

## Product Highlights

### Blazing-fast Flexible Internet Solution

Experience high-speed broadband Internet via the built-in VDSL modem, Gigabit Ethernet, or USB 4G mobile dongle

### Latest Wireless AC and Gigabit Ethernet

Enjoy Gigabit Ethernet and combined wireless speeds of up to 1600 Mbps<sup>1</sup> with increased range thanks to the latest 802.11ac wireless technology

### Intuitive Setup Wizard

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



## DVA-2800

# VDSL2 AC1600 4-Port Gigabit Ethernet Wireless Router with VoIP

## Features

### Convenience

- User-friendly GUI for web configuration
- Compatible with all standard Internet applications
- Industry standard and interoperable DSL interface

### Wireless

- WLAN with high-speed data transfer rates of up to 1600 Mbps<sup>1</sup>, compatible with IEEE 802.11ac/n/g/b, 2.4 GHz compliant equipment
- WPA, 802.1x Wireless LAN encryption

### Broadband

- Asynchronous Transfer Mode (ATM) and Very-High-Bit-Rate Digital Subscriber Line (DSL) support
- Packet Transfer Mode (PTM) and Digital Subscriber Line (VDSL) support
- 3G/4G Mobile WAN connection
- Gigabit Ethernet Internet Port

### Router Features

- IP routing and bridging
- Point-to-Point Protocol (PPP)
- Quality of Service (QoS)
- Universal Plug-and-Play (UPnP)
- Web filtering
- USB mass storage, SAMBA

The DVA-2800 VDSL2 AC1600 4-Port Gigabit Ethernet Wireless Router with VoIP is a highly integrated router with everything your home or small business needs for high-speed Internet access. It combines an ADSL2+/VDSL2 modem, Gigabit Ethernet Internet Port, 4G mobile Internet support, Voice over IP (VoIP), and Gigabit wireless together in a single, easy-to-use product that shares an Internet connection for all your devices.

## Multiple Failover Redundancy and Future Connectivity

The D-Link DVA-2800 VDSL2 AC1600 4-Port Gigabit Ethernet Wireless Router with VoIP comes not only with a built-in high-speed VDSL/ADSL modem, capable of up to 300 Mbps VDSL2/24 Mbps ADSL speeds, but is also equipped with a Gigabit Ethernet WAN port and two USB 2.0 ports which support 3G/4G mobile broadband adapters. This means that if your primary connection method should fail, the DVA-2800 will automatically fall back to your pre-defined backup connection.

## Smooth Streaming with Wireless AC

The DVA-2800 uses the latest Wireless AC technology, which provides transfer rates of up to 1.6 Gbps<sup>1</sup> (1300 AC + 300 N). The router operates on both the 2.4 GHz and 5 GHz wireless bands at the same time using concurrent dual-band technology. This allows you to browse the web, chat, and e-mail using the 2.4 GHz band, while simultaneously streaming digital media, playing online games, or making Internet voice calls on the 5 GHz band. It is also backward-compatible with 802.11n, 802.11g, and 802.11b devices, so you can connect wirelessly with all your existing devices.

## Voice Over IP

The DVA-2800 provides Voice over IP technology with advanced communication features, and is compatible with industry-wide phone services so you can make and receive calls reliably. Use the FXS phone port on the DVA-2800 to connect an ordinary phone set for your VoIP phone calls, and use the router functions to connect all of your family members or personnel to the Internet for a fast online experience throughout your home or office.

