



deco AX6000 Whole Home Mesh WiFi 6 System Owner's Manual

[Home](#) » [deco](#) » deco AX6000 Whole Home Mesh WiFi 6 System Owner's Manual 

Contents

- [1 deco AX6000 Whole Home Mesh WiFi 6 System](#)
- [2 Product Usage Instructions](#)
- [3 Highlights](#)
- [4 Features](#)
- [5 Specifications](#)
- [6 Documents / Resources](#)



deco AX6000 Whole Home Mesh WiFi 6 System



Product Information

The AX6000 Whole Home Mesh Wi-Fi 6 System, also known as Deco X80, is a superior mesh Wi-Fi system that provides seamless and customized Wi-Fi coverage for your home. Equipped with AI-Driven Mesh technology, this system learns and improves itself to deliver the best Wi-Fi experience tailored to your home and network environment. With Wi-Fi 6 technology, it eliminates Wi-Fi dead zones and provides faster speeds for seamless streaming. The system also includes TP-Link HomeShield, a premium security service that protects your network and connected devices from cyber threats.

Key Features:

- AI-Driven Mesh technology
- Wi-Fi 6 with faster speeds
- Seamless coverage throughout the home
- TP-Link HomeShield for network and IoT protection
- 2.5 Gbps wired connection

Product Usage Instructions

To set up the Deco X80 Whole Home Mesh Wi-Fi 6 System, follow these steps:

1. Download the Deco App on your mobile device.
2. Connect one Deco unit to your modem using an Ethernet cable.
3. Power on the Deco unit and wait for the LED indicator to turn solid blue.
4. Open the Deco App and follow the on-screen instructions to create a TP-Link ID and set up your network.
5. Add additional Deco units to expand the mesh network coverage. Follow the same steps for each additional unit.
6. Once all Deco units are connected, the mesh network will be formed with a single network name.
7. Use the Deco App to manage your network settings, such as parental controls, QoS prioritization, and network protection.
8. For optimal performance, place the Deco units strategically throughout your home to ensure strong Wi-Fi coverage in every area.

For more detailed instructions and information on advanced features, refer to the user manual provided with the product or visit the TP-Link website.

Highlights

AI-Driven Mesh, Customized Wi-Fi for You Armed with AI-Driven Mesh technology, Deco X80 automatically learns and improves itself from experience. This provides the ideal mesh Wi-Fi unique to your home and network environment. Walk through your home and enjoy seamless streaming at the fastest possible speeds.

Deco X80 = Dual-Band Wi-Fi 6 + Seamless AI-Driven Mesh + Multi-Gig Internet Connection + HomeShield

Wi-Fi Dead-Zone Killer



Eliminate weak signal areas with clearer, stronger whole home Wi-Fi generated by Wi-Fi 6. No more searching around for a stable connection.△

Seamless AI-Driven Mesh



Deco Mesh system forms a unified network with a single network name. With built-in AI-Roaming technology, it creates the ideal Mesh Wi-Fi solution with its advanced algorithms and self-learning. Walk through your home and enjoy seamless streaming at the fastest possible speeds.†

Multi-Gig Internet Connection



A 2.5 Gbps port and 2 Gigabit ports allow you to take full advantage of your broadband speed. Plug your PCs, smart TVs, or game consoles into the ports for blazing-fast wired connections.

TP-Link HomeShield



TP-Link's premium security services keep your home network safe with cutting-edge features for network and IoT protection.*

Network Protection



Detects cyber threats to keep your privacy and connected devices well protected.

Parental Controls



Manage online time and block inappropriate content to maintain healthy online habits.

Quality of Service (QoS)



Prioritize your bandwidth needs to get a faster networking experience.

Comprehensive Reports



Gain full statistics and insights to help you understand your home network better.

Features

Wi-Fi Speed



Faster Wi-Fi speed with stronger whole home Wi-Fi generated from Wi-Fi 6

- Superior Wireless Speed – Combines wireless speeds up to 4804 Mbps on 5 GHz, and 1148 Mbps on 2.4 GHz
- More Devices Connected – Connects up to 200 devices†

TP-Link HomeShield



TP-Link's premium security services keep your home network safe with cutting-edge features for network and IoT protection.§

- Network Protection – Detects cyber threats to keep your privacy and connected devices well protected
- Parental Controls – Manages online time and blocks inappropriate content to keep families healthy online
- Quality of Service (QoS) – Prioritizes your bandwidth needs to get a faster networking experience
- Comprehensive Reports– Gains full statistics and insights to help you know your home network better

Note: HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit <https://www.tp-link/homeshield> for more information.

