



ADSL2/2+ Router

HIGH-SPEED ADSL2/2+ INTERNET CONNECTION

Upstream rate up to 1Mbps
Downstream rate up to 24Mbps

ALL-IN-ONE SOLUTION

Built-in ADSL interface,
shared Internet connection, QoS,
and firewall

COMPATIBILITY AND OPERABILITY

Easy configuration
and management through
web-based interface

Moderate-priced Solution for High-speed Connection for SOHO Business

DSL-2500U provides all the essentials for creating a secure high-speed wired network: ADSL/ADSL2/ADSL2+ standards, Fast Ethernet standard, the built-in firewall, the QoS engine, numerous additional features, and an Ethernet port, which can be used to connect to one computer or a switch.

Security

The router DSL-2500U includes a built-in firewall. The advanced security functions minimize threats of hacker attacks, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN.

Configuration and Management

You can configure and manage the settings of the router DSL-2500U via the user-friendly web-based interface (the interface is available in several languages).

DSL-2500U

Specifications

ADSL2/2+ Router

Hardware

Interfaces:

- ADSL: 1 RJ-11 port
- LAN: 1 RJ-45 10/100BASE-TX Fast Ethernet port with auto-MDI/MDIX.

ADSL Standards:

- ADSL:
 - full rate ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt) Annex A, ITU-T G.992.2 (G.lite) Annex A, ITU-T G.994.1 (G.hs).
- ADSL2:
 - ITU-T G.992.3 (G.dmt.bis) Annex A/L/M, ITU-T G.992.4 (G.lite.bis) Annex A.
- ADSL2+:
 - ITU-T G.992.5 Annex A/L/M.

Software

WAN Connection Types:

- PPPoE
- PPPoA
- IPoA
- Static IP
- Dynamic IP
- Bridge.

ATM/PPP Protocols:

- Bridged and routed Ethernet encapsulation
- VC-based or LLC-based multiplexing
- ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs)
- ATM Adaptation Layer Type 5 (AAL5)
- ITU-T I.610 OAM F4/F5 loopback
- ATM QoS
- PPP over ATM (RFC 2364)
- PPP over Ethernet (PPPoE)
- Keep-alive for PPP connections.

Network Protocols and Functions:

- Static IP routing
- NAT (*Network Address Translation*)
- DHCP server/client/relay
- DNS relay
- DDNS
- UPnP
- Support of VLAN
- IGMP proxy.

Firewall and Access Management Functions:

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- MAC filtering based on time of day and day of week
- URL filter
- Packet filtering (IP/ICMP/TCP/UDP)
- Virtual servers
- Prevention of DoS attacks
- Intrusion detection system
- DMZ
- Port Triggering.

QoS:

- 3 priority queues.

Configuration and Management:

- Multilingual web-based interface for configuration and management
- Access via TELNET
- Firmware update via web-based interface
- Saving/restoring configuration to/from file
- Support of remote logging
- Automatic synchronization of system time with NTP server.

Physical and Environmental

LEDs:

- Power
- Status
- LAN
- DSL
- Internet.

Power:

- External power adapter DC 5V/1A
- Reset to Factory Defaults button.

Ordering Information

DSL-2500U

ADSL2/2+ Router



Web:

<http://www.dlink.com/corporate/worldwideoffices/>