





User Guide AC1200 Whole Home Mesh Wi-Fi System

Contents

About This Guide 1	Blacklist19
Appearance2	Upgrade Your Deco20
Set Up Your Deco 3	WPS21
Add More Decos 7	Parental Controls22
Dashboard ····· 8	QoS23
Check Deco Status9	Advanced Features24
Set Main Deco10	Monthly Report29
Manage Connected Devices11	Managers30
Remove/Reboot Deco12	Authentication31
Create A New Network13	
Delete A Network 15	
Wi-Fi Settings 16	
Guest Network17	
Network Optimization18	

About This Guide

This guide provides a brief introduction to Deco Whole Home Mesh Wi-Fi System and the Deco app, as well as regulatory information.

Features available in Deco may vary by model and software version. Deco availability may also vary by region or ISP. All images, steps, and descriptions in this guide are only examples and may not reflect your actual Deco experience.

Conventions

In this guide, the following conventions are used:

Convention	Description
Deco	Stands for Deco Whole Home Mesh Wi-Fi System/Unit.
<u>Underline</u>	Hyperlinks are in teal and underlined. You can click to redirect to a website or a specific section.
Teal	Key information appears in teal, including management page text such as menus, items, buttons and so on.
Note:	Ignoring this type of note might result in a malfunction or damage to the device.
Ø Tips:	Indicates important information that helps you make better use of your device.

More Info

- Specific product information can be found on the product page at https://www.tp-link.com.
- A Technical Community is provided for you to discuss our products at https://community.tp-link.com.
- Our Technical Support contact information can be found at the Help center of the Deco app and the Contact Technical Support page at https://www.tp-link.com/support.

Speed/Coverage/Device Quantity Disclaimer

Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range, coverage, and maximum quantity of connected devices are based on test results under normal usage conditions. Actual wireless data throughput. wireless coverage, and quantity of connected devices are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection quality, and client condition.

MU-MIMO Disclaimer

Use of MU-MIMO requires clients to also support MU-MIMO.

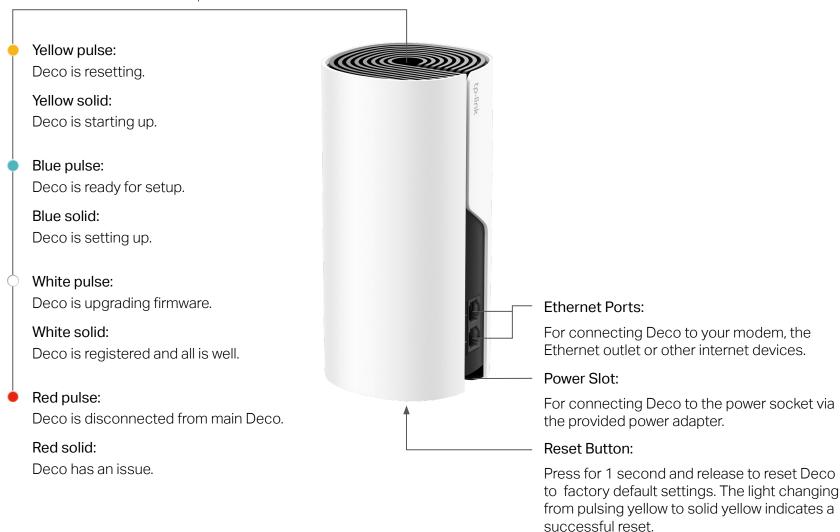
Seamless Roaming Disclaimer

Clients need to support 802.11k/v/r and may require additional set up. Performance may vary depending on the client device.

Appearance

Each Deco has an LED that changes color according to its status, two RJ-45 Ethernet ports, a power slot, and a Reset button. See the explanation below:

Tip: The product label can be found at the bottom of the product.



Set Up Your Deco

The intuitive Deco app guides you through an easy setup process that gets each unit up and running and all your devices connected and online. Follow the steps below to set up your Deco Whole Home Mesh Wi-Fi System.

1. Download and install the Deco app

Scan the QR code below or go to Google Play or the App Store to download the Deco app. Install the app on your Android or iOS smartphone or tablet.



or





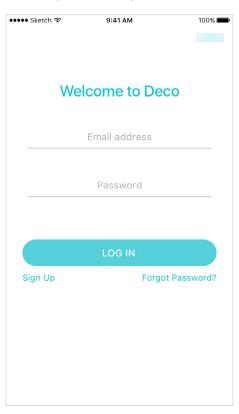




2. Log in with TP-Link ID

Open the app. Use your TP-Link ID to log in. If you don't have a TP-Link ID, sign up first.

Note: If you forgot your login password, tap Forgot Password?. The Deco app will guide you through the rest.



3. Identify your Deco

Choose your Deco model.



4. Plug in and power on Deco

Power off your modem. Connect your Deco to the modem and power them both on.

If you don't have a modem, connect the Ethernet outlet directly to your Deco.



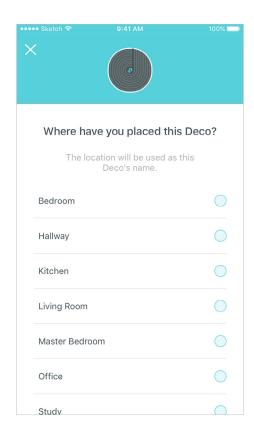
5. Connect to the Deco's Wi-Fi

Wait until the Wi-Fi Signal LED pulses blue, then connect to the Deco's Wi-Fi using the default SSID printed on the product label.



