

# DG834PN

## RangeMax™ ADSL Modem Wireless Router



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

### ● **500% 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.

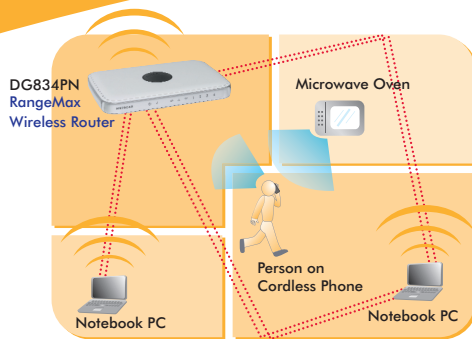
Now, say good-bye to those dead spots ... and say hello to the freedom to work (and play) absolutely anywhere in your home!

With the RangeMax ADSL2+ Modem 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 5 times the wireless coverage of 802.11g. So you'll have a sizzling-fast, consistent connection in every room of your house ... and beyond.

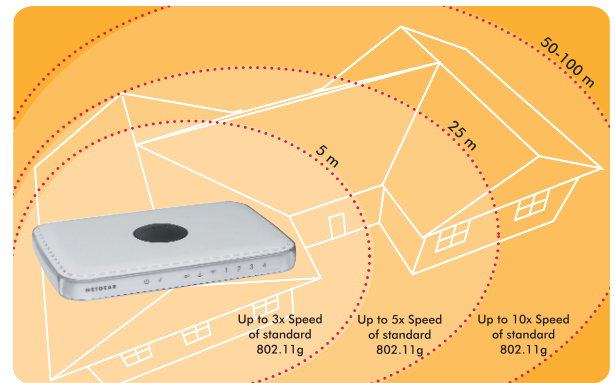
- Superior RangeMax Coverage** ● Put the NETGEAR RangeMax ADSL2+ Modem Wireless Router to work for you, and that's all you need – leave those range extenders, repeaters, and external antennas at the store. RangeMax adjusts to the interference and physical barriers in your home, and delivers up to 25,000 square meters of coverage – 500% 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%.

- Powerful Performance** ● RangeMax is an advanced Smart MIMO (Multi-In, Multi-Out) technology that uses six 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 scores of 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.

- Easy, Hassle-free Setup** ● No need for a separate modem – this unit connects directly into your ADSL line. Built-in Port Forwarding settings, Universal Plug and Play (UPnP™) and Virtual Private Network (VPN) pass-through make it simple to play Internet games, send instant messages, and host Internet services. The user interface matches your local language (English, French, German or Italian). The DG834PN supports PCs, Macintosh®, and virtually all Ethernet devices, and comes with a free Ethernet cable for connecting your first computer.



Adapts to interferences on-the-fly



MIMO-G speeds throughout your home with RangeMax

**Product Specifications**

- **Routing Protocol:**
  - Static and Dynamic Routing with TCP/IP, VPN pass-through (IPSec, L2TP, PPTP), NAT, UDP, RIP, PPPoE, PPPoA, Classical IP, DNS, DHCP (client & server)
- **Application Support:**
  - Works with most Internet applications including: Quake®, Half-Life®, StarCraft, Unreal Tournament®, ICQ®, AOL® Instant Messenger™, Microsoft Messenger®, NetMeeting®, RealPlayer®, Windows Media Player™, Net2Phone®, Dialpad®
- **Physical Interfaces:**
  - **LAN Ports:** Four (4) 10/100 Mbps auto-sensing, Auto Uplink™ RJ-45 ports (one Cat 5 UTP cable included), 802.11g access point and Super G
  - **WAN Port:** ADSL RJ-11, T1.413, G.DMT, G.Lite, ITU Annex A; Annex B version is DG834PNB
  - **Wireless speeds:** 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps Super G (auto-rate capable) 108 Mbps
  - **Modulation Type:** OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK
  - **Frequency:**
    - 2.412 - 2.462 GHz (US)
    - 2.412 - 2.472 GHz (Europe ETSI)
    - 2.457 - 2.462 GHz (Spain)
    - 2.457 - 2.472 GHz (France)
  - **Antenna:** 6 internal
  - **Standards Capability:** 802.11g
  - **Non-Standard Capability:** Super G
- **Security Features:**
  - **Firewall:** Stateful Packet Inspection, Intrusion logging and Reporting, Denial of Service protection
  - **VPN Functionality:** NAT traversal (VPN pass-through) for IPSec, PPTP and L2TP VPNs
  - **Mode of Operation:** Network Address Translation (NAT), static routing IP Address Assignment: Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN
  - **Wireless Security:** WEP, WPA-PSK, Disable Access Point, Hide SSID
- **Management Features:**
  - **Administration Interface:** web graphic user interface with protected user name and password, remotely accessible from designated IP addresses. Graphical user interface is available in English, French, German and Italian
- **User Support:**
  - Up to 253 LAN users
- **ADSL Specifications:**
  - ADSL, Dual RJ-11, pins 2 and 3, ANSI T1.413, G.DMT, G.Lite (ITU Annex A; Annex B is DG834PNB)

- **RFC Support:**
  - IPSec tunnel mode (RFC 2401)
  - (pass through mode), IP v.4
  - DHCP server (RFC 2131)
  - DHCP client (RFC 2131)
  - NAT (many-to-one) (RFC 1631)
  - IP Control Protocol (RFC 1332)
  - Bridged Ethernet Encapsulation (RFC 1483, 2684)
  - PPP over Ethernet (PPPoE) (RFC 2516)
  - PPP over ATM (PPPoA) (RFC 2364)
  - Classical IP over ATM (RFC 1577)
- **Functions:**
  - Remote Management, Port Range Forwarding, Exposed Host (DMZ), DNS Proxy, URL Content Filtering, E-mail Alerts
- **Maintenance:**
  - Save/Restore Configuration, Diagnostics, Upgrades via Web Browser, Logging
- **Power Adapter:**
  - 12 VDC, 1A; plug is localized to country of sale for North America, UK, Europe, Australia
- **Physical Specifications:**
  - **Dimensions (h x w x d):** 223 x 153 x 31 mm (8.8 x 6.0 x 1.2 inches)
  - **Weight:** 0.5kg (1.1lb)
- **Environmental Specifications:**
  - **Operating temperature:** 0 to 40° C (32 to 104° F)
  - **Operating humidity:** 90% maximum relative humidity, noncondensing
- **Warranty:**
  - NETGEAR 2-year warranty

**System Requirements**

- ADSL Internet service
- 2.4 GHz wireless optional Super G adapter or Ethernet adapter and cable for each computer
- Windows 98 SE, Me, NT, 2000, XP and other operating systems running a TCP/IP network
- Internet Explorer 5.0 or Netscape® 4.7 or higher

**Package Contents**

- RangeMax ADSL Modem Wireless Router DG834PN
- Power adapter
- Vertical Stand
- Ethernet cable
- Phone cable
- ADSL phone line filter (most countries)
- Resource CD
- Installation guide
- 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)
- Powerline Bridge (XE102 - US only)

**NETGEAR®**

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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.

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