

D-Link DIR-811

D-Link AC1200 DIR-811IN Dual Band Wi-Fi Router User Manual

Model: DIR-811IN

1. INTRODUCTION

This manual provides instructions for setting up, operating, and maintaining your D-Link AC1200 DIR-811IN Dual Band Wi-Fi Router. This device offers high-speed wireless connectivity, supporting both 2.4 GHz and 5 GHz bands for optimal performance across various devices and applications. It is designed to provide reliable network access for homes and small offices.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- D-Link AC1200 DIR-811IN Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide (QIG)

If any items are missing or damaged, please contact your local D-Link reseller.

3. PRODUCT OVERVIEW

3.1 Front Panel

The front panel of the DIR-811IN router features LED indicators that provide status information about the device's operation.



Figure 1: Front view of the D-Link DIR-811IN router, showing the D-Link logo and status LEDs for power, internet, 2.4 GHz Wi-Fi, and 5 GHz Wi-Fi.

- **Power LED:** Indicates power status.
- **Internet LED:** Indicates internet connection status.
- **2.4 GHz Wi-Fi LED:** Indicates activity on the 2.4 GHz wireless network.
- **5 GHz Wi-Fi LED:** Indicates activity on the 5 GHz wireless network.

3.2 Rear Panel

The rear panel contains all the physical ports and buttons for connecting the router to your network and power source.



Figure 2: Rear view of the D-Link DIR-811N router, displaying the WPS button, Reset button, LAN port, WAN port, and DC power input.

- **WPS Button:** Initiates Wi-Fi Protected Setup for easy connection of wireless devices.
- **Reset Button:** Used to restore the router to factory default settings. Press and hold for 10 seconds while the router is powered on.
- **LAN Port (Yellow):** Connects to local network devices such as computers or switches. This is a Fast Ethernet (10/100 Mbps) port.
- **WAN Port (Blue):** Connects to your modem or internet service provider's equipment. This is a Fast Ethernet (10/100 Mbps) port.
- **DC Power Input:** Connects to the provided power adapter.

4. SETUP AND INSTALLATION

4.1 Physical Connection

1. **Position the Router:** Place the router in a central location in your home or office, away from obstructions and devices that may cause interference (e.g., cordless phones, microwave ovens).
2. **Connect to Power:** Plug the power adapter into the DC power input port on the rear of the router and then into a power outlet. Ensure the Power LED on the front panel illuminates.
3. **Connect to Modem:** Connect one end of the provided Ethernet cable to the WAN port (blue) on the router and the other end to the Ethernet port on your modem. Ensure the Internet LED illuminates.
4. **Connect Devices (Optional):** For wired connections, connect an Ethernet cable from the LAN port (yellow) on the router to your computer or other network device.

4.2 Initial Configuration (Web-based Setup Wizard)

After physical connection, configure your router using a web browser:

1. **Connect to the Router:**

- **Wired:** Connect your computer to the router's LAN port using an Ethernet cable.
 - **Wireless:** Connect to the default Wi-Fi network name (SSID) printed on the label at the bottom of the router. The default Wi-Fi password will also be on this label.
2. **Open a Web Browser:** Launch a web browser (e.g., Chrome, Firefox, Edge).
 3. **Access Router Interface:** Type `http://dlinkrouter.local` or the default IP address (usually 192.168.0.1 or 192.168.1.1) into the address bar and press Enter.
 4. **Follow Setup Wizard:** The D-Link setup wizard will guide you through the initial configuration steps, including setting up your internet connection, Wi-Fi network name (SSID), and password.
 5. **Create Admin Password:** It is highly recommended to create a strong administrative password for your router's settings.

5. OPERATING MODES

The D-Link DIR-811IN router supports multiple operating modes to suit various networking requirements:

- **Router Mode:** The standard mode where the device acts as a central hub for your network, providing internet access and managing local network traffic.
- **Access Point (AP) Mode:** Extends an existing wired network by adding wireless connectivity. The router functions as a wireless access point, broadcasting a Wi-Fi signal.
- **Repeater Mode:** Extends the range of an existing wireless network by receiving and re-transmitting the Wi-Fi signal.
- **Client Mode:** Allows wired devices to connect to a wireless network. The router acts as a wireless adapter for a wired device.
- **WISP Client/Repeater Mode:** Connects to a Wireless Internet Service Provider (WISP) network wirelessly and shares the internet connection with local wired and wireless devices.

You can switch between these modes via the router's web-based management interface.

