

## Product Highlights

### The Latest Wireless AC Technology

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

### High-Performance Dual-band Wireless

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

### Stay Secure

Keep your Internet activities safe with WPA/WPA2 wireless encryption, helping protect your network from local and remote intrusions



## DIR-816

# Wireless AC750 Dual Band Router

## Features

### High-Speed Connectivity

- Uses the latest Wireless AC technology to deliver blazing fast wireless connectivity with increased range and reliability<sup>1</sup>
- Concurrent dual-band wireless for combined connection speeds of up to 750 Mbps
- 10/100 Fast Ethernet WAN port for speedy Internet access
- Four 10/100 Fast Ethernet LAN ports give you high-speed wired connectivity

### Security

- Wi-Fi Protected Setup (WPS) to quickly and securely add devices to your network
- WPA/WPA2 encryption to secure your wireless traffic

### Ease of Use

- Web browser-based setup and configuration
- One page setup wizard to guide you through the configuration process

The DIR-816 Wireless AC750 Dual Band Router is an affordable yet powerful wireless networking solution which combines the latest high-speed 802.11ac Wi-Fi specification with dual-band technology and fast Ethernet ports to deliver a seamless networking experience. The increased range and reliability of wireless AC technology reaches farther into your home, and advanced security features keep your network and data safe from intruders.

## Dual Band Wireless AC for Seamless Performance

The DIR-816 Wireless AC750 Dual Band Router gives you lightning-fast combined wireless speeds of up to 750 Mbps and increased range. Using dual-band wireless, it allows 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.

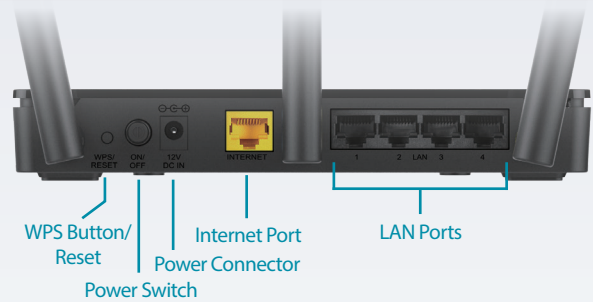
## Easy to Set Up, Easy to Secure

Sharing your Internet connection doesn't have to be a complicated process; just open a web browser and complete the one page setup wizard 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.

## High-Speed Wired and Wireless Connectivity

The DIR-816 Wireless AC750 Dual Band Router uses the latest high-speed wired and wireless technology to bring you lightning-fast Internet. With 10/100 Fast Ethernet ports, you get solid, dependable wired performance for devices such as media centers and gaming consoles. In addition, the built-in Quality of Service (QoS) engine allows you to prioritize important traffic to ensure that your favorite applications are receiving optimal bandwidth.

### Back View



## Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• IEEE 802.11ac wireless LAN<sup>1</sup></li> <li>• IEEE 802.11 a/b/g/n wireless LAN</li> </ul>	<ul style="list-style-type: none"> <li>• 10/100 fast Ethernet WAN port</li> <li>• Four 10/100 fast Ethernet LAN ports</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• 2.4 GHz WLAN</li> <li>• 5 GHz WLAN</li> </ul>	<ul style="list-style-type: none"> <li>• Internet</li> <li>• WPS</li> </ul>
Antenna Type	<ul style="list-style-type: none"> <li>• Three external antennas</li> </ul>	
Operating Frequency	<ul style="list-style-type: none"> <li>• 2.4 GHz band: 2400 - 2483.5 MHz</li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz band: 5150 - 5725 MHz</li> </ul>
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 802.11a</li> <li>• IEEE 802.3u</li> </ul>
Minimum Requirements	<ul style="list-style-type: none"> <li>• Windows 8/7/Vista/XP SP3, or Mac OS X 10.4 or higher</li> <li>• Internet Explorer 7, Firefox 12.0, Chrome 20.0, Safari 4.0, or other Java-enabled browser</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet interface or Wi-Fi</li> <li>• Cable or DSL Modem</li> <li>• Subscription with an Internet Service Provider</li> </ul>

### Functionality

Security	<ul style="list-style-type: none"> <li>• WPA &amp; WPA2 (Wi-Fi Protected Access)</li> </ul>	<ul style="list-style-type: none"> <li>• WPS (Wi-Fi Protected Setup)</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• One page setup wizard</li> <li>• Traffic Control (QoS)</li> </ul>	<ul style="list-style-type: none"> <li>• Wireless repeater</li> <li>• DMZ (Demilitarized Zone)</li> </ul>

### Physical

Dimensions	<ul style="list-style-type: none"> <li>• 192 x 108 x 30 mm (7.55 x 4.25 x 1.18 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 240 grams (8.46 ounces)</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• Input: 100 to 240 V AC, 50/60 Hz</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>• Operating: 10% to 90% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 5% to 95% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• CE</li> </ul>	

# DIR-816 Wireless AC750 Dual Band Router

Order Information	
<i>Part Number</i>	<i>Description</i>
DIR-816	Wireless AC750 Dual Band Router

<sup>1</sup> Maximum wireless signal rate derived from draft IEEE 802.11ac and IEEE 802.11n 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 product from D-Link. Maximum throughput based on D-Link 802.11ac devices.

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