

## Product Highlights

### Connect all of your devices to the Internet

Access the Internet with all your devices, whether you're sharing a premium wireless hotspot or your 3G/4G USB adapter's mobile Internet connection

### Share your files easily

Stream photos, music, videos, and documents stored on a USB drive directly to multiple mobile devices through the SharePort Cam app

### Charge your mobile devices on the go

The built-in 4000 mAh rechargeable battery keeps your mobile devices charged and ready to go no matter where you are



## DIR-510L

# Wi-Fi AC750 Portable Router and Charger

## Features

### Connect Your Devices

- Automatically detects the appropriate connection mode to use
  - **Broadband Router Mode:** Connect an Ethernet cable to share your wired connection
  - **Mobile Router Mode:** Connect a 3G/4G USB adapter to share your mobile connection<sup>1</sup>
  - **Hotspot Mode:** Share Internet access from a Wi-Fi hotspot with all of your devices
- Shares your Internet connection through Wireless AC with speeds up to 750 Mbps<sup>2</sup>
- Saves your connection settings for automatic connection later

### Share Your Files

- Plug in a USB drive for easy file access<sup>3</sup>
- Stream your files over the Internet to your mobile device with the mydlink SharePort™ app
- SharePort Mobile app for Windows® 8/RT devices
- Stream media to UPnP/DLNA-capable devices

### Charge Your Devices

- High-capacity 4000 mAh rechargeable battery
- Charge your mobile devices on the go, including power-hungry devices like iPads

Connect, share, and charge your mobile devices anytime, anywhere, with D-Link's DIR-510L Wi-Fi AC750 Portable Router and Charger. Share files, stream media, and browse the Internet with the superb speed and performance provided by the latest Wireless AC technology. Simply connect your laptop, smartphone, or tablet to the DIR-510L's wireless network and it will take care of the rest. With the built-in high-capacity rechargeable battery, this mobile power station lets your devices perform strong all day long.

## Wireless AC for Breakthrough Performance

The DIR-510L incorporates the latest Wireless AC750 technology for unprecedented range and data transfer performance to and from compatible Wi-Fi devices. By using dual bands to bypass radio congestion and interference, the router can deliver a total of 750 Mbps using the combined bandwidth of its 2.4 GHz and 5 GHz bands. Moreover, 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. Combined with support for Universal Plug and Play (uPnP) and a built-in DLNA server, you can stream your multimedia collection smoothly and securely across all your devices and appliances, including smart TVs, game consoles, and media PCs.<sup>4</sup>

## mydlink SharePort™ – Share On the Go

Sharing audio, videos, and photos is a breeze with the DIR-510L. Using the mydlink SharePort and SharePort Mobile apps for mobile devices, you can upload, download, and stream multimedia and documents to and from a USB drive attached to your DIR-510L, from anywhere in the world! Simply download the app, register for a free mydlink account, connect to your DIR-510L, and you can start sharing your media files with your friends and family as long as you have access to the Internet.

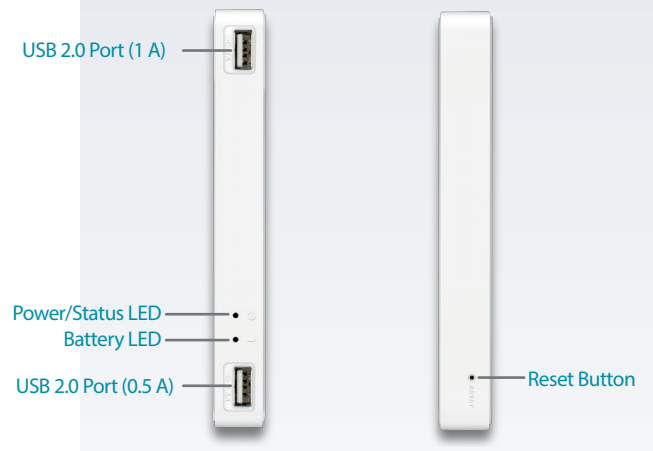
**Your Mobile Power Station**

The DIR-510L's built-in high-capacity 4000 mAh rechargeable battery not only powers the device itself, it also keeps your gadgets charged and ready to go. The device provides two USB ports so you can charge a device and share files from a USB drive at the same time. You no longer have to worry about your smartphone's battery running out of juice while on-the-move. Simply connect your smartphone or high-power devices like iPads to the USB port to start charging anywhere, anytime.<sup>6</sup>

**Easy to Set Up, Easy to Use**

The DIR-510L includes a user-friendly interface that stores your connection details for you so you only have to enter them once. Whether you're connected via your 3G/4G adapter for mobile Internet or to the Wi-Fi hotspot of your favorite café, the DIR-510L helps you keep all of your devices connected, automatically!

