

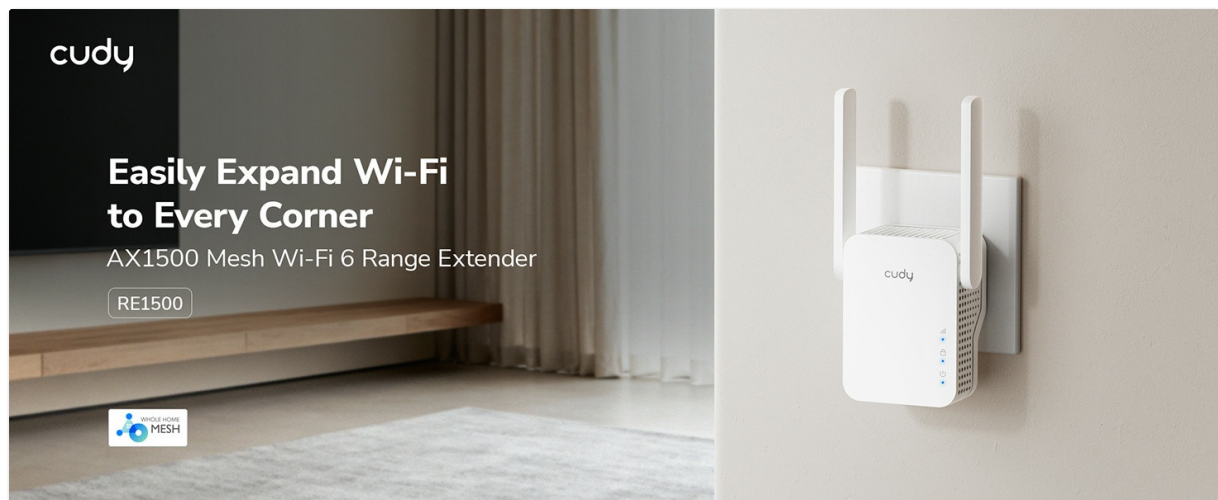
## Cudy RE1500

# Cudy RE1500 AX1500 WiFi 6 Range Extender

## USER MANUAL

### 1. Product Overview

The Cudy RE1500 AX1500 WiFi 6 Range Extender is designed to expand your existing Wi-Fi network coverage, eliminating dead zones and providing stable wireless and wired connections. It supports the latest Wi-Fi 6 standard, offering high speeds across dual bands (2.4GHz and 5GHz) for an enhanced internet experience throughout your home or office.



The Cudy RE1500 extends Wi-Fi to every corner of your space, ensuring comprehensive coverage.

### 2. What's in the Box

Verify that your package contains the following items:

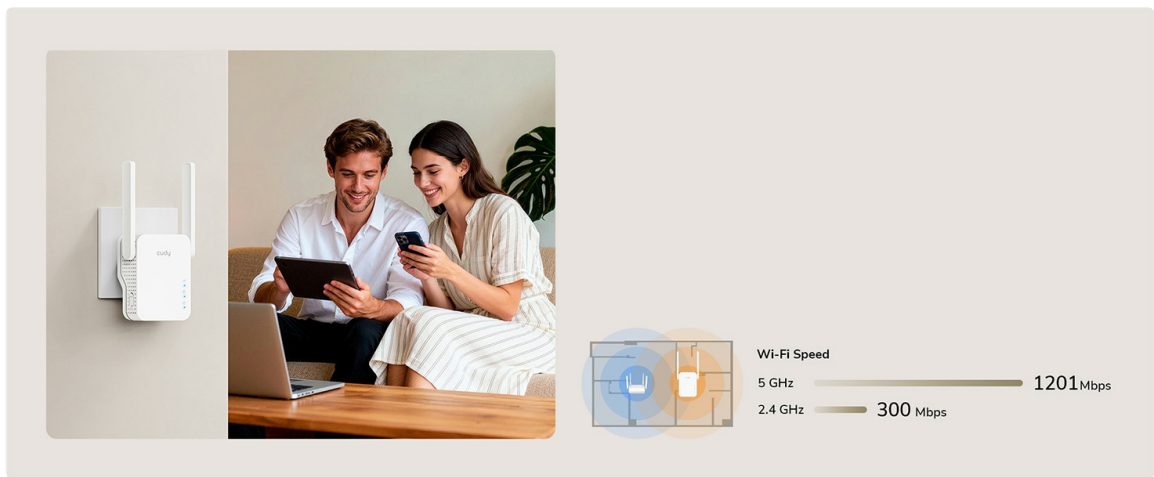
- Cudy RE1500 AX1500 WiFi 6 Range Extender
- Quick Installation Guide



The package includes the RE1500 device and its Quick Installation Guide.

### 3. Product Features

- **Dual Band WiFi 6 Technology:** Boosts your home Wi-Fi with 2.4GHz 300Mbps and 5GHz 1201Mbps speeds for smooth 4K streaming, gaming, and online work.



Enjoy boosted Wi-Fi coverage with high speeds on both 2.4GHz and 5GHz bands.

- **Cudy Mesh Support:** Combine with other Cudy Mesh devices for seamless whole-home coverage and automatic roaming across rooms.
- **Two Working Modes:** Use as a range extender to expand Wi-Fi or as an access point to create a new hotspot via Ethernet.
- **Stable Wired Connection:** Equipped with a 10/100Mbps Ethernet port for connecting smart TVs, game consoles, or PCs for reliable wired performance.



