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TP-Link Deco X50-Outdoor(1-pack)

TP-Link Deco X50-Outdoor Mesh WiFi System User Manual

Model: Deco X50-Outdoor (1-pack)

1. INTRODUCTION

The TP-Link Deco X50-Outdoor is an advanced AX3000 Dual Band Wi-Fi 6 Mesh system designed to extend high-performance wireless coverage to outdoor areas such as backyards, guest houses, and patios. This weatherproof unit features 2 Gigabit PoE ports, supporting both 802.3at PoE+ and AC power supply for flexible installation.



Figure 1: The TP-Link Deco X50-Outdoor Mesh WiFi unit, a cylindrical white device with a black top, designed for outdoor use.

Key features include Wi-Fi 6 for faster speeds, robust weatherproofing against dust and heavy rain, and seamless integration with existing TP-Link Deco Mesh Wi-Fi systems. It is engineered to eliminate dead zones and provide stable connections for over 150 devices across large areas.



Figure 2: An infographic detailing the key features of the Deco X50-Outdoor, including Wi-Fi 6 AX3000, waterproof and dustproof design, PoE/AC power supply, coverage up to 2,500 sq. ft., and connectivity for over 150 devices.

2. PACKAGE CONTENTS

- 1 x Deco X50-Outdoor Unit
- 1 x AC Power Adapter
- 1 x RJ45 Ethernet Cable
- Wall Mounting Kit
- Installation Guide

3. SETUP

Setting up your Deco X50-Outdoor is designed to be straightforward using the Deco app. The unit supports flexible installation options, including pole-mount and wall-mount, allowing for optimal placement in various outdoor environments.

Flexible Installation to Meet Every Scenario Outdoors

Easily install Deco Outdoor on a pole or mount it on a wall to allow Wi-Fi deployment in complex outdoor environments.

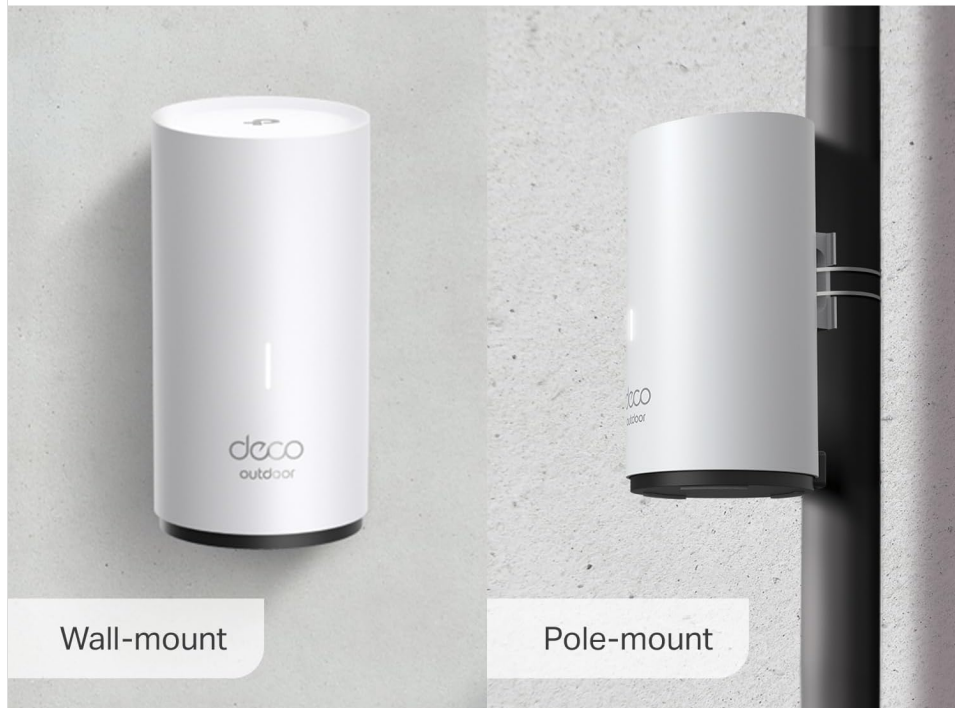


Figure 3: Illustration demonstrating the versatile installation methods for the Deco X50-Outdoor, showing both wall-mounted and pole-mounted configurations.

