



## VDSL/Ethernet Router with Wi-Fi and Built-in Switch

### HIGH-SPEED CONNECTION

VDSL2/VDSL/ADSL2+/  
ADSL2/ADSL,  
Fast Ethernet

### 802.11N

Faster rate and superior  
wireless range

### SECURITY

Multiple firewall functions

### VDSL Port and 4-port Switch

The router is equipped with a VDSL port to connect to a high-speed VDSL 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.

### Security

The wireless router DSL-6740U 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.

### 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.

### Configuration and Management

You can configure and manage the settings of the router DSL-6740U via the user-friendly web-based interface (the interface is available in several languages).

#### Hardware

##### Interfaces

- VDSL: 1 RJ-11 port
- LAN: 4 RJ-45 10/100BASE-TX Fast Ethernet ports
- WLAN: built-in 802.11b, g, and n wireless interface

##### Frequency Range

- 802.11b
  - 2400 ~ 2484MHz ISM band
- 802.11g
  - 2400 ~ 2484MHz ISM band
- 802.11n
  - ISM band
  - Channel frequency for HT40: 2422 ~ 2452MHz
  - Channel frequency for HT20: 2400 ~ 2483.5MHz

##### Wireless Data Rate

- 802.11b: 11, 5.5, 2, 1Mbps per channel, auto fallback
- 802.11g: 54, 48, 36, 24, 18, 12, 9, 6Mbps per channel, auto fallback
- 802.11n
  - HT20: up to 150Mbps
  - HT40: up to 300Mbps

##### Modulation Schemes

- 802.11b: CCK, DQPSK, DBPSK
- 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS
- 802.11n
  - HT20 and HT40: 64 QAM, 16QAM, QPSK, BPSK

##### Wireless Network Range\*

- Indoors: up to 300 feet (100 meters)
- Outdoors: up to 900 feet (300 meters)

##### VDSL/ADSL Standards

- VDSL2
  - ITU G.993.2
  - Support of 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a profiles
- 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

#### Software

##### WAN Connection Types

- VDSL
  - PPPoE
  - Static IP
  - Dynamic IP
  - Bridge
- ADSL
  - PPPoE
  - PPPoA
  - IPoA
  - Static IP
  - Dynamic IP
  - Bridge
- Ethernet
  - PPPoE
  - Static IP
  - Dynamic IP
  - Bridge

##### Wireless Network

- IEEE 802.11n standard, IEEE 802.11b/g compliant
- Support of guest wireless network
- WEP data encryption
- WPA/WPA2 security supporting TKIP, AES and TKIP+AES
- MAC-based access to wireless network
- PIN and PBC methods of WPS
- Advanced settings

##### 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

\* Wireless network range varies depending on the actual environment.

# DSL-6740U

## Specifications

### VDSL/Ethernet Router with Wi-Fi and Built-in Switch

#### Network Protocols and Functions

- Additional IP address for LAN interface
- Static IP routing
- NAT (*Network Address Translation*)
- DHCP server/client/relay
- DNS relay
- DDNS
- UPnP
- Support of VLAN
- IGMP proxy
- IGMP snooping
- TR-069 client

#### Firewall and Access Management Functions

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- MAC filtering based on time of day and day of week
- URL filter
- Packet filtering (IP/ICMP/TCP/UDP)
- Virtual servers
- Prevention of DoS attacks
- Intrusion detection system
- DMZ
- Port Triggering

#### QoS

- Interface grouping
- VLAN priority (802.1p)

#### Configuration and Management

- Multilingual web-based interface for configuration and management
- Access via TELNET
- Firmware update via web-based interface
- Saving/restoring configuration to/from file
- Support of remote logging
- Automatic synchronization of system time with NTP server and manual time/date setup

#### Physical and Environmental

##### LEDs

- Power
- DSL
- Internet
- LAN 1-4
- WLAN
- WPS

##### Power

- External power adapter DC 12V/1A
- ON/OFF power switch
- Enable/disable wireless connection button
- Reset to Factory Defaults button
- WPS button

##### Operating Temperature

- From 0 to 40 °C (from 32 to 104 °F)

##### Storage Temperature

- From -20 to 70 °C (from -4 to 158 °F)

##### Humidity

- From 5% to 95% non-condensing

#### Ordering Information

### DSL-6740U

VDSL/Ethernet Router with Wi-Fi and Built-in Switch



---

Web:

<http://www.dlink.com/corporate/worldwideoffices/>