

TP-Link Deco X20(1-pack)

TP-Link Deco X20 AX1800 Whole Home Mesh Wi-Fi 6 System User Manual

Model: Deco X20 (1-pack)

INTRODUCTION

The TP-Link Deco X20 AX1800 Whole Home Mesh Wi-Fi 6 System is designed to provide seamless, high-performance Wi-Fi coverage throughout your home. This system eliminates Wi-Fi dead zones and buffering by creating a unified network, ensuring a stable and fast internet connection for all your devices. Each Deco X20 unit features two Gigabit Ethernet ports with WAN/LAN auto-sensing capabilities, allowing it to function as a Wi-Fi router. All TP-Link Deco Mesh Wi-Fi devices are compatible and can work together to expand your network coverage.



Image: A single TP-Link Deco X20 unit, showcasing its compact, cylindrical design in white with the TP-Link logo.



Image: A promotional graphic highlighting the Deco X20's ability to provide fast and stable Wi-Fi 6 throughout the home, featuring a Deco unit on a modern desk setup.

WHAT'S IN THE BOX

Your TP-Link Deco X20 package includes the following items:

- 1 x Deco X20 Unit
- 1 x Power Adapter
- 1 x RJ45 Ethernet Cable

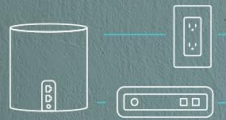
SETUP

Setting up your Deco X20 system is a straightforward process using the TP-Link Deco app. Follow these steps for a quick and easy installation:

1. **Connect to your modem and power:** Connect one Deco unit to your modem using the provided Ethernet cable. Plug the power adapter into the Deco unit and an electrical outlet.

Setup Made Easy

1. Connect to your modem and power.



2. Download the Deco app and follow the on-screen instructions.



3. Power on the other Decos, which will automatically join the network.

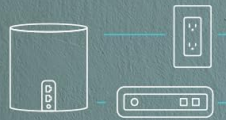


Image: A visual guide illustrating the first step of setup, connecting the Deco unit to a modem and power source.

2. **Download the Deco app:** Search for "TP-Link Deco" in the App Store (iOS) or Google Play Store (Android) and download the application. Open the app and follow the on-screen instructions to create a TP-Link ID and set up your first Deco unit.

Setup Made Easy

1. Connect to your modem and power.



2. Download the Deco app and follow the on-screen instructions.



3. Power on the other Decos, which will automatically join the network.



Image: A visual guide illustrating the second step of setup, downloading and using the Deco app on a smartphone.

3. **Power on other Decos:** If you have multiple Deco units, power them on. They will automatically join the network created by the first Deco unit. Place them strategically to ensure optimal coverage throughout your home.

Setup Made Easy

1. Connect to your modem and power.



2. Download the Deco app and follow the on-screen instructions.



3. Power on the other Decos, which will automatically join the network.



Image: A visual guide illustrating the third step of setup, powering on additional Deco units for network expansion.

OPERATING YOUR DECO X20 SYSTEM

The Deco X20 system provides advanced features to enhance your home network experience.

Seamless Whole-Home Wi-Fi Coverage

The Deco X20 system creates a unified mesh network, allowing you to move freely throughout your home without losing connection. It covers up to 2,200 square feet, eliminating dead zones and providing consistent high-performance Wi-Fi 6.

No-Drop WiFi Up to 2,200 sq. ft.

Never lose WiFi connection as you move throughout your home on a single WiFi network.