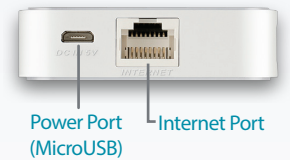
**Side View**



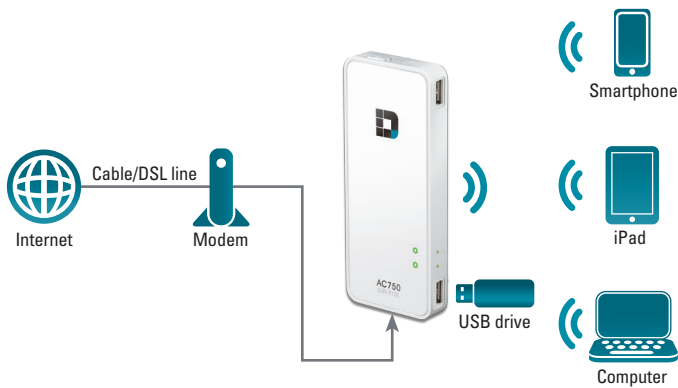
**Top View**



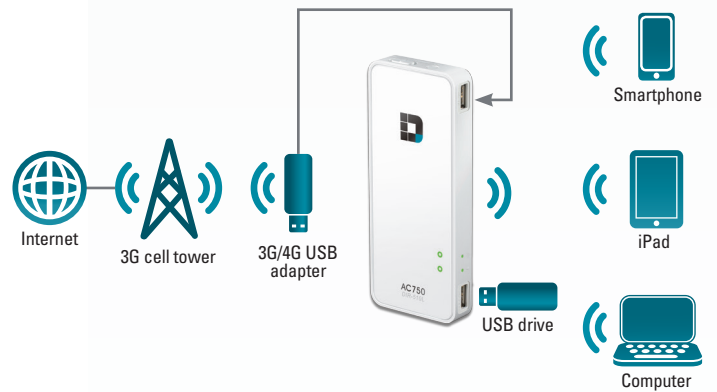
**Bottom View**



**Share Your Broadband Connection**



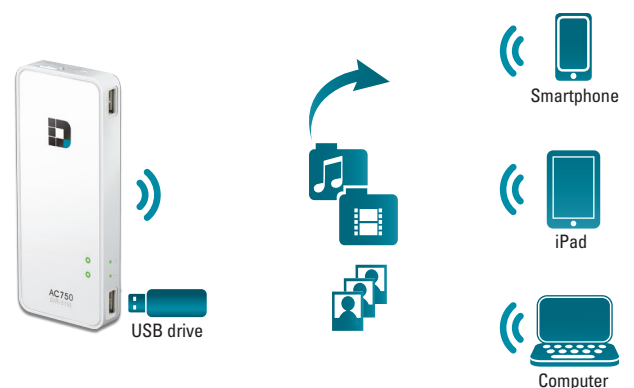
**Share Your Mobile Data Connection**



**Share a Wi-Fi Hotspot**



**Share Your Files Locally**



**Technical Specifications**

**General**

Device Interfaces	<ul style="list-style-type: none"> <li>• 802.11 a/b/g/n/ac Wireless LAN, up to 750 Mbps<sup>2</sup></li> <li>• WAN 10/100 Ethernet port</li> <li>• WPS button</li> <li>• Power switch</li> <li>• Reset button</li> </ul>	<ul style="list-style-type: none"> <li>• USB 2.0 Type A port (1 A) for compatible 3G/4G adapters, USB drive, or charging other devices</li> <li>• USB 2.0 Type A port (0.5 A) for USB drive or DCS-300</li> <li>• Power port (MicroUSB)</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power/Status</li> </ul>	<ul style="list-style-type: none"> <li>• Battery status</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11ac (draft)</li> <li>• IEEE 802.11n</li> <li>• IEEE 802.11b</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.11a</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3u</li> <li>• USB 2.0</li> </ul>
Internet Modes	<ul style="list-style-type: none"> <li>• Broadband Router Mode</li> <li>• Mobile Router Mode</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi Hotspot Mode</li> </ul>
Power Modes	<ul style="list-style-type: none"> <li>• On/Off/Charger<sup>8</sup></li> </ul>	
Wireless Frequency Range	<ul style="list-style-type: none"> <li>• IEEE 802.11b/g/n: 2.4 GHz to 2.4835 GHz</li> <li>• IEEE 802.11ac: 5.15 GHz to 5.85 GHz</li> </ul>	
Maximum Wireless Output Power (EIRP)	<ul style="list-style-type: none"> <li>• 19.6dBm</li> </ul>	

**Functionality**

Sharing Features <sup>3</sup>	<ul style="list-style-type: none"> <li>• mydlink SharePort app</li> <li>• App supports iPhone®, iPad®, iPod touch®, and Android™ devices</li> <li>• Remote Access Mode: Access files through the Internet<sup>7</sup></li> <li>• Local Access Mode: Access files from any device connected to the DIR-510L</li> </ul>	<ul style="list-style-type: none"> <li>• SharePort Web Access support (Web browser)</li> <li>• Access files from any device connected to the DIR-510L</li> <li>• SharePort Mobile app support for Windows® 8/RT devices</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Wi-Fi Protected Access (WPA/WPA2)</li> <li>• WEP 64/128-bit encryption<sup>5</sup></li> </ul>	<ul style="list-style-type: none"> <li>• WPS 2.0 (PBC)</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• Guest Zone support</li> <li>• IPv6</li> <li>• Wi-Fi WMM Quality of Service (QoS)</li> </ul>	<ul style="list-style-type: none"> <li>• UPnP support</li> <li>• DLNA Media Server<sup>4</sup></li> </ul>
