



DSL-500T (v.A1)

## ADSL Router for Home/SOHO

The DSL-500T is an ADSL Router designed for the small office and home. This router lets you quickly and easily connect to high-speed broadband Internet and share your ADSL line. With a built-in ADSL interface and advanced router functions, this device gives your business and home a convenient and cost-effective way to install a secure, fast network with bottleneck-free link to the outside world.

### Simplified Broadband Internet Connection

With this router, you can easily connect to your ADSL broadband line for Internet access in your office or at home. This device automatically creates an IP number and assigns for each user, simplifying everyone's logon operation.

### Network Security

The router provides NAT protection for your office and home users from any Internet intruders and hackers, plus VPN pass-through for extra security. It also blocks and redirects certain ports to limit the services that outside users can access your network. Virtual server mapping is used to re-task services to multiple servers. This router can be set to allow separate FTP, Web, and Multiplayer game servers to share the same Internet-visible IP address while still protecting your servers and workstations from hackers.

### DMZ Host to Open Public Domain

The router supports constricted DMZ to redirect unknown packets to a dedicated server/PC behind the router, enabling a client (such as a Web server) to fully expose it to the Internet and ensure complete Internet application compatibility. This

allows you to set up web sites and e-commerce business from your office while maintaining protection for the rest of your office LAN.

### Firmware Upgradeable to Support Better ADSL Standards

Firmware inside the DSL-500T can be upgraded to support new DSL standards, including ADSL2, ADSL2+ and reach-extended ADSL2 (RE-ADSL2), providing better speeds, longer distance coverage, reduced power consumption while maintaining ADSL's always-on functionality. This allows you to take advantages of the higher speeds and functions when the new standards become available from your service provider, without changing your existing ADSL hardware or installation.

### Functions & Standards

- High-speed Internet access via one WAN port on the existing phone line, connecting to end users or local hub via one Ethernet port
- ADSL line Internet sharing
- Built-in ADSL interface with widest range of DSLAM interoperability
- ADSL (ANSI T1.413 issue 2, G.dmt Annex A, G.lite Annex A) compliant
- Virtual Private Network (VPN) pass-through support
- DMZ and Virtual Server Mapping support
- Web-based configuration
- Upgradeable to ADSL 2, ADSL 2+, RE-ADSL2 standards \*

\* Upgrade firmware for ADSL2 available in the near future

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## Technical Specifications

## ADSL Router

### Router

#### LAN/Computer Interface

- 1 RJ-11 ADSL port
- 1 RJ-45 10/100BASE-TX Fast Ethernet LAN port

#### Routed Packet Type

IP packets

#### Routing Protocols & Methods

- RIP v1/v2 and static routing
- Dynamic routing

#### DHCP Support

- DHCP server (for automatic IP assignment)
- DHCP Client
- DHCP Relay

#### Security

- VPN support: PPTP/L2TP/IPSec pass-through
- Network Address/Port translation (NAPT)
- Authentication: PAP and CHAP
- DoS (UDP/TCP), detection of known attacks
- ID password authentication

#### Configuration and network Management

- HTTP server for web-based management
- TFTP for firmware upgrade
- Remote management through telnet or HTTP
- System logs
- Support UPnP 1.0
- Configuration backup and restore
- Factory reset

#### Statistics Monitoring

Ethernet, ATM and ADSL statistics

#### Diagnostic LEDs

- Power
- Status (system)
- ADSL Link/Act
- Ethernet Link/Act

### Built-in ADSL Modem

#### WAN ADSL Line Interface

- Compliant with G.dmt (ITU G.992.1) Annex A over PSTN line
- Compliant with G.lite (ITU G.992.2) Annex A over PSTN line
- Compliant with ANSI T1.413 issue 2
- Connector: RJ-11
- Firmware upgradeable to ADSL2, RE-ADSL2, ADSL2+ standards \*

\* Upgrade firmware for ADSL2 available in the near future

#### Data Rate

- T1.413/G.dmt, downstream: up to 8Mbps, upstream: up to 1Mbps
- G.lite, downstream: up to 1.5Mbps, upstream: up to 512 Kbps

#### ATM/ADSL

- ATM signaling: UNI3.0, 3.1 and 4.0
- ATM traffic shaping: UBR, CBR, VBR

#### Bridged/PPP Support

- Bridged Ethernet over ATM
- Classical IP over ATM
- PPP over ATM
- PPP over Ethernet

### Physical & Environmental

#### Power Input

Through 9VAC 1A external power adapter

#### Dimensions

142 X 117 X 31 mm

#### Weight

200 grams

#### Operating Temperature

0° to 40 °C

#### Storage Temperature

-20° to 70 °C

#### Operating Humidity

5% to 95% non-condensing

#### Emission (EMC/EMI)

- FCC Part 15 Class B
- CE EN55022 Class B

#### Safety

CSA International (CSA950, EN60950, IEC60950, UL1950)



## Ordering Information

<b>ADSL Router</b>	
<b>DSL-500T (v.A1)</b>	1 RJ-11 ADSL port 1 RJ-45 10/100BASE-TX LAN port

To select the router with built-in ADSL modem that works best with your service provider, please consult your nearest D-Link representative or distributor/reseller.

# D-Link®

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<b>U.S.A</b>	TEL: 1-714-885-6000	FAX: 1-866-743-4905
<b>Canada</b>	TEL: 1-905-8295033	FAX: 1-905-8295223
<b>Europe</b>	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
<b>Germany</b>	TEL: 49-6196-77990	FAX: 49-6196-7799300
<b>France</b>	TEL: 33-1-30238688	FAX: 33-1-30238689
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<b>Italy</b>	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
<b>Iberia</b>	TEL: 34-93-4090770	FAX: 34-93-4910795
<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
<b>Norway</b>	TEL: 47-22-309075	FAX: 47-22-309085
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<b>Finland</b>	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
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<b>Middle East (Dubai)</b>	TEL: 9714-8834234	FAX: 9714-8834394
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<b>Brasil</b>	TEL: 55-11-55039320	FAX: 55-11-55039321
<b>South Africa</b>	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
<b>Russia</b>	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
<b>Taiwan</b>	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
<b>D-Link Corp.</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

  
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Rev. 01 (Dec. 2003)