



## ALL-IN-ONE ADSL2+ MODEM ROUTER

### FAST INTERNET

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

### HIGH-PERFORMANCE WIRELESS

Embedded 802.11n technology enables a high-speed wireless connection and complete backward compatibility with 802.11b/g wireless devices

### SHARE FILES AND USB DEVICES

Use the integrated USB port to share a USB storage device or multifunction printer on your network



### EVERYTHING YOU NEED FOR A HIGH-SPEED CONNECTION

D-Link's DSL-2750B All-In-One ADSL2+ Modem Router is a versatile, high-performance router for the home and the small office. Its built-in ADSL2/2+ modem supports download speeds of up to 24 Mbps. With features like firewall protection, Quality of Service (QoS), 802.11n wireless LAN, backward compatibility with 802.11b and 802.11g wireless devices, four Ethernet ports, and one USB port, this router provides all the functions that a home or small office needs to establish a secure and high-speed link to the outside world.

### ULTIMATE WIRELESS CONNECTION

This router features 802.11n technology that delivers increased range and wireless speeds of up to 300 Mbps, so you can enjoy a fast wireless connection for Internet browsing and file transfers. This router is also backward compatible with 802.11b and 802.11g devices, so you can also connect wirelessly with such devices. The DSL-2750B also supports WPA/WPA2 and WEP data encryption methods for protecting your wireless network from unauthorized access.

### SHARE A PRINTER OR USB DRIVE

Users can connect a USB multifunction printer to share printing and scanning functions, allowing a single printer to be used for an entire office or household. By plugging a USB hard drive or flash drive into the USB port, you can create a shared storage space for all the computers and devices on your network.

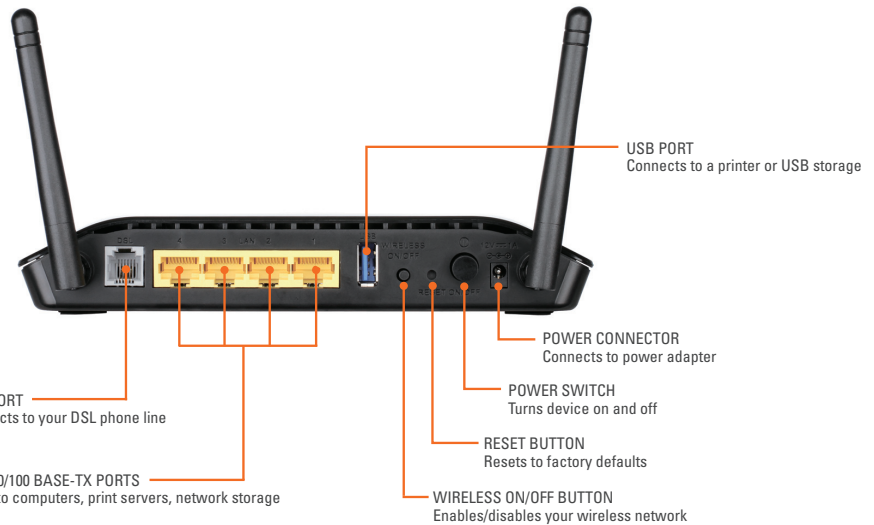
### FIREWALL PROTECTION

This router's security features prevent unauthorized access to your private network from wireless devices or from the Internet. These features include firewall security, such as Stateful Packet Inspection (SPI) and hacker attack logging. SPI inspects the content of incoming packets before they are allowed in, while hacker logging helps to protect your network against Denial of Service (DoS) attacks. Together, these features keep your network safe and secure, allowing you to send e-mails and shop online with confidence.

### WHAT THIS PRODUCT DOES

This DSL-2750B All-In-One ADSL2+ Modem Router connects a group of users to the Internet, allowing multiple computers in a home or in an office to share an integrated high-speed ADSL2/2+ interface. It provides high-performance 802.11n wireless access for wireless computers and devices, four built-in Ethernet ports, firewall protection, and QoS for smooth and secure downloading or uploading of photos, files, music, video, and e-mail over the Internet. In addition, this router features a USB port that lets you share a USB storage device or printer on your private network.