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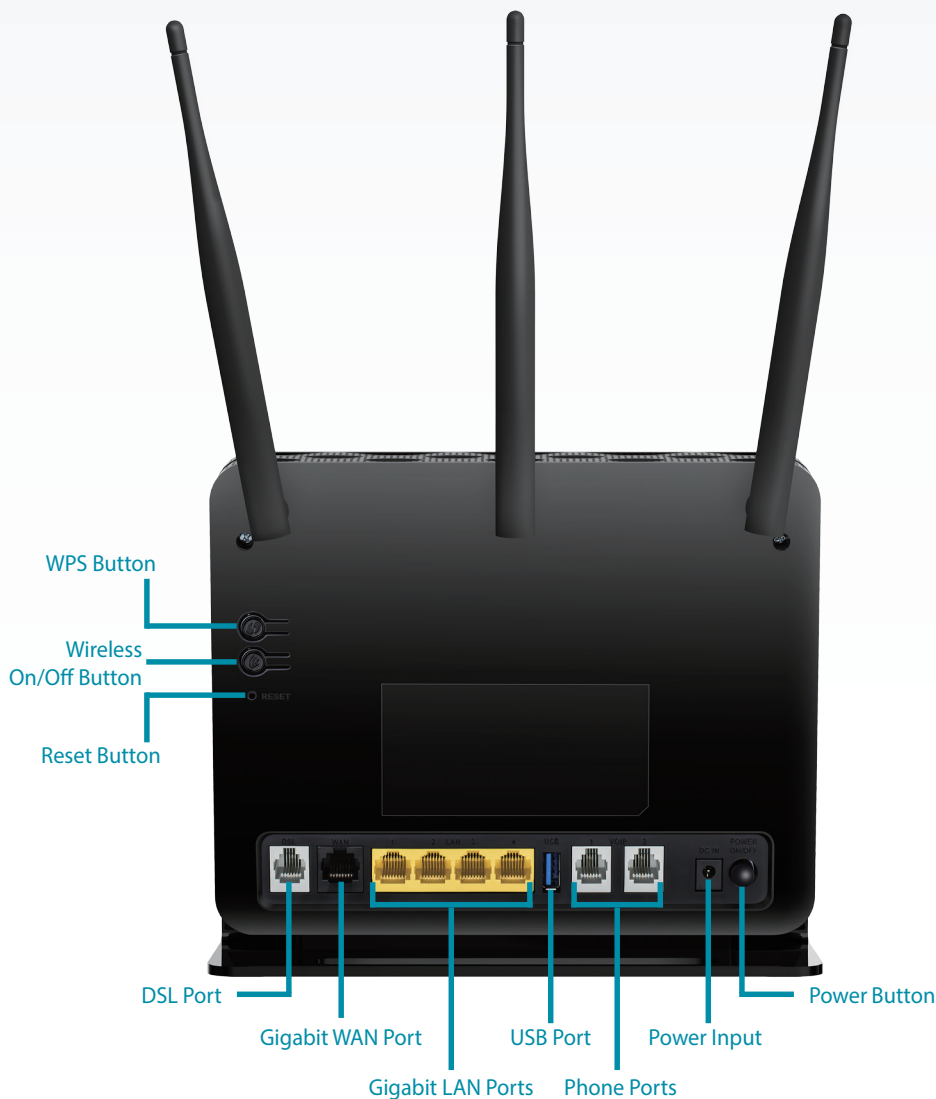
### File Sharing Right at Your Fingertips

The DVA-2800 lets you connect a USB storage device and instantly share documents, movies, pictures, and music. You can put your music library on a USB drive and share it with your entire home. You can show photos on the living room TV while a family member watches a movie on their computer. You can stream media files to multiple devices without interruption, or save them to your device for offline playback. The intuitive interface lets anyone immediately connect to a variety of media options stored on your own storage device.

### Easy to Set Up

Setting up the DVA-2800 is easy with the D-Link Easy Setup Wizard. Simply open the setup utility and follow a few easy steps to get your home network up and running. You can also set up a wireless network with the touch of a button using Wi-Fi Protected Setup (WPS). Simply press the respective WPS buttons on each device to easily establish a connection.