Easy Setup by Deco App



Easily set up Decos and find the ideal spot to place each unit

- Auto Connection Test – Tests the internet connection of your Decos and helps to identify a suitable location for them
- Remote Management – Manages your Deco network from a smartphone or tablet via the app, no matter where you find yourself
- Online Upgrade – Keeps informed of the latest firmware updates

Security



Safeguard your home network with a firewall and wireless encryption

- Encryption for Secure Network – WPA/WPA2/WPA3 encryptions provide active protection against security threats
- Firewall – Protects your network devices from malicious attacks
- Deny List – Add specific devices to deny list to protect your network from unauthorized users

Two Modes in One



Choose the Wireless Router mode or Access Point mode for your network needs

- Wireless Router Mode – Creates an instant private wireless network
- Access Point Mode – Creates Wi-Fi access for any existing wired network

Work with All Deco Models





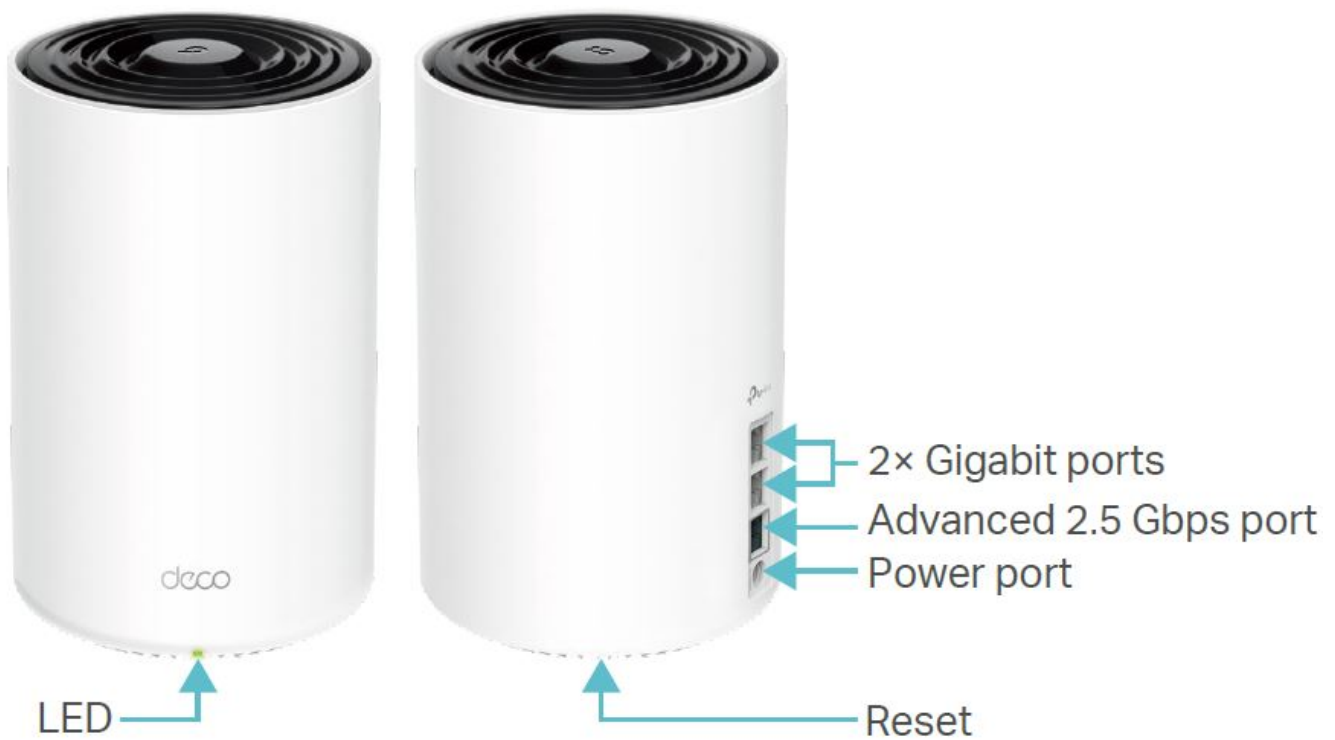
Form a Mesh network with your desired Deco models

