

## Product Highlights

### HIGH-SPEED CONNECTION

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

802.11N

Faster rate and superior  
wireless range

### SECURITY

Multiple firewall functions,  
several security standards  
for wireless connection



## DSL-6740U

### Wireless VDSL2 Router with ADSL2+/Ethernet WAN Support

#### DSL Port and 4-port Switch, Ethernet WAN Support

The router is equipped with a DSL port to connect to a 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.

#### 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-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.

#### 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	
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>· RJ-11 DSL port</li> <li>· 4 10/100BASE-TX LAN ports</li> </ul>
<b>LEDs</b>	<ul style="list-style-type: none"> <li>· POWER</li> <li>· DSL</li> <li>· INTERNET</li> <li>· 4 LAN LEDs</li> <li>· WLAN</li> <li>· WPS</li> </ul>
<b>Buttons</b>	<ul style="list-style-type: none"> <li>· ON/OFF button to power on/power off</li> <li>· RESET button to restore factory default settings</li> <li>· WPS/ button to set up secure wireless connection</li> <li>· WLAN button to enable/disable wireless network</li> </ul>
<b>Antenna</b>	<ul style="list-style-type: none"> <li>· Two internal omnidirectional antennas (1.8dBi gain)</li> </ul>
<b>MIMO</b>	<ul style="list-style-type: none"> <li>· 2 x 2</li> </ul>
<b>Power connector</b>	<ul style="list-style-type: none"> <li>· Power input connector (DC)</li> </ul>

DSL Parameters	
<b>VDSL/ADSL Standards</b>	<ul style="list-style-type: none"> <li>· VDSL2: ITU G.993.2, support of 8a, 8b, 8c, 8d, 12a, 12b, 17a profiles</li> <li>· 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)</li> <li>· ADSL2: ITU-T G.992.3 (G.dmt.bis) Annex A/L/M, ITU-T G.992.4 (G.lite.bis) Annex A</li> <li>· ADSL2+: ITU-T G.992.5 Annex A/L/M</li> </ul>
<b>ATM/PPP Protocols</b>	<ul style="list-style-type: none"> <li>· Bridged and routed Ethernet encapsulation</li> <li>· VC-based or LLC-based multiplexing</li> <li>· ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs)</li> <li>· ATM Adaptation Layer Type 5 (AAL5)</li> <li>· ITU-T I.610 OAM F4/F5 loopback</li> <li>· ATM QoS</li> <li>· PPP over ATM (RFC 2364)</li> <li>· PPP over Ethernet (PPPoE)</li> <li>· Keep-alive for PPP connections</li> </ul>

Software	
<b>WAN connection types</b>	<ul style="list-style-type: none"> <li>· PPPoA</li> <li>· PPPoE</li> <li>· IPoA</li> <li>· Static IP / Dynamic IP</li> <li>· Bridge</li> </ul>
<b>Network functions</b>	<ul style="list-style-type: none"> <li>· Additional IP address for LAN interface</li> <li>· DHCP server/relay</li> <li>· DNS relay</li> <li>· Dynamic DNS</li> <li>· Static IP routing</li> <li>· IGMP Proxy</li> <li>· IGMP snooping</li> <li>· RIP</li> <li>· Support of UPnP IGD</li> <li>· Support of VLAN</li> </ul>
<b>Firewall functions</b>	<ul style="list-style-type: none"> <li>· Network Address Translation (NAT)</li> <li>· Stateful Packet Inspection (SPI)</li> <li>· IP filter</li> <li>· MAC filter<sup>1</sup></li> <li>· MAC filtering based on time of day and day of week</li> <li>· URL filter</li> <li>· DMZ</li> <li>· Prevention of DoS attacks</li> <li>· Intrusion detection system</li> <li>· Virtual servers</li> <li>· Port Triggering</li> </ul>

<sup>1</sup> Only for connections of the Bridge type.

Software	
<b>QoS</b>	<ul style="list-style-type: none"> <li>Interface grouping</li> <li>VLAN priority (802.1p)</li> </ul>
<b>Management</b>	<ul style="list-style-type: none"> <li>Local and remote access to settings through TELNET/WEB (HTTP)</li> <li>Multilingual web-based interface for configuration and management</li> <li>Firmware update via web-based interface</li> <li>Saving/restoring configuration to/from file</li> <li>Support of remote logging</li> <li>Automatic synchronization of system time with NTP server and manual time/date setup</li> <li>Ping function</li> <li>TR-069 client</li> </ul>

Wireless Module Parameters	
<b>Standards</b>	<ul style="list-style-type: none"> <li>IEEE 802.11b/g/n</li> </ul>
<b>Frequency range</b>	<ul style="list-style-type: none"> <li>2400 ~ 2483.5MHz</li> </ul>
<b>Wireless connection security</b>	<ul style="list-style-type: none"> <li>WEP</li> <li>WPA/WPA2 (Personal)</li> <li>MAC filter</li> <li>WPS (PBC/PIN)</li> </ul>
<b>Advanced functions</b>	<ul style="list-style-type: none"> <li>Support of guest wireless network</li> <li>Advanced settings</li> </ul>
<b>Wireless connection rate</b>	<ul style="list-style-type: none"> <li>IEEE 802.11b: 1, 2, 5.5, and 11Mbps</li> <li>IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps</li> <li>IEEE 802.11n: from 6.5 to 300Mbps (from MCS0 to MCS15)</li> </ul>
<b>Modulation schemes</b>	<ul style="list-style-type: none"> <li>802.11b: CCK, DQPSK, DBPSK</li> <li>802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS</li> <li>802.11n: 64 QAM, 16QAM, QPSK, BPSK</li> </ul>

Operating Environment	
<b>Power</b>	<ul style="list-style-type: none"> <li>Output: 12V DC, 1A</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating: from 0 to 40 °C</li> <li>Storage: from -20 to 70 °C</li> </ul>
<b>Humidity</b>	<ul style="list-style-type: none"> <li>From 5% to 95% (non-condensing)</li> </ul>

Delivery Package	
<ul style="list-style-type: none"> <li>Router DSL-6740U</li> <li>Power adapter DC 12V/1A</li> <li>RJ-11 telephone cable</li> <li>Ethernet cable</li> <li>Splitter</li> <li>"Quick Installation Guide" (brochure)</li> </ul>	