6. Select a location

Select a location for this Deco. If its location is not listed, you can create a new one by choosing Custom. This will be the name of your Deco.



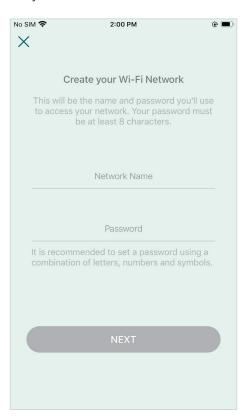
7. Set up internet connection

Select the internet connection type and enter the information. If you are not sure, contact your internet service provider.



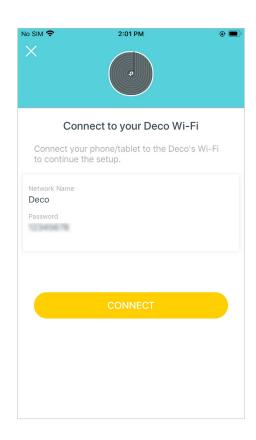
8. Create your Wi-Fi network

Set a network name and a password. These will be the name and password you use to connect your devices to Wi-Fi.



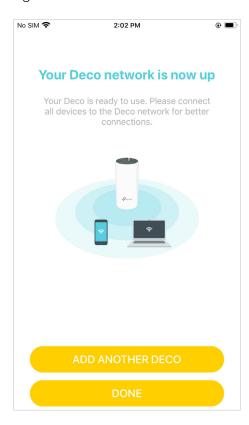
9. Connect to your Wi-Fi network

Connect your phone/tablet to the Deco's new Wi-Fi.



10. Setup complete

Your Deco network is now up. Connect all devices to the Deco network. You can also add more Deco units to expand the Wi-Fi coverage.



Add More Decos

After created a Deco network, you can add more Deco units to the network to expand the Wi-Fi coverage and manage them easily on your Deco app.

In Overview, tap . Select the Deco model you want to add, and follow app instructions to complete the setup.

Devices

2 online

TP-Link-lphone

ChenyindeiPhone

TRybps

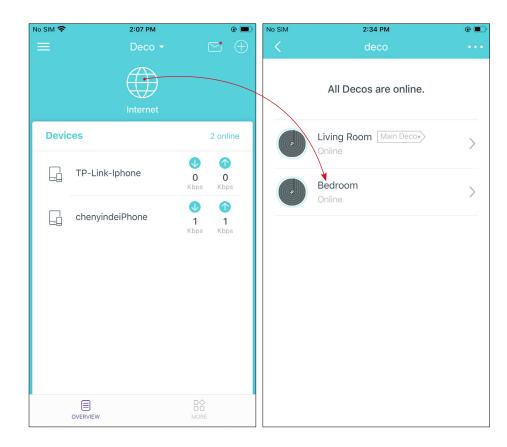
TRybps

TP-Link-lphone

TRybps

TR

After the setup, you can find the added Deco units by tapping in Overview.



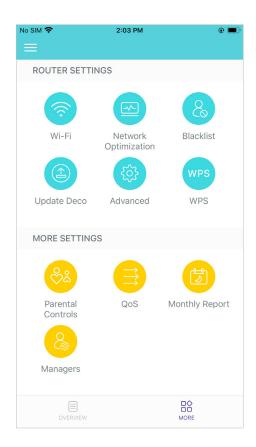
Dashboard

After you successfully set up your Deco network, you will see the dashboard of the Deco app. Here you can get an overview of the network status, check the connected clients, and configure more advanced features.

