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

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

Safe Connection

Robust security features keep your connection secure, preventing unauthorized access to the network while minimizing traffic for a smooth connection

DSL-2790U

Wireless N300 ADSL2+ Modem Router

Features

Superior Performance Wireless

- Integrated ADSL2/2+
- 802.11n wireless LAN
- 4 Ethernet switch ports

Robust 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 USB adapter

The DSL-2790U Wireless N300 ADSL2+ Modem Router is a versatile, high-performance router for home and the small office. With integrated ADSL2/2+, supporting download speeds of up to 24 Mbps, firewall protection, Quality of Service (QoS), 802.11n wireless LAN, and 4 Ethernet switch ports, the DSL-2790U provides all the functions that a home or small office needs to establish a secure and high-speed connection to the Internet.

Ultimate Wireless Connection

The DSL-2790U reaches wireless speeds that are almost 6 times faster than 802.11g[1]. Maximize wireless performance by connecting it to computers equipped with Wireless N interfaces and stay connected from virtually anywhere at home and in the office. The DSL-2790U can also be used with 802.11g and 802.11b wireless networks to enable significantly improved reception. You can even share your mobile Internet connection when on the road by connecting a compatible 3G USB adapter.

Secure Connection

The DSL-2790U's 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. Additionally, it supports WPA/WPA2 and WEP for flexible user access security and data encryption methods, while a built-in WPS button provides an easy way to establish a secure wireless connection.

DSL-2790U Wireless N300 ADSL2+ Modem Router

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, making your older devices still relevent. In addition, it includes four Ethernet ports for connecting Ethernet-enabled PCs, print servers, and other devices, making the DSL-2790U the logical choice for users wanting a versatile and fast Wi-Fi modem router.

Technical Specifications

General

Chipset	• Broadcom BCM6318	
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
Antennas	• Two detachable 5 dBi antennas	
ADSL Standards	• Multi-mode • Full-rate ANSI T1.413 Issue 2 • ITU-T G.992.1 (G.dmt) Annex A/C/I	• ITU-T G.992.2 (G.lite) Annex A/C • ITU-T G.994.1 (G.hs)
ADSL2 Standards	• ITU-T G.992.3 (G.dmt.bis) Annex A/J/K/L/M	• ITU-T G.992.4 (G.lite.bis) Annex A
ADSL2+ Standards	• ITU-T G.992.5 Annex A/L/M	

DSL-2790U Wireless N300 ADSL2+ Modem Router

Functionality		
General	• 802.11b/g/n standards • Wireless speed: up to 54 Mbps (802.11g), 300 Mbps (802.11n) • 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) • Frequency range: 2.4 GHz to 2.4835 GHz • Antennas: Dual 2x2 built-in MIMO antennas	• EIRP: 18.76dBm • 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	• SNTP, DNS proxy and IGMP proxy • Supports IPv6 • Dynamic Domain Name System (DDNS) • Virtual server
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	• PVC/VLAN port mapping (bridge mode) 64/128 bits • Parental control (URL blocking, scheduling) • WEP data encryption • DoS attacks prevention • Packet filtering (IP/ICMP/TCP/UDP)	• WPA/WPA2 (Wi-Fi Protected Access) security • MAC address-based access control • WPS • Built-in NAT firewall • Stateful Packet Inspection (SPI)
Power Input	• Through 1 A external power adapter	
Status LEDs	• Power • LAN (1 to 4) • WLAN • WPS	• USB • DSL • Internet
Physical		
Dimensions	• 68 x 42 x 51 mm (2.68 x 1.65 x 2 inches)	
Weight	• 113.4 grams (4 ounces)	
Power	• Input: 100 to 240 V AC, 50/60 Hz	• Output: 12 V DC, 1 A
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	• Wi-Fi Certified

DSL-2790U Wireless N300 ADSL2+ Modem Router

Order Information	
Part Number	*Description*
DSL-2790U	Wireless N300 ADSL2+ Modem Router

[1] Maximum wireless signal rate derived from IEEE standard 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.

Updated 2014/11/04

Specifications are subject to change without notice. D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners.
©2014 D-Link Corporation. All rights reserved. E&OE.

D-Link®
Building Networks for People