



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

### HIGH-SPEED INTERNET

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

### HIGH-PERFORMANCE WIRELESS

Embedded latest draft 802.11n technology for high-speed wireless connection, and complete compatibility with 802.11b/g wireless devices

### TOTAL SECURITY & QoS

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



### ULTIMATE INTERNET CONNECTION

The DSL-2750E Wireless N ADSL2+ 4-Port Wi-Fi Router is a versatile, high-performance remote router for home and the small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed, 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.

### 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. There is a built-in WPS button for 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 DSL-2750E 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. Quality of Service (QoS) features allow the router to support priority queues, enabling a group of home or office users to experience the benefit of a smooth network connection without concern of traffic congestion. QoS support allows users to enjoy high speed ADSL transmission for applications such as gaming and streaming multimedia over the Internet.

### WHAT THIS PRODUCT DOES

The DSL-2750E 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

Ready ADSL connection with up to 24Mbps downstream and 1Mbps upstream. Watch TV, listen to live music and broadcast on the Internet and experience clear Internet phone calls. Built-in high performance draft 802.11n wireless LAN means that you don't have to compromise high-speed ADSL transmission with wireless speed constraints. Now, smooth streaming multimedia and gaming are possible anywhere at home or in the office.

### 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 draft 802.11n wireless LAN
- Factory reset button
- WPS button
- Wireless on/off switch
- Power on/off switch
- USB host 2.0

#### WIRELESS LAN

- 802.11b/g/n standards
- Wireless speed: up to 54Mbps (802.11g), 300Mbps (802.11n)<sup>1</sup>
- Frequency range: 2.4 GHz to 2.484 GHz
- 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

#### 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
- ADSL2+ standards: ITU G.992.5 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

- 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

- 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)

#### VIRTUAL PRIVATE NETWORK (VPN)

- Multiple PPTP/IPSec/L2TP pass-through

#### 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 (optional)
- WPS

#### USB

- USB printing
- USB storage
- 3G Dongle Backup (Optional)

#### 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
- USB
- DSL
- Internet

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

- 120.5 x 198 x 31.5 mm (4.7 x 7.8 x 1.2 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
- Anatel

<sup>1</sup> Maximum wireless signal rate based on IEEE 802.11g standard and 802.11n draft 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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