D-Link®
Building Networks for People

Product Highlights

USB PORT

Support of USB modem for Internet connection via 3G/2G network, USB storage, and printer

HIGH-SPEED CONNECTION

ADSL2+/ADSL2/ADSL, Fast Ethernet

802.11N

Faster rate and superior wireless range

DSL-2750U

Wireless ADSL2+ Router with 3G/Ethernet WAN Support and USB Port

USB Port

The router is equipped with a USB port for connecting a USB modem, which can be used to establish connection to the Internet. In addition, to the USB port of the router you can connect a USB storage device, which will be used as a network drive, or a printer.

ADSL Port and 4-port Switch, Ethernet WAN Support

The router is equipped with an ADSL port to connect to an ADSL line. The built-in 4-port switch enables you to connect Ethernet-enabled computers, game consoles, and other devices to your network. In addition, any Ethernet port of the device can be used to connect to a private Ethernet line.

Wireless Interface

You are able to quickly create a wireless network at home or in your office, which lets your relatives or employees connect to your wireless network virtually anywhere (within the operational range of your wireless network). The router can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n.

The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, and the WPS function.

In addition, the device is equipped with a button for switching the Wi-Fi network off/on. If needed, for example, when you leave home, you can easily switch the router's WLAN by pressing the button, and devices connected to the LAN ports of the router will stay online.

Security

The wireless router DSL-2750U includes a built-in firewall. The advanced security functions minimize threats of hacker attacks, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN.

Configuration and Management

You can configure and manage the settings of the router DSL-2750U via the user-friendly web-based interface (the interface is available in several languages).

Hardware	
Interfaces	· RJ-11 ADSL port · 4 10/100BASE-TX LAN ports · USB 2.0 port
LEDs	· POWER · DSL · INTERNET · WLAN · LAN 1-4 · WPS · USB
Buttons	· ON/OFF button to power on/power off · RESET button to restore factory default settings · WPS/WLAN button to set up secure wireless connection and enable/disable wireless network
Antenna	· Two internal omnidirectional antennas (2dBi gain)
MIMO	· 2 x 2
Power connector	· Power input connector (DC)

DSL Parameters	
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
ATM/PPP Protocols	· Bridged and routed Ethernet encapsulation · VC-based or LLC-based multiplexing · ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs) · ATM Adaptation Layer Type 5 (AAL5) · ITU-T I.610 OAM F4/F5 loopback · ATM QoS · PPP over ATM (RFC 2364) · PPP over Ethernet (PPPoE) · Keep-alive for PPP connections

Software	
WAN connection types	· 3G · PPPoA · PPPoE · IPoA · Static IP / Dynamic IP · Bridge
Network functions	· Additional IP address for LAN interface · DHCP server/relay · DNS relay · Dynamic DNS · Static IP routing · IGMP Proxy · IGMP snooping · RIP · Support of UPnP IGD · Support of VLAN · Channel reservation

Software	
Firewall functions	· Network Address Translation (NAT) · Stateful Packet Inspection (SPI) · IP filters · MAC filter · MAC filtering based on time of day and day of week · URL filter · DMZ · Prevention of DoS attacks · Intrusion detection system · Virtual servers · Port Triggering
VPN	· PPPoE pass-through
QoS	· Interface grouping · VLAN priority (802.1p)
USB interface functions	· USB modem[1] Auto connection to available type of supported network (3G/2G) Enabling/disabling PIN code check, changing PIN code · USB storage File browser Print server Access to storage via accounts Built-in Samba server
Management	· Local and remote access to settings through TELNET/WEB (HTTP) · Multilingual web-based interface for configuration and management · Firmware update via web-based interface · Saving/restoring configuration to/from file · Support of remote logging · SNMP agent · Automatic synchronization of system time with NTP server and manual time/date setup · Ping function · TR-069 client

Wireless Module Parameters	
Standards	· IEEE 802.11b/g/n
Frequency range	· 2400 ~ 2483.5MHz
Wireless connection security	· WEP · WPA/WPA2 (Personal) · MAC filter · WPS (PBC/PIN)
Advanced functions	· Support of guest wireless network · Advanced settings
Wireless connection rate	· IEEE 802.11b: 1, 2, 5.5, and 11Mbps · IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps · IEEE 802.11n: from 6.5 to 300Mbps (from MCS0 to MCS15)
Transmitter output power *The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country*	· 802.11b 16.5 ~ 18.5dBm · 802.11g 13.5 ~ 16.5dBm · 802.11n 13.5 ~ 16.5dBm
Modulation schemes	· 802.11b: CCK (11, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps), DSSS · 802.11g: PSK/CCK, DBPSK, DQPSK, OFDM, BPSK, QPSK, 16QAM, 64QAM · 802.11n: PSK/CCK, DBPSK, DQPSK, OFDM, etc.

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1   For GSM USB modems only.

Physical Parameters	
Dimensions	· 160 x 120 x 59 mm (6.3 x 4.7 x 2.3 in)
Weight	· 240 g (0.53 lb)

Operating Environment	
Power	· Output: 12V DC, 1A
Temperature	· Operating: from 0 to 40 °C · Storage: from -20 to 70 °C
Humidity	· From 5% to 95% (non-condensing)

Delivery Package

- · Router DSL-2750U
- · Power adapter DC 12V/1A
- · RJ-11 telephone cable
- · Ethernet cable (CAT 5E)
- · Splitter
- · "Quick Installation Guide" (brochure)

Supported USB modems[2]	
GSM	· Huawei E171 · ZTE MF192 · ZTE MF626 · ZTE MF652
CDMA	· Airplus MCD-650 · Airplus MCD-800 · ZTE AC5730

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2   The manufacturer does not guarantee proper operation of the router with every modification of the firmware of USB modems.