Cudy RE3600

Cudy BE3600 Dual Band Wi-Fi 7 Repeater (Model RE3600) User Manual

1. Introduction

The Cudy BE3600 Dual Band Wi-Fi 7 Repeater, model RE3600, is designed to extend your existing Wi-Fi network coverage and eliminate dead zones. This device supports the latest Wi-Fi 7 standard, offering high-speed dual-band connectivity. It can operate as a Wi-Fi repeater, an access point, and is compatible with Cudy Mesh systems for seamless whole-home coverage.

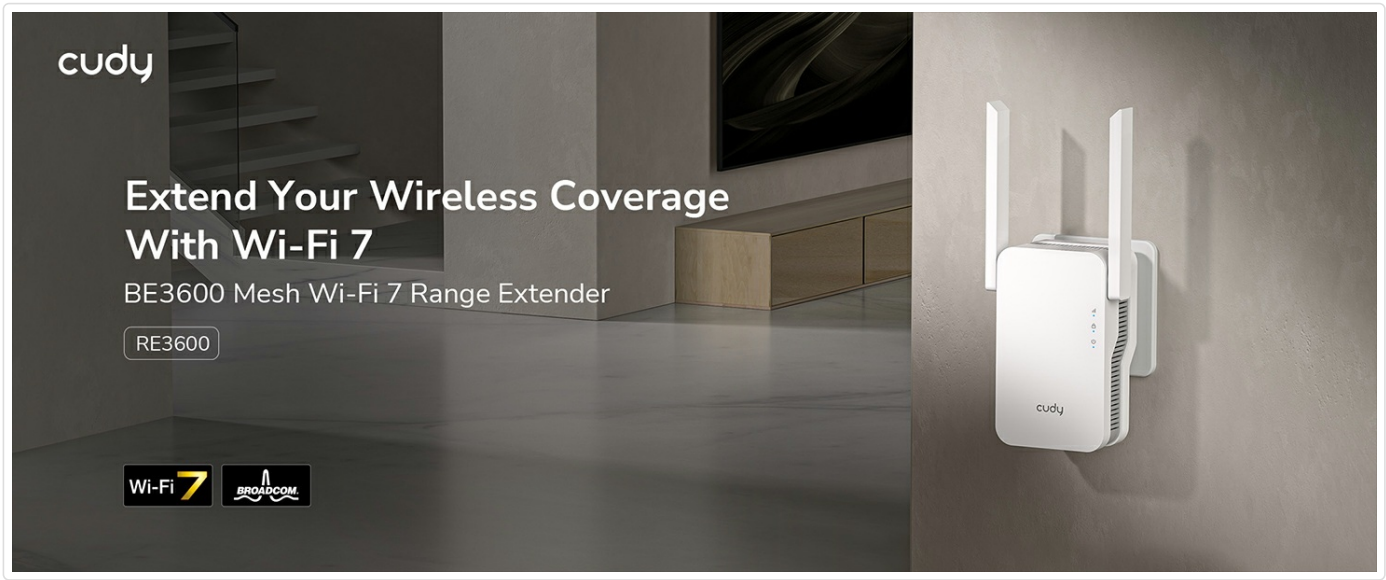


Image: The Cudy BE3600 Wi-Fi 7 Repeater plugged into a wall outlet, extending network coverage to eliminate Wi-Fi dead zones in a home environment.

