

## Product Highlights

### Latest Wireless AC Technology

Enjoy combined wireless speeds of up to 750 Mbps and increased range thanks to the latest 802.11ac wireless technology

### Dual-Band Wi-Fi for Seamless Performance

Access your network via two concurrent wireless bands for seamless performance no matter what you are doing

### Intuitive Setup Wizard

The setup wizard allows you to directly connect to the router and follow the on-screen instructions, making installation hassle free



## DSL-2877AL

# Dual Band Wireless AC750 VDSL2 /ADSL2+ Modem Router

## Features

### High-Speed Connectivity

- The latest 802.11ac wireless specification delivers blazing fast wireless connectivity with increased range and reliability
- VDSL2 / ADSL2+ port for speedy Internet access
- Four 10/100 Fast Ethernet LAN ports give you high-speed wired connectivity

### Flexible Bandwidth

- One 1000 Gigabit Ethernet WAN port, supports more WAN applications
- Concurrent dual-band wireless for combined connections of up to 750 Mbps<sup>1</sup>
- QoS engine to prioritize important traffic and deliver uninterrupted bandwidth

### Setup and Management

- Setup wizard to guide you through the configuration process
- Free downloadable One-Touch step-by-step installation mobile app for your smartphone or tablet
- Firewall and access control options to prevent attacks and restrict access to your network

The DSL-2877AL Dual Band Wireless AC750 VDSL2 / ADSL2+ Modem Router provides high-speed Internet and wireless coverage to smart devices in your home. With concurrent dual-band 802.11ac, it brings you the future of high-bandwidth wireless connectivity, allowing you to stream HD video, make Internet voice calls, and surf the web uninterrupted from anywhere in your home. An Ethernet switch provides wired connections for other devices such as a network storage, to ensure that your data is always accessible. It's stylish, easy-to-use, and comes IPv6-ready so you can keep up with the next generation of network devices.

## High-Speed Wired and Wireless Connectivity

The DSL-2877AL Dual Band Wireless AC750 VDSL2 / ADSL2+ Modem Router uses the latest high-speed wireless technology to bring you lightning-fast Wi-Fi speeds of up to 750 Mbps<sup>1</sup>, and an increased range. Enjoy streaming media, Internet phone calls, online gaming, and content-rich web surfing throughout your home. In addition, four Fast Ethernet ports give you solid, dependable wired performance for devices such as media centers and game consoles. The built-in Quality of Service (QoS) engine allows you to prioritize important traffic to ensure that your favorite applications are receiving optimal bandwidth.

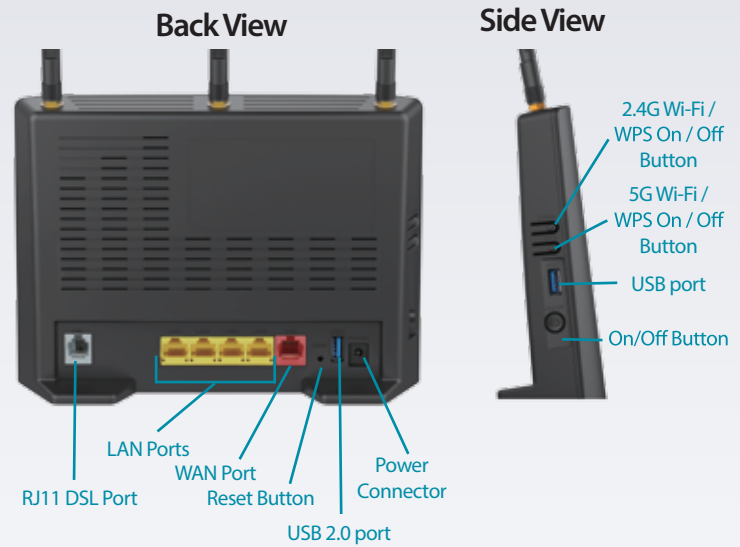
## Dual-Band Wireless for Seamless Performance

The DSL-2877AL features dual-band wireless, allowing you to operate two concurrent, high-speed Wi-Fi bands for ultimate wireless performance. Surf the web, chat, and play online games on the 2.4 GHz band, while simultaneously streaming digital media on the 5 GHz band. What's more, each band can operate as a separate Wi-Fi network, giving you the ability to customize your network according to your connectivity needs. You can even configure a guest zone to give visitors Internet access without giving them access to the rest of your network.

