# WIRELESS N VOIP VDSL2 MODEM ROUTER
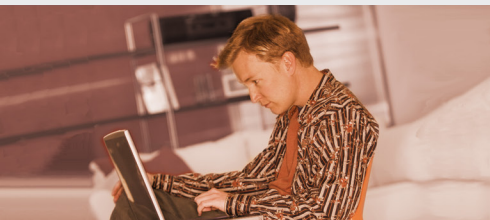
### CONNECT TO INTERNET PHONES
2 FXS phone ports, 1 FXO line port for two Internet phone connections

### HIGH-SPEED WIRELESS INTERNET
Built-in VDSL2 modem with up to 100 Mbps downstream, 50 Mbps upstream speed and 802.11n WLAN with up to 300 Mbps wireless speed

### SECURE NETWORK SHARING
Firewall protection, user access control, WPA/WPA2 wireless security, QoS support – all from a single device

### EVERYTHING YOU NEED FOR A HOME
Get everything from the D-Link DVA-N6670B Wireless N VoIP VDSL2 Modem Router. This all encompassing device includes an integrated high-speed VDSL2 modem, two VoIP phone connections, 802.11n wireless interface, and a 4-port Ethernet switch. This router provides all the functions that your home needs to establish a fast, secure Internet connection, make and receive Internet calls, and wirelessly share the Internet link with your family members.

### FAST VDSL SPEED FOR CLEAR INTERNET PHONE
The DVA-N6670B provides VDSL speeds of up to 100 Mbps downstream and 50 Mbps upstream, suitable for Internet phone calls. It combines the industry's latest Voice over IP technology with advanced communication features, and is compatible with industry-wise phone services. With two FXS phone ports and a FXO lifeline, this router can connect to two ordinary phone sets for two simultaneous phone calls, and relay phone calls to PSTN automatically in case of a power outage, so your phone line will always be available.

### SECURE WIRED AND WIRELESS CONNECTION
The DVA-N6670B provides an integrated 802.11n WLAN supporting wireless speeds of up to 300 Mbps, and four Ethernet ports to connect to four computers through the network cables. It provides WEP data encryption and WPA/WPA2 wireless security, Stateful Packet Inspection (SPI) firewall protection, MAC/IP/Port access filtering access, and day/time parental control. Traffic prioritization and classification enable your home to experience smooth VoIP and streaming media without concern of traffic congestion.

## BROADBAND

### WIRELESS N VOIP VDSL2 MODEM ROUTER
### DVA-N6670B

## WHAT THIS PRODUCT DOES

This all-in-one DVA-N6670B Router provides everything from a single box. Connect it to your phone wires and you can establish a high-speed VDSL2 line and make phone calls anywhere in the world using the Internet. This router lets a group of users surf the web and two people make Internet phone calls at the same time. It has a built-in 802.11n wireless interface and four LAN ports, so family members can connect to the network wirelessly or through network cables.

## CLEAR, SMOOTH VOICE OVER THE INTERNET

The DVA-N6670B incorporates a high-speed VDSL2 modem and Quality of Service (QoS) especially tuned for VoIP traffic to ensure that voice received through the Internet is the same as or even surpasses those received on the ordinary phone. It supports many useful functions such as call transfer, caller ID display, call hold, call waiting and hot lines to make it convenient to dial out or answer phone calls.

# TECHNICAL SPECIFICATIONS

### DEVICE INTERFACES
- 1 RJ-11 VDSL port (to phone line)
- 2 RJ-11 FXS ports (to analog phones)
- 1 RJ-11 PSTN port (lifeline to phone line)
- 4 RJ-45 10/100BASE-TX Ethernet LAN ports with auto MDI/MDIX (to computers)
- 1 USB 2.0 port
- 802.11n WLAN (AP wireless connection to computers)
- Factory reset button
- Power ON/OFF switch
- Wireless on/off switch
- WPS button

### VDSL FEATURES
- VDSL Transmission Band Plan: ITU-T G.993.2
- VDSL Duplex Method: Frequency Division Duplexing, FDD for both DS/US
- VDSL Line-code Scheme: Multi-Carrier Modulation (MCM)
- 5-band Operation meet ITU-T G.993.2, including U0, DS1, US1, DS2, US2, band from 25 kHz to 17 MHz
- VDSL Handshake Procedure: ITU-T G.994.1 compliant
- VDSL Physical-layer supports "Packet Transport Mode (PTM)"
- Supports Rate Adaptation
- Supports VDSL Line Status
- Performance: 100 Mbps downstream, 50 Mbps upstream

### VOIP PROTOCOL SUPPORT
- SIP (RFC 3261)

### TELEPHONE FUNCTION SUPPORT
- DTMF dial tone signal support
- Caller ID support

### AUDIO CODE
- G.711u-law/A-law
- G.723.1
- G.726
- G.729A/B

### ECHO CANCELLATION
- G.168

### FAX FUNCTION SUPPORT
- Transparent fax (G.711)

### VOIP NAT TRAVERSAL
- SIP

### WIRELESS LAN
- 802.11b/g standards
- 802.11n standard
- Wireless speed: up to 54 Mbps (802.11g), 300 Mbps (802.11n)
- Frequency range: 2.4 GHz to 2.484 GHz
- Antennas: dual 2x2 built-in MIMO antennas
- 64/128 bits WEP data encryption
- WPA/WPA2 (Wi-Fi Protected Access) security
- Multiple SSID
- 802.11e Wireless QoS (WMM/WME)
- MAC address-based access control

### NETWORK PROTOCOLS & FEATURES
- NAT/NAPT (RFC 1631)
- RIP v1 (RFC 1058)
- RIP v2 (RFC 1389)
- Static Routing
- DNS
- TCP/UDP
- ARP/RARP (RFC 826)
- ICMP (RFC 791)
- DHCP Server/Client (RFC 2131)
- IP Multicast - IGMP Proxy/Snooping
- UPnP Compliant
- Virtual Server/Port Forwarding
- DMZ
- SNTP/NTP
- Printer sharing

### FIREWALL/ACCESS SECURITY
- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention
- Packet filtering based on port, source IP address, destination IP address, MAC address (ICMP/TCP/UDP)

### VIRTUAL PRIVATE NETWORK (VPN)
- PPTP/L2TP/IPSec pass-through

### QOS
- VLAN port mapping QoS for 4 LAN ports
- Packets classification (IP/MAC/Port and physical port)
- IP TOS

### CONFIGURATION/MANAGEMENT
- Quick Installation Wizard
- Web-based GUI for remote/local management
- Firmware upgrade, configuration data upload/download via Web-based GUI
- Telnet server for remote/local management
- Syslog monitoring
- SNMP v.1, v.2c support with built-in MIB-I & MIB-II (RFC 1213)
- TR-069

### BANDWIDTH MANAGEMENT
- IGMP Snooping
- VLAN port mapping

### DIAGNOSTIC LEDS
- Power
- LAN 1 to 4
- WLAN
- USB
- VoIP 1 and 2
- PSTN
- VDSL
- Internet
- WPS

### POWER INPUT
- Through 12 V/1.5 A external power adapter

### OPERATING TEMPERATURE
- 0˚ to 40˚C

### STORAGE TEMPERATURE
- -20˚ to 70˚C

### OPERATING HUMIDITY
- 5% to 95% non-condensing

### CERTIFICATIONS
- CE

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