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Dionlink LT15F

Dionlink LT15F 4G LTE CPE Wireless WiFi Router Instruction Manual

Model: LT15F

1. Product Overview

The Dionlink LT15F is a 4G LTE CPE Wireless WiFi Router designed to provide internet access by converting a 4G LTE signal into a Wi-Fi hotspot. It supports download speeds up to 150 Mbps and upload speeds up to 50 Mbps, with wireless transfer rates of 300 Mbps. This device is compatible with AT&T and T-Mobile networks.



Image 1.1: Front view of the Dionlink LT15F router, showcasing its four external antennas.

Key Features:

- **4G LTE Compatibility:** Supports frequency bands B2/B3/B4/B5/B7/B8/B12/B13/B17/B25/B26/B66/B41 (WCDMA: B2/B4/B5/B8). Fully compatible with AT&T and T-Mobile.
- **High-Speed Connectivity:** Up to 150 Mbps download and 50 Mbps upload speeds.
- **WiFi Hotspot:** Converts 4G LTE to a 300 Mbps WiFi hotspot.
- **Device Support:** Connects up to 32 devices simultaneously.
- **Wide Coverage:** Provides coverage up to 300 square meters.
- **Enhanced Performance:** Four-antenna design for improved signal coverage and network speed.

2. Package Contents

Verify that all items are present in the package:

