

Cudy M3000

Cudy AX3000 WiFi 6 Mesh System M3000 User Manual

Model: M3000 | Brand: Cudy

1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Cudy AX3000 WiFi 6 Mesh System M3000. Please read this guide carefully to ensure optimal performance and longevity of your device.

The Cudy AX3000 WiFi 6 Mesh System is designed to replace your traditional router and extenders, offering seamless, whole-home mesh WiFi coverage. It features a powerful 1.3 GHz dual-core CPU for fast data transmission and low latency, supporting up to 200 devices simultaneously.



Image: Two Cudy M3000 Mesh Units displayed on a wooden surface, highlighting their design and the product's premium multi-gig AX3000 Wi-Fi 6 capabilities.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Cudy M3000 Mesh Unit
- Power Adapter
- Ethernet Cable
- Quick Installation Guide



Image: The retail box for the Cudy M3000 Mesh System, showing the product and branding.

3. PRODUCT OVERVIEW

The Cudy M3000 Mesh Unit features a sleek design with essential ports and indicators for easy management.

3.1. Physical Appearance and Ports



Image: Rear view of the Cudy M3000 Mesh Unit, highlighting the WAN and LAN ports, power input, and reset button. The unit typically includes:

- **WAN Port (2.5G Multi-Gigabit):** Connects to your modem or existing router for internet access.
- **LAN Port(s):** For wired connections to devices like PCs, gaming consoles, or network storage.
- **Power Input:** Connects to the provided power adapter.
- **Reset Button:** Used to restore factory default settings.

3.2. LED Indicators

The LED indicator on the front of the unit provides status information:

- **Solid Blue:** Device is powered on and operating normally.
- **Pulsing Blue:** Device is starting up or establishing a connection.
- **Solid Red:** No internet connection or an error has occurred.

4. SETUP GUIDE

Follow these steps to set up your Cudy AX3000 Mesh System.

4.1. Initial Placement

Place your first M3000 unit (main unit) in a central location in your home, away from obstructions and interference sources like microwaves or cordless phones. For multi-unit systems, strategically place additional units to maximize coverage.

Starker 1,3 GHz Procesador Dual-Core

MediaTek
Filogic 820

Connetti
256 apparecchi



Scaricamento ad alta velocità



Streaming di 4K



Stream di camera IP



720P-Stream



Dispositivi Intelligenti di Casa



Navigazione web

Image: A diagram illustrating optimal placement of mesh units for comprehensive WiFi coverage across different floor plans, including single-unit, two-unit, and three-unit setups for varying square meterages.

4.2. Hardware Connection

1. **Power Off:** Disconnect power from your modem (if applicable) and any existing router.
2. **Connect Main Unit:** Connect one end of the provided Ethernet cable to the WAN port (2.5G) of the Cudy M3000 unit and the other end to your modem's LAN port.
3. **Power On:** Connect the power adapter to the Cudy M3000 unit and plug it into a power outlet. Wait for the LED indicator to turn solid blue.
4. **Connect Additional Units (if applicable):** For multi-unit systems, place additional M3000 units and power them on. They will automatically connect to the main unit.

4.3. Network Configuration

You can configure your mesh system using the Cudy App or a web browser.

Using the Cudy App:

1. Download the "Cudy" app from your mobile device's app store.
2. Open the app and follow the on-screen instructions to detect and set up your Cudy M3000 Mesh System.



Image: Screenshots of the Cudy mobile application interface, demonstrating device management and setup features.

Using a Web Browser:

1. Connect your computer or mobile device to the Cudy M3000's default WiFi network (SSID and password are on the bottom label of the unit).
2. Open a web browser and enter `http://cudy.net` or `192.168.10.1` in the address bar.
3. Follow the setup wizard to configure your internet connection and WiFi settings.

5. OPERATING INSTRUCTIONS

Once set up, your Cudy M3000 Mesh System provides seamless WiFi coverage. Here are key operational aspects:

5.1. Seamless Roaming

The mesh system allows your devices to automatically switch to the strongest WiFi signal as you move around your home, ensuring an uninterrupted connection.

