Cudy RE750

Cudy AC750 Dual Band WiFi Range Extender User Manual

Model: RE750 | Brand: Cudy

1. Introduction

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Cudy AC750 Dual Band WiFi Range Extender (Model RE750). This device is designed to boost your existing Wi-Fi coverage, eliminate dead zones, and provide reliable network access across greater distances.

Key Features:

- **Boost Wi-Fi Coverage:** Utilizes two external high-gain antennas for enhanced reception and sensitivity, extending Wi-Fi range and penetrating walls and floors.
- **High Performance Dual Band Wi-Fi:** Extends reliable Wi-Fi to various devices including smart home devices, smartphones, and gaming consoles on both 2.4GHz and 5GHz bands.
- **Wired Device Connectivity:** Features two Ethernet ports to connect wired devices such as PCs, multimedia players, gaming consoles, and smart TVs.
- **Easy Setup & Flexible Placement:** Compatible with any router or gateway, offering easy setup via WPS button and smart signal indicators for optimal placement.
- **3-in-1 Functionality:** Operates as a Range Extender, Access Point, or Router, providing versatile networking solutions.

2. Package Contents

Verify that all items are present in your package:

- Cudy AC750 Dual Band WiFi Range Extender (RE750)
- Ethernet Cable
- Quick Installation Guide



Image: The package contents including the Cudy AC750 Extender unit, an Ethernet cable, and the Quick Installation Guide.

3. Product Overview

Physical Appearance and Indicators:



Image: Front view of the Cudy AC750 Extender, showing the WPS button and LED indicators for Wi-Fi, WAN/LAN, LAN, and Power/WPS.

- **Wi-Fi LED:** Indicates Wi-Fi status (on/off, blinking for activity).
- **WAN/LAN LED:** Indicates connection status for the WAN/LAN port.
- **LAN LED:** Indicates connection status for the LAN port.
- **Power/WPS LED:** Indicates power status and WPS activity.
- **WPS Button:** Used for quick, secure connection to a router.

Ports and Switches:



Image: Side view of the Cudy AC750 Extender, highlighting the mode switch with options for ON/OFF, Access Point, Repeater, and Router.

- **Mode Switch:** Allows selection between Repeater, Access Point, and Router modes.
- **Ethernet Ports (x2):** For wired connections to devices or an internet source.



Image: The Cudy AC750 Extender with an Ethernet cable plugged into one of its LAN ports, demonstrating its wired connectivity feature.

4. Setup Instructions

The Cudy RE750 offers multiple setup methods. Choose the one that best suits your needs.

4.1. Quick Setup via WPS Button (Recommended for Repeater Mode)

1. Plug the RE750 into an electrical outlet near your main router.
2. Wait for the Power/WPS LED to turn solid blue.
3. Press the WPS button on your main router.
4. Within two minutes, press the WPS button on the RE750.
5. Wait for the Wi-Fi LED on the RE750 to turn solid blue, indicating a successful connection.

6. Relocate the RE750 to a suitable location between your router and the Wi-Fi dead zone. Ensure the Wi-Fi LED remains solid blue for optimal performance.

4.2. Setup via Web Browser (For all modes)

1. Plug the RE750 into an electrical outlet.
2. Connect your computer or mobile device to the RE750's default Wi-Fi network (e.g., "Cudy_RE750"). No password is required initially.
3. Open a web browser and type http://cudyrepeater.net or 192.168.10.1 into the address bar.
4. Follow the on-screen instructions to set up your desired operating mode (Repeater, Access Point, or Router). You will be prompted to create a new password for the extender's management interface and configure network settings.
5. Once configured, relocate the RE750 if necessary, ensuring optimal signal strength.

5. Operating Modes

The Cudy RE750 supports three operating modes, selectable via the mode switch on the side of the device or through the web management interface.

5.1. Range Extender (Repeater) Mode

In this mode, the RE750 extends the coverage of your existing Wi-Fi network, eliminating dead zones. It connects wirelessly to your main router and rebroadcasts the signal.

