D-Link®
Building Networks for People

Product Highlights

High-speed Wireless AC

Stream HD multimedia across your home without interruption using the fastest wireless connectivity technology available today

mydlink Cloud-enabled

Effortlessly monitor and manage your network remotely from a computer or mobile device

Easy Set Up and Installation

The QRS (Quick Router Setup) Mobile app for your iOS or Android device allows you to set up your network without touching a computer

DIR-820L
Wireless AC1000 Dual Band Cloud Router

Features

Connectivity
- 802.11 a/b/g/n/ac wireless LAN for a complete range of wireless compatibility
- Four internal antennas with new 11ac technology for high-speed wireless connectivity
- Fast Ethernet WAN and LAN ports for wired connections
- USB 2.0 port to connect storage drives for sharing files

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

Mobile Apps
- mydlink Lite helps you access, manage and view your network remotely
- mydlink SharePort lets you stream and share media files and documents across your network or even the Internet
- QRS Mobile 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-820L Wireless AC1000 Dual Band Cloud Router lets you easily connect, control, and monitor a network using the future of wireless technology, today. It's mydlink Cloud-enabled and supports the mydlink SharePort app to stream and share your media files.

Fast and Reliable Home Networking

The D-Link DIR-820L Wireless AC1000 Dual Band Cloud Router creates a fast home network that connects all of your computers and mobile devices to your broadband Internet connection. Concurrent dual-band 802.11ac technology is the latest advancement in high-bandwidth wireless connectivity, which enables you to stream HD video, make Internet calls, and surf the Internet without interruption. The DIR-820L's Fast Ethernet ports provide wired connections for up to four PCs or other devices. It's stylish, easy-to-use, and comes IPv6-ready for creating a reliable network today and tomorrow.

Use mydlink to Monitor Your Network

The Wireless AC1000 Dual Band Cloud Router is mydlink Cloud-enabled, so you can effortlessly access and view your network no matter where you are. See who is connected to your router, change your router settings, or block someone from using your network connection, all from any Internet-connected PC, or any iOS or Android mobile device. Parents can monitor Internet usage to see what sites their children are visiting, allowing them to stay informed and in control on the go.

Smooth Streaming with Wireless AC

The DIR-820L uses the latest Wireless AC technology, which can provide transfer rates of up to 1 Gbps[1]. The router operates on both the 2.4 GHz and 5 GHz wireless bands at the same time using concurrent dual-band technology and four internal antennas. This allows you to browse the web, chat, and email using the 2.4 GHz band, while simultaneously streaming digital media, playing online games, or making Internet phone calls on the 5 GHz band.

File Sharing Right at Your Fingertips

The mydlink SharePort app allows you to connect a USB storage device to the DIR-820L and instantly share documents, movies, pictures, and music with mobile devices. You can put your music library on a USB drive and share it with connected devices in your entire home network. You can show photos on the living room TV while a family member watches a movie on their mobile device. You can stream media files to multiple devices without interruption, or save them to your device for offline playback. The intuitive interface lets anyone immediately connect to a variety of entertainment options stored securely on your own storage device.
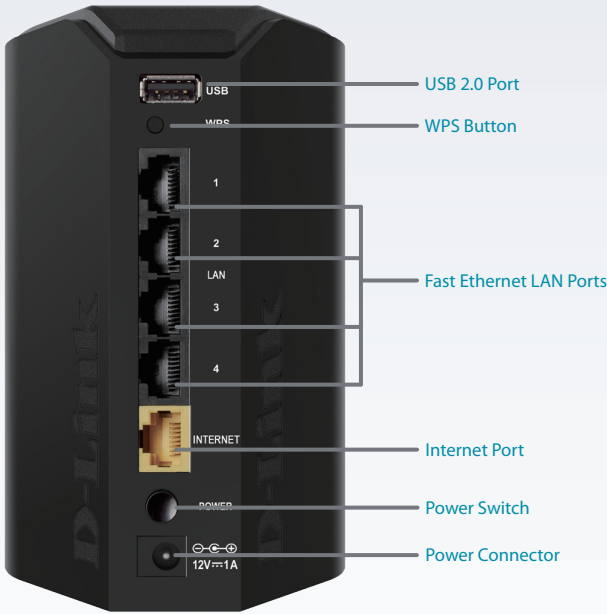
Easy to Set Up and Use

Get the DIR-820L 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 instantly set up a secure network with just the touch of a button using Wi-Fi Protected Setup.

mydlink Zero Configuration

If you already have other mydlink cloud products, you can take advantage of mydlink Zero Configuration. Simply connect your mydlink-enabled device to the DIR-820L and the router will automatically link it to your mydlink account, allowing even novice users to set up and use their new device immediately. Set up a home survelliance network in an instant using D-Link Cloud Cameras, or effortlessly stream your media files across the Internet with our ShareCenter Cloud Storage products – no complicated configuration required.

Back View

- USB 2.0 Port
- WPS Button
- Fast Ethernet LAN Ports
- Internet Port
- Power Switch
- Power Connector

Technical Specifications

General

Device Interfaces	• 802.11 a/b/g/n/ac wireless LAN • Four 10/100 Fast Ethernet LAN ports	• 10/100 Fast Ethernet WAN port • USB 2.0 port
Antenna Type	• 2 x 2 (2.4 GHz) and 2 x 2 (5 GHz) internal antennas	
Standards	• IEEE 802.11ac • IEEE 802.11n • IEEE 802.11g • IEEE 802.11b	• IEEE 802.11a • IEEE 802.3 • IEEE 802.3u
Minimum System Requirements	• Windows 8/7/Vista/XP SP2 or Mac OS X 10.4 or higher • Microsoft Internet Explorer 6, Firefox 12, Chrome 20, or Safari 4 or higher	• Ethernet network interface • Cable or DSL modem • Subscription with an Internet Service Provider

Functionality

Advanced Features	• Guest Zone
	• Web file access
	• Multi-language Web Setup Wizard
	• Green Ethernet
		• Dual Active Firewall
		  • Network Address Translation (NAT)
		  • Stateful Packet Inspection (SPI)
		• VPN passthrough/multi-session PPTP/L2TP/IPSec

mydlink Features	• Remote Management • View current upload/download bandwidth • View currently connected clients • View web browsing history per client	• Block/unblock client network access • Manage wireless network details • Accessible through a web browser or iOS or Android mobile app
Mobile App Support	• mydlink Lite • mydlink SharePort	• QRS Mobile
Wireless Security	• WPA & WPA2 (Wi-Fi Protected Access)	• Wi-Fi Protected Setup (WPS) PIN/PBC

Physical

Dimensions	• 111 x 93 x 145 mm (4.7 x 3.7 x 5.76 inches)	
Weight	• 274 grams (9.67 ounces)	
Power	• Input: 12 V DC, 1 A	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• FCC Class B • CE Class B • C-Tick • IPv6 Ready	• Wi-Fi Certified • Wi-Fi Protected Setup (WPS) • Wi-Fi Multimedia (WMM) • Compatible with Windows 8

Order Information

Part Number	Description
DIR-820L	Wireless AC1000 Dual Band Cloud Router

[1] Maximum wireless signal rate derived from IEEE standard 802.11ac 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.

Updated 2014/06/16

D-Link®

Building Networks for People