# D-Link®
### Building Networks for People

## 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

## DSL-2751
# Wireless N300 ADSL2+ Modem Router

## Features

**Interfaces:**

•  1x RJ-11 ADSL port
•  4x Fast Ethernet LAN ports
•  1x USB2.0 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

D-Link's Wireless N300 ADSL2+ Modem Router (DSL-2751) 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.

## High-speed wireless networking

Create a high-speed wireless network for your home using this ADSL2+ Router. Enjoy surfing the web, checking e-mail, 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 N300 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 N300 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. You can also connect a USB multifunctional printer to share printing and scanning functions, allowing a single printer to shared between a office or household

## 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.

## Firewall protection

This router's security features prevent unauthorized access to your private network from wireless devices or from the Internet. These features include firewall security, such as Stateful Packet Inspection (SPI) and hacker attack logging. SPI inspects the content of incoming packets before they are allowed in, while hacker logging helps to protect your network against Denial of Service (DoS) attacks. Together, these features keep your network safe and secure, allowing you to send e-mails and shop online with confidence.
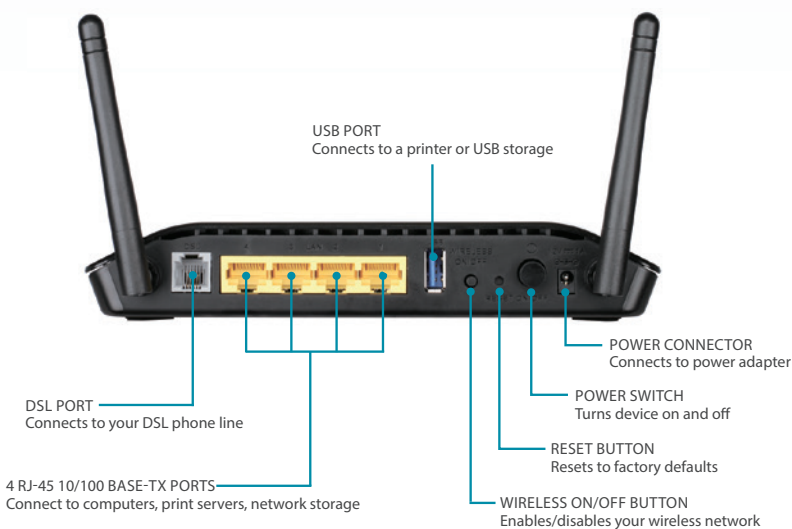
## IPv6 ready

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 Logo Program approved, 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.

### Rear View

USB PORT
Connects to a printer or USB storage

POWER CONNECTOR
Connects to power adapter

POWER SWITCH
Turns device on and off

RESET BUTTON
Resets to factory defaults

WIRELESS ON/OFF BUTTON
Enables/disables your wireless network

DSL PORT
Connects to your DSL phone line

4 RJ-45 10/100 BASE-TX PORTS
Connect to computers, print servers, network storage

### Side View

WPS BUTTON
One click secure wireless connection

## Functions & Features

| | | |
|---|---|---|
| Device Interfaces | • 1x RJ-11 ADSL port<br>• 4x 10/100BASE-TX MDI/MDIX ports | • 802.11n WLAN<br>• 1x USB 2.0 port |
| Wireless | • 802.11g/b/n standards<br>• Up to 300 Mbps (802.11n)<br>• Frequency range: 2.4 GHz to 2.484 GHz<br>• 2x Non-detachable MIMO antennas<br>• 64/128-bit WEP data encryption | • WPA /WPA 2 (personal/enterprise) security<br>• 802.1x RADIUS<br>• WPS (Wi-Fi Protected Setup)<br>• MAC address-based access control |
| ADSL standards | • ADSL standards: Multi-mode, ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex B, ITU G.992.2 (G.lite) Annex B, ITU G.994.1 (G.hs) | • ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex B/J, ITU G.992.4 (G.lite.bis) Annex B<br>• ADSL2+ standards: ITU G.992.5 Annex B/L |
| ADSL data rates | • G.dmt: 8 Mbps downstream, 832 Kbps upstream<br>• G.lite: 1.5 Mbps downstream, 512 Kbps upstream | • ADSL2: 12 Mbps downstream, 1 Mbps upstream<br>• ADSL2+: 24 Mbps downstream, 1 Mbps upstream |
| ATM & PPP protocols | • ATM Adaptation Layer Type 5 (AAL5)<br>• Bridged or routed Ethernet encapsulation<br>• VC and LLC based multiplexing | • PPP over Ethernet (PPPoE)<br>• PPP over ATM (RFC 2364)<br>• ITU-T I.610 OAM F4/F5 |
| Network protocols | • WAN/LAN Switchable Port<br>• NAT (maximum 4096 NAT sessions)<br>• DHCP server/client/relay | • Universal Plug and Play (UPnP) Compliant<br>• Dynamic Domain Name System (DDNS)<br>• Virtual Server |
| Firewall/Access Security | • Built-in NAT firewall<br>• Stateful Packet Inspection (SPI)<br>• DoS attack prevention<br>• Packet filtering (IP/ICMP/TCP/UDP) | • Intrusion Detection System (IDS)<br>• DMZ<br>• Parental Control (URL blocking, scheduling) |
| Virtual Private Network (VPN) | • Multiple PPTP/IPSec/L2TP pass-through | |
| Device Configuration/Management | • Installation Wizard<br>• Web-based GUI for configuration, firmware upgrade | • Code lock to prevent improper firmware upgrade<br>• Telnet<br>• Syslog monitoring |
| Quality of Service (QoS) | • LAN to WAN traffic prioritisation/classification | • Traffic Shaping |
| USB Applications | • Samba server | • Printer server |
| Power Input / Humidity | • 12 V / 1 A, external | • 5% to 95% non-condensing |
| Diagnostic LEDs | • Power<br>• LAN (1 to 4)<br>• WLAN<br>• DSL | • Internet<br>• WPS<br>• USB |
| Dimensions (L x W x H) / Weight | • 182.8 x 127.8 x 32mm | • 236 grams |
| Temperature | • Operating: 0 to 40˚C | • Storage: -20 to 70˚C |
| Certifications | • C-Tick<br>• CE<br>• FCC<br>• IC | • WHQL<br>• Wi-Fi Certified<br>• WPS |

**For more information:** www.dlink.com

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