**Dual Band Wireless AC750 VDSL2 / ADSL2+ Modem Router**

**Easy to Set Up, Easy to Secure**

Sharing your Internet connection doesn't have to be a complicated process; just open a web browser to access the setup wizard and follow the easy step-by-step instructions to get started. Implement WPA/WPA2 wireless security in minutes with the wireless network setup wizard, or use Wi-Fi Protected Setup (WPS), which establishes a secure connection to new devices without the need to enter settings or create passwords. In addition, the built-in firewall protects against malicious attacks from the Internet, and access control features allow you to restrict access to your network.



**Technical Specifications**

**General**

Device Interfaces	<ul style="list-style-type: none"> <li>10/100/1000 Gigabit Ethernet WAN port</li> <li>802.11 ac/n/g/b Wireless LAN</li> <li>Four 10/100 Fast Ethernet LAN ports</li> </ul>	<ul style="list-style-type: none"> <li>RJ-11 DSL port</li> <li>Two USB 2.0 ports</li> </ul>
DSL Compliance	<ul style="list-style-type: none"> <li>ADSL Standards <ul style="list-style-type: none"> <li>Multi-mode</li> <li>Full-rate ANSIT1.413 Issue 2</li> <li>ITU-T G.992.1 (G.dmt) Annex A/C/I</li> <li>ITU-T G.992.2 (G.lite) Annex A/C</li> <li>ITU-T G.994.1 (G.hs)</li> </ul> </li> <li>ADSL 2 Standards <ul style="list-style-type: none"> <li>ITU-T G.992.3 (G.dmt.bis) Annex A/J/K/L/M</li> </ul> </li> <li>ADSL 2+ Standards <ul style="list-style-type: none"> <li>ITU-T G.992.5 Annex A/L/M</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>VDSL Standards: <ul style="list-style-type: none"> <li>ITU-T G.993.2 (VDSL2)</li> <li>ITU-T G.993.1-2004 (VDSL)</li> <li>ANSI T 1.424-2004</li> <li>ETSI TS 101 270-1 and TS 101 270-2</li> <li>VDSL2 Bandplan: plan 997, plan 998</li> <li>VDSL2 Profile: 8a, 8b, 8c, 8d, 12a, 12b, 17a</li> </ul> </li> </ul>
ATM/PPP Support	<ul style="list-style-type: none"> <li>Multiprotocol over AAL5 (RFC 1483/2684)</li> <li>Bridged and routed Ethernet encapsulation</li> <li>LLC encapsulation</li> <li>VC-based multiplexing</li> <li>ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs)</li> <li>ATM Cell Format ITU-T Rec. I.361</li> <li>ATM Adaptation Layer Type 5 (AAL5)</li> <li>PPPoA (RFC2364)</li> </ul>	<ul style="list-style-type: none"> <li>PPPoE (RFC2516)</li> <li>PPP Link Control Protocol (RFC 1661)</li> <li>Internet Protocol Control Protocol (RFC 1332)</li> <li>PPP Authentication Protocol (RFC 1334)</li> <li>PPP Challenge Handshake Authentication Protocol (RFC 1994)</li> <li>Microsoft PPP CHAP extensions (RFC 2433)</li> </ul>
WLAN Specifications	<ul style="list-style-type: none"> <li>802.11 n/g/b, up to 300 Mbps</li> <li>802.11 ac/a, up to 433 Mbps</li> <li>Wi-Fi Protected Setup (WPS)</li> <li>Multiple SSIDs</li> <li>Automatic rate adapting</li> <li>WAN scheduling</li> </ul>	<ul style="list-style-type: none"> <li>Auto channel selection</li> <li>WMM support</li> <li>64-bit &amp; 128-bit WEP</li> <li>WPA-PSK &amp; WPA2-PSK</li> <li>MAC address filtering</li> </ul>
Network Services	<ul style="list-style-type: none"> <li>IPv4</li> <li>DHCP server/client/relay</li> <li>DNS relay</li> <li>Dynamic DNS (DDNS)</li> <li>Routing Information Protocol (RIP) v1/v2</li> <li>NAT AGLs <ul style="list-style-type: none"> <li>PPTP</li> <li>L2TP</li> <li>FTP</li> <li>RTSP (RealTime Streaming Protocol)</li> <li>SIP v1/v2</li> <li>IPsec</li> </ul> </li> <li>Internet Control Message Protocol (ICMP)</li> <li>Virtual server (Port forwarding)</li> <li>Simple Network Time Protocol (SNTP)</li> </ul>	<ul style="list-style-type: none"> <li>802.1d MAC Bridge (up to 256*8 MAC addresses)</li> <li>QoS <ul style="list-style-type: none"> <li>IPP/ToS</li> <li>DSCP QoS in 4-priority queues</li> <li>Application QoS in 4-priority queues</li> <li>Strict priority</li> <li>VLAN QoS in 4-priority queues</li> <li>QoS remarking based on IPP/ToS, DSCP and 802.1p</li> <li>TOS transparency through NAT</li> <li>Mapping to queue according to DSCP bits and physical port</li> </ul> </li> <li>802.1Q</li> <li>IGMP proxy v1/v2</li> <li>IGMP snooping v1/v2/v3</li> </ul>

