

Cudy RE1800

Cudy AX1800 RE1800 WiFi 6 Range Extender User Manual

Model: RE1800

1. INTRODUCTION

The Cudy AX1800 RE1800 WiFi 6 Range Extender is designed to expand your existing Wi-Fi network coverage, eliminate dead zones, and provide faster, more reliable internet access throughout your home or office. Supporting the latest Wi-Fi 6 standard, it offers dual-band speeds up to 1.8 Gbps (1201 Mbps on 5GHz and 574 Mbps on 2.4GHz) and features multiple operating modes including Range Extender, Access Point, and Add-On Mesh.

2. PACKAGE CONTENTS

- Cudy AX1800 RE1800 WiFi 6 Range Extender
- Instruction Manual

3. PRODUCT OVERVIEW

The Cudy RE1800 is a compact, wall-plug design device with external antennas for enhanced signal reach. It features LED indicators for status and a Gigabit Ethernet port for wired connections.



Image: Front view of the Cudy AX1800 RE1800 WiFi 6 Range Extender, showing its compact design and LED indicators.

LED Indicators

- **Signal LED:** Indicates the strength of the signal received from the main router.

- **Power LED:** Indicates the power status of the device.
- **WPS LED:** Indicates WPS connection status.
- **Ethernet LED:** Indicates activity on the Gigabit Ethernet port.

Ports and Buttons

- **Gigabit Ethernet Port:** For connecting wired devices or for Access Point mode.
- **WPS Button:** For quick and easy setup with a compatible router.
- **Reset Button:** To restore factory default settings.

4. SETUP

4.1. WPS Setup (Recommended for quick setup)

WPS (Wi-Fi Protected Setup) allows for a secure connection to your main router without manual configuration.

1. Plug the RE1800 into a power outlet near your main router. Wait for the Power LED to turn solid.
2. Press the WPS button on your main router.
3. Within two minutes, press the WPS button on your RE1800. The WPS LED on the RE1800 should start blinking.
4. Wait for the WPS LED on the RE1800 to turn solid, indicating a successful connection.
5. Unplug the RE1800 and relocate it to a suitable position (see Section 6: Placement Guidelines).

