

- Built-in 4-port Ethernet Switch to connect all your devices
- Built-in ADSL2/2+ Modem with Firewall protection
- Quality of Service (QoS) for VoIP/streaming multimedia
- Easy setup wizard for step-by-step installation



DESIGNED FOR  
**ADSL**  
ADSL2/2+

## FEATURES

- ADSL2: up to 12Mbps down<sup>2</sup>
- ADSL2+: up to 24Mbps down<sup>2</sup>
- Plug & Play Fast Ethernet Switch Connectivity
- Quality of Service (QoS)
- Secure NAT/DHCP Functions
- Telstra Approved
- Supports all major ISP'S
- 3 Years Warranty

## DESCRIPTION

The DSL-504T ADSL Modem Router is a versatile, high-speed router for home and the small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed, firewall protection, Quality of Service (QoS) and 4 Ethernet switch ports, this router provides all the functions that a home or small office needs to establish a secure and high-speed link to the outside world.

## KEY BENEFITS

### SHARED INTERNET CONNECTION FOR WORKGROUPS

The DSL-504T provides DHCP server for a group of home or office users to simultaneously access the Internet. It integrates 4 10/100Mbps Ethernet switch ports for ready connection to 4 computers, saving you the cost and trouble of installing a separate Ethernet switch.

### FIREWALL PROTECTION

The DSL-504T provides firewall security using Stateful Packet Inspection (SPI) and hacker attack logging for Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Access control is provided with packet filtering based on port and source/destination MAC/IP addresses. With Virtual Server Mapping, the router can be set to allow separate FTP, Web, and multiple games to share the same Internet-visible IP address while still protecting your servers and workstations from hackers. You can configure any of the built-in LAN ports of the router to function as a DMZ port. VPN pass-through is provided to let mobile users access files and mail from offices to work at home without having to use complex VPN client software.

### QUALITY OF SERVICE (QoS)

The DSL-504T supports 4 priority queues to enable a group of home or office users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion. This QoS support allows you to enjoy high ADSL transmission speeds for applications such as VoIP, multimedia and on-line games over the Internet.

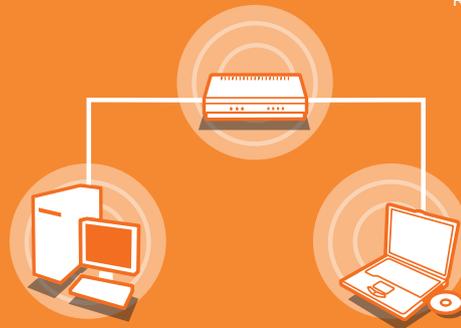
## WHAT IT DOES

This ADSL Modem Router connects to the Internet using an integrated high-speed ADSL2/2+ interface. Connecting to this router via an Ethernet port on your computer at home or in the office will allow you to share the high-speed Internet connection. The router provides firewall protection and QoS for secure and smooth on-line games, voice communication and download of photos, files, music and video over the Internet.

## GET A HIGH-SPEED INTERNET CONNECTION

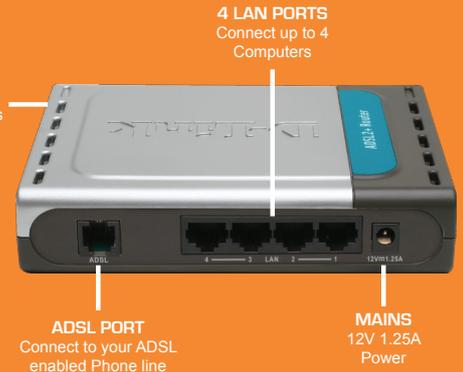
The DSL-504T features the latest ADSL2/2+ standards, providing speeds of up to 24Mbps downstream and 1Mbps upstream (ADSL2+), or 12Mbps downstream and 1Mbps upstream (ADSL2). This router auto-senses the connection type and auto-negotiates the best modulation scheme, using the G.hs (handshake) protocol.