Muovetevi liberamente tra le aree Wi-Fi

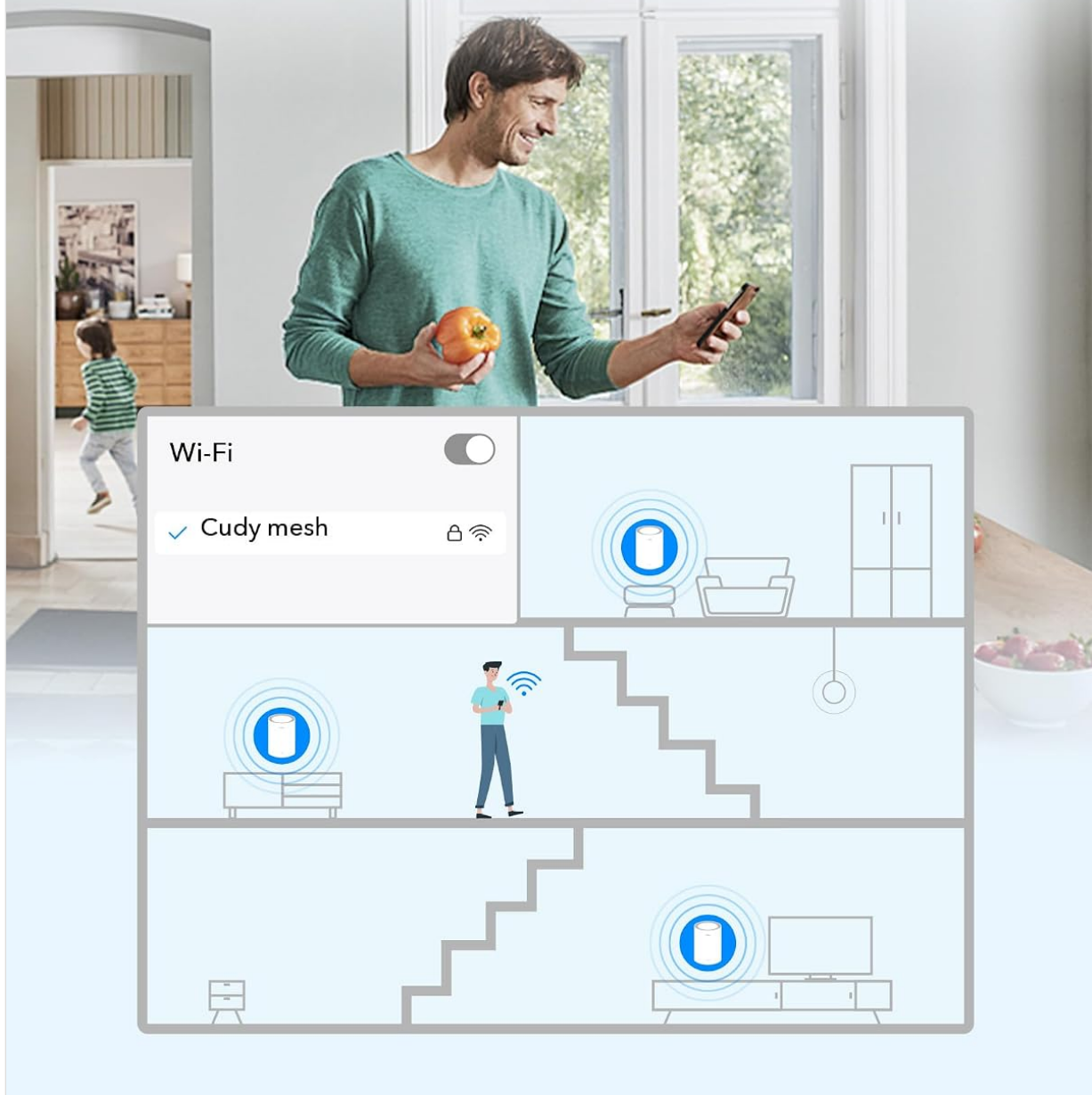


Image: A visual representation of a person moving through a house while their device maintains a continuous WiFi connection by seamlessly switching between mesh units.

5.2. Ethernet Backhaul

For optimal performance, especially in larger homes or with high-bandwidth applications, you can connect mesh units via Ethernet cables. This creates a dedicated wired connection between units, improving speed and stability.

5.3. Connecting Devices

Connect your wireless devices to the WiFi network using the SSID and password you configured during setup. For wired devices, use the available LAN ports on any mesh unit.

6. ADVANCED FEATURES

The Cudy M3000 offers several advanced features for enhanced control and security.

6.1. VPN Support

The system supports various VPN protocols, including WireGuard, OpenVPN, ZeroTier, IPSec, PPTP, and L2TP, allowing for secure remote connections and privacy.



Image: A collection of logos representing the VPN protocols supported by the Cudy M3000, including WireGuard, OpenVPN, ZeroTier, IPSec, L2TP, and PPTP.