The Deco X50-Outdoor supports both 802.3at PoE+ and traditional AC power supply. Utilizing Power over Ethernet (PoE) allows for data and power transmission through a single Ethernet cable, simplifying installation by eliminating the need for a nearby power outlet.

Supports 802.3at PoE and AC Power Supply

With PoE Built-in, you can set up the Deco anywhere via ethernet cable without worrying about proximity to a power outlet



Figure 4: A visual guide explaining the power options for the Deco X50-Outdoor, detailing how Power over Ethernet (PoE) can supply both data and power, and the alternative AC power supply using a standard adapter.

Initial Setup Steps:

1. Download the TP-Link Deco app from your mobile app store.
2. Connect the Deco X50-Outdoor unit to your modem or existing Deco network using the provided Ethernet cable.
3. Power on the Deco unit using either the AC adapter or a PoE+ switch.
4. Follow the on-screen instructions in the Deco app to complete the network setup. The app provides clear visual guidance for a quick setup process.

Official Setup Video:

Your browser does not support the video tag.

Video 1: An official TP-Link video demonstrating the setup process and features of the Deco Mesh WiFi system, including whole-home coverage solutions.

4. OPERATING YOUR DECO MESH NETWORK

The Deco X50-Outdoor seamlessly integrates into your existing Deco Mesh Wi-Fi system, extending high-speed Wi-Fi 6 coverage. All Deco models are designed to work together, creating a unified network that provides strong and stable connections throughout your property.

Works with all TP-Link Deco Mesh WiFi

Easily add the Deco X50-Outdoor to your existing Deco Mesh WiFi system with the Deco App

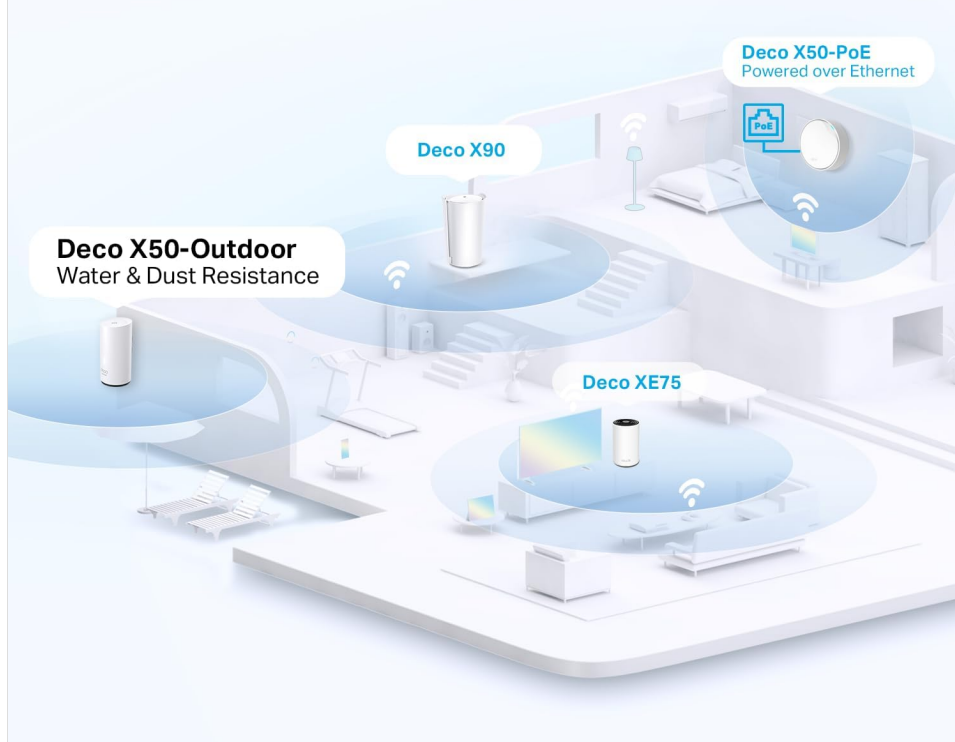


Figure 5: A diagram illustrating how the Deco X50-Outdoor integrates with other Deco units like Deco X90, Deco XE75, and Deco X50-PoE to create a comprehensive mesh Wi-Fi network across different areas of a home.