Tap
to get an overview of the network status and online clients



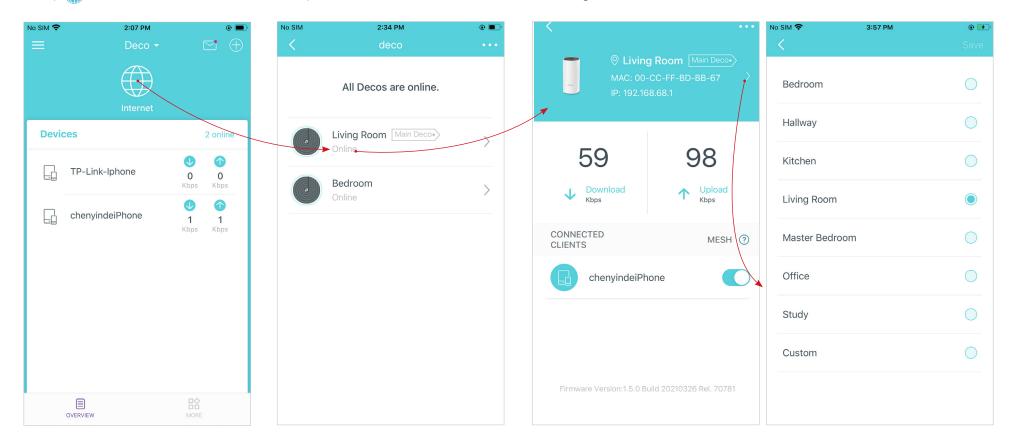
Tap for more features



Check Deco Status

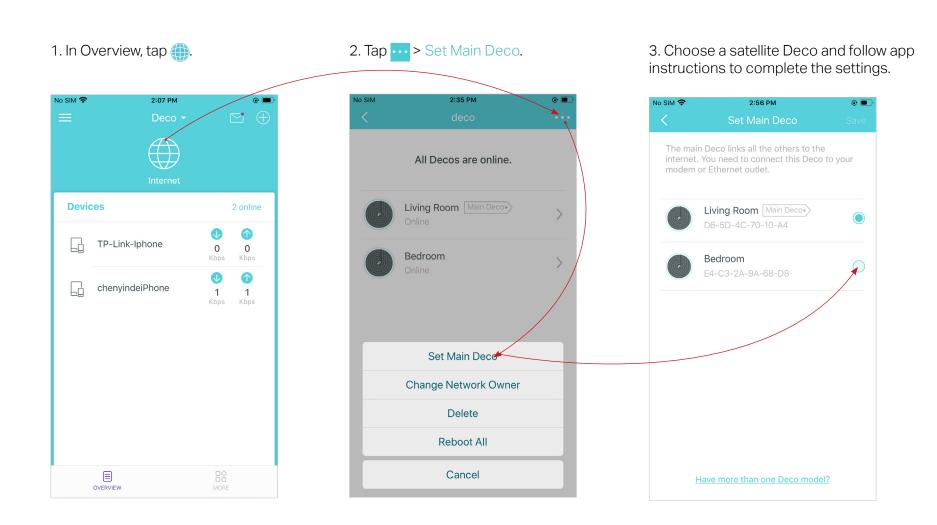
In Overview, you can check the working status of all the Decos, check the details of each Deco unit, change the Deco's location/name, and more.

1. Tap 🌐 to check all Decos' status. 2. Tap a Deco unit to check the details. 3. Change or customize the location/name of the Deco.



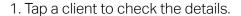
Set Main Deco

After setup, you can replace the main Deco with any satellite Deco without resetting and reconfigure the whole network.

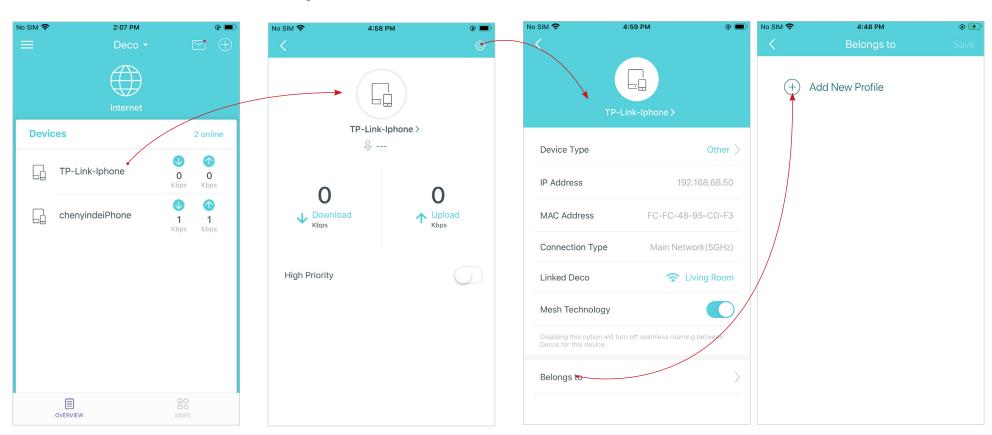


Manage Connected Devices

In Overview, you can check the working status of all the connected devices, view the device details, and change the device settings.



- 2. Tap to manage the device settings.
- 3. Tap Belongs to to add a unique profile for the device and manage its online activities.



Remove/Reboot Deco

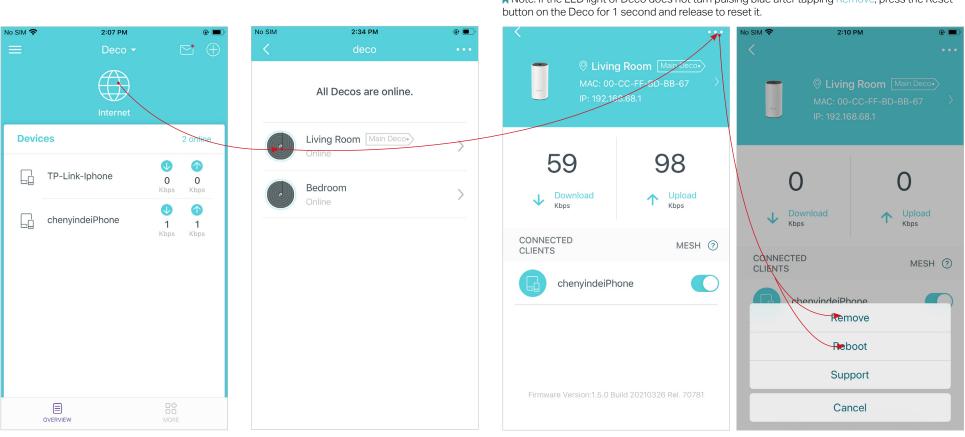
You can remove or reboot your Deco easily in the Deco app. Follow the steps below.