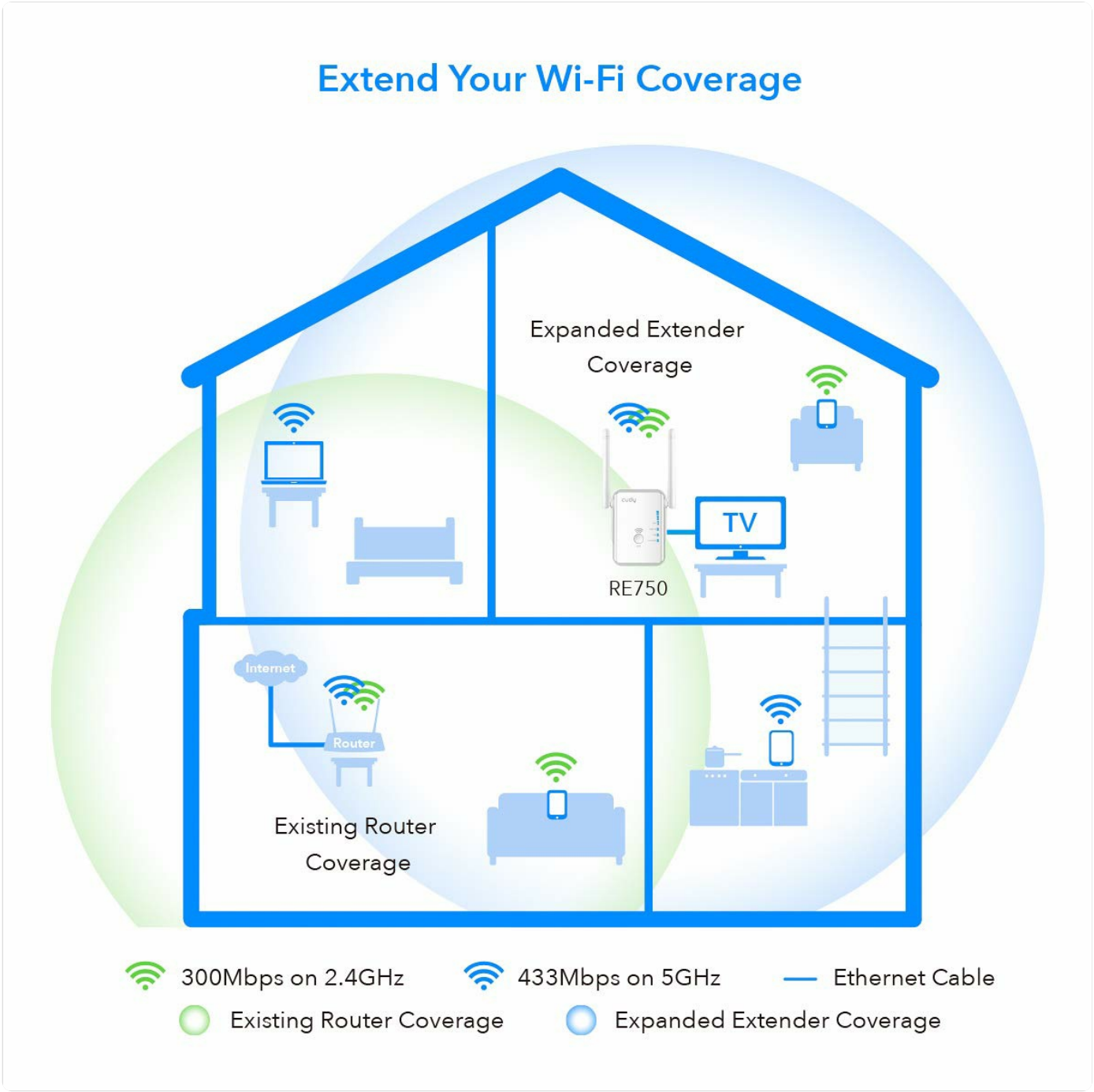


Image: A diagram illustrating how the Cudy RE750 extends Wi-Fi coverage throughout a multi-story home, showing expanded 2.4GHz and 5GHz signals.



Image: The Cudy RE750 placed in a living room, visually representing its ability to eliminate Wi-Fi dead zones and provide strong signal where it was previously weak.