Easy Setup with One Button Press

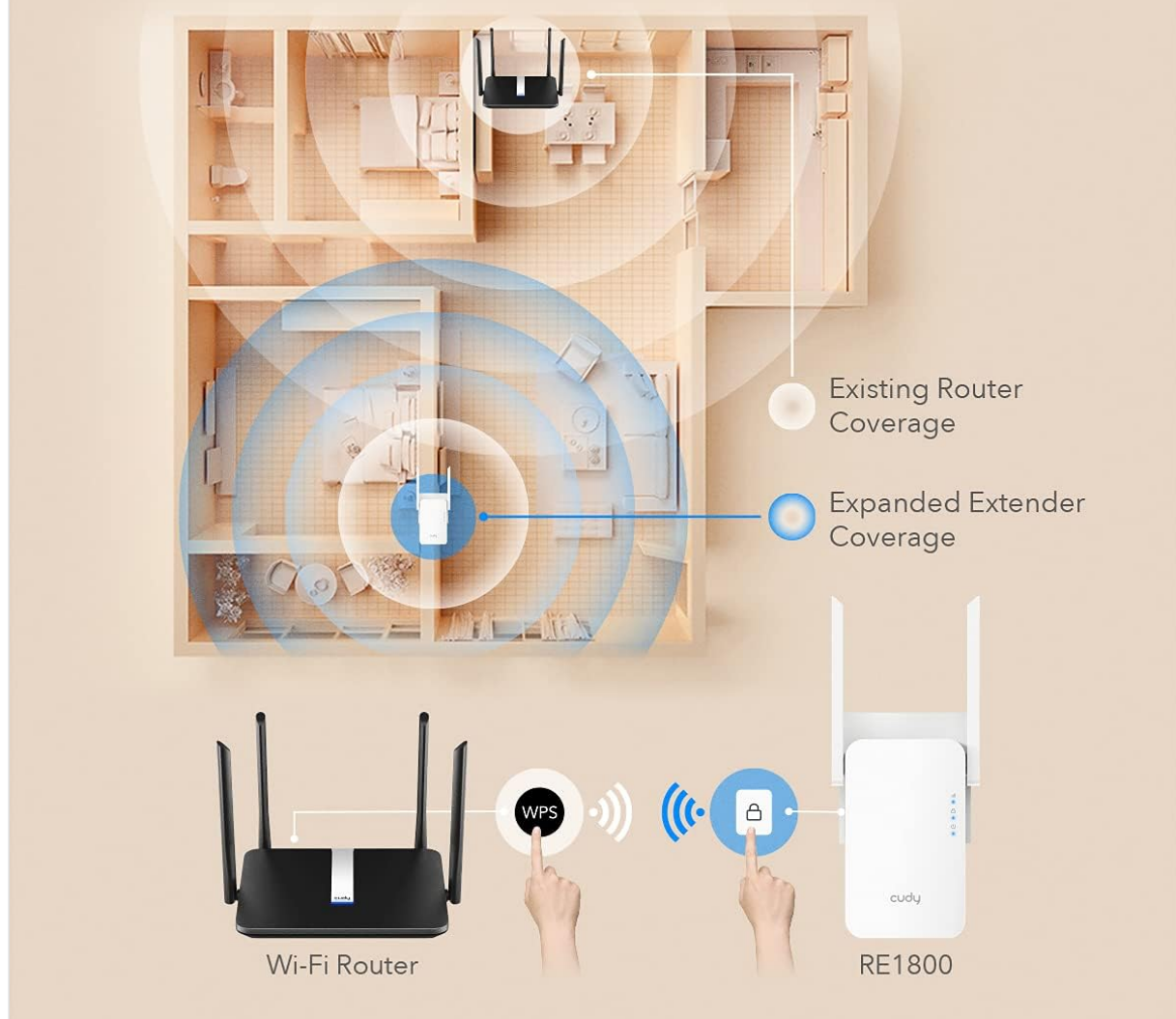


Image: Diagram illustrating the WPS setup process, showing pressing the WPS button on both the Wi-Fi router and the RE1800 extender.

4.2. Web UI Setup (For advanced configuration or if WPS fails)

1. Plug the RE1800 into a power outlet.
2. Connect your computer or mobile device to the RE1800's default Wi-Fi network (SSID usually printed on the device label, e.g., 'Cudy_RE1800').
3. Open a web browser and enter the default IP address or domain name (e.g. cudyre.net or 192.168.10.1).
4. Follow the on-screen instructions to configure the extender, select your main Wi-Fi network, and set up the extended network's name and password.

5. OPERATING MODES

The Cudy RE1800 supports multiple operational modes to suit various networking needs:

- **Range Extender Mode:** Expands the coverage of an existing wireless network. This is the primary function, extending your router's Wi-Fi signal.
- **Access Point (AP) Mode:** Transforms your existing wired network into a wireless one. Connect the

RE1800 to your router via an Ethernet cable, and it will broadcast a new Wi-Fi network.

- **Add-On Mesh Unit:** Works with compatible Cudy mesh products (e.g., Cudy X6, WR2100, M1800) to create a seamless whole-home mesh Wi-Fi system.



Image: Illustration showing the Cudy RE1800 integrating with an existing Cudy router to form a Whole Home Mesh Wi-Fi System.

6. PLACEMENT GUIDELINES

Optimal placement of your RE1800 is crucial for maximizing Wi-Fi coverage and performance.

- **Mid-point Placement:** Position the extender roughly halfway between your main router and the Wi-Fi dead zone. The extender needs to receive a strong signal from the router to effectively re-broadcast it.
- **Avoid Obstructions:** Place the extender away from large metal objects, concrete walls, and other electronic devices that may cause interference.
- **Elevated Position:** Placing the extender in a slightly elevated position can help improve signal propagation.
- **Check Signal Strength:** Use the Signal LED on the RE1800 to determine the best location. A solid

blue or green light typically indicates a good connection to the main router.