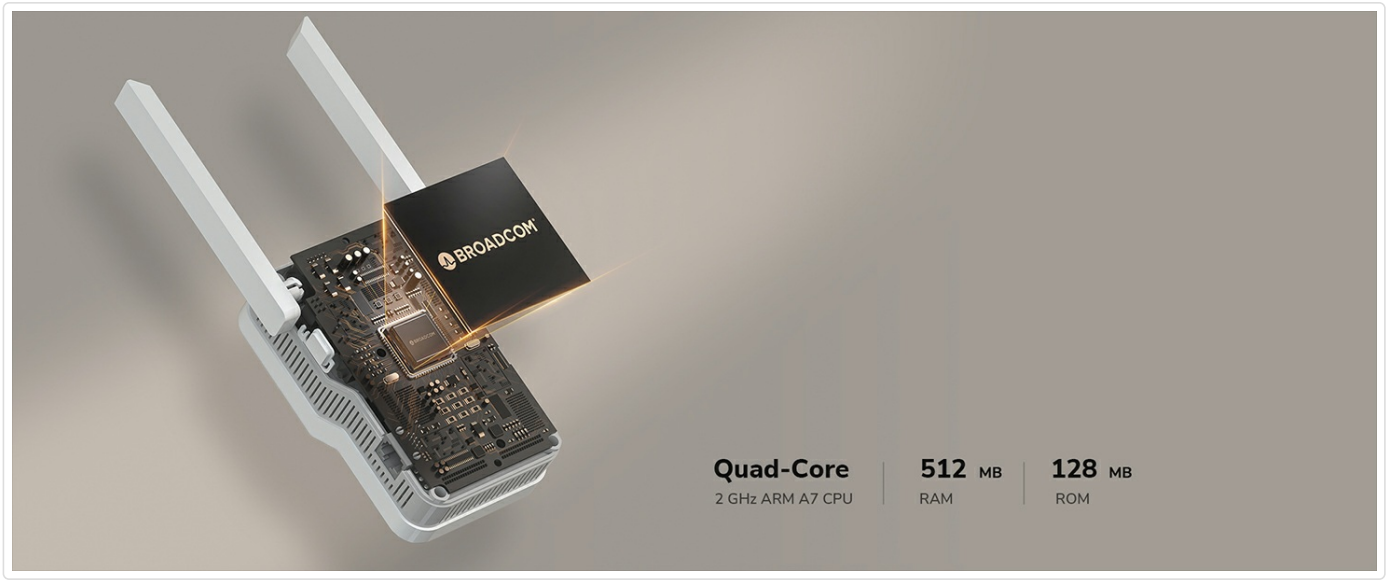


Image: The Cudy BE3600 Wi-Fi 7 Repeater highlighting its maximum 3.57 Gbps dual-band Wi-Fi 7 speed and 160MHz bandwidth.

2. Setup Instructions

2.1. Package Contents

- Cudy BE3600 Wi-Fi 7 Repeater (RE3600)
- Installation Guide

2.2. Physical Placement

For optimal performance, place the RE3600 in an area between your main router and the Wi-Fi dead zone. Ensure it is within range of your main router's Wi-Fi signal. Avoid placing it near large metal objects, concrete walls, or other devices that may cause interference.

2.3. Power On

Plug the RE3600 into a standard electrical outlet. Wait for the LED indicators to stabilize, which typically takes a few moments.

2.4. Configuration Methods

2.4.1. WPS Button Setup (Recommended for quick setup)

1. Plug the RE3600 into an electrical outlet near your main router.
2. Press the WPS button on your main router.
3. Within two minutes, press the WPS button on the RE3600.
4. Wait for the RE3600's signal LED to turn solid, indicating a successful connection.
5. Relocate the RE3600 to a suitable location between your router and the Wi-Fi dead zone.

