Wireless N ADSL2+ Modem Router

Product Highlights

- **ADSL2+ Technology**
  Connects directly to your telephone line at the fastest speeds, no modem required

- **Fast wireless networking**
  Runs at speeds of up to 300 Mbps

- **Total compatibility**
  Works with any Wi-Fi certified device, giving you reliable performance

- **SharePort™ Technology**
  Allows you to share files from a USB storage device or USB printer with other users on your home network

- **Total security**
  Complete set of security features including an SPI firewall and WPA2 to protect your network against intruders

- **Easy configuration**
  Easy Setup Wizard and Wi-Fi Protected Setup™ (WPS) for easy configuration and addition of new devices

**D-Link's Wireless N ADSL2+ Modem Router (DSL-2750B)** is the ideal Internet gateway for users that get their Internet connection through their home telephone line. This router connects directly to your telephone line without the need of an ADSL modem, and provides you with the fastest download streams. With Wireless N speeds of up to 300 Mbps and SharePort™ Technology, which allows you to share your files from a USB device or to share a USB printer, this router is perfect for users who want the most out of their home network.

Features

Interfaces:
- 1 x RJ-11 ADSL port
- 4 x Fast Ethernet LAN ports
- 1 x USB 2.0 port

ADSL:
- ADSL/ADSL2/ADSL2+ standards
- Up to 24 Mbps download speeds

Wireless:
- IEEE 802.11n/g/b
- 300 Mbps wireless speeds
- 2.4 GHz frequency
- Power-saving WLAN Scheduler

SharePort™:
- USB storage device sharing
- USB printer sharing
- Compatible with Windows/Mac

Security:
- Built-in dual firewall (SPI/NAT)
- WEP/WPA/WPA2 encryption
- WPS encryption button
- Parental Control

High-speed wireless networking

Create a high-speed wireless network for your home using this ADSL2+ Router. Connect your device to a broadband modem and wirelessly share your high-speed Internet connection at speeds of up to 300 Mbps. Enjoy surfing the web, checking email, and chatting with family and friends online. This router uses Wireless N Technology, which offers increased speed and range over earlier standards. It uses Intelligent Antenna technology to transmit multiple streams of data by bouncing multiple wireless signals off walls enabling you to receive wireless signals from the farthest corners of your home. The Wireless N ADSL2+ Modem Router also includes four fast ethernet ports which give you the flexibility to connect wired devices like Network Attached Storage (NAS) enclosures to your home network.
Share and stream files with Shareport™ Technology

Connect a USB storage device to the Wireless N ADSL2+ Modem Router to create a shared storage space, making it easy to share music, movies and documents between computers and devices connected on your home network. Plug in a USB hard drive and access your library of videos and music from your laptop. You can even customise your shared storage space by creating separate accounts to control access to the USB drive, so you can share your music with everyone but keep your personal files private.

Smart traffic/bandwidth prioritisation

With some routers, all wired and wireless traffic, including Internet calls such as Skype™, video streaming, online gaming, and web browsing are mixed together into a single data stream. By handling data this way, applications such as streaming video may stutter or have an unstable connection. With the D-Link Smart Quality of Service technology, wired and wireless traffic is analysed and separated into multiple data streams. Different applications like voice, video, and data will be automatically detected and prioritised so that you can stream without buffering and game without lag.
**IPv6 ready**

This router is ready for the future of the Internet with support for the upcoming move from IPv4 to IPv6. It carries the IPv6 Ready Gold Logo, meaning that it not only supports the IPv6 protocol, but is also compatible with IPv6 equipment from other manufacturers. Using a dual-stack architecture, this router can handle routing for both IPv4 and IPv6 networks at the same time, so you can be assured that your router is forward and backward compatible.

**D-Link Green™**

This router is part of D-Link Green™, D-Link’s programme for providing eco-friendly alternatives without compromising performance. This Modem Router supports WLAN Scheduler, the WLAN Scheduler function turns off your wireless network when it is not needed, for example at night or during weekends. Also power consumption is further reduced with its Energy Star™ power supply.

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**Network diagram**

- **DSL-2750B** Wireless N ADSL2+ Modem Router
- **The Boxee Box by D-Link**
- **2.4 GHz**
- **Smartphone**
- **Laptop**
- **Storage**
## Functions & Features

| **Device Interfaces** | **Wireless** | **ADSL standards** | **ADSL data rates** | **ATM & PPP protocols** | **Network protocols** | **Firewall/Access Security** | **Virtual Private Network (VPN)** | **Device Configuration/Management** | **Quality of Service (QoS)** | **USB Applications** | **Power Input / Humidity** | **Diagnostic LEDs** | **Dimensions (L x W x H) / Weight** | **Temperature** | **Certifications** |
|-----------------------|--------------|--------------------|--------------------|-------------------------|-----------------------|---------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------------|-----------------|-------------------|
| 4x 10/100BASE-TX MDI/MDIX ports | Up to 300 Mbps (802.11n) | 802.11 standards: ITU G.992.3 (G.dmt.bis) Annex A/L/M, ITU G.992.4 (G.lite.bis) Annex A | ADSL2: 12 Mbps downstream, 1 Mbps upstream | Bridged or routed Ethernet encapsulation | NAT (maximum 4096 NAT sessions) | Stateful Packet Inspection (SPI) | Code lock to prevent improper firmware upgrade | Web-based GUI for configuration, firmware upgrade | Traffic Shaping | Printer server |
| 1x USB 2.0 port       | Frequency range: 2.4 GHz to 2.484 GHz | ADLS2 standards: ITU G.992.5 Annex A/L/M | ADSL2: 12 Mbps downstream, 1 Mbps upstream | VC and LLC based multiplexing | DHCP server/client/relay | DoS attack prevention | Installation Wizard | LAN (1 to 4) | Telnet | 12 V / 1 A, external | Power |
| 64/128-bit WEP data encryption | 2x Non-detachable MIMO antennas | PPP over Ethernet (PPPoE) | Intrusion Detection System (IDS) | WPA/WPA 2 (personal/enterprise) security | IPv6 support | Packet filtering (IP/ICMP/TCP/UDP) | Code lock to prevent improper firmware upgrade | UPnP-compliant | Internet | 5% to 95% non-condensing |
| 802.11n WLAN         | 802.1x RADIUS | PPP over ATM (RFC 2364) | Dynamic Domain Name System (DDNS) | WPS (Wi-Fi Protected Setup) | Dynamic Host Configuration Protocol (DHCP) | DoS attack prevention | Installation Wizard | Telnet | Internet | Mentor Control (URL blocking, scheduling) |
|                      | WPS | ITU-T I.610 OAM F4/F5 | Virtual Server | MAC address-based access control | UPnP-compliant | Packet filtering (IP/ICMP/TCP/UDP) | Installation Wizard | Web-based GUI for configuration, firmware upgrade | Syslog monitoring | WPS | |
|                      | MAC address-based access control | WHQL | | | | | | | | |
|                      | | Wi-Fi Certified | | | | | | | | |
|                      | | WPS | | | | | | | | |
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