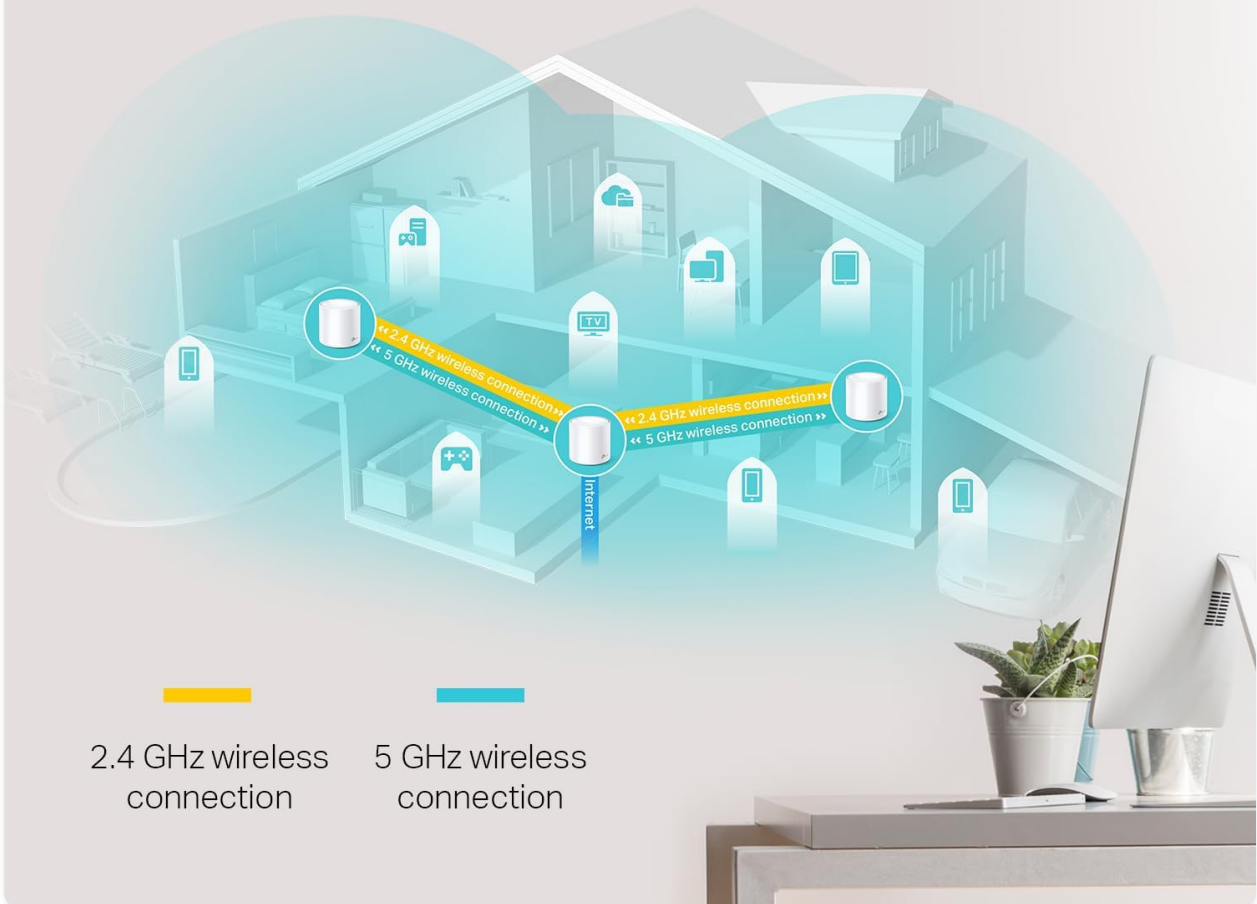


Image: An illustration demonstrating seamless Wi-Fi coverage provided by Deco units throughout a house, highlighting 2.4 GHz and 5 GHz connections.

