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EDUP EP-AC2937

EDUP EP-AC2937 AC1200M Dual Band Mesh WiFi System User Manual

Model: EP-AC2937

1. Introduction

This manual provides detailed instructions for setting up, operating, and maintaining your EDUP EP-AC2937 AC1200M Dual Band Mesh WiFi System. This system is designed to provide seamless, whole-home wireless coverage, eliminating Wi-Fi dead zones and ensuring a stable connection throughout your property.

The EDUP Mesh WiFi System utilizes dual-band AC1200M technology, offering speeds up to 1200Mbps (300Mbps on 2.4GHz and 867Mbps on 5GHz), along with Gigabit Ethernet ports for wired connections. It supports MU-MIMO technology for efficient handling of multiple devices simultaneously.

2. Package Contents

Please check the package carefully to ensure all items are present:

- 2 x EDUP Mesh Routers (EP-AC2937)
- 2 x DC Power Adapters
- 1 x Quick Installation Guide



Image: The package contents, showing two EDUP mesh routers, two power adapters, and the instruction manual.

3. Product Features

- **Whole Home WiFi Coverage:** Utilizes mesh technology to create a unified network with a single SSID, providing seamless roaming throughout your home or office. A single unit covers up to 3000 sq. ft., and a two-pack covers up to 6300 sq. ft.
- **Dual Band AC1200M Speed:** Delivers up to 300Mbps on the 2.4GHz band and 867Mbps on the 5GHz band, totaling 1200Mbps for smooth streaming and gaming.
- **Gigabit Ethernet Ports:** Equipped with Gigabit WAN/LAN ports (10M/100M/1000M) for high-speed wired connections to devices like PCs, smart TVs, and gaming consoles.
- **One-Key Mesh Pairing:** Simplifies the setup process for creating a mesh network with a dedicated AP/INT

switch.

- **MU-MIMO Technology:** Enhances network efficiency by allowing multiple devices to communicate with the router simultaneously, reducing congestion.



Image: A compact EDUP mesh router on a desk, demonstrating its small footprint and suitability for various environments.



Image: An overhead view of a house floor plan with multiple mesh units strategically placed to provide complete WiFi coverage.



Image: An illustration of seamless roaming in an office environment, where a mobile device automatically connects to the strongest mesh signal as the user moves.



Image: A family enjoying television, with the mesh router providing stable Wi-Fi for home entertainment.

4. Setup Guide

Follow these steps to set up your EDUP Mesh WiFi System:

4.1. Main Router Setup

1. **Power On:** Connect one of the mesh routers to a power outlet using the provided DC power adapter.
2. **Connect to Network:** Connect an Ethernet cable from your modem (or existing router's LAN port) to the **WAN/LAN** port (blue port) on the main mesh router.
3. **Set Mode:** Ensure the switch next to the LAN port is set to **INT** (Internet) mode. This router will act as your primary internet gateway.
4. **Wait for Initialization:** Allow a few minutes for the router to power on and establish an internet connection. The LED indicator will show its status (refer to LED indicator section for details).

4.2. Secondary Router Setup (Mesh Pairing)

1. **Power On:** Place the second mesh router in proximity to the main router (for initial pairing) and connect it to a power outlet.
2. **Set Mode:** Ensure the switch next to the LAN port on the secondary router is set to **AP** (Access Point) mode.
3. **Automatic Pairing:** The secondary router will automatically detect and pair with the main router. This process may take up to two minutes. Once paired, the LED indicator will confirm the connection.
4. **Placement:** After successful pairing, you can move the secondary router to a desired location within your home to extend Wi-Fi coverage. Ensure it is within range of the main router or another mesh node for optimal performance.



Image: A visual guide to setting up the main router (connect network cable, switch to INT) and secondary router (no network cable, switch to AP).