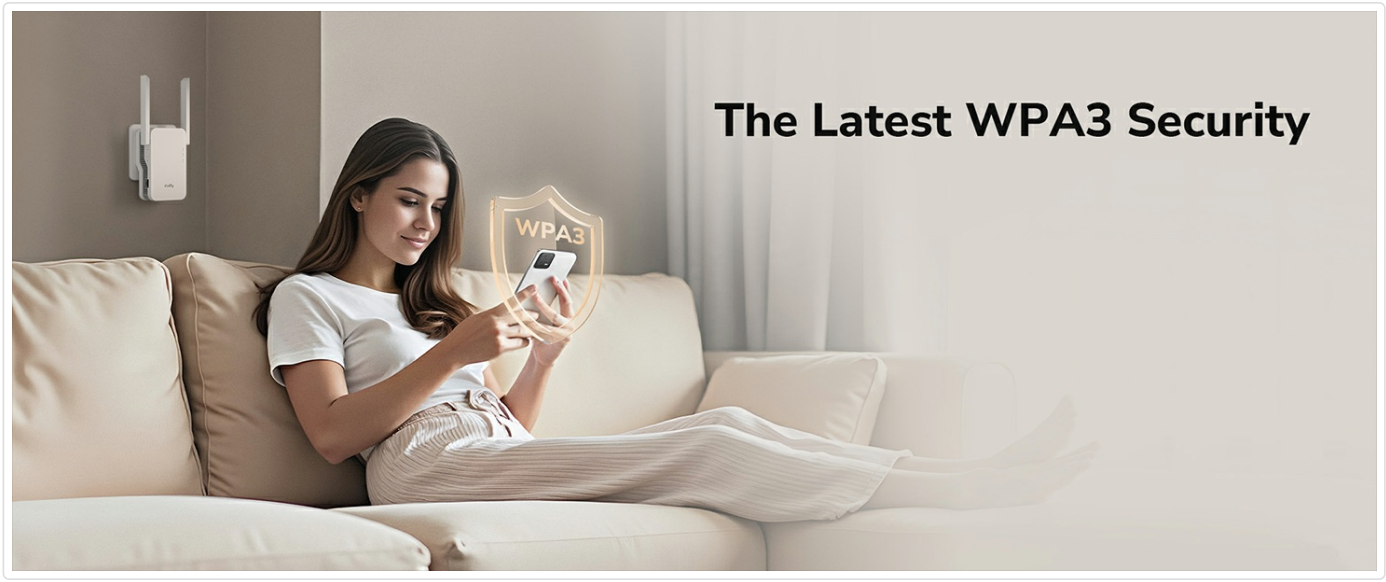


Image: A step-by-step diagram illustrating the WPS setup process, showing pressing the WPS button on the Wi-Fi router, then on the RE3600, and finally enjoying boosted Wi-Fi.

2.4.2. Cudy App Setup

The Cudy app provides an intuitive way to set up and manage your RE3600. Download the Cudy app from the App Store (iOS) or Google Play Store (Android).

1. Connect your smartphone to the RE3600's default Wi-Fi network (usually named 'Cudy_XXXX').
2. Open the Cudy app and follow the on-screen instructions to configure the repeater.

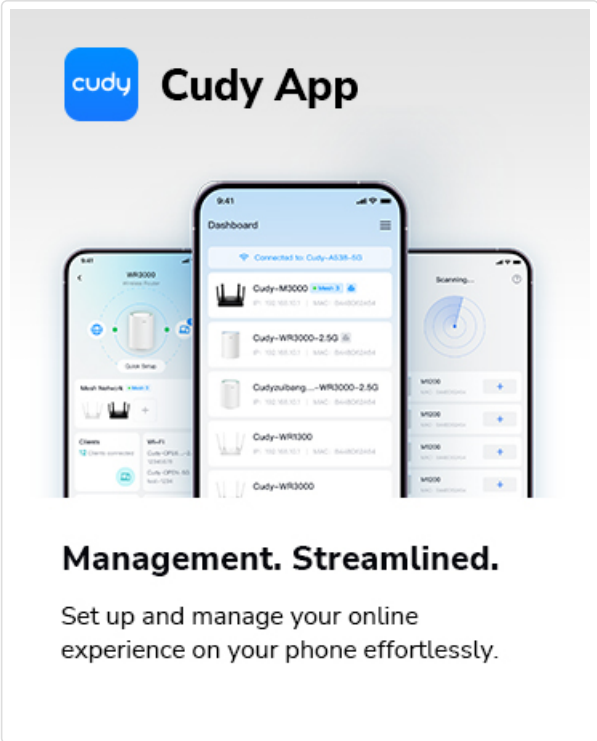


Image: Screenshots of the Cudy App dashboard, demonstrating streamlined management for setting up and controlling your network devices.

