



ADSL2+ MODEM WITH ETHERNET ROUTER

Supports ADSL2+ standard for Easy Setup - no technical experience required

Access a high-speed DSL connection¹ with firewalls and share your network

Connect up to 4 computers or other ethernet-enabled devices



2-IN-1 DEVICE

The D-Link ADSL2+ Modem with Ethernet Router (DSL-2540B) is a 2-in-1 device that combines the function of a DSL modem and 4-port 10/100 Ethernet router. The DSL-2540B supports the latest ADSL2+ standards to provide higher performance (up to 24Mbps¹ downstream and 3.5Mbps¹ upstream) and longer reach from your Internet Service Provider's (ISP) Digital Subscriber Line Access Multiplexer (DSLAM). You can also create a wired network to share your high-speed Internet connection, documents, photos, music, videos, printers, and Network Attached Storage (NAS)..

ACCESS HIGH-SPEED INTERNET

Unlike a dial-up Internet service, a DSL Internet connection is always on so that you do not have to wait to access the Web. Setting up the DSL-2540B is simple, it automatically detects your DSL settings to quickly establish a connection to the Internet. With support for TR-067, compatibility with your ISP's infrastructure is ensured. This device also supports TR-069, which automatically updates the firmware and other settings when they become available from your ISP.

ADVANCED NETWORKING

The DSL-2540B includes a built-in QoS engine that helps prioritize Internet traffic to enable smooth Internet phone calls (VoIP) and lag-free online gaming. In addition, this device includes Dual Active Firewalls (SPI and NAT) to help protect your network from potential attacks from across the Internet. With a built-in 4-port 10/100 Ethernet router, up to four network-ready computers or devices can simultaneously be connected to the DSL-2540B.

Whether it is for a home user who wants to share high-speed Internet access or for a small office that needs Internet access for conducting essential business activities, the DSL-2540B ADSL2+ Modem with Ethernet Router (DSL-2540B) is the ideal all-in-one broadband and wired networking solution

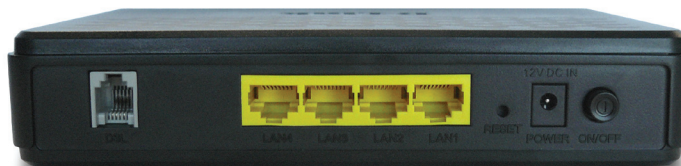
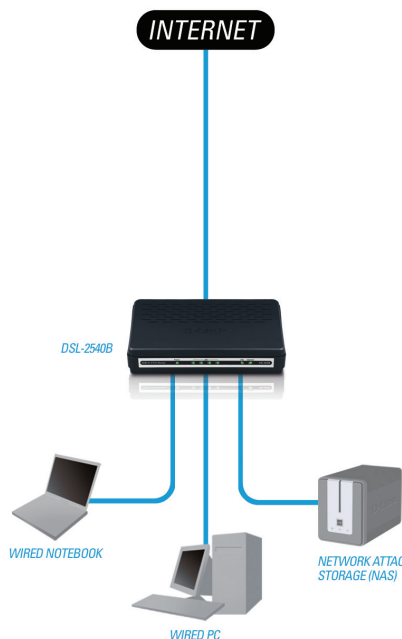
WHAT THIS PRODUCT DOES

The D-Link ADSL2+ Modem with 4-Port Ethernet Router (DSL-2540B) combines the function of a high-speed DSL modem and 4-port router. With automatic scanning and detection of your DSL settings, the DSL-2540B quickly sets up your Internet connection. Easily create a wired network and share a high-speed Internet connection while allowing access to shared files, music, photos, and printers with multiple computers.

GREATER COMPATIBILITY

The D-Link ADSL2+ Modem with 4-Port Ethernet Router (DSL-2540B) is TR-067 compliant, ensuring that it will work with your Internet Service Provider's (ISP) infrastructure. It is also TR-069 compliant, which automatically updates the firmware and other settings when they become available from your ISP.

