



Push 'N' Connect



### VDSL2 Broadband Access

This VDSL2 WAN wireless gateway delivers the max in triple play services, power and flexibility to your customers. Six products in one, it combines a VDSL2 modem, router, LAN switch, 802.11n access point with NETGEAR Push 'N' Connect WiFi Protected setup, SPI double firewall, DECT & VoIP. It gives you untethered continuous connectivity to your network resources, the Internet, Voice and IPTV. Featuring real time QoS and high-speed 802.11n wireless capability—up to five times faster than 802.11g—it allows your customers to stream HD video, download large files, videoconference, and distribute and play high-definition digital movies, photos, and MP3s in the blink of an eye. An integrated switch lets customers directly connect any combination of four wired IP devices: computers, network storage, IP STBs, Femtocells or printers. The integrated voice features support existing DECT and new CAT-IQ compliant handsets for feature rich telephony. 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. The double firewall protects your customers against intruders, including logs and alerts of break-in attempts, while VPN pass-through makes it safe to connect to the customers' business network from home.

### Faster than Ever

VVG2000 product family gives you instant connectivity with or without wires, and works with your existing 802.11g/b devices as well as your new 802.11n devices. This powerful router distributes real time MP3s, digital movies and VoIP in addition to data traffic including Web browsing, Network Storage access, graphics and photos with fast 10/100 switched LAN ports, and shares a single IP address with up to 253 users.

### Hassle Free

Built-in port forwarding settings, Universal Plug and Play (UPnP™) and virtual private network (VPN) pass-through make it simple to play Internet games, stream or download video, make phone calls and host Internet services. It supports PCs, Apple Computers, and virtually all Ethernet devices. It comes with an Ethernet cable for connecting your first computer.

### Secure

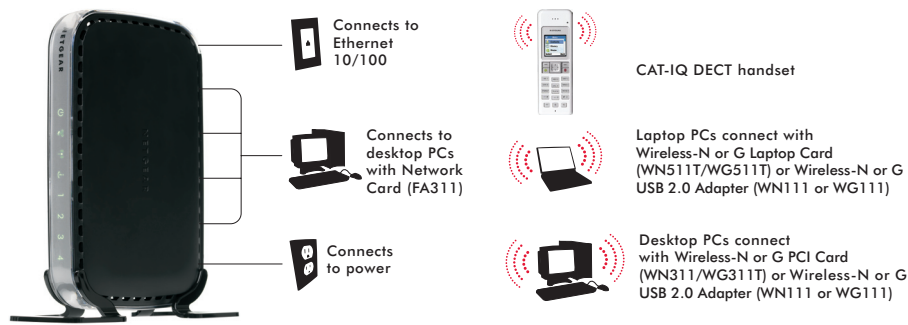
Double firewall using Stateful Packet Inspection (SPI) and intrusion control features Denial of Service protection from hacker attacks, while VPN (Virtual Private Network) pass-through permits secure access to your office or corporate network and enables you to host VPN services. Content filtering lets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



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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 rate.





### System Requirements

- VDSL2 Internet service
- 2.4 GHz 802.11n WiFi adapter or Ethernet adapter and cable for each computer
- Microsoft Windows Vista, XP, 2000, and other OSs running TCP/IP
- Microsoft® Internet Explorer 5.0 or higher, VISTA Ready

### Physical Interfaces

- LAN Ports: Four 10/100 auto-sensing MDIX, Auto Uplink™ RJ-45 ports
- WAN Port: VDSL2
- Wireless: 802.11n in the 2.4 GHz band
- USB 2.0 Host (2 ports)
- 2.4GHz CAT-IQ DECT Radio (2 Channels)
- FXS for analog phones (1 line) FXO (1) for power failure transfer

### Security

- Intrusion logging and reporting
- Mode of operation: Port and Network Address Translation (NAT), static routing
- IP Address Assignment: Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN

### VoIP Voice Features

- Caller ID, Call hold, transfer, forwarding, return, conference, redial
- Speed dial, anonymous call, Voice mail
- Codecs: G.711, G723.1, G.726, G729a, G.722, G.168
- T.38 Fax relay
- Tone Detect/Generate
- G.711 fax pass through
- Conference call with PSTN
- Multiple SIP ID

### Power

- Adapter: 12V DC, 1.5A; plug is localized to country of sale
- ON/OFF Power Switch
- Input Power: 17W

### Physical Specifications

- Dimensions: 223 x 153 x 31 mm (8.8 x 6.0 x 1.2 in)
- Weight: 0.5 kg (1.06 lb)

### Environmental Specifications

- Operating temperature: 0° to 40° C
- Operating humidity: 90% maximum relative humidity, non-condensing

### Warranty

- US: NETGEAR 1-year warranty
- Rest of world: 2-year warranty

### Package Contents

- VDSL2 Gateway (VVG2000 or VVG2000B)
- Power adapter
- Ethernet cable, Phone cable
- Vertical stand, Setup CD
- Warranty/support information card

### Compliances

- CE, A-Tick, WiFi, TR-069, TR-104, TR-106, TR-111 Part 1

### Network Management

- UPnP, Remote Web Management

### Statistics (by LAN/WAN Port)

- Link Status
- Transmit / receive traffic in packets
- Collisions
- Percentage of line utilization—TX/RX
- Average line utilization
- Up Time
- Poll Interval between updates
- WAN Monitoring

### LEDs (TR-068 Compliant)

- Power, VDSL, Internet
- USB, Wireless, LAN Activity, DECT
- VoIP channel active (4 for either DECT or FXS off-hook), PSTN / FXO

### Application Layer

#### Routing / Switching

- DHCP, DNS (proxy & dynamic)
- FTP, HTTP, IPCP, IRC, NNTP, NTP, RTP, RTSP
- Selectable RFC 3263 DNS server
- SMTP, SNMP, TELNET

#### VoIP Call Control

- SIP for VoIP, STUN for NAT traversal

#### Transport Layer

- ECN, TCP, UDP

#### Network/Internet Layer

- ARP, ICMP, IGMP V3/V3
- IPv4, IP Frag & Reas, IPoE, IPSec Pass-Through, NAT/PAT, RARP, RIP V1, V2
- Static Routing

#### WiFi

- 802.1x
- Disable SSID broadcast
- MAC address Access Control
- Multiple SSIDs, WEP 64/128 bit, WMM-QoS, WPA, WPA-PSK, WPA2, WPA2-PSK, WPS with pin & pushbutton

### VVG2000 Product Model Summary

Model	VDSL2 802.11n				
	Annex	Radio	FXS	FXO	DECT
VVG2000	A	Y	Y	N	N
VVG2000D	A	Y	Y	Y	Y
VVG2000B	B	Y	Y	N	N
VVG2000BD	B	Y	Y	Y	Y

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This product is packaged with a limited warranty, the acceptance of which is a condition of sale.

\*Basic technical support provided for 90 days from date of purchase.

DS-VVG2000-0