Note: Removing a Deco will reset it to factory default settings. You can also press the Reset button at the bottom of Deco for 1 second and release to quickly reset your Deco to factory default settings.

2. Select a Deco unit.

3. Tap ... to remove or reboot the Deco.

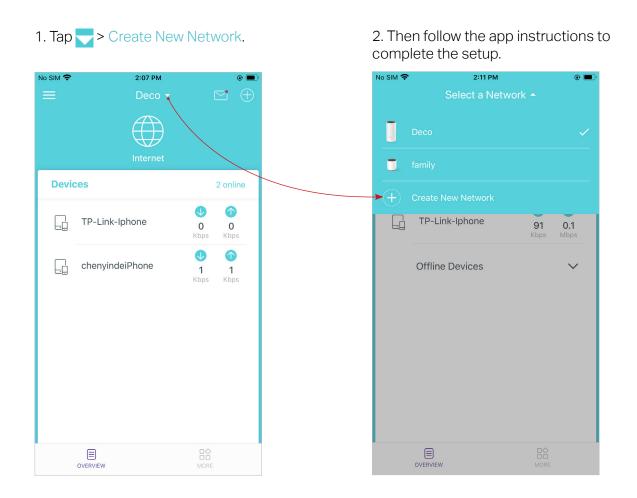
Note: If the LED light of Deco does not turn pulsing blue after tapping Remove, press the Reset



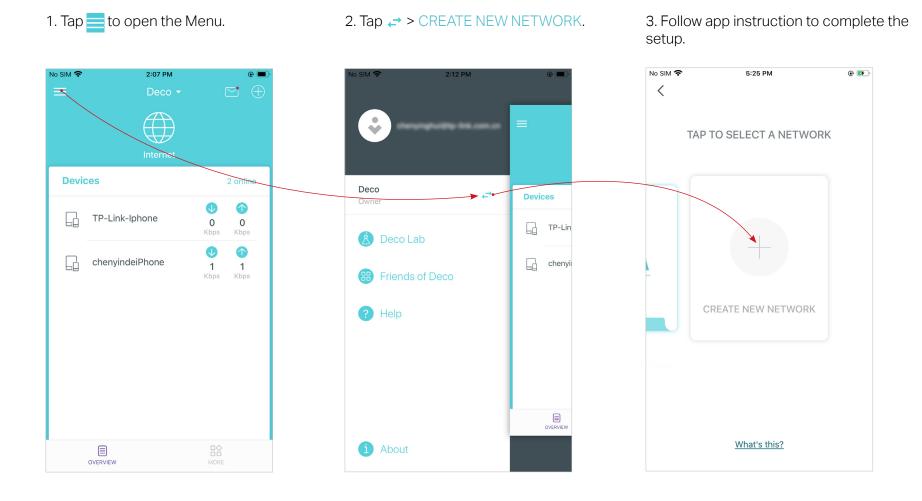
Create A New Network

In the Deco app, you can create different Deco networks linked with your TP-Link ID and manage them conveniently from the Deco app with one account. You can also help family or friends manage their network on your Deco app. Two methods are provided as below to create a new network:

Method 1. Create a new network from the Overview page



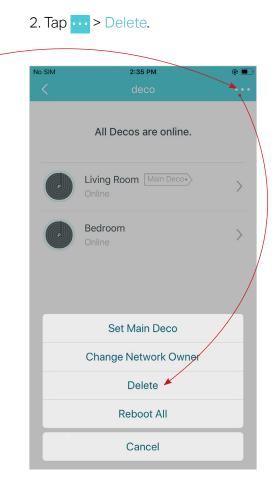
Method 2. Create a new network from the Menu page



Delete A Network

You can delete a Deco network if you don't need it anymore. Deleting a Deco network will reset all Decos in this network to factory default settings.



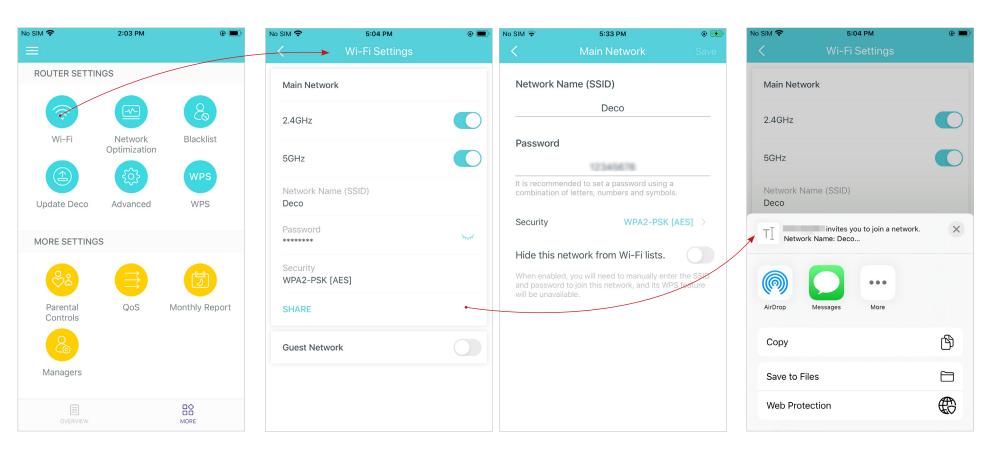


Wi-Fi Settings

You can change the network name and password of your main network at any time and share the network easily with family and friends.