Back View



Side View



# VDSL2 AC1600 4-Port Gigabit Ethernet Wireless Router with VoIP

## Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• One RJ-11 xDSL port</li> <li>• One 10/100/1000 Gigabit Ethernet WAN port</li> <li>• 802.11 ac/n/g/b Wireless LAN</li> <li>• Four 10/100/1000 Gigabit Ethernet LAN ports<sup>1</sup></li> <li>• Two USB 2.0 ports</li> </ul>	<ul style="list-style-type: none"> <li>• Two FXS VoIP ports</li> <li>• WPS Button</li> <li>• Power Switch</li> <li>• Power Connector</li> </ul>
Antenna Configuration	<ul style="list-style-type: none"> <li>• Three External MIMO antennas</li> </ul>	
Data Signal Rate	<ul style="list-style-type: none"> <li>• 2.4 GHz</li> <li>• 300 Mbps<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz</li> <li>• 1300 Mbps<sup>1</sup></li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11ac</li> <li>• IEEE 802.11n</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.11b</li> <li>• IEEE 802.3</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3u</li> <li>• IEEE 802.3ab</li> <li>• IEEE 802.3az</li> <li>• IEEE 802.3x</li> </ul>
Minimum System Requirements	<ul style="list-style-type: none"> <li>• Ethernet or Wireless network interface</li> <li>• Subscription with an Internet Service Provider (ISP)</li> <li>• Windows 10/8.1/8/7/Vista/XP SP3 or Mac OS X 10.3 or higher</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft Internet Explorer 10 or higher, Edge 13 or higher, Firefox 36 or higher, Chrome 40 or higher, Safari 8 or higher, or other Java-enabled browser</li> </ul>
ADSL Features	<ul style="list-style-type: none"> <li>• T1.413i2, G.992.1</li> <li>• G.dmt, G.992.2, G.lite</li> <li>• G.992.3 (G.bis/ADSL2)</li> </ul>	<ul style="list-style-type: none"> <li>• G.992.5 (ADSL2+)</li> <li>• ITU G.994.1 (G.hs)</li> <li>• Annex L (Reach Extended ADSL2)</li> </ul>
VDSL Features	<ul style="list-style-type: none"> <li>• ITU-T G.993.2 VDSL2</li> <li>• Supports 8a, 8b, 12a, 12b, 17a, 30a profiles</li> <li>• Supports G.vector</li> <li>• Supports ATM and PTM</li> <li>• Supports G.INP</li> </ul>	<ul style="list-style-type: none"> <li>• Supports ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits (PVCs)</li> <li>• Supports CBR, UBR, VBR-rt, VBR-nrt</li> <li>• Supports multiple PVCs</li> <li>• Supports ITU-T i.610F4/F5 OAM</li> </ul>
Network Protocols	<ul style="list-style-type: none"> <li>• RFC2684 multiprotocol Encapsulation over ATM Adaptation Layer 5</li> <li>• RFC1483 multiprotocol Encapsulation over ATM Adaptation Layer 5</li> <li>• RFC2364 PPP over ATM ALL5 (PPPoA)</li> <li>• RFC2516 PPP over Ethernet (PPPoE)</li> <li>• RFC1662 PPP in HDLC-like Framing</li> <li>• RFC1332 PPP Internet Protocol Control Protocol</li> </ul>	<ul style="list-style-type: none"> <li>• RFC1577/2225 Classical IP and ARP over ATM (IPoA)</li> <li>• RFC894 A Standard for the Transmission of IP Datagrams over Ethernet Networks</li> <li>• RFC1042 A standard for the Transmission of IP Datagrams over IEEE 802 Networks</li> <li>• MER (a.k.a IP over Ethernet over AAL5)</li> <li>• Support ALG (Application Level Gateways)</li> </ul>
<b>Functionality</b>		
Routing Features	<ul style="list-style-type: none"> <li>• RFC768 User Datagram Protocol (UDP)</li> <li>• RFC791 Internet Protocol (IP)</li> <li>• RFC792 Internet Control Message Protocol (ICMP)</li> <li>• RFC793 Transmission Control Protocol (TCP)</li> <li>• RFC826 An Ethernet Address Resolution Protocol (ARP)</li> <li>• RFC862 Echo Protocol</li> <li>• Support IP routing</li> <li>• Support transparent bridging</li> </ul>	<ul style="list-style-type: none"> <li>• Support source and destination routing</li> <li>• Support DHCP server/client</li> <li>• Support UPnP</li> <li>• Support NAT,NAPT</li> <li>• Support DMZ</li> <li>• Support IP QoS</li> <li>• Support IGMP proxy</li> <li>• Support IPv6</li> </ul>
Management Features	<ul style="list-style-type: none"> <li>• Device Configuration, Management and Update</li> <li>• Web based GUI</li> <li>• Embedded web server</li> <li>• Command Line Interface via serial port, telnet, or SSH</li> <li>• Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0)</li> </ul>	<ul style="list-style-type: none"> <li>• WAN Management Protocol (TR-069)</li> <li>• SNMP v1/v2</li> <li>• PSI configuration file upload and download</li> <li>• Date/time update from SNTP Internet Time Server</li> </ul>
Security Features	<ul style="list-style-type: none"> <li>• Three-level login including local admin, local user, and remote technical support access</li> <li>• Service access control based on incoming interface: WAN or LAN</li> <li>• Service access control based on source IP addresses</li> </ul>	<ul style="list-style-type: none"> <li>• Firewall: SYN flooding, IP surfing, ping of Death, fragile, UDP ECHO (port 7), teardrop, land</li> <li>• PAP (RFC1334), CHAP (RFC1994), MSCHAP for PPP session</li> <li>• IP filter, Parental control</li> </ul>

# VDSL2 AC1600 4-Port Gigabit Ethernet Wireless Router with VoIP

Physical	
Power Supply	• 12 V DC, 2.0 A
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)      • Storage: -20 to 70 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 95% non-condensing      • Storage: 5% to 95% non-condensing
Certifications	• CE      • RCM • RoHS
Order Information	
<i>Part Number</i>	<i>Description</i>
DVA-2800	VDSL2 AC1600 4-Port Gigabit Ethernet Wireless Router with VoIP

<sup>1</sup> Maximum wireless signal rate derived from IEEE Standard 802.11ac, 802.11n, 802.11g, and 802.11b 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. Wireless range and speed rates are D-Link relative performance measurements based on the wireless range and speed rates of a standard Wireless G product from D-Link. Maximum throughput based on D-Link 802.11ac devices.

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