



— DSL-504T

## ADSL Router for Home/SOHO

### With Built-in 4-Port Switch

The DSL-504T is an ADSL Router designed for home and the small office. This router lets you quickly and easily connect to high-speed broadband Internet and share your ADSL line. With a built-in ADSL interface supporting up to 24Mbps download speed, 4 10/100BASE-TX Ethernet switch ports and advanced router functions, this device gives your home and business a convenient and cost-effective way to install a secure, fast network with bottleneck-free link to the outside world.

#### High-Speed 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.

#### Built-in ADSL Interface and Ethernet Switch Ports

A standard-based ADSL modem is built into this router, making connection to the Internet a breeze. The router also incorporates four 10/100Mbps Ethernet switch ports, providing ready connection for workstations and servers, while saving you the cost and trouble of installing a separate Ethernet switch.

#### 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.

### Standards & Features

- High-speed Internet access
- Built-in ADSL interface with widest range of DSLAM interoperability
- ADSL: G.992.1 G.dmt, G.992.2 G.lite, ANSI T1.413 issue 2 (full rate DMT over analog POTS) Annex A
- ADSL2: G.992.3 (G.dmt.bis) Annex A
- ADSL2+: G.992.5 Annex A
- G.994.1 G.hs auto-negotiation of different ADSL flavors
- 4 10/100BASE-TX switch ports auto-sensing 10/100Mbps Ethernet speeds for ready connection to 4 workstations/servers
- Virtual Private Network (VPN) pass-through support
- DMZ and Virtual Server Mapping support
- Firewall with Stateful Packet Inspection (SPI) function
- Web-based configuration

# DSL-504T

## Technical Specifications

## ADSL Router

### Router

#### Interface

- 1 RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Fast Ethernet LAN switch ports with auto MDI/MDIX

#### 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

#### Security

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

#### Configuration & Network Management

- HTTP server for web-based management
- 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

#### Standards

- ADSL standards: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A
- Auto-handshake: ITU G.994.1 (G.hs)

#### Data Rates

- G.dmt: 8Mbps downstream, 832Kbps upstream
- G.lite: 1.5Mbps downstream, 512Kbps upstream
- ADSL2: 12Mbps downstream, 1Mbps upstream
- ADSL2+: 24Mbps downstream, 1Mbps upstream

#### Performance

Passed DSL Forum TR-048 Performance Criteria

#### ATM/ADSL

- ATM Cell format ITU-T Rec. I.361
- ATM Adaptation Layer AAL5
- ATM signaling ATM Forum UNI3.1/4.0
- OAM support F4/F5 Loopback
- ATM QoS (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 12VAC 1.2A external power adapter

#### Dimensions

180 x 141 x 30 mm (device only)

#### Weight

332 grams (device only)

#### 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 Class B (EN55022)

#### Safety

CSA International (CSA950, EN60950, IEC60950, UL1950)



## Ordering Information

### ADSL Router DSL-504T

1 RJ-11 ADSL port  
4 RJ-45 10/100BASE-TX LAN switch ports

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®

Specifications subject to change without prior notice.  
D-Link is a registered trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietors.

<b>U.S.A.</b>	TEL: 1-800-326-1688	FAX: 1-866-743-4905
<b>Canada</b>	TEL: 1-905-8295033	FAX: 1-905-8295223
<b>Europe (U. K.)</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
<b>Netherlands</b>	TEL: 31-10-282-1445	FAX: 31-10-282-1331
<b>Belgium</b>	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
<b>Italy</b>	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
<b>Denmark</b>	TEL: 45-43-969040	FAX: 45-43-424347
<b>Norway</b>	TEL: 47-99-300-100	FAX: 47-22-309580
<b>Finland</b>	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081
<b>Spain</b>	TEL: 34-93-4090770	FAX: 34-93-4910795
<b>Portugal</b>	TEL: 351-21-8688493	
<b>Czech Republic</b>	TEL: 420-(603)-276-589	
<b>Switzerland</b>	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01
<b>Greece</b>	TEL: 30-210-9914 512	FAX: 30-210-9916902
<b>Luxemburg</b>	TEL: 32-(0)2-517-7111	FAX: 32-(0)2-517-6500
<b>Poland</b>	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76
<b>Hungary</b>	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
<b>Singapore</b>	TEL: 65-6774-6233	FAX: 65-6774-6322
<b>Australia</b>	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
<b>India</b>	TEL: 91-022-26526696	FAX: 91-022-26528914
<b>Middle East (Dubai)</b>	TEL: 971-4-3916480	FAX: 971-4-3908881
<b>Turkey</b>	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
<b>Egypt</b>	TEL: 202-414-4295	FAX: 202-415-6704
<b>Israel</b>	TEL: 972-9-9715700	FAX: 972-9-9715601
<b>LatinAmerica</b>	TEL: 56-2-232-3185	FAX: 56-2-232-0923
<b>Brazil</b>	TEL: 55-11-218-59300	FAX: 55-11-218-59322
<b>South Africa</b>	TEL: 27-12-665-2165	FAX: 27-12-665-2186
<b>Russia</b>	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
<b>China</b>	TEL: 86-10-58635800	FAX: 86-10-58635799
<b>Taiwan</b>	TEL: 886-2-6600-0123	FAX: 886-2-6600-1188
<b>Headquarters</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299