4.3. Connecting to the WiFi Network

Once your mesh system is set up, you can connect your devices:

- On your smartphone, tablet, or computer, search for available Wi-Fi networks.
- Select the SSID (network name) broadcast by your EDUP Mesh system. The default SSID and password can

usually be found on a sticker on the bottom of the router.

- Enter the Wi-Fi password when prompted.
- Your device will now be connected to your mesh Wi-Fi network.

5. Operating Instructions

5.1. Seamless Roaming

The EDUP Mesh WiFi System creates a single, unified network name (SSID) across all mesh units. As you move around your home, your devices will automatically switch to the strongest Wi-Fi signal from the nearest mesh node without any interruption to your connection. This ensures a consistent and strong Wi-Fi experience everywhere.

5.2. Adding More Mesh Units

You can expand your mesh network by adding more EDUP EP-AC2937 units. Up to four units can be used together to cover larger areas (over 8500 sq. ft.). To add a new unit, follow the "Secondary Router Setup" steps (Section 4.2) for each additional unit.



Image: A multi-story building diagram illustrating how mesh units can extend WiFi coverage across different floors and rooms from a single initial setup.

5.3. Wired Connections

Each mesh router is equipped with Gigabit Ethernet ports. You can connect devices like desktop computers, gaming consoles, or smart TVs directly to the LAN ports of any mesh unit for a stable and high-speed wired connection.

6. Maintenance

- **Placement:** For optimal performance, place mesh units in open areas, away from obstructions like large metal objects, thick walls, and other electronic devices that may cause interference (e.g., microwaves, cordless phones).
- **Firmware Updates:** Regularly check the EDUP official website for firmware updates. Keeping your device's firmware up-to-date ensures optimal performance, security, and access to new features.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mesh units. Do not use liquid cleaners or aerosols.
- **Rebooting:** If you experience network issues, try rebooting your mesh system by unplugging the power adapters from all units for 10 seconds and then plugging them back in, starting with the main router.

7. Troubleshooting

Q: No internet access after setup.

A:

- Ensure the Ethernet cable from your modem is securely connected to the**WAN/LAN** (blue) port of the main router.
- Verify that the main router's AP/INT switch is set to**INT**.
- Check if your modem is working correctly. Try restarting your modem.
- Confirm that your ISP connection is active.

Q: Secondary router not connecting to the mesh.

A:

- Ensure the secondary router's AP/INT switch is set to **AP**.
- Place the secondary router closer to the main router during the initial pairing process.
- Restart both the main and secondary routers.

Q: Slow Wi-Fi speeds.

A:

- Ensure mesh units are placed optimally, avoiding obstructions and sources of interference.
- Check if too many devices are connected and actively using bandwidth.
- Verify your internet service provider's speed.
- Try rebooting the entire mesh system.

8. Specifications

Feature	Description
Model Name	EP-AC2937
Wireless Standard	IEEE 802.11ac/a/b/g/n
Frequency Band	Dual-Band (2.4GHz & 5GHz)
Wireless Speed	2.4GHz: 300Mbps, 5GHz: 867Mbps (Total: 1200Mbps)
Ethernet Ports	1x Gigabit WAN/LAN, 1x Gigabit LAN (10/100/1000Mbps)
Security Protocols	WPA2, WPA3
Control Method	App
Operating System	Linux
Power Supply	DC 12V

9. Official Product Video

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Video: An official product video from EDUP demonstrating the features and benefits of the Whole Home Mesh WiFi System, including its coverage and ease of setup.

10. Warranty and Support

10.1. Warranty Information

Your EDUP EP-AC2937 Mesh WiFi System comes with an **18-month manufacturer replacement warranty** and a **45-day no-questions-asked return policy**. Please retain your proof of purchase for warranty claims.

10.2. Technical Support

For any questions or technical assistance regarding your EDUP product, please contact our support team:

- **Support Phone:** +1 (323) 248-1976
- **Manufacturer Website:** Visit the official EDUP website for FAQs, driver downloads, and further support resources.

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