Image: The Cudy RE1800 extender plugged into a wall outlet, illustrating its role in extending Wi-Fi coverage and eliminating dead zones.

7. MAINTENANCE

- **Firmware Updates:** Regularly check the Cudy official website for the latest firmware updates to ensure optimal performance and security. Follow the instructions provided with the firmware.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth. Do not use liquid cleaners.
- **Ventilation:** Ensure the device has adequate ventilation and is not covered, to prevent overheating.

8. TROUBLESHOOTING

- **No Internet Access:**
 - Ensure your main router has internet access.
 - Verify the RE1800 is successfully connected to your main router (check Signal LED).
 - Try repositioning the RE1800 closer to the main router.

- **Slow Speed:**

- Relocate the RE1800 to a position where it receives a stronger signal from the main router.
- Reduce interference from other electronic devices.
- Ensure your main router is also performing optimally.

- **WPS Setup Fails:**

- Ensure your router supports WPS.
- Try the Web UI setup method (Section 4.2).
- Ensure the RE1800 is within range of the router during WPS pairing.

- **Cannot Access Web Management Page:**

- Ensure your device is connected to the RE1800's Wi-Fi network.
- Verify the correct IP address or domain name (cudyre.net) is entered.
- Clear your browser's cache or try a different browser.




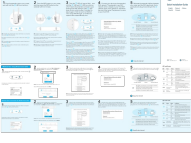


9. SPECIFICATIONS

Feature	Detail
Model Number	RE1800
Wireless Standard	802.11a/b/g/n/ac/ax (Wi-Fi 6)
Data Transfer Rate	Up to 1800 Mbps (5GHz: 1201 Mbps, 2.4GHz: 574 Mbps)
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Ethernet Port	1x Gigabit Ethernet Port
Antennas	2 External High Gain Antennas
Dimensions	9.45 x 27.17 x 0.98 inches
Item Weight	14.1 ounces
Manufacturer	Shenzhen Cudy Technology Co., Ltd.

10. WARRANTY AND SUPPORT

Cudy products typically come with a 1-year warranty. For warranty claims or technical assistance, please contact Cudy customer support. You can also utilize the Cudy app for managing your device and accessing support resources.

For further assistance, visit the official Cudy website or refer to the contact information provided in your product packaging.

	<p>Cudy RE1800 WiFi 6 Extender Quick Installation Guide</p> <p>Get your Cudy RE1800 WiFi 6 Extender up and running quickly with this comprehensive installation guide. Learn step-by-step instructions for WPS and web browser setup, understand LED indicators, and find answers to common troubleshooting questions.</p>
	<p>Cudy RE 1200 AC1200 Dual Band Range Extender - Enhance Wi-Fi Coverage</p> <p>Discover the Cudy RE 1200, an AC1200 Dual Band Range Extender. This datasheet outlines its features, specifications, and dual functionality as a Wi-Fi Extender or Access Point to eliminate dead zones and improve network performance.</p>
	<p>Cudy RE1200 WiFi Extender Quick Installation Guide</p> <p>A quick installation guide for the Cudy RE1200 WiFi Extender, covering setup via WPS button and web browser, LED indicators, and troubleshooting FAQs.</p>
	<p>Cudy Wi-Fi Extender Quick Installation Guide (RE1200, RE1800)</p> <p>Comprehensive guide for setting up Cudy Wi-Fi extenders (RE1200, RE1800) using WPS or a web browser. Includes detailed steps, LED indicator explanations, and answers to common questions for seamless network expansion.</p>
	<p>Cudy RE1800 AX1800 Wi-Fi 6 Mesh Extender Quick Installation Guide</p> <p>Quick installation guide for the Cudy RE1800 AX1800 Wi-Fi 6 Mesh Extender, detailing setup steps, pairing methods, and LED indicators.</p>
	<p>Cudy Wi-Fi Range Extender: Quick Installation Guide</p> <p>This guide provides step-by-step instructions for setting up your Cudy Wi-Fi Range Extender, helping you eliminate Wi-Fi dead zones and enjoy stronger network coverage using WPS or a web browser.</p>