Advanced Firewall Features	<ul style="list-style-type: none"> <li>• Network Address Translation (NAT)</li> </ul>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>
Device Management	<ul style="list-style-type: none"> <li>• User-friendly web UI with desktop and mobile interfaces</li> </ul>	

**Physical**

Dimensions	<ul style="list-style-type: none"> <li>• 140.0 x 59.0 x 16.0 mm (5.5 x 2.3 x 0.63 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 154 g (5.43 ounces)</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• Built-in 4000 mAh Li-ion rechargeable battery</li> <li>• Input: 5 V DC/1.8 A maximum (standard adapter);</li> </ul>	<ul style="list-style-type: none"> <li>• Output: 5 V/1 A via USB Type A port</li> <li>• 5 V/0.5 A via USB Type A port</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: -10 to 45 °C (14 to 113 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 75% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 5% to 75% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• FCC</li> <li>• CE</li> <li>• IC</li> <li>• C-Tick</li> <li>• NCC</li> </ul>	<ul style="list-style-type: none"> <li>• cUL</li> <li>• LVD</li> <li>• BSMI</li> </ul>

# DIR-510L Wi-Fi AC750 Portable Router and Charger

Order Information	
Part Number	Description
DIR-510L	Wi-Fi AC750 Portable Router and Charger

<sup>1</sup> For a list of compatible 3G/4G USB adapters, check your local D-Link website.

<sup>2</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.

<sup>3</sup> If you have attached one or more USB devices (such as a 2.5" USB hard drive) that draw a total of 0.7 A or more power, the power adapter will not supply enough voltage to charge your DIR-510L while simultaneously powering the USB devices.

<sup>4</sup> Available in a future update.

<sup>5</sup> For WAN connection to a Wi-Fi hotspot in hotspot mode only.

<sup>6</sup> Actual usable capacity may vary depending on charging conditions.

<sup>7</sup> For an optimal streaming experience, 2 MB of upload bandwidth is recommended.

<sup>8</sup> The DIR-510L only supports charging on the USB port (1 A) in CHARGER mode.

Updated 09/26/13