



Next Generation Wireless Technology – Wireless AC1000 for optimized performance and reliable coverage delivering HD video streaming, fast file transfers and lag-free video chatting

Dual Band Performance – Delivers fast wireless speeds and less interference for maximum throughput

Backward Compatibility – Compatible with existing Wi-Fi devices

mydlink™ Cloud Management – Monitor and manage your network from anywhere

Wired Connectivity – Four Fast Ethernet ports for device connectivity

Wireless AC1000 Dual Band Cloud Router

Product Highlights

Wireless AC1000 Dual Band Router

Backward Compatible with your Wireless Devices

Connect up to 4 Devices with Fast Ethernet Connectivity

App-Enabled Network Control and Monitoring

Stream and Share your Files with SharePort™ Mobile App

Quick and Easy Setup

Upgrade to AC Performance

Today's households are connecting more devices than ever before – with more and more iPhones, Androids, tablets, and laptops laying around in any given home, it's important that each device gets the speed and coverage it deserves.

By upgrading your current network to wireless AC, you can immediately enjoy the benefits of faster wireless speeds, increased home coverage - all with less wireless interference so you can enjoy doing what you love most. Delivering Wi-Fi dual band speeds to your home network, the DIR-820L is the perfect solution for those looking to enjoy HD video streaming, fast file transfers, and lag-free video chatting.

Package Contents

- Wireless AC1000 Dual Band Cloud Router (DIR-820L)
- Ethernet Cable
- Power Adapter
- Quick Install Guide¹

Minimum System Requirements

Computer with:

- Windows® 8, Windows® 7, Windows Vista®², Windows® XP SP2², or Mac OS® X (v10.4)
- Internet Explorer® v6, Mozilla® Firefox®, Google Chrome or Safari 4
- Network Interface Card

For Internet Access:

- Cable or DSL Modem
- Subscription with an Internet Service Provider (ISP)

Features

- **Compatibility:** Backward compatible with existing wireless devices
- **Dual Band Wireless AC:** Upgrade your current Wi-Fi Performance
- **Remote Access:** Access and manage your network from the palm of your hand with the mydlink Lite app
- **Easy Setup:** Intelligent setup using web browser wizard or with the QRS Mobile app

Backward Compatibility

While the DIR-820L delivers AC performance to your home network, it is also backward compatible with all of your existing wireless devices. This means you can enjoy all the benefits of wireless AC without worrying about annoying compatibility issues. Simply use a web browser or download the QRS Mobile app to your mobile device, follow the intuitive setup wizard and you'll have your wireless AC home network up and running in minutes.

Dual Band Advantage

The Wireless AC1000 Dual Band Gigabit Cloud Router delivers dual band performance for intelligent, versatile, interference-free bandwidth. Check your email and surf the Internet on the 2.4GHz band; game and make Skype calls and stream HD videos with less interference on the 5GHz band. Whatever you like to do online, dual band has you covered.

App-Enabled & Cloud Services

D-Link's Cloud Routers also provide the added benefit of remote network management and remote file access via mydlink Cloud Services. Take advantage of everything mydlink Cloud has to offer through the QRS Mobile, mydlink Lite and SharePort™ Mobile apps. With these free mobile apps that are available for iOS and Android devices, you can:

- **mydlink Lite** - Monitor and control your home network from anywhere
- **SharePort™ Mobile** - Stream and share files and media over your home network from virtually any connected USB device
- **QRS Mobile** - Quickly setup your router from your mobile phone or tablet

	DIR-810L	DIR-820L	DIR-850L	DIR-860L	DIR-868L
Performance					
Range					
Wi-Fi	AC750	AC1000	AC1200	AC1200	AC1750
Bands	Dual Band 2.4GHz and 5.0GHz				
Ports	4 x Fast Ethernet	4 x Fast Ethernet	4 x Gigabit Ethernet	4 x Gigabit Ethernet	4 x Gigabit Ethernet
Features					
Ideal for E-mail, Web Browsing and Music Streaming	•	•	•	•	•
Ideal for HD Video	•	•	•	•	•
Ideal for Online Gaming		•	•	•	•
Simultaneous HD Media Streaming					•
Advanced Features					
Wi-Fi Protected Setup	•	•	•	•	•
Remote Network Control and Management	•	•	•	•	•
Local File Sharing and Streaming		•	•	•	•
Enhanced Coverage					•

DIR-820L Wireless AC1000 Dual Band Cloud Router

Technical Specifications

Standards

- 2.4GHz
 - IEEE 802.11n
 - IEEE 802.11g
- 5GHz
 - IEEE 802.11ac (draft)
 - IEEE 802.11n
 - IEEE 802.11a

Physical Interfaces

- 4 Fast Ethernet Ports
- 1 Fast Ethernet WAN Port
- WPS (Wi-Fi Protected Setup) Push Button
- USB 2.0 Port
- Reset Button

Antenna Type

- Internal Antennas

Ethernet Interface

- 4 10/100 Fast Ethernet Ports
- 1 10/100 Fast Ethernet WAN Ports

Security

- Wi-Fi Protected Access (WPA/WPA2)
- WPS™ (Wi-Fi Protected Setup)

Advanced Firewall Features

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)

LEDs

- Power/WPS
- Internet

Power

- DC 12V/2A

Mobile Apps

- SharePort Mobile
- QRS Mobile
- mydlink Lite

Advanced features

- VPN pass through
- Guest Zone Support
- IPv6

Operating Temperature

- 30° to 104° F (0° to 40° C)

Operating Humidity

- 10% to 90% non-condensing

Certifications

- FCC
- IC
- Wi-Fi Certified
- CE

Dimensions

- Item: 4.37 x 3.66 x 5.71 inches
- Box: 10.79 x 8.19 x 4.64

Weight

- Item: 0.642 lbs
- Box: 1.85 lbs

Warranty

- 1-Year Limited Warranty⁶



¹ Latest software and documentation are available at <http://support.dlink.com>.

² Computer must adhere to Microsoft's recommended System Requirements.

³ Maximum wireless signal rate derived from draft IEEE 802.11ac specifications. D-Link makes no warranties as to forward compatibility with future standards or compatibility with draft 802.11ac devices from other manufacturers. 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. Up to 867Mbps wireless speeds achieved when connecting to other 802.11ac devices.

⁴ 24/7 Basic Installation Support is available only in the USA for the first 30 days from date of original purchase.

⁵ 1-Year Limited Warranty available only in the USA and Canada.

⁶ Zero Configuration requires a D-Link Cloud Router and a Zero Configuration-enabled device.

All references to speed and range, including the performance chart, are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted on the package. See inside package for warranty details.

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Building Networks for People