



## WIRELESS G ADSL2+ 4-PORT ROUTER

### HIGH-SPEED INTERNET

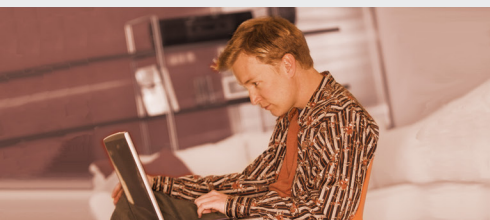
Latest ADSL2+ standards provide Internet transmission of up to 24Mbps downstream, 1Mbps upstream

### 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

### FULL 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-2640B Wireless G ADSL2+ 4-Port Router is an affordable high-performance ADSL router for home and the small office. With integrated ADSL2+ 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.

### READY WIRED & WIRELESS LAN CONNECTION

The DSL-2640B Wireless G ADSL2+ 4-Port Router 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.

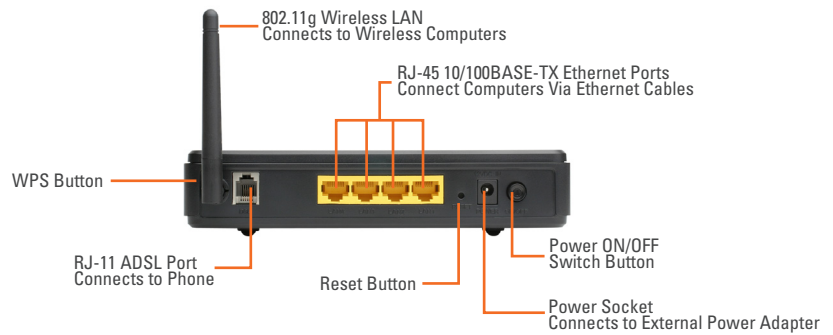
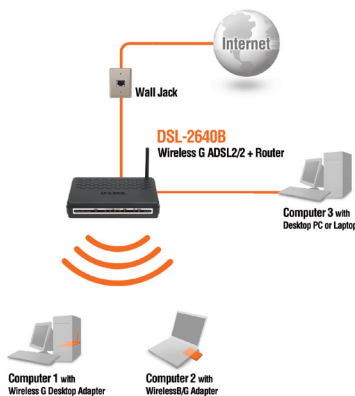
### WHAT THIS PRODUCT DOES

This wireless ADSL router connects to the Internet using an integrated high-speed ADSL2+ interface. Multiple computers at home or the office can share the high-speed Internet connection. The router provides firewall protection and QoS for secure and smooth on-line games, voice communication and download 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 on the Internet, play games and experience clear Internet phone calls. Now, smooth streaming multimedia and VoIP are possible at home and in the office through a simple connection to this router.

### YOUR NETWORK SETUP



## TECHNICAL SPECIFICATIONS

#### DEVICE INTERFACES

- 1 RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Fast Ethernet LAN switch ports with auto MDI/MDIX
- Built-in 802.11g WLAN

#### WIRELESS LAN

- IEEE 802.11g standard
- Frequency range: 2.4 GHz to 2.497 GHz
- Wireless speed: up to 54Mbps
- Multiple SSID
- MAC-based ACL
- 802.11e WLAN QoS (WMM/WME)
- WPS support

#### ADSL STANDARDS

- ADSL: Full-rate ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt) Annex A, ITU-T G.992.2 (G.lite) Annex A, ITU-T G.994.1 (G.hs)
- ADSL2: ITU-T G.992.3 (G.dmt.bis) Annex A/L/M, ITU-T G.992.4 (G.lite.bis) Annex A
- ADSL2+: ITU-T G.992.5 Annex A (Annex L/M optional)

#### ADSL DATA RATES

- G.dmt: 8Mbps downstream, 832Kbps upstream
- G.lite: 1.5Mbps downstream, 512Kbps upstream
- ADSL2: 12Mbps downstream, 1Mbps upstream
- ADSL2+: 24Mbps downstream, 1Mbps upstream

#### ATM & PPP PROTOCOLS

- Multiple protocol encapsulation over AAL5
- Bridged and routed Ethernet encapsulation
- Logical Link Control (LLC) encapsulation

- VC-based multiplexing
- ATM Forum UNI3.1/4.0 PVC
- ATM Adaptation Layer Type 5 (AAL5)
- ITU-T I.610 QAM F4/F5 loopback
- ATM QoS (Traffic Shaping)
- PPP over ATM
- PPP over Ethernet

#### NETWORK PROTOCOLS AND FEATURES

- IP Static Routing
- RIP
- NAT
- Virtual Server, Port Forwarding
- DHCP server/client/relay
- DNS Relay, DDNS
- IGMP proxy
- SNTP
- IPSec

#### FIREWALL/ACCESS SECURITY

- NAT firewall
- MAC Filtering
- Packet Filtering (IP/ICMP/TCP/UDP)
- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) prevention
- Intrusion Detection System and logging
- DMZ

#### QOS

- Traffic Prioritization/Classification based on:
  - Port
  - 802.1p Priority Queues
  - Application port
  - User-defined (TCP/UDP/ICMP etc.)
- 3 priority queues per PVC
- PVC/VLAN port mapping
- IGMP v.2 snooping

#### VPN

- Multiple IPSec/PPTP/L2TP pass-through (maximum 3 sessions)

#### CONFIGURATION/MANAGEMENT

- Quick Installation Wizard
- Web-based GUI
- Web-based/TFTP firmware upgrade, configuration up/download
- UPnP
- SNMP v1, v2c, built-in MIB-I, MIB-II agent
- TR-069 compliant
- Factory reset button

#### FREQUENCY RANGE

- 2.4GHz to 2.485GHz

#### TRANSMISSION POWER

- 16.5dbm by 11b CHANNEL POWER

#### DIAGNOSTIC LEDS

- Power
- DSL
- WLAN
- LAN 1 to LAN 4
- Internet

#### POWER

- Power input: through 12VDC/1A, 100 - 240V, 50/60Hz external DC power adapter
- Power ON/OFF switch

#### OPERATING TEMPERATURE

- 0° to 40° C (32° to 104° F)

#### STORAGE TEMPERATURE

- -20° to 65° C (-4° to 149° F)

#### OPERATING HUMIDITY

- 5% to 95% non-condensing