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### LifflyLadys CF-WR302S

# LifflyLadys CF-WR302S Wireless Router Repeater User Manual

Model: CF-WR302S



## 1. INTRODUCTION

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Thank you for choosing the LifflyLadys CF-WR302S Wireless Router Repeater. This device is designed to provide versatile network connectivity, functioning as a router, a Wi-Fi repeater, or a wireless bridge. It extends your wireless network coverage and enhances signal strength, ensuring a stable internet connection throughout your home or office.





Figure 1: The LifflyLadys CF-WR302S Wireless Router Repeater, a compact black device with four external antennas and indicator lights on the front panel.

## 2. SAFETY INFORMATION

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- Do not expose the device to water, fire, high temperatures, or humid environments.
- Do not attempt to disassemble, repair, or modify the device.
- Use only the power adapter provided or recommended by the manufacturer.
- Keep the device away from strong electromagnetic fields.
- Ensure proper ventilation around the device to prevent overheating.

## 3. PRODUCT OVERVIEW

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### 3.1 Package Contents

Upon opening the package, please verify that all items are present and in good condition:

- 1 x CF-WR302S Repeater
- 1 x Installation Guide
- 1 x Ethernet Cable
- 1 x Warranty Card

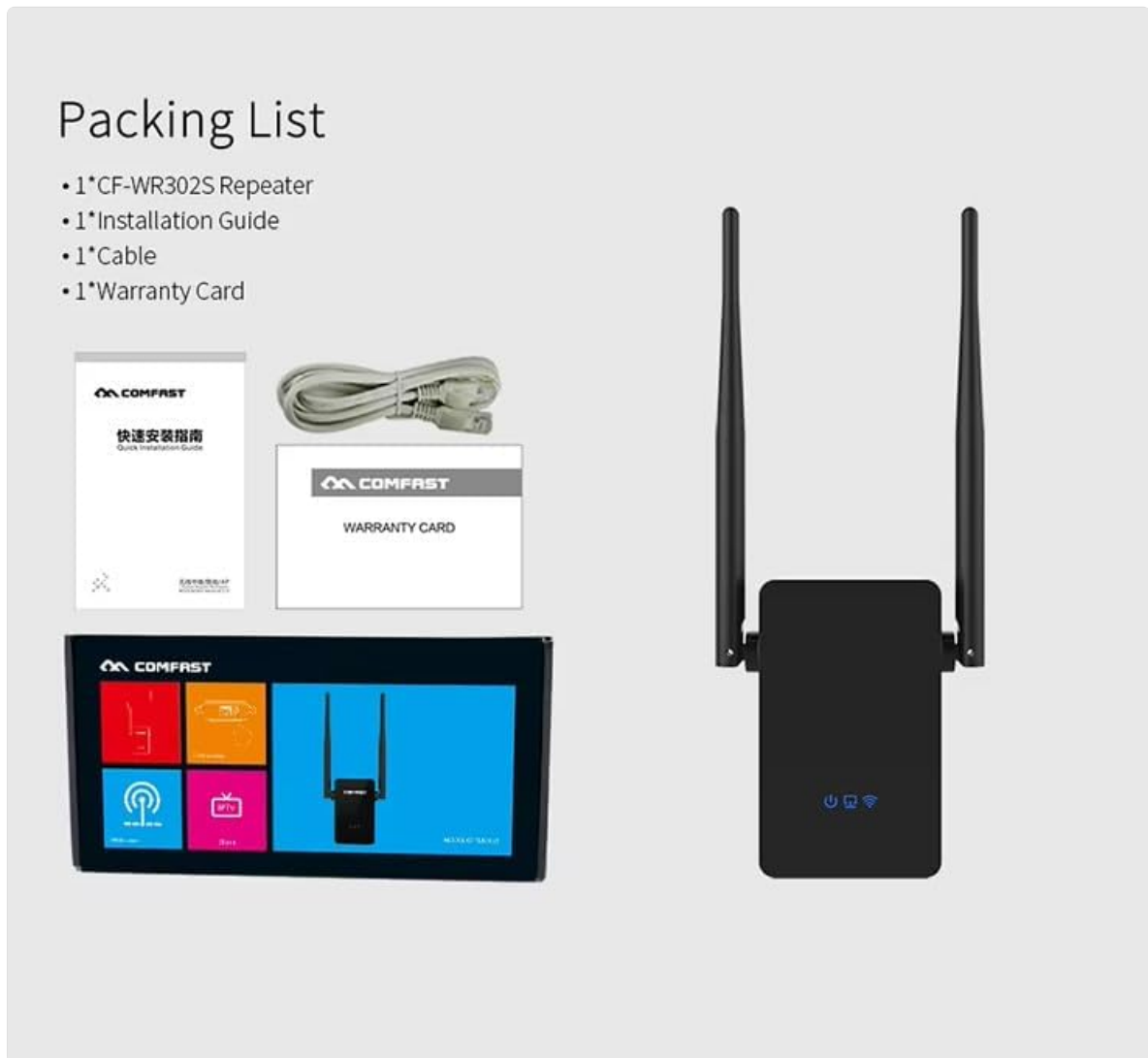


Figure 2: Contents of the CF-WR302S package, including the repeater unit, an installation guide, an Ethernet cable, and a warranty card.

## 3.2 Device Components

## Simple Design&Delicate Crafts

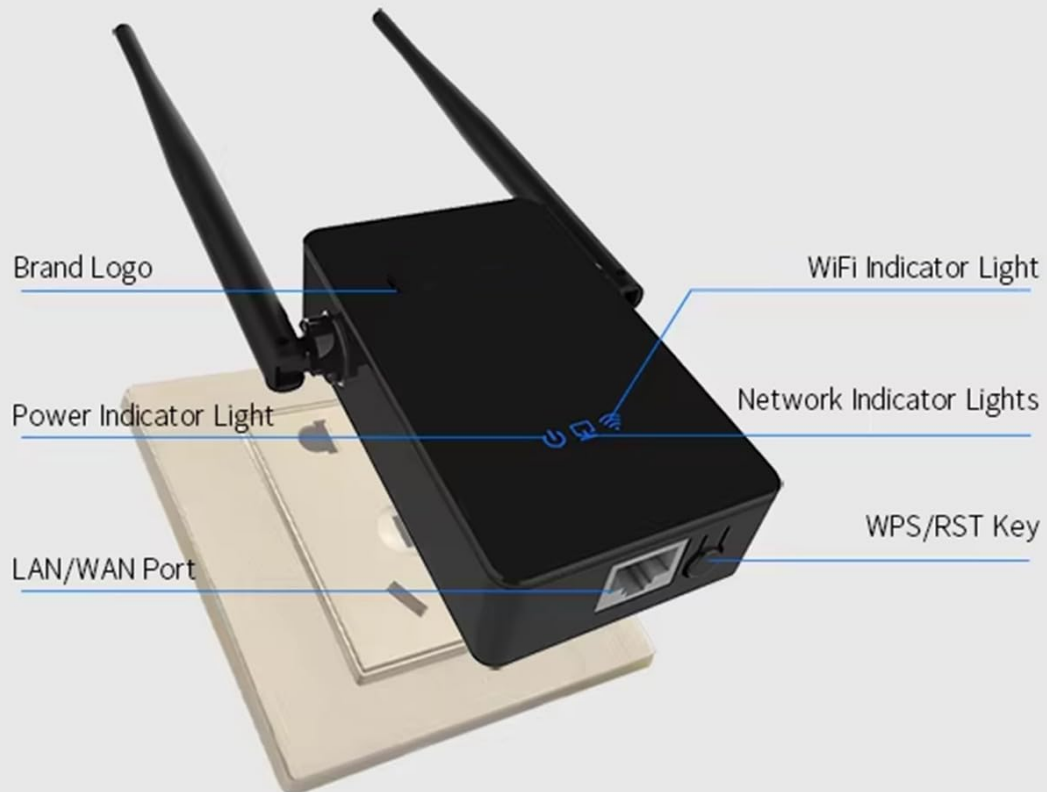


Figure 3: Labeled diagram of the CF-WR302S showing its key components: Brand Logo, Power Indicator Light, LAN/WAN Port, WiFi Indicator Light, Network Indicator Lights, and WPS/RST Key.

- **Power Indicator Light:** Indicates the power status of the device.
- **WiFi Indicator Light:** Shows the status of the wireless network.
- **Network Indicator Lights:** Indicate activity on the LAN/WAN port.
- **LAN/WAN Port:** Used for connecting to a modem, router, or wired devices.
- **WPS/RST Key:** Press briefly for WPS function; press and hold for 5-8 seconds to reset the device to factory settings.
- **Antennas:** Four external 5dBi fixed antennas for enhanced signal coverage.



Figure 4: The CF-WR302S device highlighting its 300Mbps speed and 2\*5dBi fixed antennas, shown with both US and EU plug types.