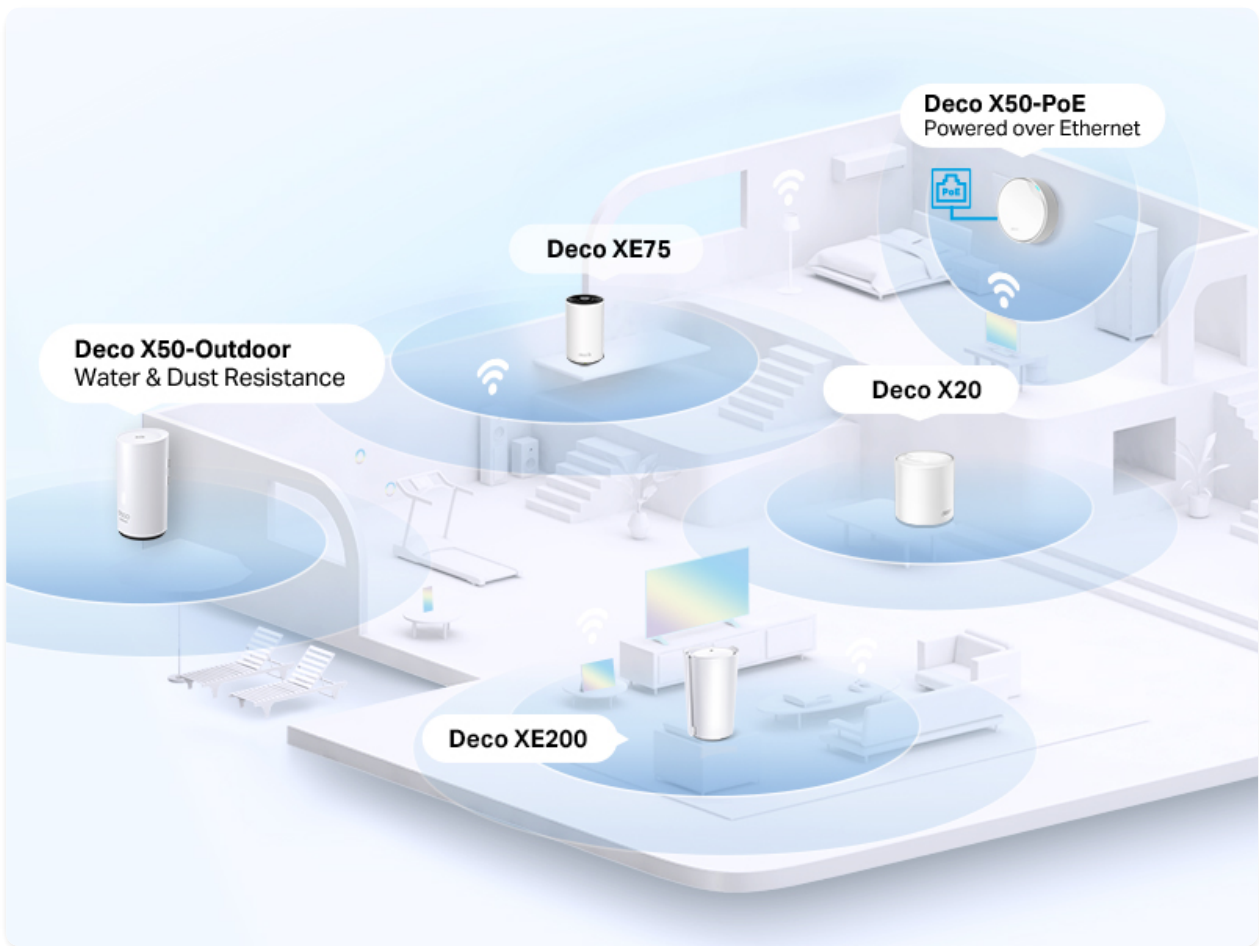


Image: A diagram illustrating how different Deco models, including the X20, can be strategically placed to provide comprehensive Wi-Fi coverage across various indoor and outdoor areas of a home.

Wi-Fi 6 Speeds and Device Connectivity

Leveraging Wi-Fi 6 (802.11ax) technology, the Deco X20 delivers faster speeds and improved efficiency. Features like OFDMA and MU-MIMO quadruple capacity, enabling simultaneous transmission to more devices. It supports up to 150 connected devices without significant slowdowns.

Wi-Fi 6 Speeds

Faster speeds for buffer-free streaming and online gaming.

