-fast, consistent connection in every room of your house ... and beyond.

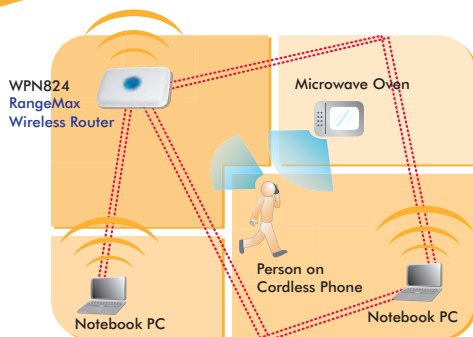
- Range Matters** ○ Put the NETGEAR RangeMax Wireless Router to work for you, and that's all you need – leave those range extenders, repeaters, and external antennas at the store. RangeMax adjusts to the interference and physical barriers in your home, and delivers up to 500,000 square feet of coverage – 1000% more than 802.11g. And you don't need to throw away your old wireless devices; RangeMax is 100% compatible with your existing 802.11b/g products and will boost their range and speed by up to 50%.

- Power** ○ RangeMax is an advanced Smart MIMO (Multi-In, Multi-Out) technology that uses seven internal antennas. RangeMax constantly surveys your home environment for physical barriers and interference and adjusts the wireless signal to compensate for these performance blockers. For example, if you carry your laptop from the family room to the bedroom, RangeMax automatically senses the change and selects from over 100 possible antenna configurations to deliver you the fastest, clearest connection! Everyone will enjoy consistently high-speed connections, everywhere in your house – no drop-outs, and no dead spots.

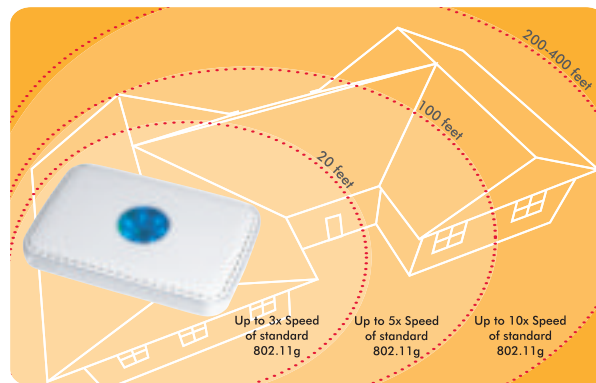
- Simple, Safe, Secure** ○ Think you can't set up your wireless router without an engineering degree? Think again. NETGEAR's SmartWizard™ makes the set-up easy and hassle-free. SmartWizard automatically detects your ISP's network settings, then walks you through each step of the installation process. It's like having your own computer technician, right by your side.



NETGEAR also ensures that every computer user in your home network can work and play safely – with a double firewall, WEP (Wired Equivalent Privacy), and WPA-PSK (Wi-Fi Protected Access, -Pre-Shared Key) Security, your network will have powerful safeguards against unauthorized usage.



Adapts to interferences on-the-fly



Mimo-G speeds throughout your home with RangeMax

**Product Specifications**

- **Standards:**  
IEEE 802.11b, IEEE 802.11g, 2.4 GHz
- **Physical Specifications:**
  - Dimensions: 8.8 x 6 x 1.2 in. (223 x 153 x 31 mm)
  - Weight: 1.2 lbs (.5 kg)
- **Warranty:**  
NETGEAR 1-year warranty (see information enclosed)

**System Requirements**

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11 b/g wireless adapter. Alternatively, an Ethernet adapter and cable for each computer
- Windows® 98, Me, NT, 2000, XP, Mac® OS, NetWare®, UNIX®, or Linux®
- Internet Explorer 5.0 or Netscape® 4.7 or higher
- We Recommend using this product with the WPN111, WPN311, or WPN511 RangeMax Wireless Adapters

**Package Contents**

- RangeMax Wireless Router (WPN824)
- 12V, 1.0 A power adapter, localized to country of sale
- Ethernet cable
- Vertical stand
- Setup Guide
- Resource CD
- Warranty/Support information card

**NETGEAR Related Products**

- RangeMax PC Card (WPN511)
- RangeMax USB Adapter (WPN111)
- RangeMax PCI Adapter (WPN311)
- Wireless Print Server (WGPS606)
- 54 Mbps Wireless Game Adapter (WGE111)
- PCMCIA Card (FA411)
- CardBus (FA511)
- PCI Adapter (FA311)
- USB 2.0 Adapter (FA120)
- USB Print Server (PS121)
- Powerline Bridge (XE102 - US only)

**Key Features**

- Seven internal smart antennas – no need to manually adjust and no risk of breaking
- SmartWizard™ simplifies setup by automatically detecting and configuring your router for virtually all ISP connections.
- **Performance Advantages:**
  - When used with RangeMax client adapters, delivers the longest range of any wireless technology on the market up to 500,000 square feet of uninterrupted coverage\*
  - Maintains video quality up to 10 times the effective speed when at long distances
  - Improves performance of existing legacy 802.11b and 802.11g wireless devices up to 50%
  - Five 10/100 (1 internet, and 4 LAN) ports equipped with auto-sensing technology
  - Data speed of up to 108 Mbps\*
- **Security:**
  - Double Firewall:
    - Network Address Translation (NAT) to hide PCs & 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)
    - Wired Equivalent Privacy (WEP) 64-bit,128-bit encryption
    - Wi-Fi Protected Access (WPA, Pre-Shared Key)
    - Wireless Access Control (SSID) to identify authorized wireless network devices
    - Supports 2 VPN pass-through tunnels (IPSec, L2TP, PPTP)
    - Exposed Host (DMZ) for secure gaming
    - MAC address authentication

• **Privacy & Parental Control:**

- “Trusted user” controls
- Time-based usage controls
- Web site logging
- Remote management
- URL content filtering



Smart MIMO technology by:



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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