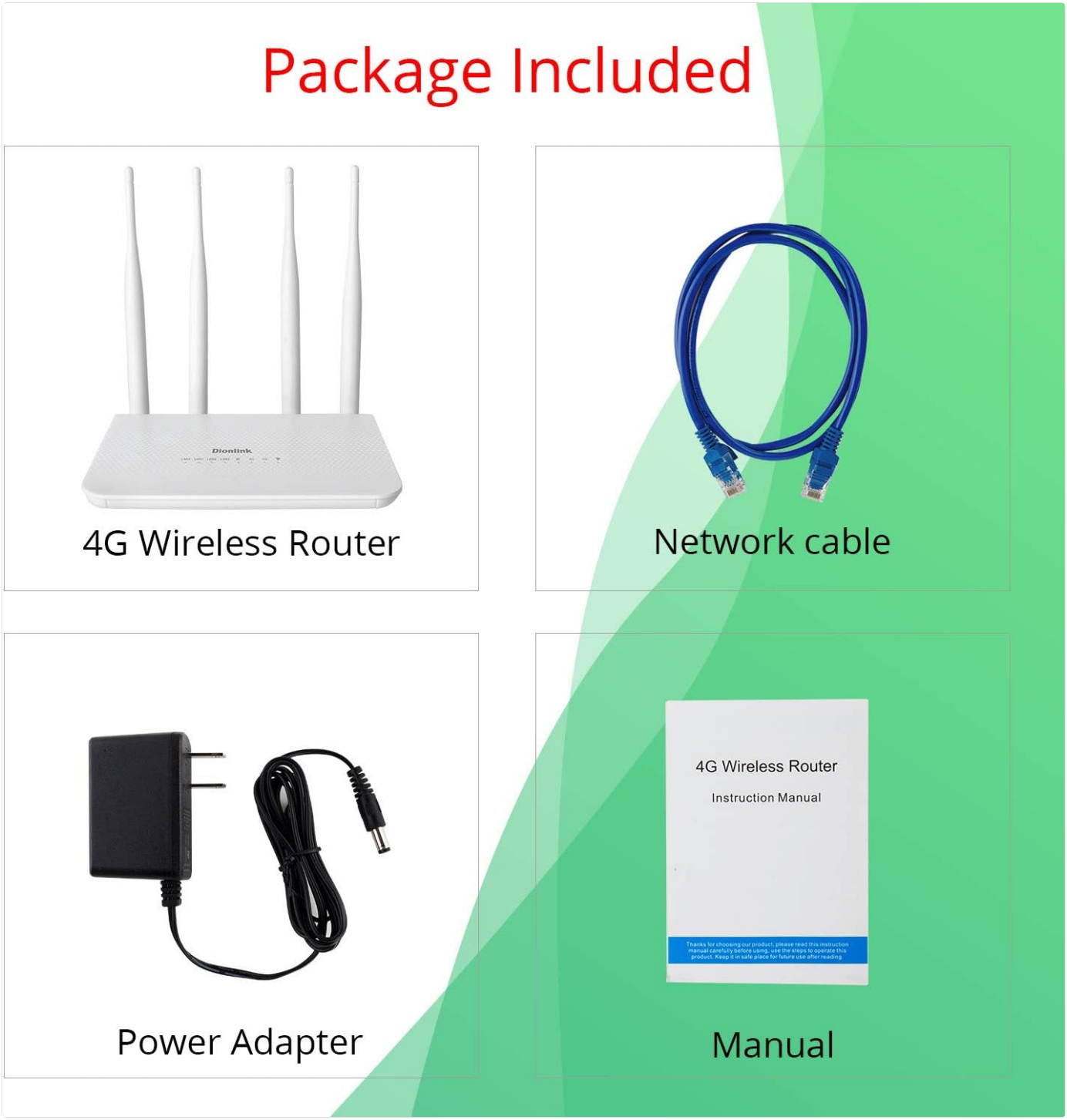


Image 2.1: Illustration of the items included in the product package: the 4G Wireless Router, a network cable, a power adapter, and the instruction manual.

- Dionlink LT15F 4G Wireless Router
- Network Cable
- Power Adapter
- Instruction Manual

3. Setup

3.1 SIM Card Installation

The router requires a standard-sized SIM card for 4G LTE connectivity. Ensure the SIM card is activated with a compatible carrier (T-Mobile or AT&T).

1. Locate the SIM card slot on the side of the router.
2. Insert the standard SIM card with the chip facing down and the corner inward, as indicated in the diagram.
3. To remove the SIM card, gently press it inward. The SIM card will pop out slightly, allowing you to pull it out.

