

## Product Highlights

### Latest Wireless AC Technology

Enjoy combined wireless speeds of up to 1750 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

### Simple, Secure Setup

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



## DIR-859

# AC1750 High Power Wi-Fi Gigabit Router

## Features

### High-Speed Connectivity

- The latest 802.11ac wireless specification delivers blazingly 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
- Concurrent dual-band wireless for combined connections of up to 1750 Mbps<sup>1</sup>

### Setup and Management

- QRS Mobile app for setup from mobile devices
- Web browser-based setup and configuration
- Setup wizard to guide you through the configuration process
- Firewall and access control options to prevent attacks and restrict access to your network

The DIR-859 AC1750 High Power Wi-Fi Gigabit 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 Gigabit Ethernet ports to deliver a seamless networking experience. The increased range and reliability of Wireless AC technology reaches farther into your home, and the DIR-859's security features keep your network and data safe from intruders.

### High-Speed Wired and Wireless Connectivity

The DIR-859 AC1750 High Power Wi-Fi Gigabit Router uses the latest high-speed wireless technology to bring you lightning-fast Wi-Fi speeds of up to 1750 Mbps, and increased range. Enjoy streaming media, Internet phone calls, online gaming, and content-rich Web surfing throughout your home. In addition, 10/100/1000 Gigabit Ethernet ports give you solid, dependable wired performance for devices such as media centers and gaming consoles.

### Dual Band Wireless for Seamless Performance

The DIR-859 AC1750 High Power Wi-Fi 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, 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.

### Quick Setup From Your Mobile

With the DIR-859, getting your network up and running has never been simpler. Using the free QRS Mobile app available for Android and iPhone, iPad, and iPod touch devices, you can follow the easy step-by-step instructions on your smartphone or tablet to quickly configure 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. 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>• 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>• Windows 8/7/Vista or MAC OS X 10.6 or higher</li> <li>• Internet Explorer® 9, 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> <li>• Ethernet adapter</li> </ul>
Maximum Output Power	20 dbm for 2.4GHz and 23 dbm for 5Ghz	

**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>• DMZ (Demilitarized Zone)</li> </ul>	<ul style="list-style-type: none"> <li>• Firewall - Network Address Translation (NAT)</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 (7.48 x 5.89 x 1.5 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 302.6 grams (10.7 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>• 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>

# DIR-859 AC1750 High Power Wi-Fi Gigabit Router

Order Information	
<i>Part Number</i>	<i>Description</i>
DIR-859	AC1750 High Power Wi-Fi Gigabit Router

<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 will adversely affect wireless signal range.

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