



## WIRELESS N 150 ADSL2+ 4-PORT ROUTER

### FAST INTERNET CONNECTION

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

### HIGH-PERFORMANCE WIRELESS

Wireless N 150 technology is ideal for high-speed wireless connections, and is compatible with 802.11n/g/b wireless devices

### TOTAL SECURITY & QoS

Firewall protection, user access control, WPA/WPA2 wireless security, and priority queues for smooth VoIP and multimedia



### HIGH-SPEED INTERNET

The Wireless N 150 ADSL2+ 4-Port Ethernet Router is a versatile, high-performance router for the home and the small office. It features integrated ADSL2/2+ supporting download speeds up to 24 Mbps, firewall protection, Quality of Service (QoS), fast wireless LAN, and four Ethernet switch ports, providing all the functions that a home or small office needs to establish a secure and high-speed link to the Internet.

### ULTIMATE WIRELESS CONNECTION

The Wireless N 150 ADSL2+ 4-Port Ethernet Router provides wireless speeds that are much faster than 802.11g. Maximize wireless performance and stay connected from virtually anywhere at home and in the office. 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.

### FIREWALL PROTECTION & QoS

Security features prevent unauthorized access to the home and office network from wireless devices or from the Internet. The Wireless N 150 ADSL2+ 4-Port Ethernet 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 150 ADSL2+ 4-Port Ethernet Router is backwards 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.

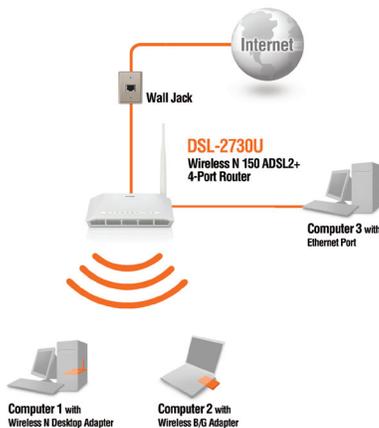
### WHAT THIS PRODUCT DOES

This Wireless N 150 ADSL2+ 4 port Ethernet Router connects a group of users to the Internet, allowing multiple computers in your home or office to share an integrated high speed ADSL2/2+ connection. It features four built-in Ethernet ports, firewall protection, and QoS for smooth and secure transfer of photos, files, music, video, and e-mail over the Internet.

### GET HIGH-SPEED ADSL AND WIRELESS PERFORMANCE

Connect to your ADSL connection at speeds of up to 24 Mbps downstream and 1 Mbps upstream. High-speed performance gives you smooth media streaming, so you can watch TV, listen to live music, broadcast over the Internet, and experience clear Internet phone calls. Wireless N 150 technology allows you to connect to 802.11n wireless devices at high speeds, so you can make full use of your broadband connection.

### YOUR NETWORK SETUP



### TECHNICAL SPECIFICATIONS

#### DEVICE INTERFACES

- RJ-11 ADSL port
- Four RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX
- Factory reset button
- WPS button
- Wireless on/off switch
- Power on/off switch

#### WIRELESS LAN

- 802.11b/g with some 802.11n features
- Frequency range: 2.4 GHz to 2.484 GHz
- 64/128 bits WEP data encryption
- WPA/WPA2 (Wi-Fi Protected Access) security
- Multiple SSIDs
- 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/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 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 (maximum 2048 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
- SNTP, DNS proxy, and IGMP proxy
- IPv6 Support (by demand)

#### FIREWALL

- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention
- Packet filtering (IP/ICMP/TCP/UDP)
- Intrusion Detection System (IDS)
- DMZ

#### 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
- WPS

#### QUALITY OF SERVICE

- LAN to WAN traffic prioritization/classification

- 802.1p (0 to 7) traffic prioritization
- Traffic Shaping

#### SECURITY

- IGMP Snooping with 32 Multicast groups
- PVC/VLAN port mapping (bridge mode)
- Parental Control (URL blocking, scheduling)

#### POWER INPUT

- Through 12 V AC 0.5 A external power adapter

#### DIAGNOSTIC LEDs

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

#### DIMENSIONS

- 195.16 x 115.93 x 36.55 mm (7.7 x 4.6 x 1.4 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 (EN55022/EN55024/EN300 328/EN301 489)



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