5GHz:

1200Mbps

2.4GHz:

575Mbps



1024-QAM

More data encoded at one time



Higher Symbol Rate

11% faster speed

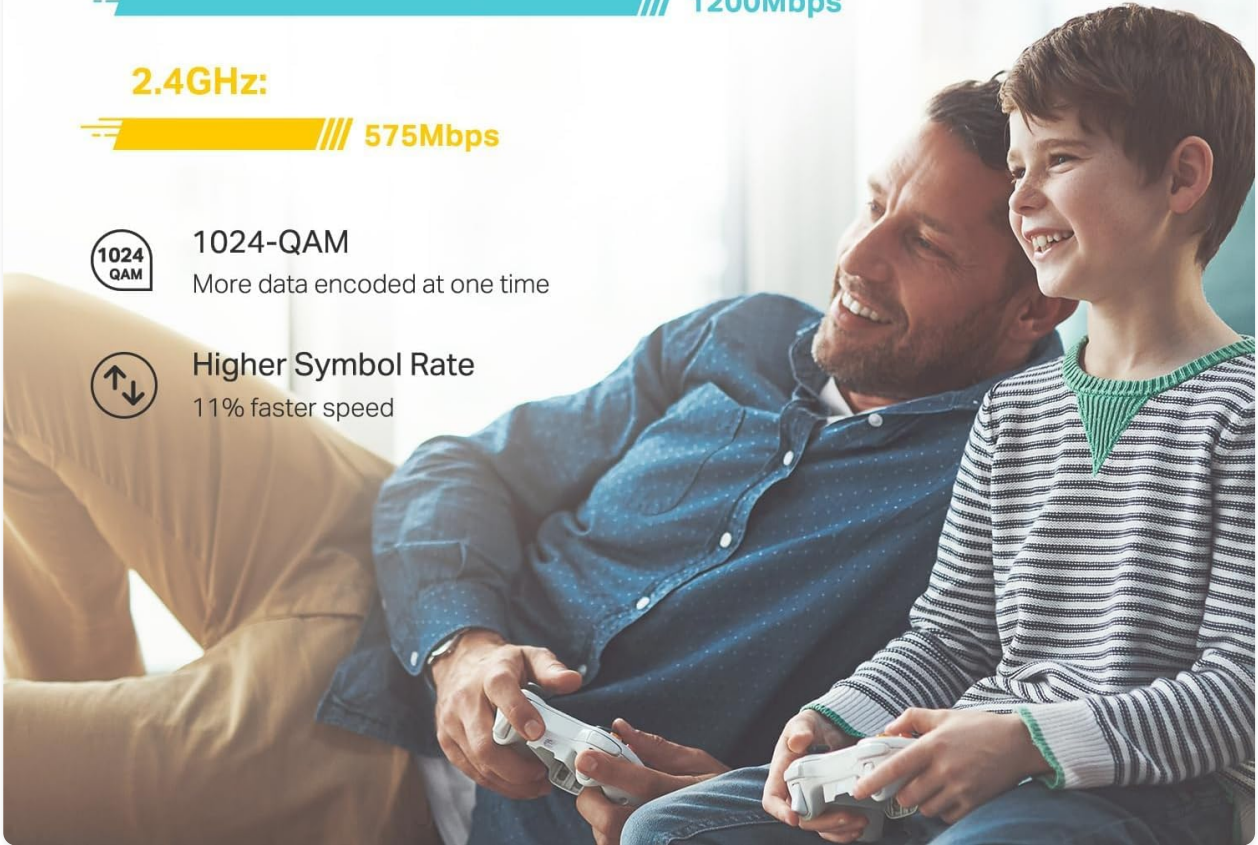


Image: A graphic detailing Wi-Fi 6 speeds, showing 1200Mbps for 5GHz and 575Mbps for 2.4GHz, along with benefits like 1024-QAM and an 11% higher symbol rate.

Connect Up to 150 Devices

Connect more devices without slowing down.




Image: An infographic illustrating the Deco X20's capability to connect up to 150 devices, with examples like 4K streaming, web browsing, IP camera streaming, and smart home devices.

Parental Controls and HomeShield Security

Manage and monitor internet usage with robust parental controls, allowing you to customize Wi-Fi access for every person and device. The system also includes TP-Link HomeShield, a premium security service offering cutting-edge network and IoT protection.

- **Basic Network Security:** Includes Security Scan and IoT Device Identification.
- **Basic Parental Controls:** Manage access and content.
- **Quality of Service (QoS):** Prioritize devices or activities.
- **Basic Weekly/Monthly Reports:** Overview of network activity.