## SET UP A NETWORK AND CONNECT TO THE INTERNET



Desktops can connect via 4 Fast Ethernet LAN ports

Connect the ethernet cable and follow the CD to connect to the Internet



## TECHNICAL SPECIFICATIONS

### HARDWARE

#### INTERFACES

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

### ADSL

#### STANDARDS

- + 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
- + ADSL2+ standards: ITU G.992.5 Annex A/L/M

#### 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

#### ATM & PPP PROTOCOLS

- + ATM Adaptation Layer Type 5 (AAL5)
- + Bridged or routed Ethernet encapsulation
- + VC and LLC based multiplexing
- + PPP over Ethernet (PPPoE)
- + PPP over ATM (RFC 2364)
- + Classical IP over ATM (RFC 1577)
- + OAM F4/F5

### ROUTER

#### NETWORK PROTOCOLS AND FEATURES

- + NAT, Static Routing, RIP v.1, v.2
- + Universal Plug and Play (UPnP) Compliant
- + Dynamic Domain Name System (DDNS)
- + Virtual Server & DMZ
- + SNTP, DNS relay and IGMP proxy

#### FIREWALL/ACCESS SECURITY

- + Built-in NAT firewall
- + Stateful Packet Inspection (SPI)
- + DoS attacks prevention (IP Spoofing, Land Attack, Smurf Attack, Ping of Death, TCP SYN flooding)
- + Packet filtering based on port, source IP address, destination IP address, MAC address (ICMP/TCP/UDP)

#### VIRTUAL PRIVATE NETWORK (VPN)

- + PPTP/IPSec pass-through

### CONFIGURATION/MANAGEMENT

- + D-Link Click and Connect Setup Wizard
- + Quick Installation Wizard
- + Web-based GUI for remote/local management
- + Firmware upgrade, configuration data upload/download via Web-based GUI
- + Telnet server for remote/local management
- + Syslog monitoring
- + SNMP v.1, v.2c support with built-in MIB-II (RFC 1213)
- + DHCP server/client/relay

#### QUALITY OF SERVICE (QoS) CONTROL

- + LAN to WAN traffic prioritization/bandwidth management
- + 802.1p traffic prioritization (4 queues)

#### SECURITY/BANDWIDTH MANAGEMENT

- + IGMP Snooping with 32 Multicast groups
- + PVC/VLAN port mapping (4 VLANs)
- + Bandwidth management based-on IP protocol, port number, MAC address

### PHYSICAL AND ENVIRONMENTAL

#### POWER INPUT

12VAC 1.25A external power adapter (with dying gasp)

#### DIMENSIONS

142 x 117 x 31 mm

#### WEIGHT

235.8 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/EN55024/EN300 328/EN301 489)

#### SAFETY

- + CSA
- + LVD

### WARRANTY

- + 3-Year Limited Warranty available only in Australia and New Zealand

<sup>1</sup> Computer must adhere to Microsoft's recommended System Requirements. The software included with this product is not Mac-compatible.

<sup>2</sup> This unit complies with ADSL standards worldwide. It supports a basic downstream rate of 8Mbps with ADSL and is capable of up to 12/24Mbps with ADSL2/2+ with an upstream of 1Mbps. ADSL speeds may vary depending on the individual contract with an Internet Service Provider and the distance of the unit from the ISP's DSLAM.

Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted on the packaging.

Prices and specifications subject to change without notice. D-Link is a registered trademark of D-Link Corporation/D-Link System, Inc. All other trademarks are the property of their respective manufacturers. ©Copyright 2008. All rights reserved.

\* Terms and conditions apply. Please check the D-Link website for details.



ACN 052 202 838  
2576

Release 03 (Sep. 2008)

**AUSTRALIA:**

1300 766 868 - <http://www.dlink.com.au/tech>

**NEW ZEALAND:**

0800 900 900 - <http://www.dlink.co.nz/tech>

# BROADBAND