



DESIGNED FOR  
**ADSL**



## WIRELESS G ADSL2+ 4-PORT MODEM ROUTER

### **HIGH-SPEED ADSL2/2+ INTERNET CONNECTION**

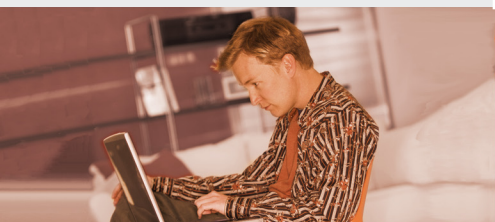
Latest ADSL2/2+ standards provide Internet transmission of up to 24Mbps downstream, 1Mbps upstream

### **ALL-IN-ONE SINGLE BOX SOLUTION**

Built-in ADSL interface, 54Mbps wireless LAN, 4-port Ethernet switch, QoS and firewall protection, all in one single desktop box

### **TOTAL COMPATIBILITY & EASE OF USE**

Works with all major Internet service providers, supports UPnP, easily installable by home and office users



### **ULTIMATE INTERNET CONNECTION**

The DSL-2640R wireless ADSL router is an affordable high performance ADSL router fit for homes and small offices. With integrated ADSL2/2+ supporting up to 24Mbps download speed, 802.11g wireless LAN, firewall protection, Quality of Service (QoS) and 4-port switch, this router provides all the essentials that a home or small office needs to establish a secure and high-speed remote link to the outside world.

### **AFFORDABLE HIGH-SPEED CONNECTION FOR HOMES & SMALL OFFICES**

Designed as a very affordable high performance ADSL router for home and SOHO users, the DSL-2640R provides not only low-cost, high-speed Internet connection, but also the security and Quality of Service (QoS) required by users in today's high risk and versatile Internet environments.

### **READY WIRED & WIRELESS LAN CONNECTION**

The DSL-2640R provides an integrated 802.11g WLAN interface supporting wireless speeds of up to 54Mbps and interoperability with 802.11b wireless devices on the 2.4GHz frequency band. It also provides four 10/100Mbps Ethernet switch ports for ready workstations connection. These built-in functions save you the cost and trouble of installing a separate wireless access point and an Ethernet switch.

### **FIREWALL PROTECTION & QoS**

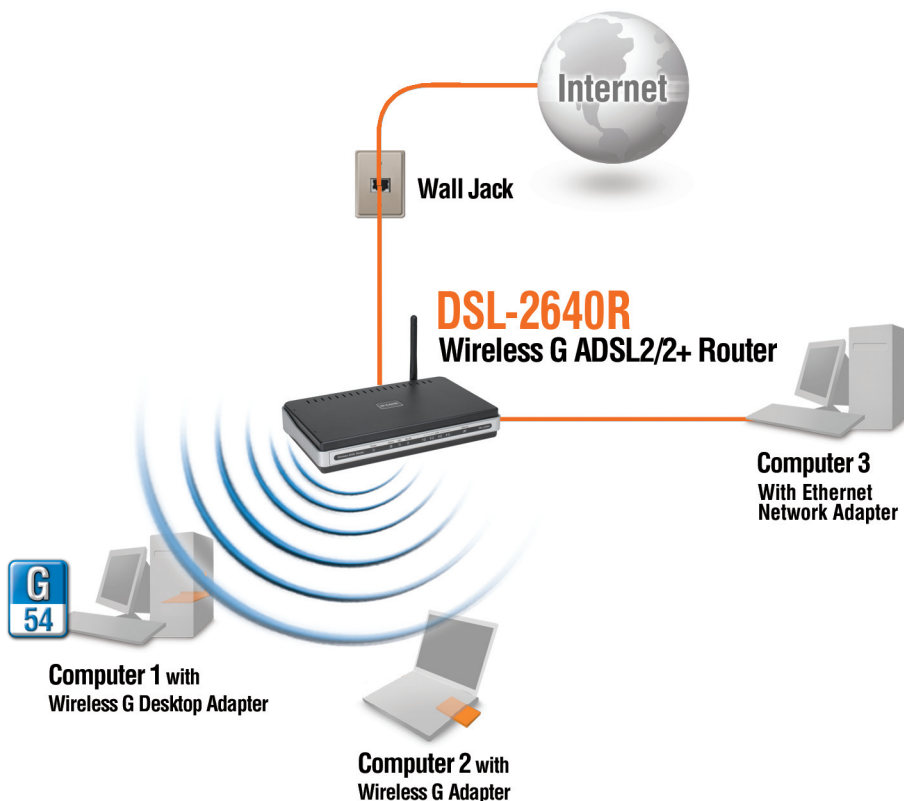
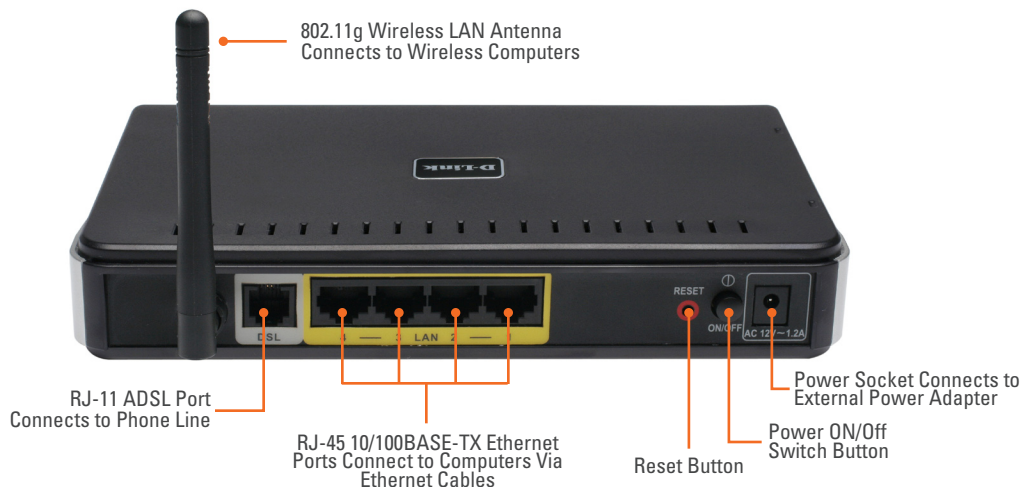
Security features prevent unauthorized access to the home and office network from Internet intruders. The router provides firewall security using Stateful Packet Inspection (SPI) and Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Router access control is provided with packet filtering based on port and source/destination MAC/IP addresses. For Quality of Service (QoS), the router supports multiple priority queues to enable a group of home or office users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion. This QoS support allows users to enjoy high ADSL transmission for applications such as VoIP, streaming multimedia and online games over the Internet.