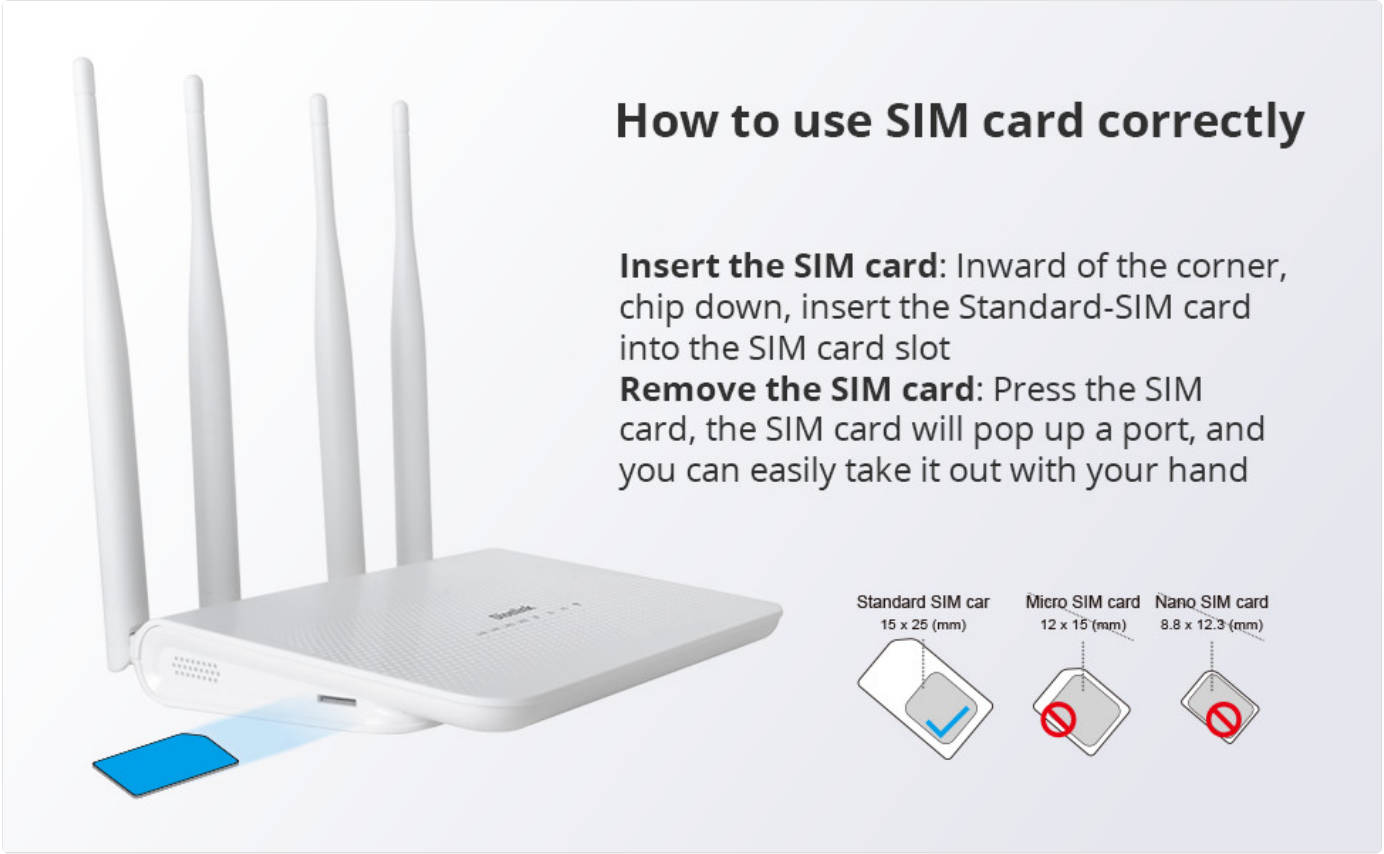


Image 3.1: Visual guide for SIM card insertion, highlighting the correct orientation for a standard SIM card and illustrating the sizes of Micro and Nano SIM cards which are not compatible.

3.2 Physical Connections

Identify the ports on the back of the router:



Image 3.2: Detailed view of the router's rear panel, labeling the DC power port, RESET button, four LAN ports (1-4), and the Micro-SIM card slot.

1. **Connect Power:** Plug the power adapter into the DC Port on the router and then into a power outlet.
2. **Connect LAN Devices (Optional):** If you wish to connect wired devices, use an Ethernet cable to connect them to any of the LAN 1-4 ports.

3.3 Initial Power On

Once the SIM card is inserted and power is connected, the router will automatically power on. Allow a few minutes for the device to boot up and establish a 4G LTE connection. The indicator lights on the router will show its status.

4. Operating Instructions

4.1 Connecting to Wi-Fi

After the router has powered on and established a 4G connection, it will broadcast a Wi-Fi network.

1. On your device (phone, tablet, PC), search for available Wi-Fi networks.
2. Select the network name (SSID) corresponding to your Dionlink router. The default SSID and password are usually printed on a label on the bottom of the router.
3. Enter the Wi-Fi password when prompted.
4. Once connected, your device should have internet access.

4.2 Configuring APN Settings

In some cases, manual configuration of the Access Point Name (APN) may be required for internet access, especially if the automatic settings do not work. This is typically done via the router's web interface.

