

## Product Highlights

### Wireless AC1750 and Gigabit Ethernet

Stream HD video or make Internet voice calls across your home, using the fastest wired and wireless connectivity options available today

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

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

### Simple, Secure Setup

Set up the DIR-859 in no time either with the web-based setup wizard or the free QRS App, and create a secure wireless connection easily using Wi-Fi Protected Setup (WPS)



## DIR-859

# Wireless AC1750 Dual Band Gigabit Router

## Features

### High-Speed Connectivity

- 802.11ac wireless specification delivers blazing fast wireless connectivity with increased range and reliability
- 10/100/1000 Gigabit Ethernet WAN port for speedy Internet access
- Four 10/100/1000 Gigabit Ethernet LAN ports give you high-speed wired connectivity

### Flexible Bandwidth

- Concurrent dual-band wireless for combined connection speeds of up to 1750 Mbps<sup>1</sup> (1300 Mbps on 5GHz and 450 Mbps on 2.4 GHz)
- QoS engine to prioritise important traffic and deliver uninterrupted bandwidth

### Setup and Management

- Web browser-based setup and configuration
- Setup wizard to guide you through the configuration process
- Free QRS (Quick Router Setup) App for iOS and Android for setup on your smartphone or tablet without the need of a computer
- Firewall and access control options to prevent attacks and restrict access to your network

The DIR-859 Wireless AC1750 Dual Band Gigabit Router combines the latest high-speed 802.11ac dual-band Wi-Fi with Gigabit Ethernet ports to provide a seamless networking experience. The DIR-859's advanced security features keep data safe from unwanted network intruders, whilst the increased range and reliability of Wireless AC technology allows you to stay connected even under heavy network utilisation or in rooms that have bad wireless signal.

## High-Speed Wired and Wireless Connectivity

The Wireless AC1750 Dual Band Gigabit Router upgrades your network to the latest high-speed wireless technology to bring you lightning-fast combined Wi-Fi speeds of up to 1750 Mbps<sup>1</sup> (1300 Mbps on the 5 GHz frequency band and 450 Mbps on the 2.4 GHz frequency band) so you can meet the ever-greater demand from multimedia applications. Enjoy streaming media, Internet phone calls, online gaming, and content-rich web surfing throughout your home or office. In addition, 10/100/1000 Gigabit Ethernet ports give you solid, dependable wired performance for devices such as smart TVs, gaming consoles and network storage devices. The built-in Quality of Service (QoS) engine allows you to prioritise important traffic to ensure that your favourite applications are receiving optimal bandwidth.

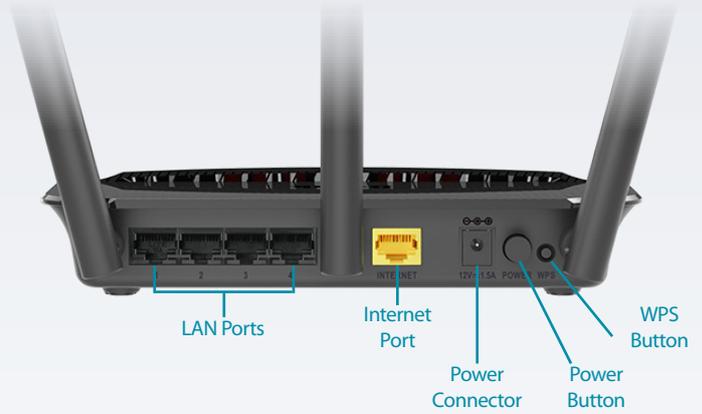
## Dual Band Wireless for Seamless Performance

The Wireless AC1750 Dual Band Gigabit Router 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 with your smartphones and computers, while simultaneously streaming digital media on the 5 GHz band on your streaming media players and tablets. What's more, each band can operate as a separate Wi-Fi network, giving you the ability to customise 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.

### 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. Alternatively, you can download the free QRS (Quick Router Setup) App for iOS or Android to set up directly on your smartphone or tablet without the need of a computer. 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 requires no setup, protecting you against malicious attacks from the Internet, and access control features allow you to restrict access to your network giving you greater control over network users.

### Back View



# DIR-859 Wireless AC1750 Dual Band Gigabit Router

## Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• IEEE 802.11ac wireless LAN</li> <li>• IEEE 802.11 a/b/g/n wireless LAN</li> </ul>	<ul style="list-style-type: none"> <li>• 10/100/1000 Gigabit Ethernet WAN port</li> <li>• Four 10/100/1000 Gigabit Ethernet LAN ports</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• Internet</li> <li>• WLAN</li> </ul>	<ul style="list-style-type: none"> <li>• LAN (x4)</li> <li>• WPS</li> </ul>
Antenna Type	<ul style="list-style-type: none"> <li>• Three dual-band dipole external antennas</li> </ul>	
Operating Frequency	<ul style="list-style-type: none"> <li>• 2.4 GHz band: 2400 - 2497 MHz</li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz band: 5150 - 5250 and 5725 - 5850 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>• Internet Explorer 10, Firefox 20, Chrome 25 or Safari 5.1</li> </ul>	<ul style="list-style-type: none"> <li>• Cable or DSL broadband 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>• Web setup wizard</li> <li>• QoS (Quality of Service)</li> <li>• DMZ (Demilitarized Zone)</li> </ul>	<ul style="list-style-type: none"> <li>• Firewall - Network Address Translation (NAT)</li> <li>• Guest zone</li> <li>• IPv6 ready</li> </ul>
Mobile Features	<ul style="list-style-type: none"> <li>• QRS Mobile app setup</li> </ul>	

### Physical

Dimensions	<ul style="list-style-type: none"> <li>• 189.95 x 149.75 x 38.11 mm</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 302.6 grams</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• Input: 100 to 240 V AC, 50/60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>• Output: 12V, 1.5 A</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>• FCC</li> <li>• IC</li> <li>• CSA</li> </ul>	<ul style="list-style-type: none"> <li>• CE</li> <li>• NCC</li> <li>• BSMI</li> </ul>

<sup>1</sup> Maximum wireless signal rate derived from standard 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 may adversely affect wireless signal range.



For more information: [www.dlink.com](http://www.dlink.com)

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