

## Product Highlights

### High-speed Internet

Latest ADSL2+ standard provides Internet transmission of up to 24 Mbps downstream, and up to 2 Mbps upstream

### Secure & Easy Configuration

Versatile and simple local and remote configuration support provides an easy way to setup your connection whether at home or out and about

### Total Compatibility

Works with all major Internet service providers, allowing you to connect right away, or switch providers without having to replace your modem



## DSL-321B

# ADSL2+ Modem

## Features

### Connectivity

- RJ-11 ADSL port
- RJ-45 10/100 BASE-TX Ethernet LAN port with auto MDI/MDIX
- Up to 24 Mbps downstream and 2 Mbps upstream speeds

### Configuration and Management

- Web-based GUI
- Local or remote access
- TFTP server/client
- Telnet/SSH access for configuration (optional)
- Backup and restore

### Traffic Shaping

- PVC/VLAN port mapping (bridge mode)
- IGMP snooping 32 multicast groups

### Convenience

- Compact and lightweight chassis
- Stylish design

The DSL-321B ADSL2+ Modem is an affordable high-performance ADSL device for connecting to the Internet. It provides speeds of up to 24 Mbps and is ideal for playing online games, streaming multimedia, and making phone calls over the Internet, as well as downloading large files, photos, music, and videos.

## High-speed ADSL Performance

The DSL-321B ADSL2+ Modem connects your computer to the Internet using high-speed ADSL2/2+ standards with speeds of up to 24 Mbps downstream and 2 Mbps upstream. Watch TV on the Internet, stream live music, or experience clear Internet phone calls. Graphic-intensive web pages will load in a snap, and you won't have to wait too long for downloading or uploading large files.

## Reliable Connectivity

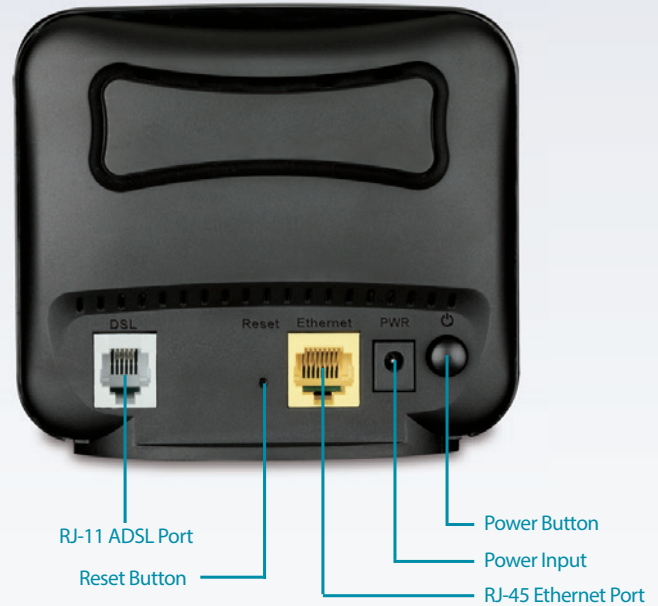
The DSL-321B ADSL2+ Modem provides an "always on" connection that eliminates dial-up waiting times and busy lines. Internet services such as email and web browsing are always available, and the modem uses your existing phone lines without interfering with your landline phone; you can both use the Internet and make a phone call at the same time. You'll have a high-speed Internet connection available any time you need it.

## Simple and Compatible

The DSL-321B ADSL2+ Modem is compatible with all major Internet service providers, allowing you to connect to the Internet and start browsing the web, streaming videos or playing online games right away, without worries. The modem also supports both local and remote easy-to-use configuration, facilitating the initial setup and allowing you control over your connection while on the go.

## Compact and Stylish Design

In order to stay out of your way and avoid clutter in your home, the DSL-321B ADSL2+ Modem is small, lightweight, and blends nicely into its surroundings. The ports are conveniently located at the back, so the cables can be neatly tucked away out of sight.



## Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• RJ-11 ADSL port</li> <li>• Factory reset button</li> </ul>	<ul style="list-style-type: none"> <li>• RJ-45 10/100 BASE-TX Ethernet LAN port with auto MDI/MDIX</li> </ul>
ADSL Standards	<ul style="list-style-type: none"> <li>• Full-rate ANSI T1.413 Issue 2</li> <li>• ITU-T G.992.2 (G.lite) Annex B</li> </ul>	<ul style="list-style-type: none"> <li>• ITU-T G.992.1 (G.dmt) Annex B</li> <li>• ITU-T G.994.1 (G.hs)</li> </ul>
ADSL2 Standards	<ul style="list-style-type: none"> <li>• ITU-T G.992.3 (G.dmt.bis) Annex B/J</li> <li>• Annex M compatible: up to 2 Mbps upstream</li> </ul>	<ul style="list-style-type: none"> <li>• ITU-T G.992.4 (G.lite.bis) Annex B/J</li> </ul>
ADSL2+ Standards	<ul style="list-style-type: none"> <li>• ITU-T G.992.5 Annex B/L/M</li> </ul>	
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• DSL Link/Activity</li> </ul>	<ul style="list-style-type: none"> <li>• Status</li> <li>• Ethernet Link/Activity</li> </ul>

### Functionality

ATM/PPP Protocols	<ul style="list-style-type: none"> <li>• Multiple protocol encapsulation over AAL5</li> <li>• Logical Link Control (LLC) encapsulation</li> <li>• RFC 1483, RFC 2684</li> <li>• Multiple services, PPPoE, bridge, MER over single PVC (optional)</li> <li>• ITU-T I.610 OAM Principles &amp; Functions include F4/F5 loopback</li> <li>• PPP over Ethernet RFC 2516</li> <li>• Internet Protocol Control Protocol (IPCP) RFC 1332</li> <li>• PPP Challenge Handshake Authentication Protocol (CHAP) RFC 1994</li> </ul>	<ul style="list-style-type: none"> <li>• Bridged Ethernet encapsulation</li> <li>• VC-based multiplexing</li> <li>• ATM Forum UNI3.1/4.0 PVC up to 8 PVCs</li> <li>• ATM Cell Format ITU-T Rec. I.361</li> <li>• ATM Adaptation Layer Type 5 (AAL5)</li> <li>• ATM QoS (Traffic Shaping) UBR, CBR, rt-VBR, nrt-VBR</li> <li>• PPP over ATM RFC 2364</li> <li>• PPP Link Control Protocol (LCP) RFC 1661</li> <li>• PPP Authentication Protocol (PAP) RFC 1334</li> <li>• Microsoft PPP CHAP extensions RFC 2433</li> </ul>
Network Protocols	<ul style="list-style-type: none"> <li>• Ethernet to ADSL Self-Learning Transparent Bridging</li> </ul>	<ul style="list-style-type: none"> <li>• Simple Network Time Protocol (SNTP)</li> </ul>
Traffic Shaping	<ul style="list-style-type: none"> <li>• PVC/VLAN port mapping (bridge mode)</li> </ul>	<ul style="list-style-type: none"> <li>• IGMP snooping 32 multicast groups</li> </ul>
Configuration/Management	<ul style="list-style-type: none"> <li>• Web-based GUI</li> <li>• TFTP server/client</li> <li>• Telnet/SSH access for configuration (optional)</li> <li>• Local access via console (optional)</li> <li>• ADSL/ADSL2/ADSL2+ manual selection and auto fallback</li> <li>• Log &amp; Trace function</li> <li>• RFC 1213, RFC 2662</li> </ul>	<ul style="list-style-type: none"> <li>• Web-based/TFTP firmware/configuration upgrade</li> <li>• Code Lock to prevent improper firmware upgrade through UI, TFTP, TR-069</li> <li>• UPnP IGD 1.0 (optional)</li> <li>• Configuration backup and restore</li> <li>• Diagnostics</li> <li>• SNMP v.1 and v.2c w/ MIB-I and MIB-II (optional)</li> <li>• TR-069 compliant w/ ACS (optional)</li> </ul>

Physical	
Dimensions	• 109.6 x 98 x 37 mm (4.31 x 3.86 x 1.46 inches)
Power Supply	• 12 V DC/0.5 A power adapter • Dying Gasp (optional)
Temperature	• Operating: 0 to 40 °C (32 to 104 °F) • Storage: -20 to 70 °C (-4 to 158 °F)
Humidity	• Operating: 0% to 90% non-condensing • Storage: 5% to 95% non-condensing
EMC Certification	• CE
Telecom Certification	• CE TBR-21
Safety Certification	• CE • RoHS Compliant



For more information: [www.dlink.com](http://www.dlink.com)

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