D-Link®

WIRELESS G ADSL2+ 4-PORT ROUTER

HIGH-SPEED ADSL2+ INTERNET
Supports the latest ADSL2+ standards for up to 24Mbps downstream and 2Mbps upstream speeds over the Internet

ALL-IN-ONE SINGLE BOX SOLUTION
Get an ADSL modem with Ethernet and 54Mbps wireless networking, an Internet router, and QoS and Firewall protection all in a single device

TOTAL COMPATIBILITY AND EASE OF USE
Easy to install and works with all major Internet service providers

ULTIMATE INTERNET CONNECTION
The DSL-2640U wireless ADSL router is an affordable high-performance ADSL router for home and the small office. With integrated ADSL2/2+ support that provides up to 24Mbps download speeds, 802.11g wireless LAN, firewall protection, and Quality of Service (QoS) features, 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 HOME & SMALL OFFICE
Designed as a very affordable high-performance ADSL router for home and SOHO users, the DSL-2640U provides not only a low-cost, high-speed Internet connection, but also the security and Quality of Service (QoS) required by users in today's high-risk and varied Internet environments.

READY WIRED & WIRELESS LAN CONNECTION
The DSL-2640U 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. Quality of Service (QoS) supports multiple priority queues to provide a group of home or office users with a smooth network connection without traffic congestion. This QoS support allows users to enjoy high ADSL transmission speeds for applications such as VoIP, streaming multimedia, and online games over the Internet.

BROADBAND
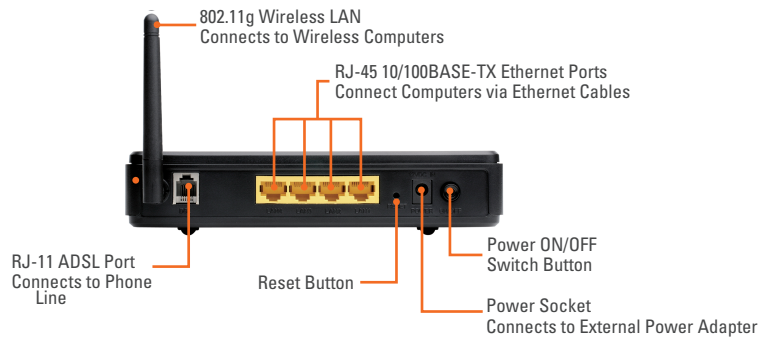
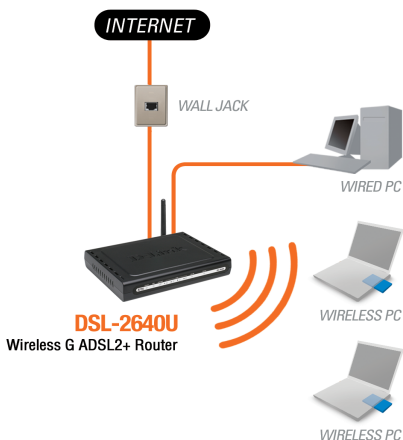# WIRELESS G ADSL2+ 4-PORT ROUTER
DSL-2640U

WHAT THIS PRODUCT DOES

This ADSL combination modem router connects your computer to the Internet using an integrated high-speed ADSL2+ interface. It provides a NAT and SPI firewall to protect your computer from Internet attacks, and QoS functions to prioritize traffic for smooth online gaming, streaming multimedia, and voice communication over the Internet, as well as download of large files, photos, music, and video. Share your Internet connection with other computers through the 4 Ethernet ports, or wirelessly with 802.11g wireless LAN connectivity.

HIGH-SPEED INTERNET ACCESS

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

YOUR NETWORK SETUP

802.11g Wireless LAN
Connects to Wireless Computers

RJ-45 10/100BASE-TX Ethernet Ports
Connect Computers via Ethernet Cables

RJ-11 ADSL Port
Connects to Phone Line

Reset Button

Power ON/OFF Switch Button

Power Socket
Connects to External Power Adapter

INTERNET

WALL JACK

WIRED PC

DSL-2640U
Wireless G ADSL2+ Router

WIRELESS PC

WIRELESS PC

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
- EEE 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 OAM 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

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 (minimum 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

CERTIFICATIONS
- FCC Part 15 Class B
- CE (EN55022/EN55024/EN300 328/EN301 489)
- CSA
- LVD
- RoHS compliant