The RE1500 provides stable wired connections for various devices.

- **Easy Setup and Smart Control:** Press the WPS button for one-click setup and manage your network easily through the Cudy App with local and cloud access.
- **High Gain Antennas:** Provides wider and stronger Wi-Fi coverage.



High gain antennas ensure wider and stronger Wi-Fi coverage.

- **Universal Compatibility:** Works with any standard router.

## Work with Any Router



The RE1500 is universally compatible with all routers.

## 4. Setup Guide

### 4.1. WPS Button Setup (Recommended for quick setup)

1. **Power On:** Plug the RE1500 into a power outlet near your main router.
2. **Wait for Power LED:** Wait for the Power LED on the RE1500 to turn solid blue.
3. **Press Router's WPS:** Press the WPS button on your main router.
4. **Press Extender's WPS:** Within two minutes, press the WPS button on the RE1500.
5. **Verify Connection:** The Signal LED on the RE1500 will turn solid blue, indicating a successful connection.
6. **Relocate:** Unplug the RE1500 and relocate it to an optimal location between your router and the Wi-Fi dead zone. Ensure the Signal LED remains blue for good coverage.



One-touch pairing using the WPS button simplifies the setup process.

### 4.2. Web Interface Setup

1. **Power On:** Plug the RE1500 into a power outlet.
2. **Connect to Extender Wi-Fi:** Connect your device (computer or smartphone) to the RE1500's default Wi-Fi network (e.g., "Cudy\_Extender"). No password is required initially.
3. **Access Web Browser:** Open a web browser and navigate to <http://cudyrepeater.net> or <http://192.168.10.254>.

4. **Follow On-Screen Instructions:** Follow the guided steps to set an administrator password and configure the extender mode or access point mode.
5. **Select Network:** Choose your existing Wi-Fi network and enter its password.
6. **Relocate:** Once configured, unplug the RE1500 and move it to an optimal location for signal extension.

## 5. Operating Modes

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### 5.1. Range Extender Mode

In Range Extender Mode, the RE1500 connects wirelessly to your main router and rebroadcasts the signal. This effectively extends the coverage of your existing Wi-Fi network, eliminating dead zones and providing a larger Wi-Fi footprint.



The RE1500 expands your existing router's Wi-Fi coverage.

### 5.2. Access Point Mode

In Access Point Mode, the RE1500 connects to your router via an Ethernet cable and creates a new Wi-Fi hotspot. This mode is useful for adding wireless capabilities to a wired network or improving Wi-Fi coverage in a specific area with a wired backhaul, providing a dedicated wireless network.

## 6. Maintenance

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- **Optimal Placement:** Place the extender halfway between your router and the Wi-Fi dead zone. Avoid obstructions like thick walls, metal objects, and large appliances that can interfere with the signal.
- **Firmware Updates:** Regularly check the Cudy website or the Cudy App for the latest firmware updates to ensure optimal performance, security, and access to new features.
- **Cleaning:** Keep the device clean and free from dust. Ensure ventilation holes are not blocked to prevent overheating.

## 7. Troubleshooting

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- **No Internet Access:**
  - Check if your main router has internet access.

- Ensure the RE1500 is properly connected to your router (via WPS or web setup).
  - Try relocating the RE1500 closer to your main router.
  - Restart both the router and the RE1500.
- **Weak Signal from Extender:**
    - Relocate the RE1500 to a position where the Signal LED is solid blue, indicating a strong connection to the main router.
    - Adjust the antennas for better reception.
    - Ensure there are no major obstructions between the extender and your devices.
- **Cannot Access Web Management Page:**
    - Ensure your device is connected to the RE1500's Wi-Fi network.
    - Verify the URL <http://cudyrepeater.net> or IP address <http://192.168.10.254> is entered correctly.
    - Clear your browser's cache or try a different browser.
    - Reset the extender to factory defaults by pressing the recessed reset button for 5-10 seconds.

## 8. Specifications

|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| <b>Brand</b>                           | Cudy                                              |
| <b>Model Number</b>                    | RE1500                                            |
| <b>Wireless Communication Standard</b> | 802.11a/b/g/n/ac, 802.11ax (Wi-Fi 6)              |
| <b>Data Transfer Rate</b>              | 1500 Mbps (300Mbps for 2.4GHz, 1201Mbps for 5GHz) |
| <b>Frequency Band Class</b>            | Dual-Band (2.4 GHz, 5 GHz)                        |
| <b>Special Features</b>                | Access Point Mode, LED Indicator, QoS, WiFi Mesh  |
| <b>Ethernet Port</b>                   | 1 x 10/100Mbps                                    |
| <b>Item Weight</b>                     | 120 Grams                                         |
| <b>Item Dimensions (D x W x H)</b>     | 1.5"D x 2.36"W x 3.15"H                           |
| <b>Color</b>                           | White                                             |
| <b>Manufacturer</b>                    | Shenzhen Cudy Technology Co., Ltd.                |

## 9. Warranty and Support

**Warranty:** The Cudy RE1500 AX1500 WiFi 6 Range Extender comes with a two-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

**Support:** For technical assistance, troubleshooting, or further inquiries, please visit the official Cudy website or refer to the contact information provided in the Quick Installation Guide included with your product. You can often find FAQs, driver downloads, and support forums online.