Tap □ > Wi-Fi.

Manage main network (eg. change your main network's Wi-Fi name and Share your network with others. password).



Guest Network

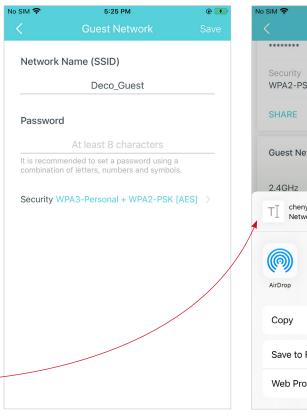
You can create and share a separate network for guests to guarantee the security and privacy of your main network.

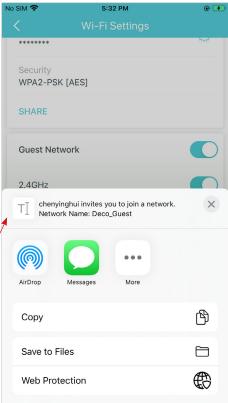
Tap $\stackrel{\triangle}{\square}$ > Wi-Fi and enable Guest Network.

No SIM 🛜 5:04 PM ***** **ROUTER SETTINGS** Security WPA2-PSK [AES] **SHARE** Blacklist Network Optimization **Guest Network WPS** WPS Update Deco Advanced 2.4GHz MORE SETTINGS 5GHz Network Name (SSID) Deco_Guest Parental QoS Monthly Report Controls ***** WPA3-Personal + WPA2-PSK [AES] Managers **SHARE**

Set a Wi-Fi name and password for the guest network.

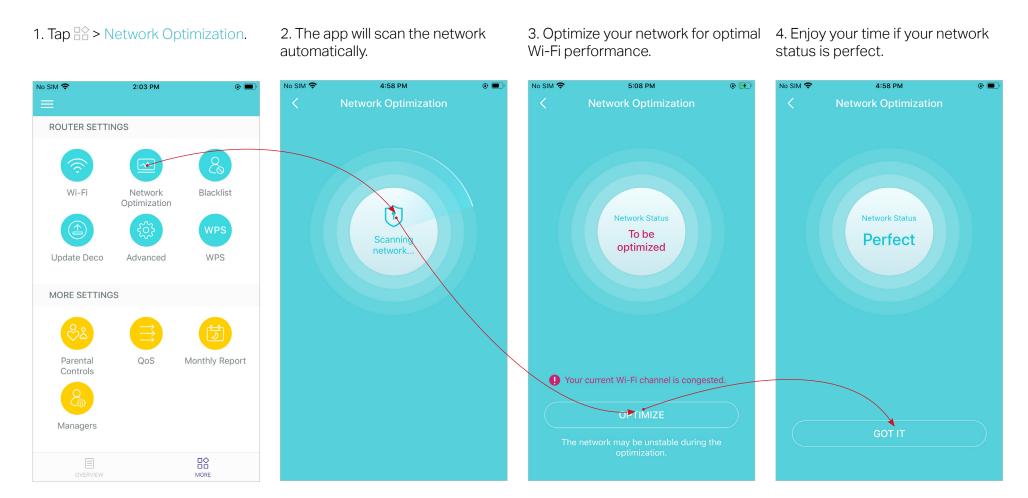
Share your guest network with others.





Network Optimization

Network Optimization lets your Deco intelligently scan for a clearer channel and switch your devices to it, ensuring optimal Wi-Fi performance.

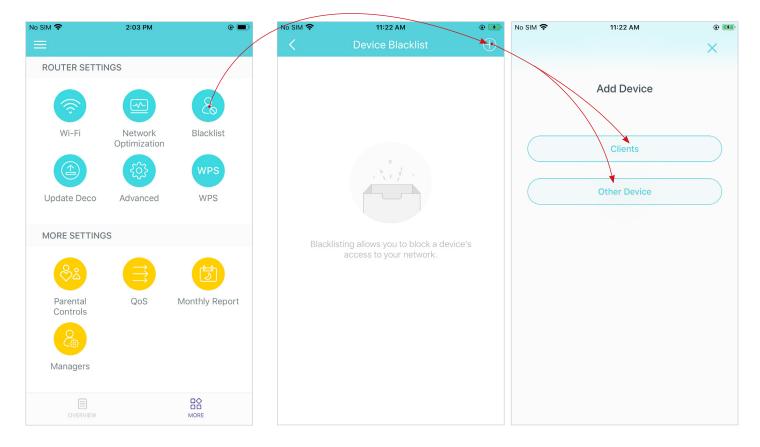


Blacklist

Compile a blacklist to avoid devices added on the blacklist to access to your network, ensuring the safety of your personal information shared in the network.