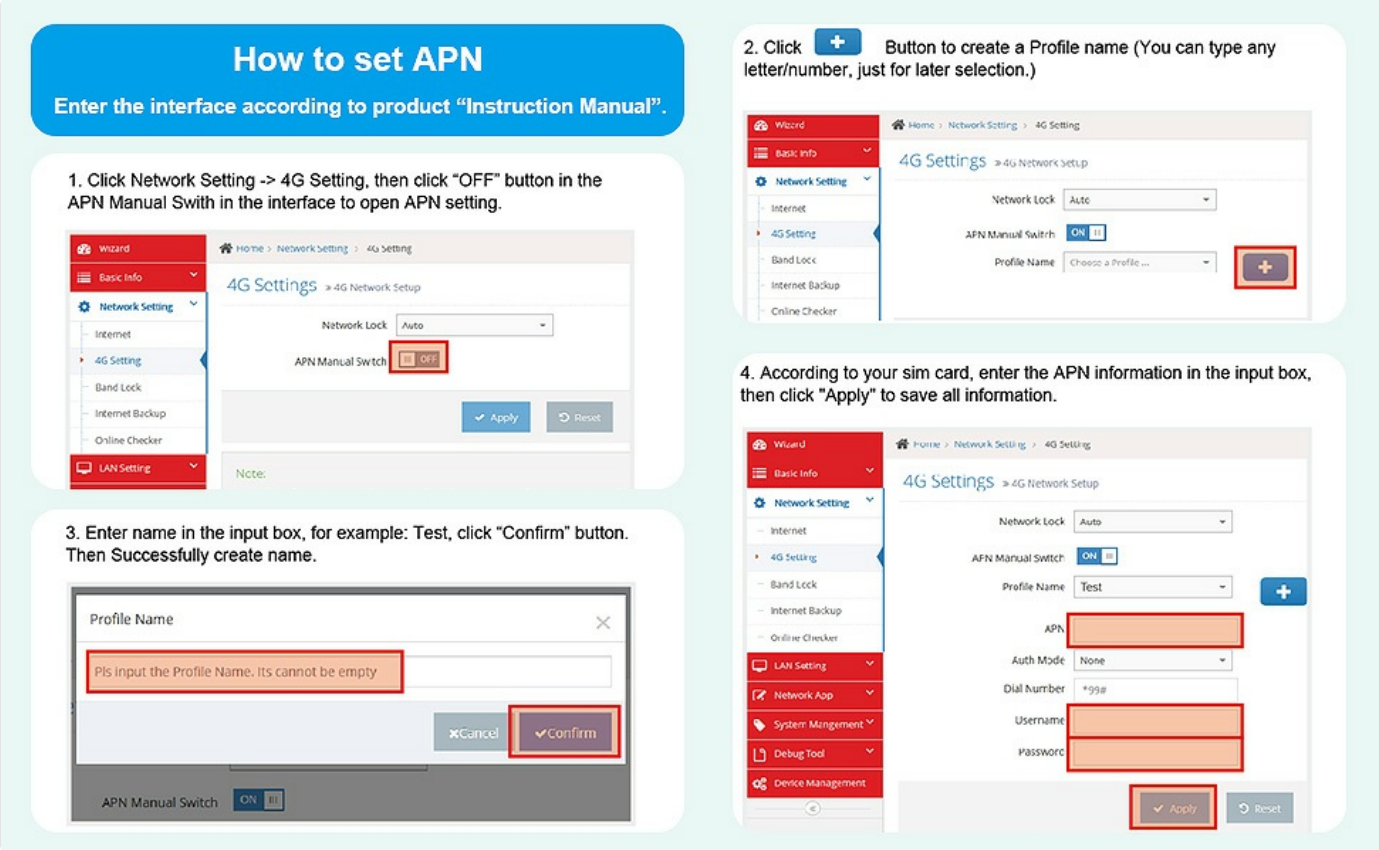


Image 4.1: Step-by-step guide with screenshots for configuring APN settings through the router's web management interface.

1. Connect your device to the router's Wi-Fi network or via an Ethernet cable.
2. Open a web browser and enter the router's default IP address (e.g.,192.168.1.1 or 192.168.0.1). Refer to the router's label for the exact IP address and login credentials.
3. Log in to the router's web interface.
4. Navigate to **Network Setting** > **4G Setting**.
5. Locate the "APN Manual Switch" and turn it **ON**.
6. Click the **+** button to create a new profile.
7. Enter a profile name (e.g., "T-Mobile APN").
8. Enter the APN information provided by your SIM card carrier (e.g., for T-Mobile, it might be fast.t-mobile.com). You may also need to enter a username and password if required by your carrier.
9. Click **Apply** or **Save** to save the settings.
10. The router may restart. After restarting, check if internet access is restored.

5. Maintenance

- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth for cleaning.
- **Ventilation:** Ensure the router is placed in a well-ventilated area to prevent overheating. Do not cover ventilation openings.
- **Firmware Updates:** Periodically check the manufacturer's website for any available firmware updates to ensure optimal performance and security.
- **Power Cycle:** If you experience connectivity issues, try power cycling the router by unplugging it from the power source for 10 seconds and then plugging it back in.

6. Troubleshooting

- **No Internet Access:**
  - Ensure the SIM card is correctly inserted and activated.
  - Verify APN settings (refer to Section 4.2).
  - Check the signal strength indicator on the router. If the signal is weak, try relocating the router.
  - Confirm your SIM card plan includes data and is not expired.
- **Slow Internet Speed:**
  - Check 4G signal strength.
  - Reduce the number of connected devices.
  - Ensure no background applications are consuming excessive bandwidth.
  - Perform a speed test directly connected to the router via Ethernet to rule out Wi-Fi interference.
- **Wi-Fi Disconnections:**
  - Try changing the Wi-Fi channel in the router's settings to avoid interference.
  - Ensure the router is not placed near other electronic devices that might cause interference.
  - Update router firmware if available.
- **Router Unresponsive / Factory Reset:**
  - If the router becomes unresponsive, use a paperclip or similar pointed object to press and hold the RESET button (refer to Image 3.2) for about 10 seconds while the router is powered on. This will restore the router to its factory default settings. *Note: All custom configurations, including Wi-Fi name and password, will be lost.*

