

## Product Highlights

### Faster Wireless Speeds

Download web content and sync files to a mobile device 3 times faster<sup>1</sup> than the previous standard, with wireless speeds of up to 867 Mbps<sup>3</sup>

### Dual-Band Wireless for Seamless Performance

Wireless access to your network via two concurrent wireless bands for uninterrupted performance no matter what you are doing

### mydlink™-Enabled

Effortlessly monitor your network or cameras from any Internet connected PC or any iOS or Android mobile device



## DIR-850L

# Wireless AC1200 Dual-Band Gigabit Cloud Router

## Features

### Connectivity

- 802.11 a/b/g/n/ac wireless LAN for a complete range of wireless compatibility
- Gigabit WAN and LAN ports for high-speed wired connections
- USB port to connect storage drives and printers for sharing
- Four internal antennas with 11ac technology to ensure comprehensive home coverage

### mydlink™

- Remotely view and manage your network over the Internet
- Access your network through a mobile app

### Mobile Apps

- mydlink™ Lite app helps you access, manage and view your network remotely
- Shareport™ Mobile app lets you stream and share media files and documents across your network
- QRS Mobile app lets you set up your network using a mobile device without a computer

### Security

- WPA & WPA2 wireless encryption protects the network from intruders
- Wi-Fi Protected Setup (WPS) securely adds devices to your network at the push of a button

The DIR-850L Wireless AC1200 Dual-Band Gigabit Cloud Router lets you easily connect to, control and monitor your network using the future of wireless technology and unique mydlink™. By downloading the free mydlink™ app you can monitor your home network remotely. Plus, with the included SharePort™ Technology, accessing and sharing your files, playlists and videos has never been so easy.

## Fast and Reliable Home Networking

This router creates the fastest home network possible today connecting all of your computers and mobile devices to your broadband Internet connection. Concurrent dual-band 802.11ac brings you the future of high-bandwidth wireless connectivity, allowing you to stream HD video, make Internet calls, and surf the Internet without interruption. Gigabit Ethernet ports provide high-speed wired connections for up to four PCs or other devices. It's stylish, easy-to-use, and is IPv6-ready for a reliable network today and tomorrow.

## Greater Speeds with the latest Wireless AC

The DIR-850L uses the latest Wireless AC technology, which can provide transfer rates of up to 867 Mbps<sup>3</sup>. Faster gigabit wireless speeds allow you to download contents and sync files 3 times faster<sup>1</sup> than the previous standard and provide you with whole home coverage. The router operates on both the 2.4 GHz band and 5 GHz wireless bands at the same time using concurrent dual-band technology and multiple internal antennas. 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 phone calls on the 5 GHz band.

## Stay informed and protected with mydlink™

This router gives you complete control by allowing you to monitor who is connecting to your network, which sites they are visiting and block unwanted visitors. You can monitor your home network remotely through the mydlink™ web portal or by downloading the free mydlink™ app available for your iOS or Android devices.

## File Sharing Right at Your Fingertips

Connect a USB storage device to your DIR-850L to create a shared storage space, making it easy to access and share files between computers and devices connected to your network. Plug in a USB hard drive to stream your library of videos and music to your laptop. Plus, the SharePort™ Mobile app for iOS and Android devices allows you to back up photos and videos stored on your device. You can even customise your shared storage space by creating separate accounts to control access to the USB drive, so you can share your music with everyone but keep your personal files private. This Cloud Router can also be used as a media server for your home to stream media stored on your USB storage drive to any DLNA compliant player like the Boxee Box by D-Link.

## Easy to Set Up and Use

Get the DIR-850L up and running in no time right from your couch using the QRS (Quick Router Setup) Mobile app on your iOS or Android device. Simply plug in the router, open the app, and follow a few easy steps to get your home network connected without having to touch a computer. You can also set up a secure network with the touch of a button using Wi-Fi Protected Setup. Simply press the WPS button to instantly establish a secure connection to a new device. If you have additional mydlink™ products, you can take advantage of mydlink™ Zero Configuration. Simply connect your mydlink™-enabled device to the DIR-850L and the router will automatically link it to your mydlink™ account with no configuration required.

## Modern, Artistic Design

The elegant curves and vertical design of this Cloud Router mean that you don't need to hide another piece of tech clutter in your home. With all ports and connectors discreetly hidden on the back of the device, you can proudly display your router as a seamless part of any modern home.

## mydlink™ app



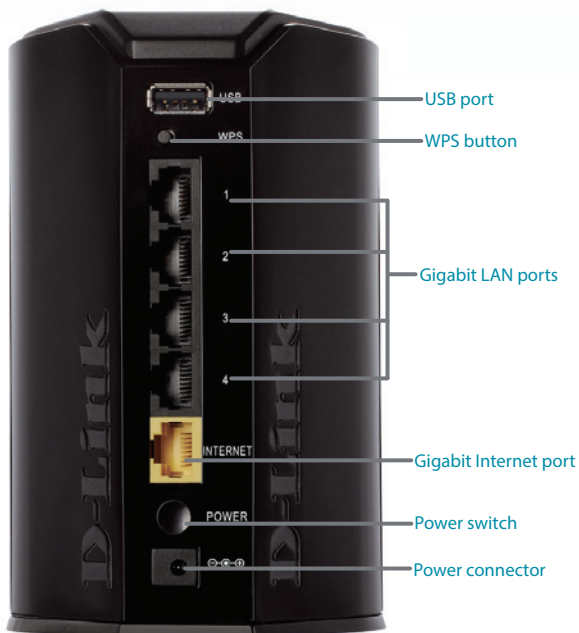
With the mydlink™ app for iPhone, iPad and Android devices you can quickly and easily stay in control of your network anywhere with a Wi-Fi or 3G connection.

