

D-Link DIR-655

D-Link DIR-655 Xtreme N Wireless Router Instruction Manual

Model: DIR-655

Brand: D-Link

1. PRODUCT OVERVIEW

The D-Link DIR-655 Xtreme N Gigabit Router is an IEEE 802.11n (draft) compliant device designed to deliver faster speeds and extended range compared to IEEE 802.11g, while maintaining backward compatibility with IEEE 802.11g and IEEE 802.11b devices. This router enables high-speed internet access for multiple computers, game consoles, and media players when connected to a cable or DSL modem. It facilitates the creation of a secure wireless network for sharing photos, files, music, videos, printers, and network storage.

2. SETUP GUIDE

Follow these steps to set up your D-Link DIR-655 Xtreme N Wireless Router:

2.1. Unpacking and Placement

- Carefully remove all items from the packaging.
- Place the router in a central location in your home or office for optimal wireless coverage. Avoid placing it near large metal objects, concrete walls, or devices that emit radio frequency interference (e.g., microwave ovens, cordless phones).
- Ensure proper ventilation around the router.

2.2. Hardware Connection

1. **Connect the Antennas:** Attach the three external antennas to the connectors on the back of the router. Ensure they are securely tightened.

2. **Connect to Modem:**

- Power off your cable or DSL modem.
- Connect one end of an Ethernet cable to the Internet (WAN) port on the back of the DIR-655 router.
- Connect the other end of this Ethernet cable to the Ethernet port on your cable or DSL modem.
- Power on your modem and wait for its indicator lights to stabilize (usually indicating an active internet connection).

3. **Connect Power:** Plug the power adapter into the power port (12V==2A) on the back of the router, then plug the other end into a wall outlet or power strip. The power LED on the front of the router should illuminate.
4. **Connect Devices (Optional Wired):** For wired connections, connect Ethernet cables from your computers or other network devices to any of the four LAN ports (1-4) on the back of the router.



Figure 1: Rear view of the D-Link DIR-655 router, highlighting the LAN, Internet, USB, Reset, and Power ports, along with the three external antennas.



Figure 2: Front view of the D-Link DIR-655 router, displaying the D-Link logo and various status indicator lights.

2.3. Initial Configuration (Wireless)

To connect wirelessly and configure your router:

1. **Find Network Name (SSID):** Look for the Wi-Fi network name (SSID) printed on a label on the bottom or back of your router.
2. **Connect to Wi-Fi:** On your computer or mobile device, search for available Wi-Fi networks and select the SSID of your D-Link DIR-655.

3. **Enter Password:** Enter the Wi-Fi password (also known as the network key or passphrase) found on the same label as the SSID.
4. **Access Router Interface:** Open a web browser and type `http://dlinkrouter.local` or `192.168.0.1` (default IP address) into the address bar.
5. **Login:** Enter the default username (usually `admin`) and password (often blank or `admin`). Refer to your router's label for default login credentials.
6. **Run Setup Wizard:** Follow the on-screen instructions of the D-Link setup wizard to configure your internet connection and personalize your Wi-Fi network name and password.

3. OPERATING INSTRUCTIONS

The D-Link DIR-655 is designed for high-performance wireless networking:

- **Wireless N Technology:** Utilizes IEEE 802.11n (draft) for enhanced speed and range, ideal for streaming HD video, online gaming, and large file transfers.
- **Gigabit Ethernet Ports:** Four LAN ports provide 10x faster wired connections than standard Ethernet, ensuring high-speed data transfer for connected devices.
- **Dual-Band Support:** The router supports dual-band operation, allowing for flexible network configurations and reduced interference.
- **Multiple Antennas:** Three external antennas help to optimize wireless signal strength and coverage throughout your home or office.
- **USB SharePort:** The USB port allows you to connect a USB storage device or printer and share it across your network.

4. MAINTENANCE

To ensure optimal performance and longevity of your router:

- **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.
- **Physical Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation holes are not blocked.
- **Restart Periodically:** Restarting your router every few weeks can help clear its memory and resolve minor network issues, improving overall performance.
- **Secure Placement:** Ensure the router is placed in a secure location where it won't be easily knocked over or exposed to extreme temperatures or moisture.

5. TROUBLESHOOTING

If you encounter issues with your D-Link DIR-655 router, try these common troubleshooting steps:

- **No Internet Connection:**
 - Check all cable connections (power, Ethernet to modem, Ethernet to devices).
 - Restart your modem, then your router, and then your connected devices.
 - Verify your internet service provider (ISP) connection is active.
- **Slow Wireless Speed:**
 - Ensure your devices are within optimal range of the router.
 - Minimize interference from other electronic devices.

- Consider changing your Wi-Fi channel in the router settings to avoid congestion.
- Update your device's wireless drivers.

- **Cannot Access Router Settings:**

- Ensure your device is connected to the router's network (wired or wireless).
- Try using the default IP address 192.168.0.1 or <http://dlinkrouter.local>.
- Clear your browser's cache and cookies, or try a different browser.
- If you forgot your password, perform a factory reset (see below).

- **Factory Reset:** To restore the router to its factory default settings, locate the "Reset" button on the back of the router. With the router powered on, use a paperclip or similar pointed object to press and hold the reset button for about 10 seconds. Release the button and wait for the router to restart. **Note:** This will erase all custom settings, including your Wi-Fi name and password.

6. SPECIFICATIONS

Feature	Detail
Model Name	DIR-655
Wireless Type	802.11n
Brand	D-Link
Item Model Number	DIR-655/E
Operating System	ZyNOS
Item Weight	2.65 ounces (75 Grams)
Product Dimensions	47.44 x 77.95 x 12.6 inches
Voltage	110 Volts
Special Feature	WPS
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11n
Compatible Devices	Gaming Console, Printer
Recommended Uses	Business, Gaming, Home
Connectivity Technology	Ethernet
Antenna Type	Fixed

7. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official D-Link website or the documentation included with your product. You can also visit the D-Link support portal for FAQs, firmware downloads, and contact options.

Online Support: www.dlink.com/support