6.2. Parental Controls

Manage internet access for specific devices or users with features like website filtering and time limits.



Image: A child reading a book in bed, accompanied by icons for home network management and parental controls, illustrating the ability to manage internet access.

6.3. Quality of Service (QoS)

Prioritize network traffic for specific applications or devices to ensure smooth performance for critical tasks like gaming or video conferencing.

6.4. Security Protocols

The system supports WPA2 and WPA3 security protocols to protect your network from unauthorized access.

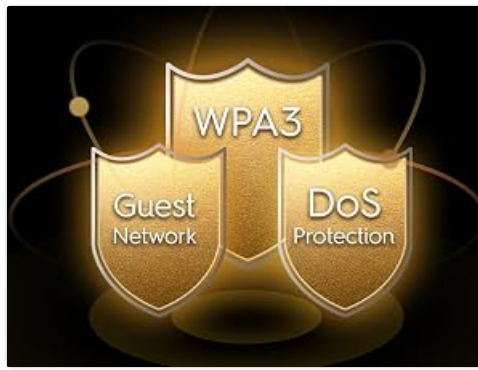


Image: Three golden shield icons symbolizing WPA3 encryption, Guest Network functionality, and DoS Protection, highlighting the system's security features.

7. MAINTENANCE

Regular maintenance ensures your mesh system operates efficiently.

- **Firmware Updates:** Check for and install firmware updates regularly through the Cudy App or web interface to benefit from new features and security enhancements.
- **Rebooting:** Periodically reboot your mesh units to refresh network connections and resolve minor issues.
- **Cleaning:** Keep the units clean and free from dust to prevent overheating. Use a soft, dry cloth.

8. TROUBLESHOOTING

If you encounter issues, try the following solutions:

8.1. No Internet Connection (Red LED)

- Check the connection between your main M3000 unit and the modem. Ensure the Ethernet cable is securely plugged into the WAN port.
- Reboot your modem and then your Cudy M3000 unit.
- Verify your internet service is active by connecting a computer directly to the modem.

8.2. Weak WiFi Signal or Dead Zones

- Adjust the placement of your mesh units to ensure optimal coverage. Avoid placing them near large metal objects or thick walls.
- Consider adding another Cudy M3000 unit to expand coverage.
- If using multiple units, ensure they are within effective range of each other.

8.3. Unable to Access Web Management Page

- Ensure your device is connected to the Cudy M3000's WiFi network or via an Ethernet cable.
- Try clearing your browser's cache or using a different browser.
- Verify you are using the correct address: `http://cudy.net` or `192.168.10.1`.

8.4. Factory Reset

If problems persist, you may need to perform a factory reset. With the unit powered on, press and hold the Reset button (usually located on the back) for about 10 seconds until the LED indicator changes. The unit will reboot with factory default settings.

9. SPECIFICATIONS

Feature	Specification
Brand	Cudy
Model Name	M3000 (1-PACK)_EU V2.0
Frequency Band Class	Dual Band
Wireless Standard	802.11ax (Wi-Fi 6)
Data Transfer Rate	3000 Mbps
Max Upstream Data Transfer Rate	2500 Mbps
WAN Port Bandwidth	2.5G Multi-Gigabit
LAN Port Bandwidth	1000Mbps
Number of Ports	2 (1x WAN, 1x LAN)
Antenna Type	Internal (5 Antennas)
Signal Coverage	Up to 270 m² (with multiple units)
CPU	1.3 GHz Dual-Core Cortex-A53
Installed RAM	256 MB
Security Protocols	WPA2, WPA3
VPN Support	WireGuard, OpenVPN, ZeroTier, IPSec, PPTP, L2TP
Operating Systems	CudyOS, OpenWRT Compatible
Control Method	App, Web Interface
Dimensions (LxWxH)	11L x 11l x 15.5H cm
Weight	360 Grams
Voltage	12 Volt
Recommended Use	Indoor

10. WARRANTY AND SUPPORT

10.1. Product Warranty

The Cudy AX3000 WiFi 6 Mesh System M3000 comes with **a2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

10.2. Technical Support

For technical assistance, troubleshooting, or any questions regarding your Cudy product, please contact Cudy technical support or customer service. You can find contact information on the official Cudy website or in the Quick Installation Guide included with your product.

Official Cudy videos are available to guide users step-by-step through configuration and setup processes.

© 2026 Cudy. All rights reserved.