deco™ DSL | AX3000 Whole Home Mesh Wi-Fi 6 Modem Router

HomeShield · Compatible with amazon alexa · works with Google Home · Wi-Fi 6

# AX3000 Whole Home Mesh Mesh Wi-Fi 6 Modem Router

## Superior Mesh Wi-Fi, Everywhere

**Super VDSL**
**Support 350 Mbps**
**VDSL Access***

- Work as A **VDSL** Modem Router
- **3,000** Mbps Dual-Band Wi-Fi†
- Connect over **150** Devices†

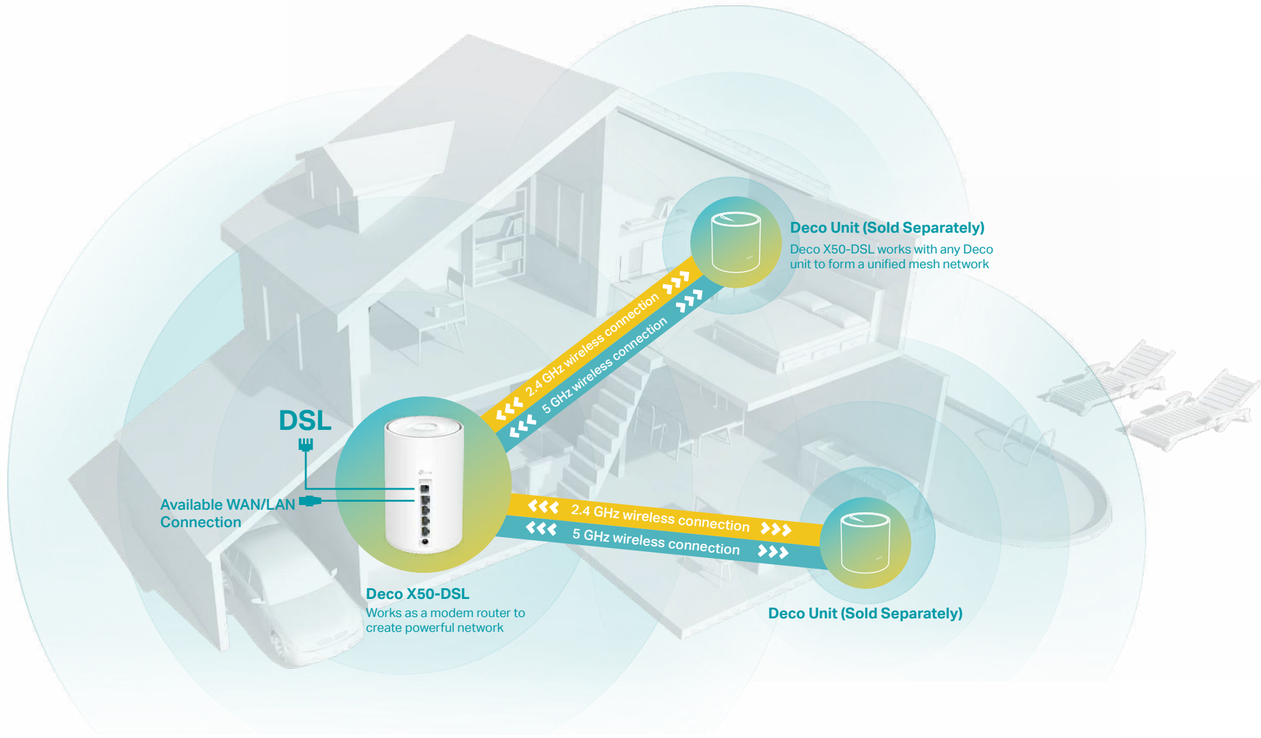
Deco X50-DSL



# Highlights

### 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.‡




## Superior Mesh Wi-Fi , Everywhere
Deco DSL = TP-Link Mesh Technology + Wi-Fi 6 + HomeShield + DSL Modem Router

### 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**
Detect cyber threats to keep your privacy and connected devices well protected.

**Parental Controls**
Manage online time and block inappropriate content to keep families 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 know 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 2402 Mbps on 5 GHz , and 574 Mbps on 2.4 GHz
- More Devices Connected – Connects over 150 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
- Block List – Add specific devices to block list to protect your network from unauthorized users

## Three Modes in One

**Choose DSL Modem Router, Wireless Router mode or Access Point mode for your network needs**

- DSL Modem Router Mode – Provides stable internet access with the features of both DSL modem and router
- 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: 4 × Gigabit ports per Deco unit (WAN/LAN auto-sensing)
- Button: 1 RESET button above the ports
- DSL Port: 1 RJ11 port
- Antenna: 2 × dual-band antennas
- Power Consumption (with power adapter): : 19.7 W max
- Dimensions (W × D × H): 4.13 × 4.13 × 6.57 in (105 × 105 × 167 mm)
- Compatibility:VDSL2/ADSL2+/ADSL2/ADSL
- Power Adatper Input: 100-240 V~50/60 Hz 0.6 A
- Power Adatper Output: 12 V ⎓ 1.5 A




## 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: 2402 Mbps on 5 GHz + 574 Mbps on 2.4 GHz[†]
- Transmit Power: CE: <20 dBm (2.4 GHz), <23 dBm (5 GHz)
- Wireless Security: WPA/WPA2/WPA3

## Software

- Working Mode: DSL, 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, AI-Driven Mesh, BSS Color, OFDMA, 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, RoHS
- Environment:
  Operating Temperature: 0°C~40°C (32°F~104°F)
  Storage Temperature: -40°C~60°C (-40 °F~140 °F)
  Operating Humidity: 10%~90% RH
  Storage Humidity: 5%~90% RH
- Package Contents for Deco X50-DSL:
  1 × Deco X50-DSL unit
  2 × RJ11 DSL cables
  1 × External DSL splitter
  1 × RJ45 Ethernet cable
  1 × Power Adapter
  Quick Installation Guide

Attention: This device may only be used indoors in all EU member states, EFTA countries and Northern Ireland.

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

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[†]Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and 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.

[‡]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/homeshield for more information.

[^]Use of Wi-Fi 6 and other features including OFDMA, MU-MIMO, 1024-QAM, HE160, 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.

[*]Actual DSL downlink speeds vary between households. Factors affecting DSL speeds include the internet service level, real-time network capacity, equipment and client limitations, environmental factors.

[**]All WAN/L AN ports will operate as either WAN or LAN ports. Only one port can serve as a WAN port at a time.