1. Tap □♦ > Blacklist.

2. Tap ① on the top right corner and add clients or other devices to the blacklist.

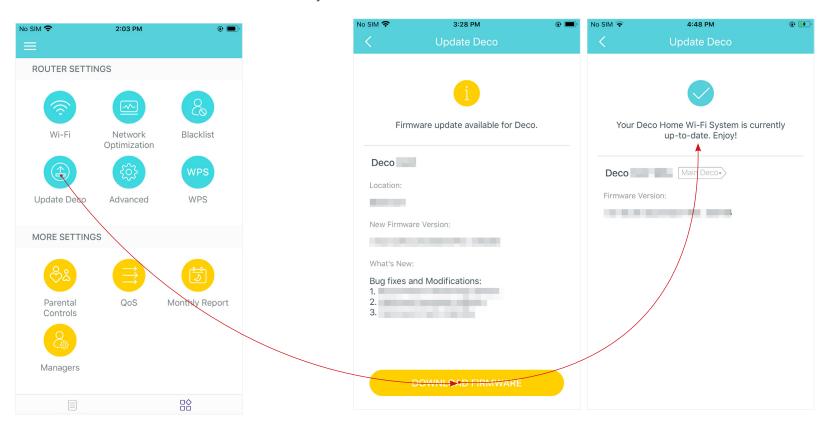


Upgrade Your Deco

TP-Link is dedicated to improving product features and providing a better customer experience. An up-to-date firmware provides better and more stable network performance. Always update your Deco to the latest firmware version when prompted in the Deco app.

1. Tap □♦ > Update Deco.

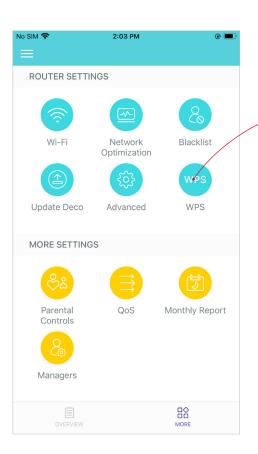
2. Download and install the firmware (if any) and follow app instructions to update your Deco to the latest version.



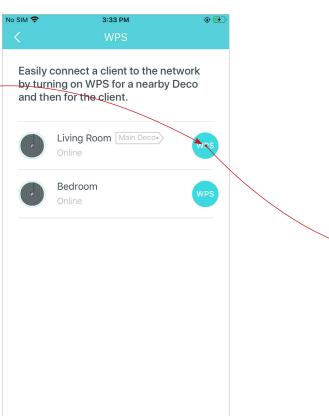
WPS

WPS (Wi-Fi Protected Setup) helps you to quickly and securely connect a client to a network with a tap without entering any password.

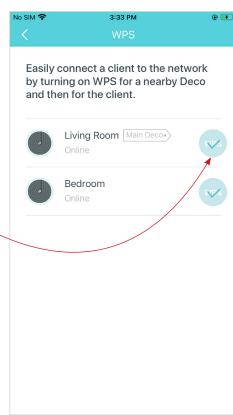




2. Tap the WPS icon in the Deco app and then on your client.



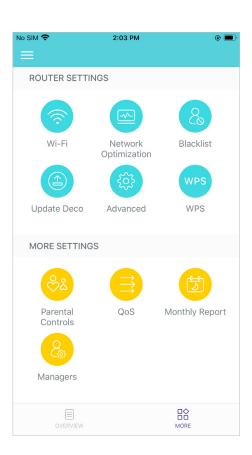
3. Your client has connected to the network successfully if shown as below.



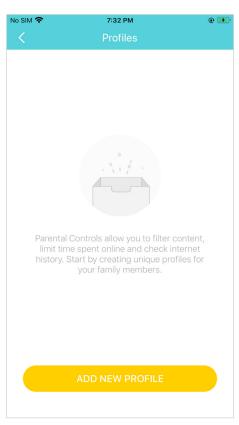
Parental Controls

Parental Controls allows you to filter content, limit time spent online and check internet history. Start by creating unique profiles for your family members.

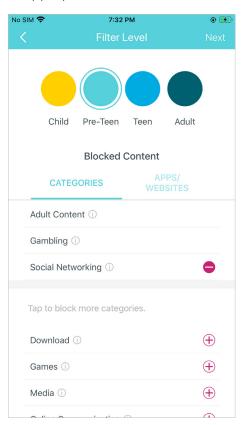
1. Tap □ > Parental Controls.



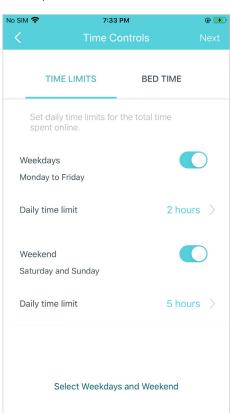
2. Create unique profiles for family members.



3. Set filter level to block unappropriate contents.



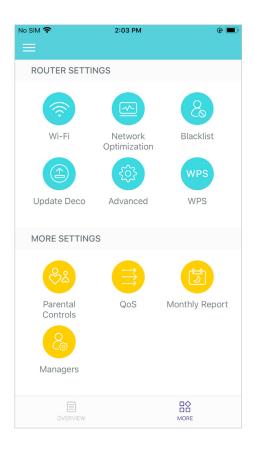
4. Set daily time limits for the total time spent online.



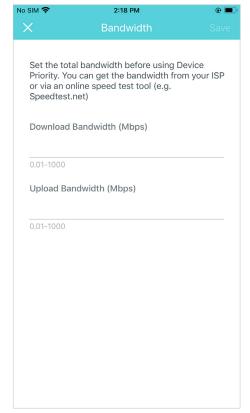
QoS

QoS (Quality of Service) helps you set priority for specific applications and devices, so that they can perform better with lower latency.