## 4. SETUP AND INSTALLATION

### 4.1 Powering On

1. Plug the CF-WR302S into a standard electrical outlet.
2. Wait for the Power Indicator Light to turn solid, indicating the device is powered on.

### 4.2 Initial Configuration

The CF-WR302S can be configured via a web browser. Connect your computer or mobile device to the repeater's default Wi-Fi network (SSID usually starts with "Wireless-N" or similar, check the device label for exact details) or connect via an Ethernet cable to the LAN/WAN port.

1. Connect your device to the repeater's Wi-Fi network (e.g., "Wireless-N\_XXXX") or connect an Ethernet cable from your computer to the repeater's LAN/WAN port.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. Enter the default IP address (e.g., 192.168.10.1 or 192.168.1.254, refer to the installation guide or device label) into the address bar and press Enter.

4. Enter the default username and password (usually admin for both, refer to the installation guide).
5. Follow the on-screen Quick Setup Wizard to select your desired operating mode (Repeater, Router, or AP) and configure network settings.

## 5. OPERATING MODES

The CF-WR302S supports multiple operating modes to suit various networking needs:

### Wall-Through WiFi Extender

CF-WR302S is Built-in Dual Realtek Chipset, which ensure strong signal from the CPU. It is with dual external 5dBi Antenna, It can be going through very well and extend wifi coverage to long distance.



Figure 5: Diagram illustrating the three primary functions of the device: AP Mode (access point), Repeater Mode (extending Wi-Fi), and Router Mode (creating a new network from a modem).

#### 5.1 Repeater Mode (Range Extender)

In Repeater Mode, the device extends the coverage of an existing wireless network. It receives the wireless signal from your main router and re-transmits it, effectively eliminating Wi-Fi dead zones.

- Ideal for large homes or offices where the existing Wi-Fi signal is weak in certain areas.
- Connects wirelessly to your main router.
- Creates a new Wi-Fi network with the same or a different SSID.

#### 5.2 Router Mode

In Router Mode, the device acts as a primary wireless router. It connects to a modem via an Ethernet cable and creates a new private wireless network for all your devices.

- Suitable for setting up a new network from a broadband modem.
- Provides DHCP services and network address translation (NAT).

### 5.3 AP Mode (Access Point)

In AP Mode, the device transforms a wired network connection into a wireless one. It connects to an existing wired router or network switch via an Ethernet cable and broadcasts a new Wi-Fi signal.

- Useful for adding wireless capability to a wired-only network.
- Does not provide routing or DHCP services; relies on the main router for these functions.

### 5.4 Wall-Through WiFi Extender Feature

The CF-WR302S features a built-in Dual Realtek Chipset and dual external 5dBi antennas, designed to provide strong signal penetration through walls and extend Wi-Fi coverage over long distances.

