

Cudy M1300

Cudy AC1200 M1300 Gigabit Whole Mesh WiFi System User Manual

Model: M1300

INTRODUCTION

The Cudy AC1200 M1300 Gigabit Whole Mesh WiFi System is designed to provide seamless, high-speed wireless internet coverage throughout your home or office. This system eliminates Wi-Fi dead zones and delivers a stable connection for multiple devices simultaneously. It supports dual-band Wi-Fi (2.4GHz and 5GHz) and features Gigabit Ethernet ports for reliable wired connections.

Key features include:

- **Whole Home Mesh:** Extends Wi-Fi coverage to eliminate dead zones.
- **AC1200 Wi-Fi Speeds:** Up to 300 Mbps on 2.4GHz and 867 Mbps on 5GHz.
- **Gigabit Wired Speed:** Two Gigabit Ethernet ports per device for high-speed wired connections.
- **Seamless Roaming:** Automatically switches your device to the strongest Wi-Fi signal.
- **Advanced Security:** VPN support (OpenVPN/WireGuard/PPTP/L2TP/Zerotier) and WPA3 security.

WHAT'S IN THE BOX

Upon opening your Cudy AC1200 M1300 package, you should find the following items:

- M1300 Mesh WiFi Unit(s)
- Power Adapter(s)
- Ethernet Cable
- Installation Guide

Connect Up to 100 Devices



High-speed
Downloading

x3



4K
Streaming

x5



IP Camera
Streaming

x15



720P
Streaming

x20



Smart Home
Devices

x25



Web
Browsing

x30



Image: The retail box for the Cudy AC1200 M1300 Mesh WiFi System, showing the product units and branding.

Video: An unboxing video demonstrating the contents of the Cudy M1300 package, including the mesh units, power adapters, and Ethernet cable.

SETUP

Follow these steps to set up your Cudy AC1200 M1300 Mesh WiFi System:

1. **Unpack the Devices:** Remove all M1300 units, power adapters, and the Ethernet cable from the packaging.
2. **Connect the Main Unit:** Choose one M1300 unit to be your main router. Connect your internet modem to one of the Gigabit Ethernet ports on the M1300 unit using the provided Ethernet cable.
3. **Power On:** Connect the power adapter to the main M1300 unit and plug it into a power outlet. Wait for the unit to boot up.

4. **Install the Cudy App:** Download the Cudy app from your smartphone's app store. The app will guide you through the initial setup process, including creating your Wi-Fi network name (SSID) and password.
5. **Place Additional Units:** Strategically place additional M1300 units throughout your home to extend coverage. Cudy recommends placing the router at the center of your place, ensuring no more than two wooden or brick walls, or one concrete wall, between it and each room.
6. **Pair Additional Units:** Power on the additional M1300 units. They should automatically connect to the main unit to form a seamless mesh network. You can also use the one-touch pairing button on the back of the units if needed.



Image: A single Cudy M1300 Mesh WiFi unit, illustrating its compact design and suitability for whole-home coverage.



Image: A screenshot of the Cudy mobile application, demonstrating its interface for streamlined network setup and management.

OPERATING THE MESH SYSTEM

Once set up, your Cudy M1300 Mesh WiFi System operates to provide a consistent and strong Wi-Fi signal.

Seamless Wi-Fi Coverage

The mesh system creates a single, unified Wi-Fi network name (SSID) across all units. As you move around your home, your devices will automatically connect to the strongest available M1300 unit without interruption, ensuring seamless roaming.



Image: A visual representation of seamless Wi-Fi coverage throughout a multi-story home, with devices automatically connecting to the nearest mesh unit.

Connecting Devices

The AC1200 system supports up to 100 devices, including personal computers, security cameras, smart televisions, smartphones, and tablets. You can connect devices wirelessly or use the two Gigabit Ethernet ports on each unit for wired connections.



Image: A family utilizing various devices like laptops, tablets, and smart home gadgets, all connected to the Cudy Mesh WiFi system.

Advanced Security Features

The Cudy M1300 includes advanced security protocols to protect your network:

- **VPN Support:** Build reliable VPN connections with OpenVPN, WireGuard, PPTP, L2TP, and Zerotier.
- **WPA3 Security:** Provides enhanced encryption and protection for your wireless network.
- **DNS Server Options:** Utilize Cloudflare, NextDNS, or Google DNS for improved privacy and performance.



Image: An illustration highlighting the secure internet experience provided by the Cudy Mesh system, featuring VPN client support, WPA3 security, and various DNS server options.