Image: The Cudy RE750 highlighting its dual-band capabilities, with visual representations of 5GHz (433Mbps) and 2.4GHz (300Mbps) signal propagation.

5.2. Access Point (AP) Mode

In AP mode, the RE750 transforms a wired internet connection into a wireless network. This is useful for adding Wi-Fi capability to a wired-only network or creating a new Wi-Fi hotspot.

1. Connect an Ethernet cable from your router's LAN port to the RE750's WAN/LAN port.
2. Set the mode switch to 'Access Point'.
3. Configure the Wi-Fi settings (SSID, password) via the web browser setup.

5.3. Router Mode

In Router mode, the RE750 can share an internet connection from a modem (DSL/Cable/Fiber) to multiple devices, acting as your primary network device.

1. Connect an Ethernet cable from your modem to the RE750's WAN/LAN port.
2. Set the mode switch to 'Router'.
3. Configure the internet connection type (e.g., PPPoE, Dynamic IP, Static IP) and Wi-Fi settings via the web browser setup.

6. Maintenance

6.1. Firmware Update

Regularly updating the firmware ensures optimal performance, security, and access to new features. Visit the official Cudy website for the latest firmware for your RE750 model.

1. Download the latest firmware file from the Cudy support website.
2. Access the RE750's web management interface (http://cudyrepeater.net or 192.168.10.1).
3. Navigate to System Tools > Firmware Upgrade.
4. Upload the downloaded firmware file and follow the on-screen instructions. Do not power off the device during the upgrade process.

6.2. Factory Reset

A factory reset restores the device to its default settings. This can be useful for troubleshooting or when reconfiguring the device.

- **Method 1 (Hardware Reset):** With the device powered on, use a pin to press and hold the Reset button (usually a small hole) for about 5-10 seconds until the LEDs flash. Release the button and wait for the device to restart.
- **Method 2 (Software Reset):** Access the RE750's web management interface. Navigate to System Tools > Factory Defaults and click 'Restore'.

7. Troubleshooting

7.1. Cannot connect to the extender's Wi-Fi.

- Ensure the extender is powered on and the Wi-Fi LED is active.
- Verify you are selecting the correct Wi-Fi network name (SSID) and entering the correct password.
- If you recently changed settings, try a factory reset and reconfigure.

7.2. No internet access after setup.

- Check the connection between the extender and your main router/modem. Ensure cables are securely plugged in (if applicable) or the wireless connection is stable.
- Verify your main router has internet access.
- If in Repeater mode, try relocating the extender closer to your main router to improve signal strength.
- If in AP or Router mode, ensure the WAN settings are correctly configured for your internet service provider.

7.3. Poor signal strength or slow speeds.

- Relocate the extender to a position roughly halfway between your router and the area with poor coverage. Avoid obstacles like thick walls or large metal objects.
- Ensure the extender's antennas are positioned optimally.
- Minimize interference from other electronic devices (e.g., microwaves, cordless phones).
- Check if your main router's Wi-Fi signal is strong enough at the extender's location.

7.4. WPS setup failed.

- Ensure your main router supports WPS and that WPS is enabled.
- Press the WPS button on both devices within the two-minute window.
- Try moving the extender closer to the router during WPS setup.
- If WPS continues to fail, use the web browser setup method.

8. Specifications

Feature	Specification
Brand	Cudy
Model	RE750
Product Dimensions	11.99 x 11.99 x 8.51 cm
Item Weight	200 g
Data Transfer Rate	750 Megabits Per Second
Wireless Type	802.11ac
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Connector Type	Wireless
Ports	2 x Ethernet ports
Special Features	Access Point Mode, Dual Band, LED Indicator
Compatible Devices	Gaming Console, Personal Computers, Smart Television, Tablet

9. Warranty and Support

9.1. Warranty Information

The Cudy AC750 Dual Band WiFi Range Extender (RE750) comes with a**1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2. Technical Support

For technical assistance, troubleshooting, or further inquiries, please visit the official Cudy support website or contact their customer service. Support resources often include FAQs, firmware downloads, and contact information.
Official Cudy Website: www.cudy.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question