7. Specifications

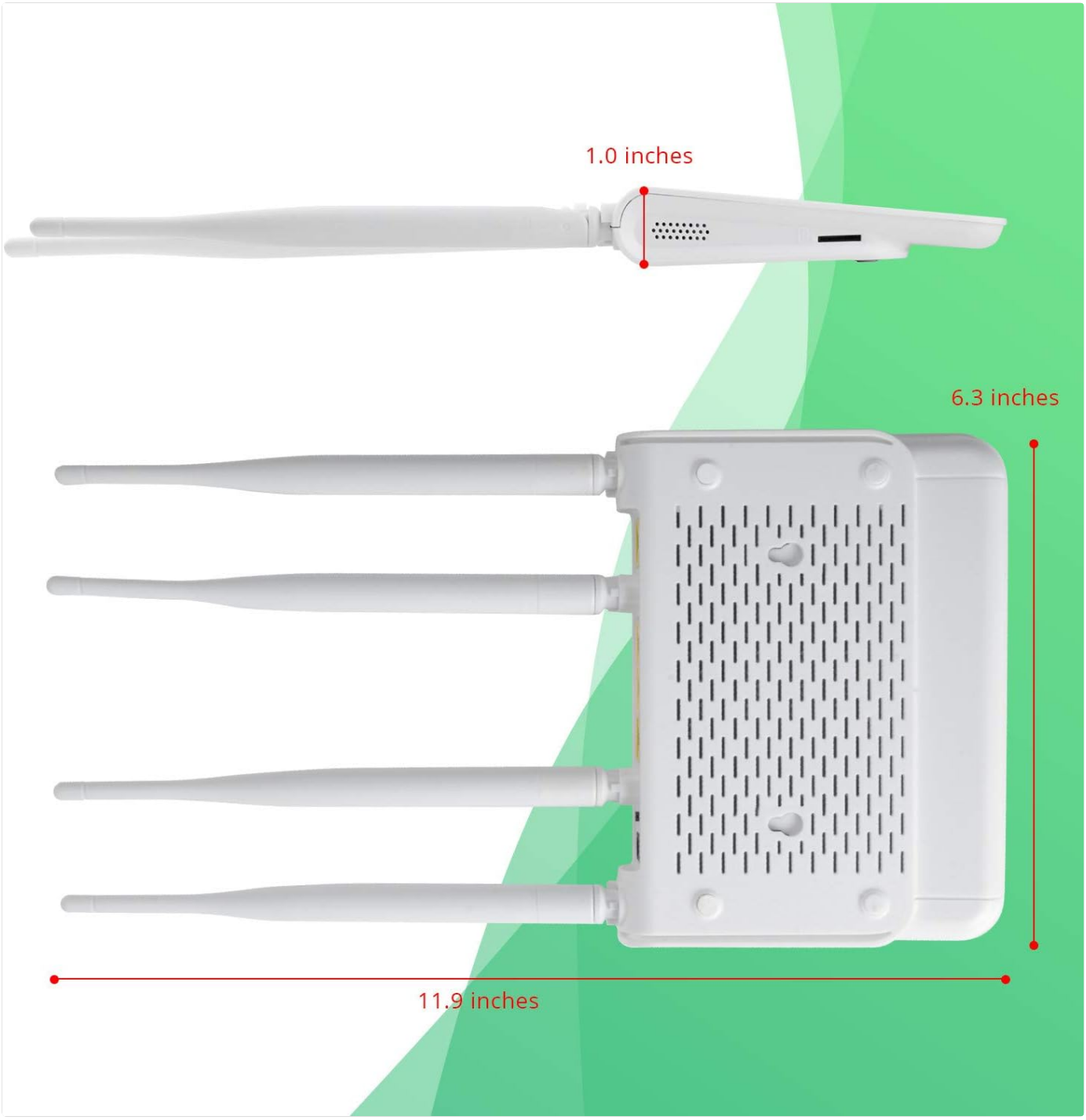


Image 7.1: Diagram illustrating the physical dimensions of the Dionlink LT15F router.

Feature	Detail
Model Number	LT15F
Product Dimensions	11.9 x 1 x 6.3 inches
Item Weight	6.8 ounces
Brand	Dionlink
Connectivity Technology	LTE, Wi-Fi
Wireless Communication Standard	802.11b, 802.11g, 802.11n
Frequency Band Class	Single-Band

Antenna Type	Retractable (4 antennas)
Special Feature	WPS
Compatible Devices	Personal Computer, Tablet
Recommended Uses	Business, Gaming, Home

8. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or contact Dionlink customer service directly. Contact details can typically be found on the manufacturer's official website or on the product packaging.

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