MAINTENANCE

To ensure optimal performance and longevity of your Cudy M1300 Mesh WiFi System, consider the following maintenance tips:

- **Keep Firmware Updated:** Regularly check for and install firmware updates through the Cudy app or web interface. Updates often include performance improvements and security patches.
- **Proper Ventilation:** Ensure the units are placed in well-ventilated areas to prevent overheating. Avoid covering the ventilation holes.
- **Clean Gently:** Dust the units periodically with a soft, dry cloth. Do not use liquid cleaners.
- **Restart Periodically:** A periodic restart (once a month, for example) can help clear temporary glitches and refresh network performance.

TROUBLESHOOTING

If you encounter issues with your Cudy M1300 Mesh WiFi System, try the following troubleshooting steps:

No Internet Connection

- Check if your modem is working correctly.
- Ensure the Ethernet cable between the modem and the main M1300 unit is securely connected.
- Restart both your modem and the M1300 units.

Weak Wi-Fi Signal or Dead Zones

- Relocate your M1300 units to optimize coverage. Ensure they are not too far apart and avoid physical obstructions like thick walls or large metal objects.
- Verify that all M1300 units are powered on and connected to the mesh network.

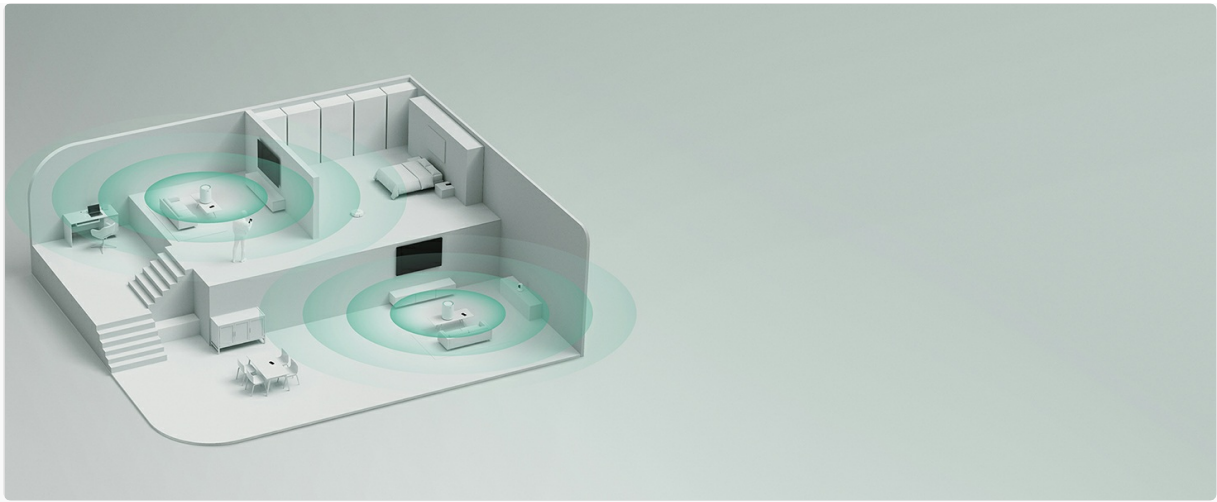


Image: A diagram illustrating how the Cudy Mesh system provides comprehensive Wi-Fi coverage throughout a home, effectively eliminating dead spots and buffering issues.

Slow Speeds

- Check your internet service provider's speed.
- Ensure your devices are connected to the 5GHz band for faster speeds if supported.
- Minimize interference from other electronic devices.

Cannot Access Web Interface or Cudy App

- Ensure your device is connected to the Cudy Wi-Fi network.
- Try restarting the M1300 unit.
- If issues persist, perform a factory reset (refer to the Installation Guide for instructions) and reconfigure the system.

SPECIFICATIONS

Feature	Detail
Model Name	M1300
Wireless Standard	802.11ac
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Wi-Fi Speeds	Up to 300 Mbps (2.4GHz), 867 Mbps (5GHz)
Ethernet Ports	2 x Gigabit Ethernet ports per unit
Special Features	Access Point Mode, Beamforming, Parental Control, VPN Client
Compatible Devices	Personal Computer, Security Camera, Smart Television, Smartphone, Tablet
Product Dimensions	4.33 x 6.02 x 4.33 inches
Item Weight	1.52 pounds

WARRANTY AND SUPPORT

For warranty information, please refer to the official Cudy website or the warranty card included with your product. Cudy provides support through their official channels.

You can also find additional support and FAQs on the [Cudy Amazon Store](#) or by contacting Cudy customer service directly.