For advanced features like Intrusion Prevention, Web Protection, and Antivirus Protection, a HomeShield Pro Plan subscription may be required. TP-Link is a signatory of the U.S. Cybersecurity and Infrastructure Security Agency's (CISA) Secure-by-Design pledge.

 tp-link Based in the U.S.A.

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

Image: A graphic explaining TP-Link's "Secure by Design" philosophy and the features of HomeShield, emphasizing network and IoT protection.

MAINTENANCE

To ensure optimal performance and longevity of your TP-Link Deco X20 system, consider the following maintenance tips:

- **Firmware Updates:** Regularly check for and install firmware updates through the Deco app. Updates often include performance improvements, security patches, and new features.
- **Placement:** Ensure Deco units are placed in open areas, away from large metal objects, thick walls, and other electronic devices that might cause interference.
- **Cleaning:** Keep the units clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Restarting:** If you experience network issues, try restarting your Deco units and modem. This can often resolve minor connectivity problems.

- **App Monitoring:** Utilize the Deco app to monitor network status, connected devices, and potential issues.

TROUBLESHOOTING

Here are some common troubleshooting tips for your Deco X20 system:

- **No Internet Connection:**

- Check if your modem is working correctly.
- Ensure the Ethernet cable is securely connected between the Deco unit and the modem.
- Restart your modem and the main Deco unit.
- Verify your internet service provider (ISP) settings in the Deco app.

- **Weak Wi-Fi Signal or Dead Zones:**

- Relocate Deco units to optimize coverage. Try placing them equidistant from each other and the main Deco.
- Ensure there are no major obstructions (e.g., thick concrete walls, large metal appliances) between Deco units.
- Add more Deco units if your coverage area is larger than recommended.

- **Devices Not Connecting:**

- Ensure the device's Wi-Fi is enabled and it's trying to connect to the correct Deco network.
- Restart the problematic device.
- Check the Deco app for any blocked devices or parental control restrictions.
- Try forgetting the network on the device and reconnecting.

- **Slow Speeds:**

- Run a speed test through the Deco app to check the internet speed reaching your main Deco.
- Ensure your devices are connecting to the optimal Deco unit.
- Check for high network traffic or too many devices simultaneously streaming/downloading.
- Consider enabling QoS (Quality of Service) in the Deco app to prioritize certain devices or applications.

- **Deco Unit LED Status:**

- **Solid Green:** Deco is working normally.
- **Solid Red:** Deco has no internet connection.
- **Pulsing Blue:** Deco is ready for setup.
- **Pulsing Red:** Deco is experiencing an issue.

For more detailed troubleshooting or specific issues, refer to the TP-Link support website or contact their customer service.

SPECIFICATIONS

Feature	Detail
Model Name	Deco X20
Wireless Standard	IEEE 802.11ax/ac/n/a 5 GHz, IEEE 802.11n/b/g 2.4 GHz
Wi-Fi Speeds	AX1800 (1201 Mbps on 5 GHz, 574 Mbps on 2.4 GHz)
Ethernet Ports	2 Gigabit ports per Deco unit (WAN/LAN auto-sensing)
Dimensions	4.33 x 4.33 x 4.49 inches (110 x 110 x 114 mm)
Coverage Area	Up to 2,200 sq. ft. (1-pack)
Max Connected Devices	Up to 150 devices
Security	WPA3, WPA2, TP-Link HomeShield
Special Features	OFDMA, MU-MIMO, BSS Color, WPS, Parental Controls, QoS
Power Supply	12V 1.5A

WARRANTY AND SUPPORT

TP-Link provides a limited warranty for its products. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official TP-Link website.

For technical support, product registration, and frequently asked questions, please visit the TP-Link support page:

[TP-Link Support
Website](#)

You can also download the full user manual and other documentation from the TP-Link support site or directly from the Amazon product page under the "Product guides and documents" section.

[Download User Manual
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This manual is for informational purposes only. Specifications are subject to change without notice.