# D-Link®
**Building Networks for People**

## Product Highlights

**High-Speed Internet**

Latest ADSL2/2+ standards provide Internet transmission of up to 24 Mbps downstream for fast downloads and smooth streaming media

**High Performance Wireless**

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

**Secure Connection**

Latest security features keep your connection secure and prevent unauthorized access to the network

## DSL-2750U
# Wireless N300 ADSL2+ Modem Router

## Features

**Superior Performance Wireless**
- Integrated ADSL2/2+
- 802.11n wireless LAN
- 4 Ethernet switch ports

**Latest Security Features**
- WPA/WPA2 and WEP
- Stateful Packet Inspection (SPI)
- Quality of Service (QoS)

**High Speed Connectivity**
- Supports download speeds up to 24 Mbps
- Firewall protection
- Share Internet connection with a compatible 3G/4G USB adapter

The DSL-2750U Wireless N300 ADSL2+ Modem 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, the DSL-275OU 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/4G USB adapter.
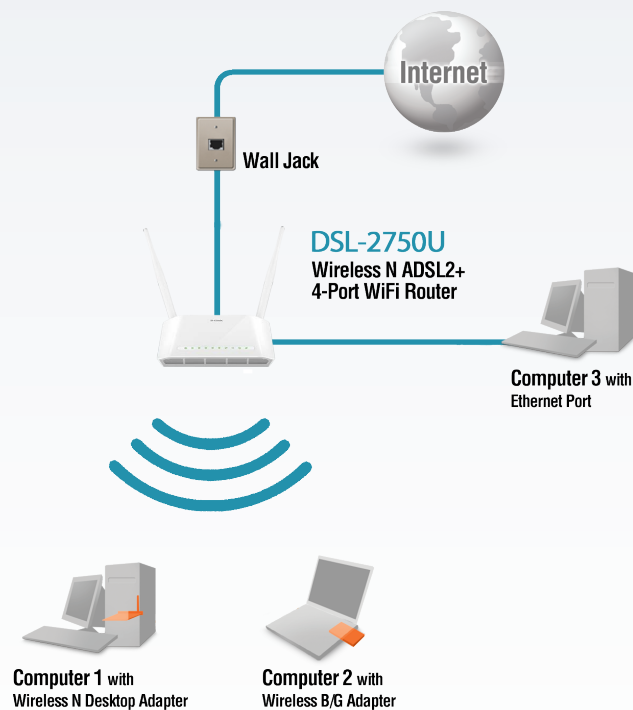
## Ultimate Wireless Connection

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 DSL-275OU 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.

## Secure Connection

Security features prevent unauthorized access to the home and office network from wireless devices or from the Internet. The Wireless N300 ADSL2+ Modem 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 N300 ADSL2+ Modem 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.

**Internet**

**Wall Jack**

### DSL-2750U
**Wireless N ADSL2+
4-Port WiFi Router**

**Computer 3** with
Ethernet Port

**Computer 1** with
Wireless N Desktop Adapter

**Computer 2** with
Wireless B/G Adapter

## Technical Specifications

### General

| Device Interfaces | • RJ-11 ADSL port<br>• 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX<br>• Built-in 802.11n wireless LAN<br>• Factory reset button | • WPS button<br>• Wireless on/off switch (optional)<br>• Power on/off switch<br>• USB host 2.0 |
|---|---|---|
| ADSL Standards | • Multi-mode,<br>• ANSI T1.413 Issue 2,<br>• ITU G.992.1 (G.dmt) Annex A | • ITU G.992.2 (G.lite) Annex A,<br>• TU G.994.1 (G.hs) |
| ADSL2 Standards | • ITU G.992.3 (G.dmt.bis)<br>• Annex A/L/M, ITU G.992.4 (G.lite.bis) Annex A | • ITU.G.992.5 Annex L/M (optional) |

### Functionality

# DSL-2750U Wireless N300 ADSL2+ Modem Router

| | | |
|---|---|---|
| Wireless LAN | • 802.11b/g/n standards<br>• Wireless speed: up to 54 Mbps (802.11g), 300 Mbps (802.11n) | • Frequency range: 2.4 GHz to 2.484 GHz<br>• Antennas: Dual 2x2 built-in MIMO antennas |
| ADSL Data Rates | • G.dmt: 8 Mbps downstream, 832 Kbps upstream<br>• G.lite: 1.5 Mbps downstream, 512 Kbps upstream<br>• ADSL2: 12 Mbps downstream, 1 Mbps upstream | • ADSL2+: 24 Mbps downstream, 1 Mbps upstream<br>• 64/128 bits WEP data encryption<br>• WPA/WPA2 (Wi-Fi Protected Access) security<br>• MAC address-based access control<br>• WPS |
| ATM & PPP Protocols | • ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs)<br>• ATM Adaptation Layer Type 5 (AAL5)<br>• ATM QoS (Traffic Shaping)<br>• Bridged or routed Ethernet encapsulation | • VC and LLC based multiplexing<br>• PPP over Ethernet (PPPoE)<br>• PPP over ATM (RFC 2364)<br>• ITU-T I.610 OAM F4/F5 |
| Router Features | • NAT & NAPT<br>• DHCP server/client/relay<br>• Static Routing, RIP v.1, v.2<br>• Universal Plug and Play (UPnP) Compliant<br>• Dynamic Domain Name System (DDNS)<br>• Virtual Server | • SNTP, DNS proxy and IGMP proxy<br>• Built-in NAT firewall<br>• Stateful Packet Inspection (SPI)<br>• DoS attacks prevention<br>• Packet filtering (IP/ICMP/TCP/UDP)<br>• Supports IPv6 |
| Virtual Private Network (VPN) | • Multiple PPTP/IPSec/L2TP pass-through | |
| Device Configuration/Management | • Installation Wizard (optional)<br>• Web-based GUI for configuration, firmware upgrade<br>• Code lock to prevent improper firmware upgrade | • Telnet<br>• Syslog monitoring<br>• TR-069 Client (optional) |
| USB | • USB printing<br>• USB storage | • Compatible 3G/4G USB adapter connection |
| Quality of Serivice | • 802.1p (0 to 7) traffic tagging<br>• IGMP Snooping with 32 Multicast groups | • PVC/VLAN port mapping (bridge mode) |
| Security | • IGMP<br>• PVC/VLAN port mapping (bridge mode) | • Parental Control (URL blocking, scheduling) |
| Power Input | • Through 1A external power adapter | |
| Diagnostic LEDs | • Power<br>• LAN (1 to 4)<br>• WLAN<br>• WPS | • USB<br>• DSL<br>• Internet |

## Physical

| | | |
|---|---|---|
| Dimensions | • 68 x 42 x 51 mm (2.68 x 1.65 x 2 inches) | |
| Weight | • 113.4 grams (0.25 lbs) | |
| Power | • Input: 100 to 240 V AC, 50/60 Hz | • Output: 5 V DC, 750 mA (via USB port) |
| Temperature | • Operating: 0 to 40 °C (32 to 104 °F) | • Storage: -20 to 65 °C (-4 to 149 °F) |
| Humidity | • Operating: 0% to 90% non-condensing | • Storage: 5% to 95% non-condensing |
| Certifications | • RCM | • DLNA<br>• Wi-Fi Certified |

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| Order Information | |
|---|---|
| *Part Number* | *Description* |
| DSL-2750U | Wireless N300 ADSL2+ Modem Router |

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