Enjoy fast and stable Wi-Fi in your backyard, guest house, and by the swimming pool. The Deco X50-Outdoor ensures uninterrupted 8K/4K streaming and online gaming for your family and friends outdoors.



Figure 6: The Deco X50-Outdoor unit shown mounted on a pole outside a modern home, demonstrating its capability to extend ultra-fast mesh Wi-Fi 6 to outdoor living spaces.

5. MAINTENANCE

The Deco app provides easy management of your network, allowing you to monitor connected devices, set parental controls, and prioritize traffic (Quality of Service). TP-Link HomeShield offers premium security services to protect your home network and IoT devices.

HomeShield Features:

- **Basic Network Security:** Includes Security Scan and IoT Device Identification.
- **Basic Parental Controls:** Manage internet access for family members.
- **Quality of Service (QoS):** Prioritize devices or activities for optimal performance.
- **Basic Weekly/Monthly Reports:** Overview of network usage and security.

For advanced features and comprehensive protection, consider upgrading to the HomeShield Pro Plan. Regular firmware updates are also recommended to ensure optimal performance and security.

6. TROUBLESHOOTING

If you encounter any issues with your Deco X50-Outdoor, refer to the following general troubleshooting tips:

- **No Internet Connection:** Check all cable connections, ensure your modem is working correctly, and restart both the modem and Deco unit.
- **Weak Wi-Fi Signal:** Ensure Deco units are placed optimally, avoiding physical obstructions. Consider adding more Deco units for larger coverage areas.
- **Device Disconnection:** Verify that the Deco unit's indicator light is green. If red, refer to the Deco app for

specific error messages and solutions.

- **App Issues:** Ensure your Deco app is updated to the latest version. Try reinstalling the app if problems persist.

For detailed troubleshooting guides and FAQs, please consult the official TP-Link support website or the comprehensive PDF manuals linked below.

7. SPECIFICATIONS

Feature	Detail
Model Name	Deco X50-Outdoor(1-pack)
Product Dimensions	4.78 x 4.33 x 8.48 inches
Item Weight	1.99 pounds
Connectivity Technology	Wi-Fi, Ethernet
Wireless Communication Standard	802.11n, 802.11ax, 802.11b, 802.11g, 802.11ac
Frequency Band Class	Dual-Band
Special Features	QoS, Weatherproof, Access Point Mode, Guest Mode
Power Input	IEEE 802.3at PoE or 100-240V~50/60Hz 0.5A AC
Recommended Uses	Outdoor

8. WARRANTY

The TP-Link Deco X50-Outdoor Mesh WiFi system typically comes with a manufacturer's warranty. Please refer to the official TP-Link website or the warranty card included in your product packaging for specific warranty terms, conditions, and duration. Keep your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, or to access the latest documentation, please visit the official TP-Link support website. You can also find detailed user guides and installation manuals in PDF format:

- [Installation Manual \(PDF\)](#)
- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)

TP-Link is committed to cybersecurity and privacy, adhering to the Secure-by-Design pledge. HomeShield, a built-in service, is available in all HomeShield routers and Deco mesh products, providing network and IoT protection.

Our Commitment to Cybersecurity and Privacy



TP-Link is a signatory of the U.S. Cybersecurity and Infrastructure Security Agency's (CISA) Secure-by-Design pledge.

This device is designed, built, and maintained with advanced security as a core requirement.

Learn more at: www.cisa.gov/securebydesign



HomeShield is a built-in service, available in all HomeShield routers and Deco mesh products.

- Router Security Scan
- Wireless Security Scan
- IoT Device Identification
- Basic Parental Controls
- IoT Protection*
- Web Protection*
- Intrusion Prevention*
- Antivirus Protection*

*Included with HomeShield premium subscription service

Figure 7: An image highlighting TP-Link's dedication to cybersecurity and privacy, featuring their Secure-by-Design initiative and the HomeShield service for network and IoT protection.