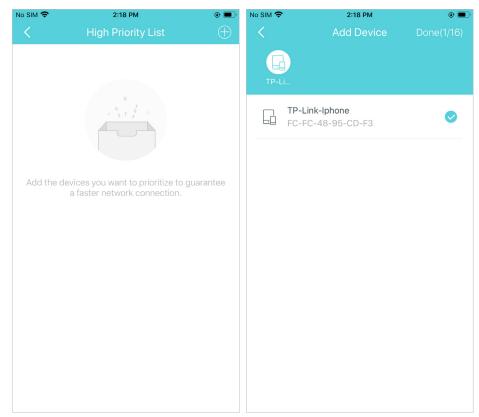
1. Tap □♦ > QoS.



2. Set the total bandwidth before using QoS.



3. Add devices you want to prioritize to guarantee a better network performance.



Advanced Features

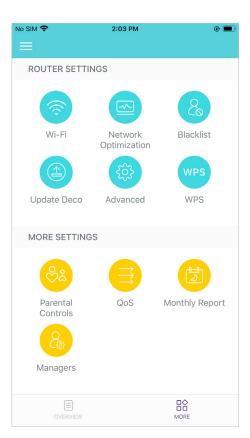
Additional features are available under the Advanced menu. You can modify WAN settings (IPv4 & IPv6), add IPv6 firewall rules, modify LAN IP, set up DHCP server, enable VLAN/IPTV/MAC Clone mode, reserve the same IP address for a specific device, set up port forwarding rules to make your local computers accessible to other devices over the internet, enable TP-Link DDNS, SIP ALG, fast roaming and beamforming, control Deco's LED, change the working mode, and configure the notification settings.

Tap $\square \bigcirc$ > Advanced.

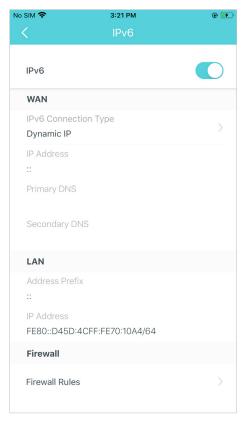
View IPv4 details or change the internet connection type.

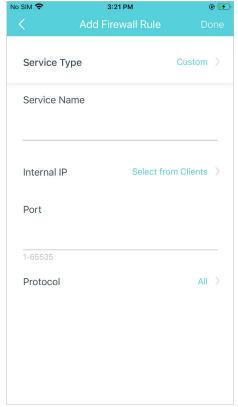
Enable IPv6 to set up an IPv6 internet connection.

Add IPv6 firewall rules to allow specific devices to access the specified services.









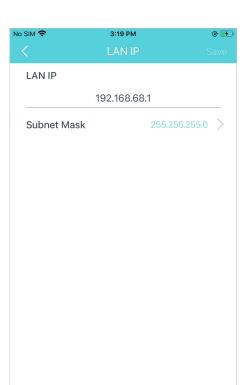
Modify LAN IP to avoid IP address confict.

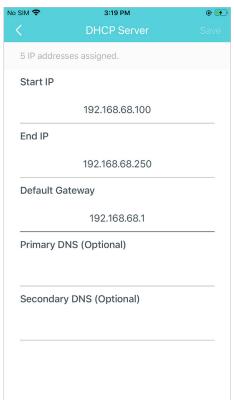
Change DHCP server settings.

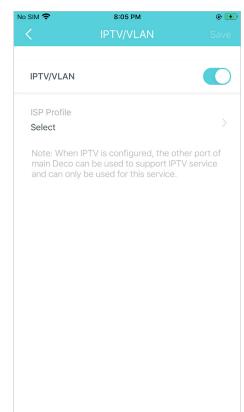
Enable IPTV/VLAN mode to support Enable MAC Clone if Deco fails to IPTV services.

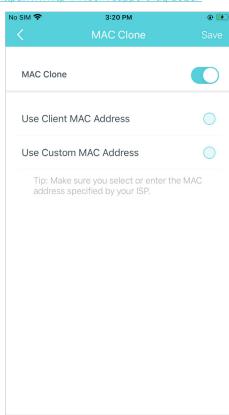
connect to the internet.

∅ Tip: For more about MAC Clone, refer to https://www.tp-link.com/support/fag/2925/

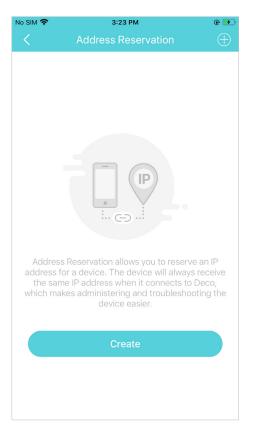




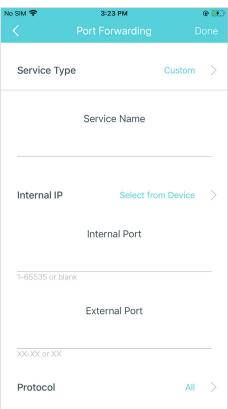




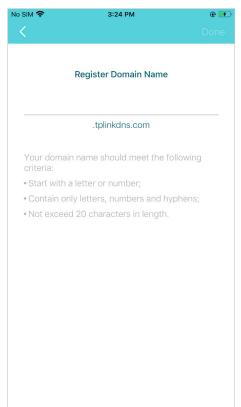
Reserve IP addresses for specific devices to recognize and manage the device more easily.



