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D-Link DSL-2750U Wireless Modem

D-Link DSL-2750U Wireless Modem Router Specifications and Datasheet

Contents

D-Link

 D-Link DSL-2750U Wireless Modem Router

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**

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

- **Simple Setup**

  Set up the DSL-2750U in no time with the web-based setup wizard, and create wireless connections easily using Wi-Fi Protected Setup (WPS)

DSL-2750U

Wireless N300 ADSL2+ Modem Router

The DSL-2750U Wireless N300 ADSL2+ Modem Router is a versatile, high-performance router for a home or small office. With integrated ADSL2/2+, supporting download speeds up to 24 Mbps, firewall protection, Quality of Service (QoS), 802.11n wireless LAN, and four Ethernet switch ports, the Wireless N300 ADSL2+ Modem Router provides all the functions that a user needs to establish a high-speed link to the Internet.

Reliable Wireless Connection

Featuring 802.11n, the DSL-2750U reaches wireless speeds that are up to six times faster than 802.11g. Maximize wireless performance by connecting it to computers equipped with wireless N interfaces and stay connected from virtually anywhere in the home and in the office. Featuring an external antenna configuration,

wireless devices can take advantage of expanded wireless coverage. Supporting 802.11g and 802.11b, existing wireless devices can also connect to the network easily and quickly while enjoying significantly improved reception.

Enhanced Features

The Wireless N300 ADSL2+ Modem Router offers Quality of Service (QoS), which allows priority queues to enable a group of home or office users to experience a smooth network connection without worrying about traffic congestion. Virtual server allows users to forward ports for remote access. In addition, it includes four Ethernet ports for connecting PCs and other devices, making the DSL-2750U a logical choice for users who want a versatile and fast Wi-Fi router.

Features

- **Superior Performance Wireless**
  - Integrated ADSL2/2+
  - 802.11n wireless LAN
  - Four Ethernet switch ports
- **Security Features**
  - WPA/WPA2 encryption
  - Stateful Packet Inspection (SPI)
  - Network Address Translation (NAT)
- **Smooth Connectivity**
  - Supports download speeds up to 24 Mbps
  - Auto MDI/MDIX
  - Quality of Service (QoS)

Technical Specifications

General

Device Interfaces	• RJ-11 ADSL port • 4 x RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX • Factory reset button	• Built-in 802.11n wireless LAN • WPS button • Power on/off switch
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	• ITU G.992.5 Annex L/M (optional)

Functionality

Wireless Features	• 802.11n/g/b standards • Wireless speed: up to 54 Mbps (802.11g), 300 Mbps (802.11n)	• Frequency range: 2.4 GHz to 2.484 GHz
DSL Features	• G.dmt: 8 Mbps downstream, 832 Kbps upstream • G.lite: 1.5 Mbps downstream, 512 Kbps upstream • ADSL2: 12 Mbps downstream, 1 Mbps upstream • ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs) • ADSL2+: 24 Mbps downstream, 1 Mbps upstream • VC and LLC-based multiplexing	• PPP over Ethernet (PPPoE) • PPP over ATM (RFC 2364) • ITU-T I.610 OAM F4/F5 • ATM Adaptation Layer Type 5 (AAL5) • ATM QoS (Traffic Shaping) • Bridged or routed Ethernet encapsulation
Router Features	• NAT & NAPT • DHCP server/client/relay • Static Routing, RIP v.1, v.2 • Universal Plug and Play (UPnP) compliant • Dynamic Domain Name System (DDNS) • 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 • Web-based GUI for configuration, firmware upgrade	• Telnet • Syslog monitoring
Quality of Service	• 802.1p (0 to 7) traffic tagging • IGMP snooping with 32 Multicast groups	• PVC/VLAN port mapping (bridge mode)
Security Features	• IGMP • PVC/VLAN port mapping (bridge mode) 64/128 bits • WEP data encryption	• WPA/WPA2 (Wi-Fi Protected Access) encryption • MAC address-based access control • WPS

Status LEDs	• Power	• WPS
	• LAN (1 to 4)	• DSL
	• WLAN	• Internet

Physical

Dimensions	• 160 x 115 x 30 mm (6.30 x 4.53 x 1.18 inches)	
Weight	• 471 grams (16.61 ounces)	
Power	• Input: 100 to 240 V AC, 50/60 Hz	• Output: 12 V DC 0.5 A (via external adapter)
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	• CE	• LVD

Order Information

Part Number	Description
DSL-2750U	Wireless N300 ADSL2+ Modem Router

1 Maximum wireless signal rate derived from IEEE standard 802.11n specifications which are subject to change. 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 the wireless signal range.

Updated: 2017/12/11

Frequently Asked Questions

What are the key features of the D-Link DSL-2750U Wireless Modem Router?

The key features of this router include high-speed internet support with ADSL2/2+ standards, high-performance wireless connectivity with 802.11n, simple setup using the web-based setup wizard, and compatibility with older 802.11g/b devices.

What is the maximum download speed supported by this router?

The D-Link DSL-2750U supports download speeds of up to 24 Mbps downstream for fast downloads and smooth streaming media.

Is this router backward compatible with older wireless devices?

Yes, it is backward compatible with older 802.11g and 802.11b devices, ensuring that existing wireless devices can connect to the network easily.

Does this router support Quality of Service (QoS) for prioritizing network traffic?

Yes, the router offers Quality of Service (QoS) functionality, allowing you to enable priority queues to ensure a smooth network connection, especially for applications like video streaming or online gaming.

Can I set up a wireless connection easily with this router?

Yes, the D-Link DSL-2750U router features a web-based setup wizard for quick and straightforward setup. It also supports Wi-Fi Protected Setup (WPS) for easy wireless connections.

What are the security features of this router?

The router includes security features such as WPA/WPA2 encryption, Stateful Packet Inspection (SPI), Network Address Translation (NAT), MAC address-based access control, and support for WPS (Wi-Fi Protected Access).

Can I use this router with different operating systems?

Yes, the D-Link DSL-2750U supports a wide range of operating systems, including Microsoft Windows, Apple OSX, Linux, and Google Chrome OS.

What are the dimensions and weight of the router?

The router has dimensions of 160 x 115 x 30 mm (6.30 x 4.53 x 1.18 inches) and weighs 471 grams (16.61 ounces).

Does the router come with an external power adapter?

Yes, it comes with an external power adapter with an input voltage of 100 to 240 V AC and an output of 12 V DC 0.5 A.

What is the warranty for this router, and is there technical support available?

The D-Link DSL-2750U router is backed by a 2-year warranty from StarTech.com and includes free lifetime 24/5 multi-lingual technical assistance.

Can I use this router to share my internet connection with multiple devices?

Yes, the DSL-2750U has four Ethernet switch ports, allowing you to connect multiple devices, including computers, laptops, and other networked devices, to share your internet connection.

Does the router support wireless encryption for securing my Wi-Fi network?

Yes, the router supports WPA/WPA2 encryption, which helps secure your wireless network and protect it from unauthorized access.

Reference: **D-Link DSL-2750U Wireless Modem Router Specifications and Datasheet-Device.Report**

References

- **User Manual**