



## WIRELESS N ADSL2+ 4-PORT WI-FI ROUTER

### HIGH-SPEED INTERNET

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

### HIGH-PERFORMANCE WIRELESS

High-speed 802.11n wireless gives you superior speed and range while remaining compatible with 802.11g/b devices

### TOTAL SECURITY & QoS

Firewall protection, user access control, WPA/WPA2 wireless security, and priority queues



### HIGH-SPEED INTERNET

The DSL-2750U Wireless N ADSL2+ 4-Port Wi-Fi Router is a versatile, high-performance router for home and the small office. With integrated ADSL2/2+ supporting download speeds up to 24 Mbps, firewall protection, Quality of Service (QoS), 802.11n wireless LAN, and 4 Ethernet switch ports, this router provides all the functions that a home or small office needs to establish a secure and high-speed link to the Internet. You can even share your mobile Internet connection when on the road by connecting a compatible 3G USB adapter, such as the DWM-152 or DWM-156.

### ULTIMATE WIRELESS CONNECTION WITH MAXIMUM SECURITY

This router provides wireless speeds that are up to 4 times faster than 802.11g<sup>1</sup>. Maximize wireless performance by connecting this router to computers equipped with wireless N interfaces and stay connected from virtually anywhere at home and in the office. The router can also be used with 802.11g and 802.11b wireless networks to enable significantly improved reception. It supports WPA/WPA2 and WEP for flexible user access security and data encryption methods, and a built-in WPS button provides easy wireless setup. A wireless ON/OFF button is also included for user convenience.

### FIREWALL PROTECTION & QoS

Security features prevent unauthorized access to the home and office network from wireless devices or from the Internet. The Wireless N ADSL2+ 4-Port Wi-Fi Router provides firewall security, such as Stateful Packet Inspection (SPI) and hacker attack logging. SPI inspects the contents of incoming packets before they are allowed in, while hacker logging helps to protect your network against Denial of Service (DoS) attacks. For Quality of Service (QoS), the router supports priority queues to enable a group of home or office users to experience the benefit of a smooth network connection without worrying about traffic congestion.

### COMPATIBILITY ASSURANCE

The Wireless N ADSL2+ 4-Port Wi-Fi Router is backward compatible with existing 802.11b and 802.11g wireless equipment, ensuring compatibility with a wide range of wireless devices. In addition, this router includes four Ethernet ports ready for you to connect Ethernet-enabled PCs, print servers and other devices.

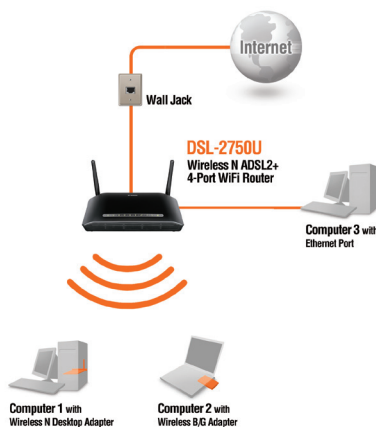
### WHAT THIS PRODUCT DOES

The DSL-2750U Wireless N ADSL2+ Wi-Fi Router connects a group of users to the Internet, allowing multiple computers at home or the office to share an integrated high-speed ADSL2/2+ interface. It provides high-performance 802.11n wireless access for wireless networked computers, 4 built-in Ethernet ports, firewall protection, and QoS for smooth and secure download/upload of photos, files, music, video, and e-mail over the Internet.

### GET HIGH-SPEED ADSL AND WIRELESS PERFORMANCE

Connect to your high-speed ADSL connection with 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 LAN means that your wireless devices can now take advantage of the full bandwidth of your high-speed ADSL connection.

### YOUR NETWORK SETUP



## TECHNICAL SPECIFICATIONS

#### DEVICE INTERFACES

- RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX
- Built-in 802.11n wireless LAN
- Factory reset button
- WPS button
- Wireless on/off switch (optional)
- Power on/off switch
- USB host 2.0

#### WIRELESS LAN

- 802.11b/g/n standards
- Wireless speed: up to 54 Mbps (802.11g), 300 Mbps (802.11n)<sup>1</sup>
- Frequency range: 2.4 GHz to 2.4835 GHz
- EIRP: 17.6dBm
- Antennas: Dual 2x2 built-in MIMO antennas
- 64/128 bits WEP data encryption
- WPA/WPA2 (Wi-Fi Protected Access) security
- MAC address-based access control
- WPS

#### 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 (optional)

#### 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

#### TM & PPP PROTOCOLS

- ATM Forum UNI3.1/4.0 PVC (up to 8 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

#### ROUTER FEATURES

- WAN/LAN Switchable Port (optional)
- NAT & NATP
- DHCP server/client/relay
- Static Routing, RIP v.1, v.2
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server
- SNTP, DNS proxy and IGMP proxy
- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention
- Packet filtering (IP/ICMP/TCP/UDP)
- Supports IPv6

#### VIRTUAL PRIVATE NETWORK (VPN)

- Multiple PPTP/IPSec/L2TP pass-through

#### DEVICE CONFIGURATION/MANAGEMENT

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

#### USB

- USB printing
- USB storage
- Compatible 3G USB adapter connection

#### QUALITY OF SERVICE

- 802.1p (0 to 7) traffic tagging
- IGMP Snooping with 32 Multicast groups
- PVC/VLAN port mapping (bridge mode)

#### SECURITY

- IGMP
- PVC/VLAN port mapping (bridge mode)
- Parental Control (URL blocking, scheduling)

#### POWER INPUT

- Through 1A external power adapter

#### DIAGNOSTIC LEDS

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

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

- 162 x 116.8 x 33 mm (6.4 x 4.6 x 1.3 inches)

#### 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

- CE
- FCC

<sup>1</sup> Maximum wireless signal rate based on IEEE 802.11g standard 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.



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