6. ADVANCED CONFIGURATION AND FEATURES

The DIR-811IN offers various advanced features accessible through its web interface:

- **Dual-Band Wireless AC:** Supports 802.11a/b/g/n/ac standards, providing speeds of up to 300 Mbps on 2.4 GHz and 867 Mbps on 5 GHz for a combined AC1200 speed. This allows for seamless performance, with the 5 GHz band ideal for high-bandwidth activities like video streaming and online gaming, and the 2.4 GHz band for general browsing and wider coverage.
- **Security Protocols:** Advanced security features include WPA/WPA2 encryption to protect your wireless network. The router also supports firewall functions such as NAT, SPI, IP Filter, MAC Filter, and DMZ for enhanced network protection.
- **Quality of Service (QoS):** Allows you to prioritize network traffic, ensuring that critical applications (e.g., video calls, gaming) receive sufficient bandwidth. You can also set bandwidth limitations for individual clients.
- **IPv6 Support:** The router is compatible with the latest Internet Protocol version 6.
- **TR-069:** Supports remote management for service providers.
- **VLAN:** Virtual Local Area Network support for network segmentation.
- **Static Routing:** Configures fixed routes for network traffic.



Figure 3: Depiction of the D-Link DIR-8111N router providing high-speed internet connections for multiple users engaged in activities like streaming and online gaming.

7. MAINTENANCE

- **Firmware Updates:** Regularly check the D-Link support website for firmware updates. Updating the firmware can improve performance, add new features, and fix security vulnerabilities.
- **Router Placement:** Ensure the router is placed in an open area, away from walls and large metal objects, to maximize Wi-Fi coverage.
- **Cleaning:** Keep the router clean and free from dust to prevent overheating. Use a soft, dry cloth.
- **Restarting:** Periodically restarting the router can help resolve minor network issues and improve performance.

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*WIRELESS COVERAGE MENTIONED IS FOR REFERENCE PURPOSE ONLY, ENVIRONMENTAL FACTORS WILL ADVERSELY AFFECT WIRELESS SIGNAL RANGE.

Figure 4: Illustrative diagram demonstrating optimal placement of the D-Link DIR-811IN router within a typical home layout to achieve effective wireless coverage.

8. TROUBLESHOOTING

If you encounter issues with your D-Link DIR-811IN router, consider the following common troubleshooting steps:

- **No Internet Connection:**

- Check if the WAN port cable is securely connected to both the router and the modem.
- Ensure your modem is working correctly and has an active internet connection.
- Restart both your modem and router.
- Verify your internet settings in the router's web interface.

- **Cannot Connect to Wi-Fi:**

- Ensure the Wi-Fi LEDs on the router are illuminated.
- Verify you are using the correct Wi-Fi network name (SSID) and password.
- Try restarting the router.

- Check your device's Wi-Fi settings.

- **Slow Wi-Fi Speed:**

- Ensure the router is placed optimally, away from interference.
- Check if too many devices are connected or if bandwidth-intensive applications are running.
- Consider using the 5 GHz band for devices that support it, as it generally offers higher speeds and less interference.
- Update router firmware.

- **Cannot Access Router Web Interface:**

- Ensure your device is connected to the router (wired or wirelessly).
- Verify you are typing the correct address (<http://dlinkrouter.local> or 192.168.0.1).
- Try clearing your browser's cache or using a different browser.
- If you forgot the admin password, you may need to perform a factory reset (see Section 3.2).

For more detailed troubleshooting, refer to the official D-Link support resources or the [Troubleshooting Guide \(PDF\)](#) available online.

9. SPECIFICATIONS

Feature	Detail
Brand	D-Link
Model Name	DIR-811IN
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Wireless Standards	802.11a/b/g/n/ac
Data Transfer Rate	Up to 1200 Mbps (300 Mbps on 2.4 GHz, 867 Mbps on 5 GHz)
Ethernet Ports	1x Fast Ethernet WAN, 1x Fast Ethernet LAN (10/100 Mbps)
Antennas	2 External Antennas
Security Protocol	WPA2-PSK, WPA/WPA2, NAT, SPI, IP Filter, MAC Filter, DMZ
Special Features	Access Point Mode, QoS, WPS, IPv6, TR-069, VLAN, Static Routing
Control Method	Web-based UI, App
Dimensions (L x W x H)	12.3L x 12.3W x 2.6H Centimeters
Item Weight	117 Grams
Operating System Compatibility	Windows (and other OS via web browser)

10. WARRANTY INFORMATION

The D-Link AC1200 DIR-811IN Dual Band Wi-Fi Router comes with a **3 Years Brand Warranty**. Please retain your purchase receipt for warranty claims. For detailed terms and conditions, refer to the warranty documentation included with your product or visit the official D-Link website.

11. SUPPORT

For technical assistance, product inquiries, or customer service, please use the following resources:

- **D-Link Official Website:** Visit [D-Link India](#) for support documents, FAQs, and driver downloads.
- **WhatsApp Support:** You can reach D-Link customer support via WhatsApp at [+91-9158163888](#).
- **Troubleshooting Guide:** An additional [Troubleshooting Guide \(PDF\)](#) is available for download.



Figure 5: Image illustrating D-Link Customer Support availability via WhatsApp, with a QR code and contact number for easy access.