2.4.3. Web UI Setup

For advanced configuration, you can access the RE3600's web management interface:

1. Connect your computer to the RE3600's default Wi-Fi network or via an Ethernet cable.
2. Open a web browser and enter the default IP address (check the installation guide or the device label) or 'cudyrepeater.net' in the address bar.

3. Log in with the default credentials (usually 'admin' for both username and password).
4. Follow the on-screen wizard to configure the device.

3. Operating Modes

The Cudy RE3600 supports multiple operating modes to suit various networking needs.

3.1. Repeater Mode (Range Extender)

In Repeater Mode, the RE3600 wirelessly connects to your existing router's Wi-Fi network and extends its coverage. This is ideal for eliminating Wi-Fi dead zones and improving signal strength in areas with weak coverage.

3.2. Access Point (AP) Mode

In AP Mode, the RE3600 connects to your router via an Ethernet cable and broadcasts a new Wi-Fi network. This is useful for converting a wired network connection into a wireless one, providing Wi-Fi access in areas where only wired connections are available.



Image: The Cudy RE3600 connected via its Gigabit Ethernet port to a television, illustrating its capability for high-speed wired connections and functioning in Access Point mode.

3.3. Cudy Mesh Compatibility

The RE3600 is compatible with Cudy Mesh systems, allowing you to create a unified whole-home Wi-Fi network. When integrated into a Cudy Mesh network, devices will seamlessly roam between the router and the extender without manual switching, ensuring consistent connectivity.

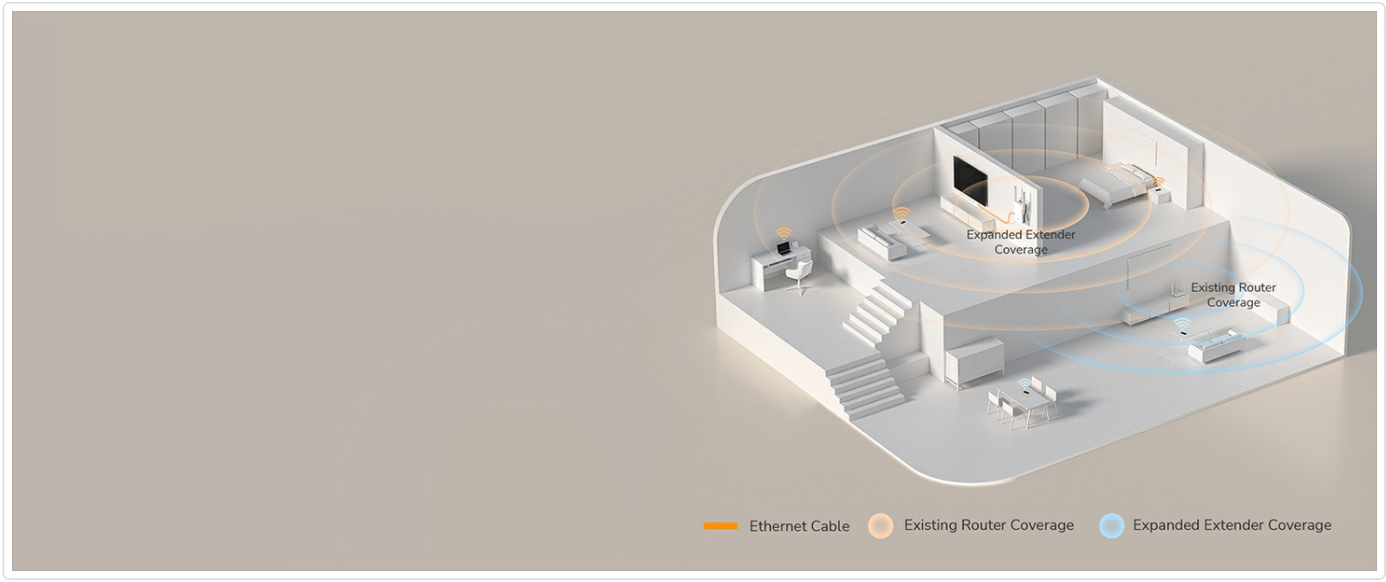


Image: A diagram illustrating seamless whole-home coverage with Cudy Mesh, showing how the RE3600 connects to a Cudy Mesh router to create a unified Wi-Fi network with smart roaming.

