

[Manuals.plus](#) /

› [TP-Link](#) /

› TP-Link Deco AXE5300 Wi-Fi 6E Tri-Band Whole-Home Mesh Wi-Fi System User Manual

TP-Link AXE5300

TP-Link Deco AXE5300 Wi-Fi 6E Tri-Band Whole-Home Mesh Wi-Fi System User Manual

Model: AXE5300 | Brand: TP-Link

INTRODUCTION

Welcome to the user manual for your TP-Link Deco AXE5300 Wi-Fi 6E Tri-Band Whole-Home Mesh Wi-Fi System. This system is designed to provide superior, seamless Wi-Fi coverage throughout your entire home, eliminating dead zones and ensuring a stable connection for up to 200 devices. Featuring Wi-Fi 6E technology, it utilizes the latest 6GHz band for incredible speeds and enhanced performance. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your Deco mesh system to help you achieve optimal network performance.



Image: The TP-Link Deco AXE5300 Wi-Fi 6E Tri-Band Whole-Home Mesh Wi-Fi System, showing three units.

PACKAGE CONTENTS

Your TP-Link Deco AXE5300 system typically includes the following items:

- Three (3) Deco AXE5300 units (identical cylindrical devices)
- Three (3) Power Adapters for each unit
- One (1) Ethernet Cable
- One (1) Quick Installation Guide



Image: A single Deco AXE5300 unit, showcasing its compact design.

SETUP

Setting up your Deco mesh system is a straightforward process using the Deco mobile app. Follow these steps for a smooth installation:

1. **Download the Deco App:** Search for "TP-Link Deco" in your mobile app store (App Store for iOS or Google Play Store for Android) and download the application.
2. **Prepare Your Modem:** Turn off your existing modem and disconnect any old routers.

3. **Connect the Main Deco Unit:** Plug one of the Deco units into your modem using the provided Ethernet cable. Connect the power adapter to the Deco unit and plug it into a power outlet.
4. **Reboot Modem:** Power on your modem and wait for it to fully boot up and establish an internet connection.
5. **Follow App Instructions:** Open the Deco app and follow the on-screen instructions. The app will guide you through creating a TP-Link ID, setting up your Wi-Fi network name (SSID) and password.
6. **Add Additional Deco Units:** Once the first Deco unit is set up, the app will prompt you to add the remaining units. Place them strategically around your home to maximize coverage. The units will automatically connect to the main Deco unit.
7. **Firmware Update:** Ensure you perform any available firmware updates through the Deco app. This is crucial for optimal performance and security.
8. **2.4 GHz Devices:** If you have older smart home devices that only support 2.4 GHz Wi-Fi, you may need to set up a dedicated 2.4 GHz guest network through the Deco app for these devices to connect reliably.



Image: The rear of a Deco AXE5300 unit, highlighting its Ethernet ports and power input.

Note: No official seller videos were available for embedding in this manual.

OPERATING INSTRUCTIONS

The TP-Link Deco AXE5300 system provides a robust and intelligent Wi-Fi experience:

- **Seamless Roaming:** Move freely throughout your home without experiencing dropped connections. Your devices will automatically switch to the Deco unit with the strongest signal.

- **Tri-Band Technology:** The system utilizes three Wi-Fi bands (2.4 GHz, 5 GHz, and 6 GHz) to ensure optimal performance and dedicated backhaul for communication between Deco units, reducing congestion.
- **Device Prioritization (QoS):** Use the Deco app to prioritize certain devices or activities (e.g., gaming, streaming) to ensure they receive maximum bandwidth.
- **Parental Controls:** Manage internet access for family members, set time limits, and block inappropriate content directly from the Deco app.
- **Guest Network:** Create a separate Wi-Fi network for guests, keeping your main network secure and private.

MAINTENANCE

To ensure the longevity and optimal performance of your Deco mesh system, consider the following maintenance tips:

- **Regular Firmware Updates:** Always keep your Deco units updated to the latest firmware version through the Deco app. Updates often include performance improvements, security patches, and new features.
- **Optimal Placement:** Ensure your Deco units are placed in open areas, away from large metal objects, thick walls, and other electronic devices that might cause interference.
- **Cleaning:** Periodically clean the exterior of the Deco units with a soft, dry cloth. Ensure ventilation holes are free from dust and debris to prevent overheating.
- **Restarting Units:** If you experience network issues, try restarting your Deco units (unplug and replug the power) and your modem. This can often resolve minor glitches.

TROUBLESHOOTING

Here are some common issues and their solutions:

- **No Internet Connection:**
 - Check if your modem is working correctly.
 - Ensure the Ethernet cable between the main Deco unit and the modem is securely connected.
 - Verify the LED status on your Deco unit. A solid blue light indicates a healthy connection.
 - Try restarting your modem and the main Deco unit.
- **Slow Wi-Fi Speeds:**
 - Check the placement of your Deco units. They should be within reasonable range of each other and the main unit.
 - Minimize interference from other electronic devices (microwaves, cordless phones).
 - Ensure your devices are compatible with Wi-Fi 6E for optimal performance.
 - Run a speed test through the Deco app to diagnose network performance.
- **Devices Not Connecting:**
 - Verify you are using the correct Wi-Fi password.

- For older devices, ensure they support the Wi-Fi standard (e.g., 2.4 GHz) and consider setting up a dedicated guest network for them.
- Try restarting the problematic device and the nearest Deco unit.

- **Resetting a Deco Unit:**

If a Deco unit is unresponsive or you need to factory reset it, locate the reset button on the bottom of the unit. Use a paperclip to press and hold the button for about one second until the LED blinks red.

SPECIFICATIONS

Feature	Detail
Brand	TP-Link
Model Number	AXE5300
Product Dimensions	12 x 10 x 4 inches
Item Weight	6.21 pounds
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz, 6 GHz)
Wireless Communication Standard	802.11ax (Wi-Fi 6E)
Connectivity Technology	Wi-Fi, Ethernet
Antenna Type	Internal
Color	White/Black
Recommended Uses	Home
Coverage (3-Pack)	Up to 7,200 Sq Ft
Max Connected Devices	Up to 200 devices

WARRANTY AND SUPPORT

As a renewed product, the TP-Link Deco AXE5300 Wi-Fi System is covered by the Amazon Renewed Guarantee, which provides eligibility for replacement or refund within 90 days of purchase if you are not satisfied. Please note that manufacturer warranty support for renewed products may be limited or not honored by TP-Link directly beyond this period, as indicated by some user experiences.

For further assistance, please refer to the Quick Installation Guide included in your package or visit the official TP-Link support website for general product information and troubleshooting resources.