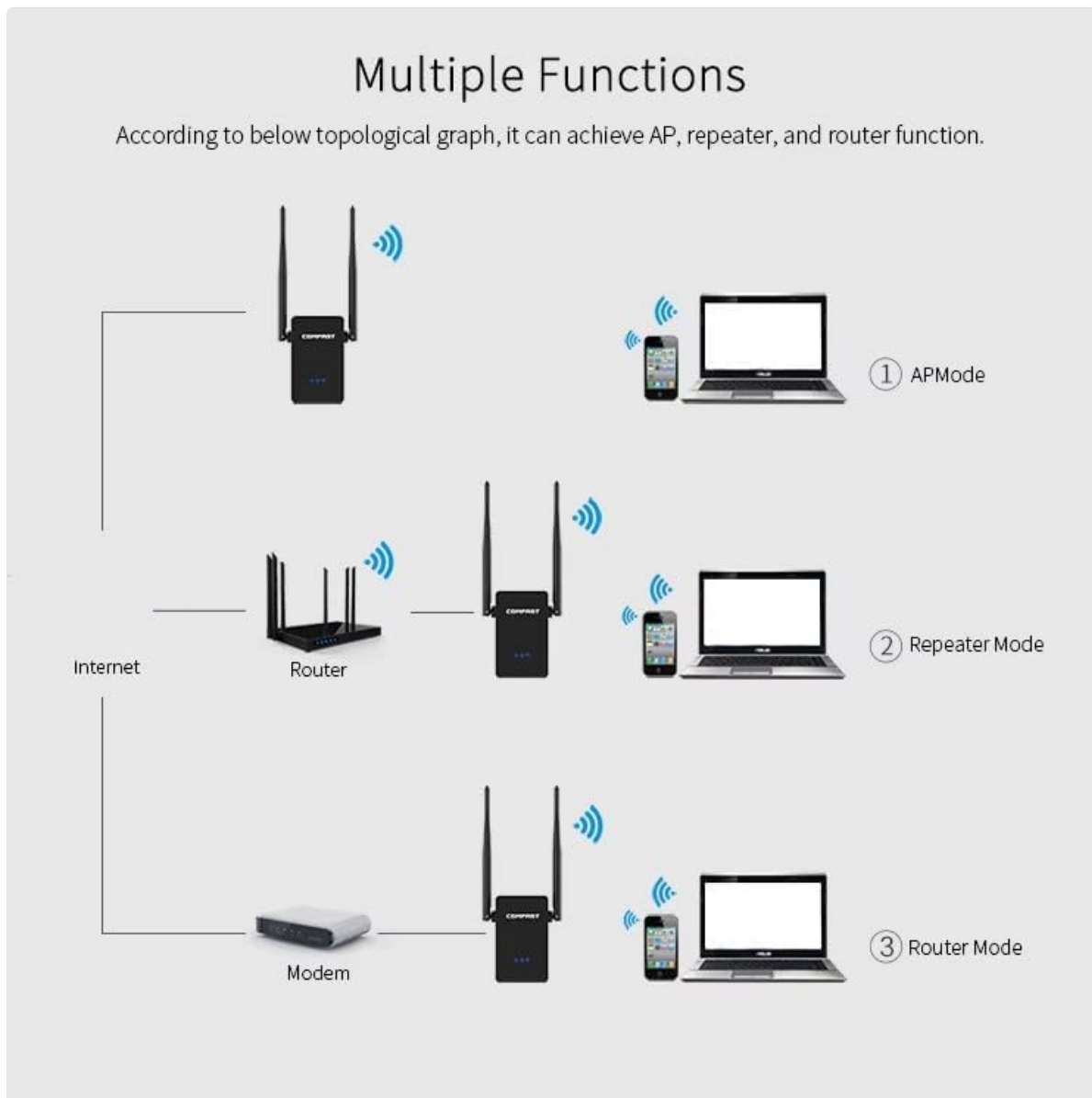


Figure 6: Diagram illustrating the wall-through capability of the CF-WR302S, showing how its strong signal can penetrate obstacles within a building to extend Wi-Fi coverage.

## 6. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates to ensure optimal performance and security.
- **Placement:** Place the device in a central location, away from obstructions and sources of interference (e.g., microwaves, cordless phones).

## 7. TROUBLESHOOTING

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### 7.1 No Power

- Ensure the power adapter is securely plugged into the device and the electrical outlet.
- Try a different electrical outlet.

### 7.2 Cannot Access Web Management Page

- Verify your device is connected to the repeater's Wi-Fi network or via Ethernet cable.
- Ensure you are using the correct IP address (e.g., 192.168.10.1).
- Clear your browser's cache and cookies, or try a different browser.
- Temporarily disable any firewall or antivirus software.

### 7.3 No Internet Connection in Repeater Mode

- Ensure the repeater is within range of your main router's Wi-Fi signal.
- Verify the Wi-Fi password entered for the main router is correct during setup.
- Restart both the main router and the repeater.
- Try repositioning the repeater closer to the main router.

### 7.4 Forgot Login Password or Wi-Fi Password

- Press and hold the WPS/RST button for 5-8 seconds until the lights flash, then release. This will reset the device to factory default settings. You will then need to reconfigure it.

## 8. SPECIFICATIONS

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Feature	Detail
Model Number	CF-WR302S
Brand	LifflyLadys
Wireless Communication Standard	802.11a/b/g/n/ac
Data Transfer Rate	300 Megabits Per Second
Special Feature	Wall-through
Connector Type	USB 2.0 (likely for power, not data)

Item Weight	1.54 pounds
Package Dimensions	7.87 x 3.94 x 1.97 inches
Country of Origin	China

## 9. WARRANTY AND SUPPORT

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The LifflyLadys CF-WR302S comes with a standard warranty as detailed on the included Warranty Card. Please refer to the card for specific terms and conditions, including warranty period and coverage.

For technical support, troubleshooting assistance, or warranty claims, please contact LifflyLadys customer service through the contact information provided in your product packaging or on the official LifflyLadys website.

Please retain your proof of purchase for warranty purposes.