- Compatible with All Deco Models – All Deco models can work together. Just expand Mesh Wi-Fi coverage anytime by adding more Decos
- Deco Mesh Technology – Eliminates dead zones and provides uninterrupted WiFi throughout your home

Specifications

Hardware

- Ethernet Port: 1× 2.5 Gbps port + 2× Gigabit ports per Deco unit (WAN/LAN auto-sensing)
- Button: 1 RESET button on the underside
- Antenna: 4 high-gain antennas
- Power Consumption (with power adapter): 19 W max (US version); 15 W max (EU version)
- Dimensions (W × D × H): 4.1 × 4.1 × 6.7 in (105 × 105 × 169 mm)
- Power Adapter Input: 100-240 V ~ 50/60 Hz 0.8 A (US version); 100-240 V ~ 50/60 Hz 0.6 A (EU version)
- Power Adapter Output: 12 V  2 A (US version); 12 V  1.5 A (EU version)



Wireless

Wireless Standards: IEEE 802.11a/n/ac/ax 5 GHz, IEEE 802.11b/g/n/ax 2.4 GHz

- Mesh protocol: 802.11k/v/r
- Frequency: 2.4 GHz and 5 GHz
- Signal Rate: 4804 Mbps on 5 GHz + 1148 Mbps on 2.4 GHz†
- Transmit Power: FCC: <30 dBm(2.4 GHz), <30 dBm(5 GHz) CE: <20 dBm (2.4 GHz), <30 dBm (5 GHz)
- Wireless Security: WPA/WPA2-PSK/WPA3 encryptions

Software

Working Mode: Router, Access Point

- WAN Type: Dynamic IP/Static IP/PPPoE/L2TP/PPTP
- DHCP: Server
- Protocols: Supports IPv4 and IPv6
- Guest Network: 2.4 GHz Guest Network×1, 5 GHz Guest Network×1
- Features: TP-Link HomeShield, BSS Color△, OFDMA△, HE160△, 1024-QAM△, MU-MIMO△, Optional Ethernet Backhaul, Assisted Setup, Address Reservation, Port Forwarding, TP-Link DDNS, IPTV, IPv6, Firewall Rules, LED Control
- Management: Local Management; Remote Management; Multi-Managers

Others

- Certification: CE, FCC, RoHS
- Environment:
Operating Temperature: 0°C~40°C (32 °F~104 °F)
- Package Contents for Deco X80(1-pack):
 - 1 Deco X80 unit

- 1 RJ45 Ethernet cable
- 1 Power adapter
- Quick Installation Guide
- Package Contents for Deco X80(2-pack):
 - 2 Deco X80 units
 - 1 RJ45 Ethernet cable
 - 2 Power adapters
 - Quick Installation Guide
- Package Contents for Deco X80(3-pack):
 - 3 Deco X80 units
 - 1 RJ45 Ethernet cable
 - 3 Power adapters
 - Quick Installation Guide

Attention: This device may only be used indoors in Great Britain.

Attention: This device may only be used indoors in all EU member states, EFTA countries and Northern Ireland. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications are subject to change without notice. TP-Link is a registered trademark of TP-Link Corporation Limited. Other brands and product names are trademarks or registered trademarks of their respective holders. Copyright ©2021 TP-Link Corporation Limited. All rights reserved.

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage, and quantity of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

△Use of Wi-Fi 6 and other features including OFDMA, MU-MIMO, 1024-QAM, HE160, and BSS Color require clients to also support the corresponding features. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions.

‡Clients need to support 802.11k/v/r and may require additional setup.

Performance may vary depending on the client device.


*HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit tp-link.com/homeshield for more information.

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Documents / Resources

	<p>deco AX6000 Whole Home Mesh WiFi 6 System [pdf] Owner's Manual</p> <p>AX6000, AX6000 Whole Home Mesh WiFi 6 System, Whole Home Mesh WiFi 6 System, Mesh WiFi 6 System, WiFi 6 System</p>
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