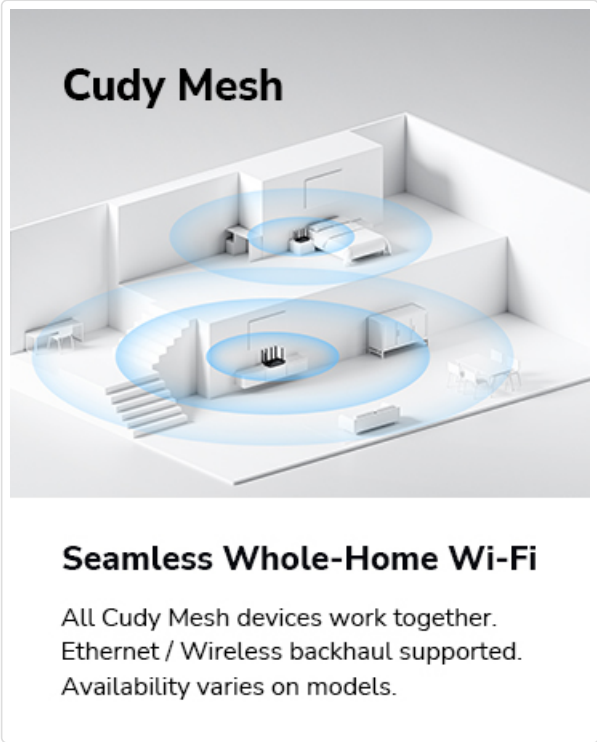


Image: A diagram showing the concept of Cudy Mesh, where multiple devices work together to provide seamless whole-home Wi-Fi coverage.

4. Maintenance

4.1. Firmware Updates

Regularly check for and install firmware updates to ensure optimal performance, security, and access to new features. Firmware updates can typically be performed via the Cudy app or the web management interface.

4.2. Regular Reboots

Periodically restarting your RE3600 (e.g., once a month) can help clear its memory and resolve minor performance issues, ensuring stable operation.

4.3. Cleaning

Keep the device clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.

5. Troubleshooting

5.1. No Internet Connection

- Ensure your main router has an active internet connection.
- Verify the RE3600 is properly connected to your main router (via WPS, app, or web UI).
- Check the RE3600's signal strength indicator. If it's weak, try relocating the extender closer to your main router.
- Restart both your main router and the RE3600.

5.2. Weak Wi-Fi Signal or Slow Speeds

- Relocate the RE3600 to a position that is equidistant between your router and the desired coverage area, ensuring it receives a strong signal from the router.
- Minimize physical obstructions (walls, large furniture) between the RE3600 and your devices.
- Ensure the RE3600's antennas are oriented for optimal reception.
- Check for interference from other electronic devices (e.g., microwaves, cordless phones).

5.3. Cannot Connect to the RE3600

- Verify that the RE3600 is powered on and its LEDs are active.
- If using WPS, ensure you pressed the WPS buttons on both devices within the time limit.
- If configuring via app or web UI, ensure your device is connected to the RE3600's default Wi-Fi network or via Ethernet.
- Perform a factory reset if you cannot access the device (refer to the installation guide for reset instructions).

6. Specifications

Feature	Detail
Brand	Cudy
Model	RE3600
Wireless Communication Standard	802.11be (Wi-Fi 7)
Data Transfer Rate	Up to 3600 Gigabits Per Second (3.6 Gbps)
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Special Features	Access Point Mode, LED Indicator, QoS, Wi-Fi Mesh
Compatible Devices	IP Camera, Personal Computer, Router, Smart Television, Smartphone
Item Weight	280 Grams
Item Dimensions (D x W x H)	1.91"D x 3.15"W x 5.1"H
Security	WPA3 Encryption



Image: An internal view of the Cudy RE3600, highlighting its powerful Broadcom Quad-Core 2 GHz ARM A7 CPU, 512 MB RAM, and 128 MB ROM for efficient data transmission.

