DG834G
54 Mbps Wireless ADSL Firewall Adapter

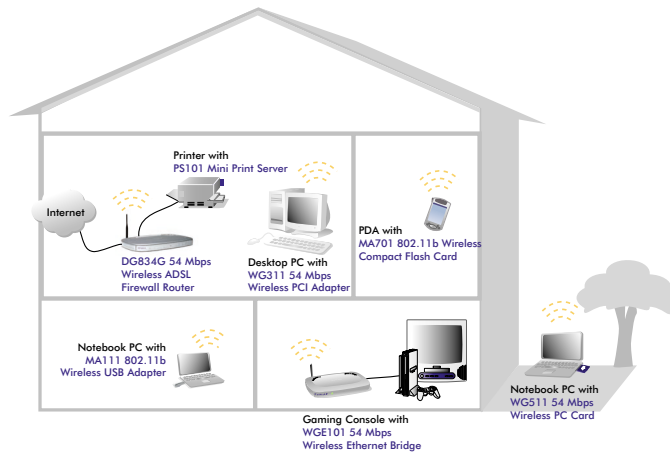## Wireless or Wired Instant Broadband Access with Internet Sharing

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

This 802.11g wireless router adds considerable power and flexibility to your network. Five products in one, it combines an ADSL modem, router, 10/100 LAN switch, 802.11g access point, and SPI True Firewall. It gives you untethered continuous connectivity to your network resources and the Internet, and allows you to share your broadband access with all of your networked computers wireless or with wires using Ethernet cables. Featuring high-speed 802.11g wireless capability – up to five times faster than 802.11b – it allows you to download large files, videoconference, and distribute and play high-quality digital movies, photos, and MP3s in the blink of an eye. Simple to use, it plugs directly into your ADSL line. An integrated switch lets you directly connect four computers or any combination of four computers, access points or printers. Setup couldn't be easier – NETGEAR's Smart Wizard install assistant and on-screen help guide you through each step. The Smart Wizard automatically detects and makes the best connection to your ISP. True Firewall protects your network with business-class security against intruders, including logs and alerts of break-in attempts, while VPN pass-through makes it safe to connect to your business network from home or office. The contemporary, sleek design of this unit suits your home or office. Future upgrades to firmware can be obtained via the Internet.

Faster Than Ever
The DG834G gives you instant connectivity with or without wires, and works with your existing 802.11b devices as well as your new 54 Mbps 802.11g devices. A built-in ADSL modem furnishes direct, always-on Internet connectivity and multi-user access sharing at speeds up to 140 times faster than dial-up. This powerful router distributes MP3s, digital movies and photos with ultra-fast 10/100 switched LAN ports capable of speeds of 200 Mbps, and shares a single IP address with up to 253 users. And, it boasts double the memory and a 50% faster CPU than many popular routers.

Hassle Free
No need for a separate modem – this 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. User interface matches your local language (English, French, German or Italian). It supports PCs, Macintosh®, and virtually all Ethernet devices, and comes with a free Ethernet cable for connecting your first computer.

Secure
True Firewall using Stateful Packet Inspection (SPI) and Intrusion Control features Denial of Service protection from hacker attacks, while VPN (Virtual Private Network) pass-through permits secure access to your office or corporate network and enables you to host VPN services. Content filtering lets you control access to inappropriate web sites and limit usage by time of day. Logs browsing activities and provides optional e-mail alerts so you can monitor access. DMZ support allows unrestricted access from the Internet to one computer (for hosting web services).

NETGEAR®
Everybody's Connecting.™

wireless

Product Specifications

- **Routing Protocol:**
  - Static and Dynamic Routing with TCP/IP, VPN pass-through (IPSec, L2TP, PPTP), NAT, UDP, RIP, PPPoE, PPPoA, Classic 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
  - **WAN Port:** ADSL RJ-11, T1.413, G.DMT, G.Lite, ITU Annex A; Annex B version is DG834GB
  - **Wireless speeds:** 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps (auto-rate capable)
  - **Modulation Type:** OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK
  - **Frequency:**
    2.412 ~ 2.462 GHz (US)
    2.412 ~ 2.484 GHz (Japan)
    2.412 ~ 2.472 GHz (Europe ETSI)
    2.457 ~ 2.462 GHz (Spain)
    2.457 ~ 2.472 GHz (France)

- **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

- **Management Features:**
  - **Administration Interface:** web graphic user interface with protected user name and password, remotely accessible from designated IP addresses

- **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 DG834GB)

- **Antenna:**
  - 2 dBi

- **Standards Capability:**
  - 802.11g

- **RFC Support:**

IPSec tunnel mode (pass through mode), IP v.4	(RFC 2401)
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:**
  - 15VAC 1.0A; Plug is localized to country of sale for North America, Japan, UK, Europe, Australia

- **Physical Specifications:**
  - **Dimensions:** 255 x 169 x 34 mm (10 x 6.7 x 1.3 in.)
  - **Weight:** 0.6 kg (1.3 lb)

- **Environmental Specifications:**
  - **Operating temperature:** 0 to 40º C (32 to 104º F)
  - **Operating humidity:** 90% maximum relative humidity, noncondensing

- **Warranty:**
  - NETGEAR 1-year warranty

System Requirements
- ADSL Internet service
- Ethernet connection (adapter and cable) for each PC
- 2.4 GHz wireless adapter or Ethernet adapter and cable for each computer
- TCP/IP Networking software (Windows® 95, 98, Me, NT, 2000, XP, NetWare®, UNIX®, Linux®)
- Windows® 95, 98, Me, NT, 2000, XP, Mac® OS, NetWare, UNIX, or Linux
- Internet Explorer 5.0 or Netscape® 4.7 or higher

Package Contents
- Wireless ADSL Firewall Router DG834G
- Power adapter
- Ethernet cable
- Phone cable
- ADSL phone line filter (most countries)
- Resource CD
- Installation guide
- Warranty/Support information card

NETGEAR Related Products
- FA120 USB 2.0 Adapter
- FA311 PCI Adapter
- FA511 Ethernet CardBus
- MA111 802.11b USB Adapter
- MA311 802.11b PCI Adapter
- MA521 802.11b PC Card
- MA701 802.11b Compact Flash Card
- ME101 802.11b Wireless Ethernet Bridge
- PS101 Mini Print Server
- WG311 54 Mbps Wireless PCI Adapter
- WG511 54 Mbps Wireless PC Card
- WGE101 54 Mbps Wireless Ethernet Bridge
- XE102 Powerline Bridge (U.S. only)

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* Free basic installation support provided for 90 days from date of purchase; optional premium support available.

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