### YOUR NETWORK SETUP



### TECHNICAL SPECIFICATIONS

#### DEVICE INTERFACES

- RJ-11 ADSL port
- Four 10/100BASE-TX MDI/MDIX RJ-45 ports
- 802.11n WLAN
- USB 2.0 port

#### WIRELESS LAN

- 802.11b/g/n standards
- Wireless speed: up to 300 Mbps (802.11n), 54 Mbps (802.11g)<sup>1</sup>
- Frequency range: 2.4 GHz to 2.484 GHz
- Antennas: 2 Non-detachable MIMO antennas
- 64/128-bit WEP data encryption
- WPA/WPA2 (personal/enterprise) security
- 802.1x RADIUS
- WPS (Wi-Fi Protected Setup)
- Multiple SSIDs\*
- 802.11e Wireless QoS (WMM/WME)\*
- MAC address-based access control

#### WIRELESS TRANSMISSION POWER<sup>2</sup>

- 17 dBm +/- 2 dBm

#### ADSL STANDARDS

- ADSL standards: Multi-mode, 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/L/M, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A/L/M

#### ADSL DATA RATES

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

#### ATM & PPP PROTOCOLS

- ATM Forum UNI3.1/4.0 PVC (up to 16 PVCs)\*
- ATM Adaptation Layer Type 5 (AAL5)
- ATM QoS (Traffic Shaping)\*
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- ITU-T I.610 OAM F4/F5

#### NETWORK PROTOCOLS

- WAN/LAN Switchable Port
- NAT (maximum 4096 NAT sessions)
- DHCP server/client/relay
- Static Routing, RIP v.1, v.2\*
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server
- SNMP, DNS proxy, and IGMP proxy\*

#### FIREWALL/ACCESS SECURITY

- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attack prevention
- Packet filtering (IP/ICMP/TCP/UDP)
- Intrusion Detection System (IDS)
- DMZ
- Parental Control (URL blocking, scheduling)

#### VIRTUAL PRIVATE NETWORK (VPN)

- Multiple PPTP/IPSec/L2TP pass-through

### ENJOY HIGH-PERFORMANCE ADSL AND WIRELESS

Connect to your high-speed ADSL service at speeds of up to 24 Mbps downstream and 1 Mbps upstream. Watch TV, listen to live music and broadcasts on the Internet, and experience clear Internet phone calls. Built-in high-performance 802.11n wireless technology means that your wireless devices can now take advantage of the full bandwidth of your high-speed ADSL connection.

#### DEVICE CONFIGURATION/MANAGEMENT

- Installation Wizard
- Web-based GUI for configuration, firmware upgrade
- Code lock to prevent improper firmware upgrade
- Telnet
- Syslog monitoring
- TR-069 Client\*

#### QUALITY OF SERVICE

- LAN to WAN traffic prioritization/classification
- 802.1p (0 to 7) traffic prioritization\*
- Traffic Shaping
- IGMP Snooping with 32 multicast groups\*
- PVC/VLAN port mapping (bridge mode)\*

#### USB APPLICATIONS:

- Samba server
- Printer server

#### POWER INPUT

- Through 12 V / 1 A external switching power adapter

#### DIAGNOSTIC LEDs

- Power
- LAN (1 to 4)
- WLAN
- DSL
- Internet
- WPS
- USB

#### DIMENSIONS (L x W x H)

- 182.8 x 127.8 x 32 mm (4.7 x 7.8 x 1.2 inches)

#### WEIGHT

- 236 grams (0.52 lb)

#### OPERATING TEMPERATURE

- 0 to 40° C (32 to 104° F)

#### STORAGE TEMPERATURE

- -20 to 70° C (-4 to 158° F)

#### OPERATING HUMIDITY

- 5% to 95% non-condensing

#### CERTIFICATIONS

- C-Tick
- CE
- FCC
- IC
- WHQL
- Wi-Fi Certified
- WPS

\* Advanced features available on project requests, not applicable to standard retail release.

<sup>1</sup> Maximum wireless signal rate based on IEEE 802.11g and 802.11n 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. Environmental factors will adversely affect wireless signal range.

<sup>2</sup> Typical transmission power; transmission power setting varies according to country.



D-Link Corporation  
No. 289 Xinhu 3rd Road, Neihu, Taipei 114, Taiwan  
Specifications are subject to change without notice.  
D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries.  
All other trademarks belong to their respective owners.  
©2013 D-Link Corporation. All rights reserved.  
Release 01 (June 2013)