6.1. Security Features

The Cudy RE3600 incorporates advanced WPA3 encryption to provide enhanced security for your wireless network, protecting your data from unauthorized access.

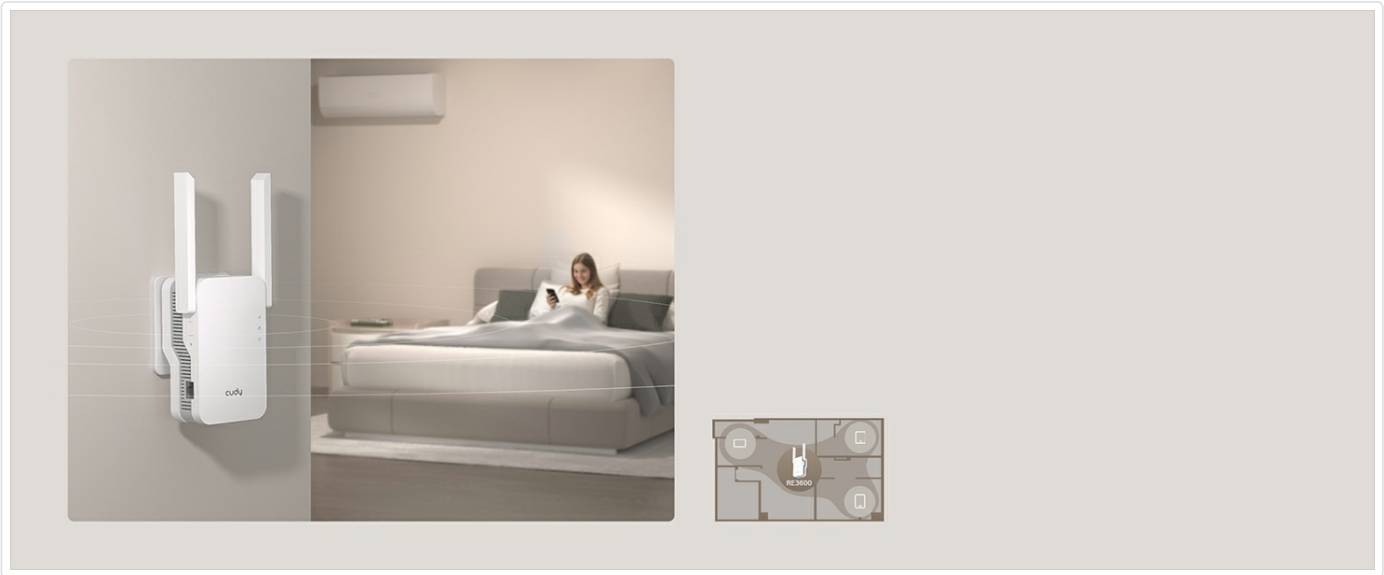


Image: A user interacting with a smartphone, with a Cudy RE3600 in the background, illustrating the device's advanced WPA3 encryption for secure network connections.

7. Warranty Information

The Cudy BE3600 (RE3600) comes with a 2-Year Warranty from the manufacturer, Shenzhen Cudy Technology Co., Ltd. For detailed terms and conditions, please refer to the official Cudy website or the warranty card included with your product.

Optional protection plans may be available for purchase, offering extended coverage beyond the standard manufacturer's warranty.

8. Support

For further assistance, technical support, or to access frequently asked questions (FAQs), please utilize the following resources:

- **Cudy App:** Use the Cudy app for device management and basic troubleshooting.
- **Official Cudy Website:** Visit the official Cudy website for comprehensive support documentation, firmware downloads, and contact information for customer service.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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