**Dual Band Wireless AC750 VDSL2 / ADSL2+ Modem Router**

Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11ac</li> <li>• IEEE 802.11n</li> <li>• IEEE 802.11g</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.11b</li> <li>• IEEE 802.3</li> <li>• IEEE 802.3u</li> </ul>
Minimum System Requirements	<ul style="list-style-type: none"> <li>• Windows 8/7/Vista/XP SP3 or Mac OS X 10.4 or higher</li> <li>• Microsoft Internet Explorer 6 or higher, Firefox 1.0 or higher, Safari 1.2 or higher, or other Java-enabled browser</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet network interface</li> <li>• Subscription with an Internet Service Provider (ISP)</li> </ul>
<b>Functionality</b>		
Universal Plug and Play Support	<ul style="list-style-type: none"> <li>• UPnP based auto-configuration</li> <li>• UPnP based port forwarding</li> </ul>	<ul style="list-style-type: none"> <li>• UPnP IGD 1.0</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Attack Prevention <ul style="list-style-type: none"> <li>• Port scanning &amp; illegal packet attack</li> <li>• DoS Attack</li> <li>• SYN Flooding</li> <li>• Ping of Death</li> <li>• Teardrop</li> <li>• LAND attack</li> <li>• IP Spoofing</li> <li>• IP with zero length</li> <li>• Smurf Attack</li> <li>• TCP Null Scan</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Stateful Packet Inspection (SPI)</li> <li>• Management Access Control for LAN/WAN sides</li> <li>• IP filtering</li> <li>• MAC filtering</li> <li>• URL filter</li> <li>• Demilitarized Zone (DMZ)</li> </ul>
Device Management	<ul style="list-style-type: none"> <li>• Web configuration</li> <li>• Telnet management</li> <li>• Webpage/X-Modem/FTP/TFTP firmware upgrade</li> </ul>	<ul style="list-style-type: none"> <li>• Diagnostic tools for DSL and IP Ping</li> <li>• One Touch Setup wizard</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• Multi-language web setup wizard</li> <li>• UPnP support</li> <li>• 802.1p QoS</li> <li>• VPN pass-through/multi-session PPTP/L2TP/IPSec</li> </ul>	<ul style="list-style-type: none"> <li>• Dual-active firewall <ul style="list-style-type: none"> <li>• Network Address Translation (NAT)</li> <li>• Stateful Packet Inspection (SPI)</li> </ul> </li> </ul>
<b>Physical</b>		
Dimensions	<ul style="list-style-type: none"> <li>• 198 x 146 x 54 mm (7.79 x 5.74 x 2.12 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 302 grams (9.6 oz)</li> </ul>	
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: -20 to 65 °C (-4 to 149 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 5 % to 95 % non-condensing</li> </ul>	
Certifications	<ul style="list-style-type: none"> <li>• CE</li> <li>• Wi-Fi</li> <li>• RCM</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi Protected Setup (WPS)</li> <li>• A-Tick</li> <li>• C-Tick</li> </ul>

# Dual Band Wireless AC750 VDSL2 / ADSL2+ Modem Router

Order Information	
Part Number	Description
DSL-2877AL	Dual Band Wireless AC750 VDSL2/ADSL2+ Modem Router

<sup>1</sup> Maximum wireless signal rate derived from IEEE standard specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

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