#### WHAT THIS PRODUCT DOES

This wireless ADSL router connects to the Internet using an integrated high-speed ADSL2/2+ interface. Multiple computers at home or the office can share its high-speed Internet connection. The router provides firewall protection and QoS for secure and smooth online gaming, voice communication and downloading of photos, files, music and video over the Internet. Built-in 802.11g wireless LAN provides ready connection for wireless users, while 4 Ethernet ports provide connection to computers through the Ethernet cables

#### GET HIGH-SPEED ADSL SPEED

Ready ADSL connection with up to 24Mbps downstream and 1Mbps upstream. Watch TV, listen to live music and broadcast over the Internet, play games and experience clear Internet phone calls. Now, smooth streaming multimedia and VoIP voice are possible at home and in the office through a simple connection to this router.



## TECHNICAL SPECIFICATIONS

### HARDWARE

#### NETWORK INTERFACE

- + RJ-11 ADSL port

#### ADSL STANDARDS

- + ANSI T1.413 Issue 2
- + ITU G.992.1 (G.dmt) Annex A
- + ITU G.992.2 (G.lite) Annex A
- + ITU G.994.1 (G.hs)

#### ADSL2 STANDARDS

- + ITU G.992.3 (G.dmt.bis) Annex A
- + ITU G.992.4 (G.lite.bis) Annex A

#### ADSL2+ STANDARDS

- + ITU G.992.5 Annex A

#### LINE RATE

- + Downstream: up to 24Mbps
- + Upstream: up to 1 Mbps

#### PERFORMANCE

- + Pass DSL forum TR-067 performance criteria

#### LAN/HOST INTERFACE

- + Four RJ-45 10/100Mbps MDI/MDIX auto-sensing Fast Ethernet ports
- + STANDARD COMPLIANCE: IEEE 802.3, IEEE 802.3u

#### WIRELESS LAN STANDARD

- + IEEE 802.11
- + IEEE 802.11b
- + IEEE 802.11g

#### WLAN OPERATING FREQUENCY

2400 ~ 2484.5MHz ISM band

#### WLAN DATA RATES

- + IEEE 802.11b: 11, 5.5, 2 and 1Mbps
- + IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

#### ANTENNA

- + Non-detachable diversity antenna

#### LED INDICATORS

- + Power
- + Ethernet Link/Act
- + Wireless Link/Act
- + ADSL Link/Act
- + Internet Link/Act

### POWER

- + External linear power adapter
- + Reset button
- + TR-068

### SOFTWARE

#### BRIDGING/ROUTING

- + Transparent bridging
- + IPv4
- + IP Routing
- + IP Static Routing
- + IP Multicast
- + DHCP
- + DNS

#### ATM/ADSL

- + Multiple PVC
- + ATM Cell format
- + ATM Adaptation Layer
- + OAM support
- + ATM QoS (Traffic Shaping)
- + AIS
- + RDI OAM cells
- + VC and LLC multiplexing

#### PPP

- + Point-to-Point Protocol
- + PP over ATM
- + PP over Ethernet
- + User Authentication

#### WLAN

- + Hide SSID
- + WEP Encryption
- + WPA-PSK
- + WPA2
- + Configure RTS/CTS and Fragmentation Threshold
- + MAC Address Filter

#### SECURITY

- + NAT
- + VPN pass through
- + NAT ALG: CUSeeMe, ICQ, IRC, LDAP, PPTP, FTP, Quake, RTSP, SIP, H.323, Netbios over TCP/IP
- + Remote User Access Control
- + Virtual Server

### PORT MAPPING QOS

- + Ethernet port
- + Wireless interface
- + 802.1p based priority

### IP QOS

- + 802.1p based priority
- + IPv4 TOS priority
- + Diffserv QoS

### CONFIGURATION/MANAGEMENT

- + Administration
- + HTTP Server
- + Telnet
- + TFTP/FTP
- + SNMP v.2c
- + Remote Management
- + Diagnostic
- + UPNP

### EVENT LOG

- + Real-time email alert and event log

### TR-069

### PHYSICAL & ENVIRONMENTAL

#### SAFETY

- + CSA International including CSA950, UL1950, IEC60950, EN60950

#### EMC

- + FCC Part 15 Class B
- + CE Class B

#### PTT

- + FCC Part 68

### WIRELESS CERTIFICATION

- + Wi-Fi certified
- + FCC Part 15 Subpart C
- + CE EN 300 328

### OPERATING TEMPERATURE

0 °C to 40 °C

### STORAGE TEMPERATURE

-20 °C to 70 °C

### OPERATING HUMIDITY

5% to 95% non-condensing



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