## SharePort™ Mobile app

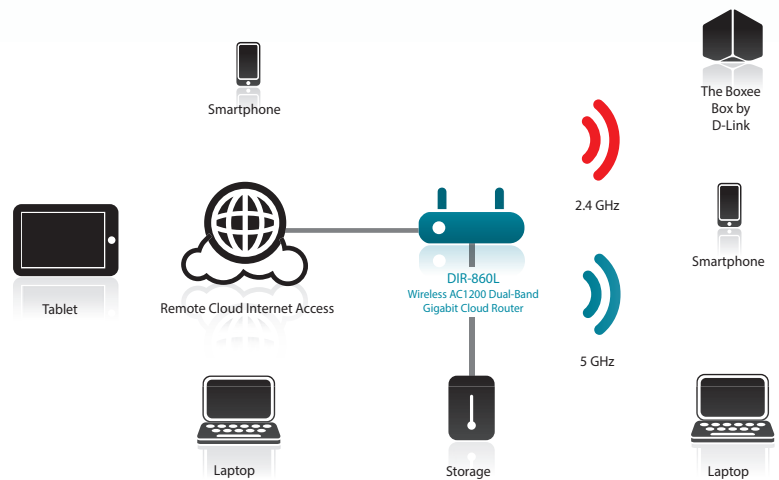


The SharePort™ Mobile app for iPhone®, iPad®, or Android™ devices offers effortless access to stored personal files and multimedia. Music, video, and photos can be streamed or transferred from a USB drive that is connected to a Cloud Router, to multiple mobile devices from this intuitive app. It's also a great way to enjoy media without using valuable memory on your mobile device!

## Rear View



## Network diagram



# DIR-850L Wireless AC1200 Dual-Band Gigabit Cloud Router

## Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• 802.11 a/b/g/n/ac wireless LAN</li> <li>• Four 10/100/1000 Gigabit LAN ports</li> </ul>	<ul style="list-style-type: none"> <li>• 10/100/1000 Gigabit WAN port</li> <li>• USB port</li> </ul>
Antenna Type	<ul style="list-style-type: none"> <li>• 2x2 (2.4 GHz) and 2x2 (5 GHz) internal antennas</li> </ul>	
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11ac (draft)</li> <li>• IEEE 802.11n</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.11b</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.11a</li> <li>• IEEE 802.3</li> <li>• IEEE 802.3u</li> </ul>
Minimum System Requirements	<ul style="list-style-type: none"> <li>• Windows 7/Vista/XP SP3 or Mac OS X 10.4 or higher</li> <li>• Microsoft Internet Explorer 6 or higher, Firefox 1.5 or higher, or other Java-enabled browser</li> </ul>	<ul style="list-style-type: none"> <li>• CD-ROM</li> <li>• Ethernet network interface</li> <li>• Cable or xDSL modem</li> <li>• Subscription with an Internet Service Provider</li> </ul>

### Functionality

Advanced Features	<ul style="list-style-type: none"> <li>• Guest Zone</li> <li>• Web file access</li> <li>• Multi-language Web Setup Wizard</li> <li>• Green Ethernet</li> <li>• DLNA Media server support</li> </ul>	<ul style="list-style-type: none"> <li>• Dual Active Firewall                             <ul style="list-style-type: none"> <li>• Network Address Translation (NAT)</li> <li>• Stateful Packet Inspection (SPI)</li> </ul> </li> <li>• VPN passthrough/multi-session PPTP/L2TP/IPSec</li> </ul>
mydlink™ Features	<ul style="list-style-type: none"> <li>• Remote Management</li> <li>• View current upload/download bandwidth</li> <li>• View currently connected clients</li> <li>• View web browsing history per client</li> </ul>	<ul style="list-style-type: none"> <li>• Block/unblock client network access</li> <li>• Manage wireless network details</li> <li>• Accessible through a web browser or iOS or Android mobile app</li> </ul>
Mobile App Support	<ul style="list-style-type: none"> <li>• mydlink™ Lite</li> <li>• SharePort™ Mobile</li> </ul>	<ul style="list-style-type: none"> <li>• QRS Mobile</li> </ul>
Wireless Security	<ul style="list-style-type: none"> <li>• WPA &amp; WPA2 (Wi-Fi Protected Access)</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi Protected Setup (WPS) PIN/PBC</li> </ul>

### Physical

Dimensions	<ul style="list-style-type: none"> <li>• 93 x 116 x 145 mm (3.7 x 4.6 x 5.76 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 330 grams (0.73 lbs)</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: 12 V DC, 2 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: 0% 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 Class B</li> <li>• CE Class B</li> <li>• C-Tick</li> <li>• DLNA</li> <li>• IPv6 Ready</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi Certified</li> <li>• Wi-Fi Protected Setup (WPS)</li> <li>• Wi-Fi Multimedia (WMM)</li> <li>• Compatible with Windows 8</li> </ul>

<sup>1</sup> When compared with Wireless N300. Requires mobile devices that supports 802.11ac wireless standard.

<sup>2</sup> When a storage device is connected to your router. File sharing is for local network use only.

<sup>3</sup> Maximum wireless signal rate derived from IEEE standard 802.11ac (draft) specifications which are subject to change. 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.



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

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Updated April 2013

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