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

DEVICE INTERFACES

- + RJ-11 ADSL port
- + 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX

ADSL STANDARDS:

- + ADSL : Multi-mode, 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

ADSL DATA RATES

- + G.dmt: 8Mbps downstream, 832Kbps upstream
- + G.lite: 1.5Mbps downstream, 512Kbps upstream
- + ADSL2: 12Mbps downstream, 1Mbps upstream
- + ADSL2+: 24Mbps downstream, 3.5Mbps upstream

ATM & PPP PROTOCOLS

- + ATM Adaption Layer type 5 (AAL5)
- + Bridged or routed Ethernet encapsulation
- + VC and LLC based multiplexing
- + MAC Encapsulated Routing
- + PPP over ATM (RFC 2364)
- + PPP over Ethernet (PPPoE)
- + PPP Link Control Protocol (LCP)
- + Internet Protocol Control Protocol (IPCP)
- + PPP Authentication Protocol (PAP)
- + PPP Challenge Handshake
- + Authentication Protocol (CHAP)
- + Microsoft PPP CHAP extensions

ROUTER FEATURES & NETWORK PROTOCOLS

- + Ethernet to ADSL Self-Learning Transparent Bridging
- + Internet Control Message Protocol (ICMP)
- + Network Address Translation (NAT), IP Static Routing, Routing Information Protocol (RIPv1, RIPv2)
- + Virtual Server, Port Forwarding
- + NAT ALGs: MSN/AOL/Yahoo Messenger, FTP, CUSEEEME, Real Audio, MIRC, SIP, ICQ, games, SNMP

- + Dynamic Host Configuration Protocol (DHCP); DHCP server, client, and relay
- + SNTP, DNS Relay, DDNS proxy and IGMP proxy (v1/v2/v3)

FIREWALL /ACCESS SECURITY

- + Built-in NAT firewall
- + MAC Filtering
- + Packet Filtering
- + Stateful Packet Inspection (SPI)
- + Denial of Service prevention (DoS)
- + User Authentication PAP
- + User Authentication CHAP
- + DMZ

CONFIGURATION/MANAGEMENT

- + Web-based GUI configuration
- + 3-level login control for local/remote management
- + Firmware upgraded, configuration data uploaded and downloaded via Webbased GUI
- + TFTP for firmware, configuration files and image files upgrade and download
- + TFTP server and client
- + Code Lock to prevent from improper firmware upgrade through UI, TFTP, and TR-069
- + Telnet/SSH access for configuration (optional)
- + Local access via console (optional)
- + ADSL/ADSL2/ADSL2+ manual selection and auto fallback
- + Auto VPI/VCI detection
- + Configuration backup and restore
- + Diagnostics
- + Log & Trace function
- + SNMP v.1 and v.2c with MIB-I and MIBII (optional)
- + TR-069 compliant with ACS (optional)

QUALITY OF SERVICE

- + Traffic Prioritization/Classification
- + Port-based priority
- + 802.1p/q (0-7) priority
- + DiffServ-Codepoint IPQoS (TOS)
- + Application port-based priority

- + 4 priority queues per PVC
- + Traffic Shaping
- + PVC/VLAN
- + IGMP v2 Snooping

POWER

- + Input: 100-240 VAC, 50/60 Hz
- + Output: 12v DC, 1A
- + Power switch
- + Factory reset button

OPERATING TEMPERATURE

- + 32°F to 104°F (0° C to 40° C)

STORAGE TEMPERATURE

- + -4°F to 149°F (-20° C to 65° C)

OPERATING HUMIDITY

- + -5% to 95% non-condensing

CERTIFICATIONS

- + FCC Part 15 Class B
- + CE
- + CSA
- + ROHS

WARRANTY

- + 1-Year Limited Warranty¹

¹ 1-Year Limited Warranty available only in the U.S.A. and Canada

² Latest software and documentation are available at <http://support.dlink.com>

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, actual product appearance may differ than that depicted on the packaging. See inside package for warranty details.

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MINIMUM SYSTEM REQUIREMENTS

- + Subscription with DSL Internet Service Provider
- + Computer to Access Internet

PACKAGE CONTENTS

- + ADSL2/2+ 4-Port Router/Modem
- + CAT5 Ethernet Cable (RJ-45)
- + CAT5 Ethernet Cable
- + USB Cable
- + Power Adapter
- + CD-ROM² with:
 - Installation Wizard
 - Product Documentation
 - Special Offers