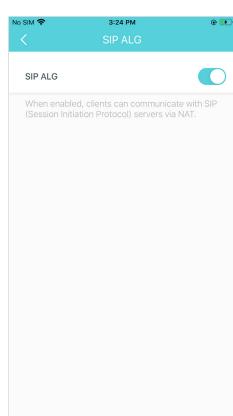
Set up port forwarding rules to enable devices in your network accessible over the internet with safety.



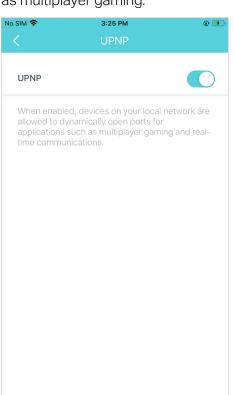
Register a TP-Link DDNS domain name to access your router and local servers using a domain name.



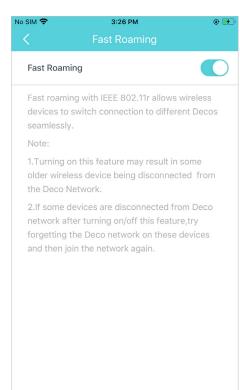
Enable SIP ALG to communicate with SIP (Session Initiation Protocol) servers via NAT).



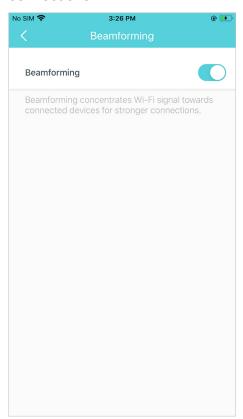
Enable UPNP to enable devices on your local network to dynamically open ports for applications such as multiplayer gaming.



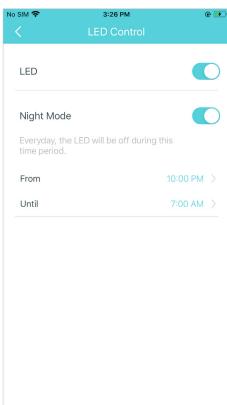
Enable Fast Roaming to allow your wireless devices to switch connection to different Decos.



Enable Beamforming to concentrate Wi-Fi signal towards connected devices for stronger connections.

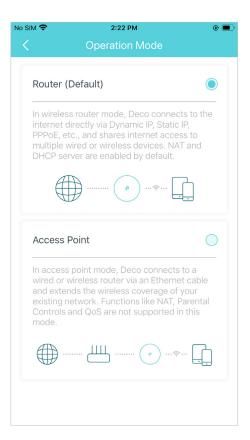


Toggle off LED to turn off the light on Deco. Configure the Night Mode to turn off the LED light at bedtime only.

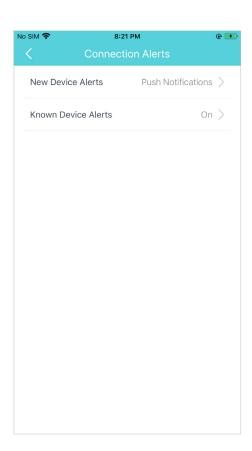


Change the operating mode.

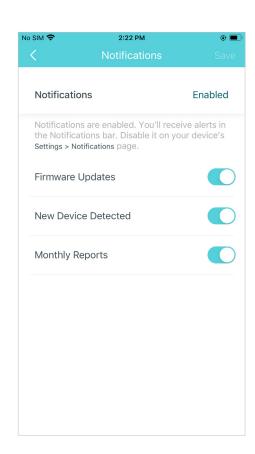
Note: When the Deco works in Access Point mode, advanced features such as IPv4, Address Reservation, Port Forwarding, and DHCP server are not available.



Set connection alerts to receive notifications once the clients connect to or disconnect from Deco.



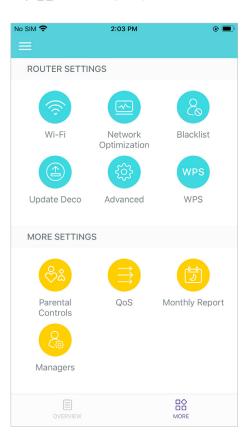
Set notifications to receive alerts in the notification bar.



Monthly Report

Review the monthly usage statistics, such as security threats and total connected network devices each day.

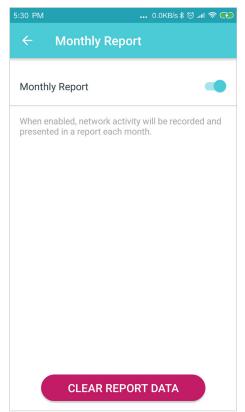




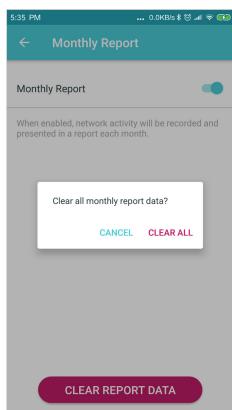
View monthly reports.



Enable or disable monthly report.



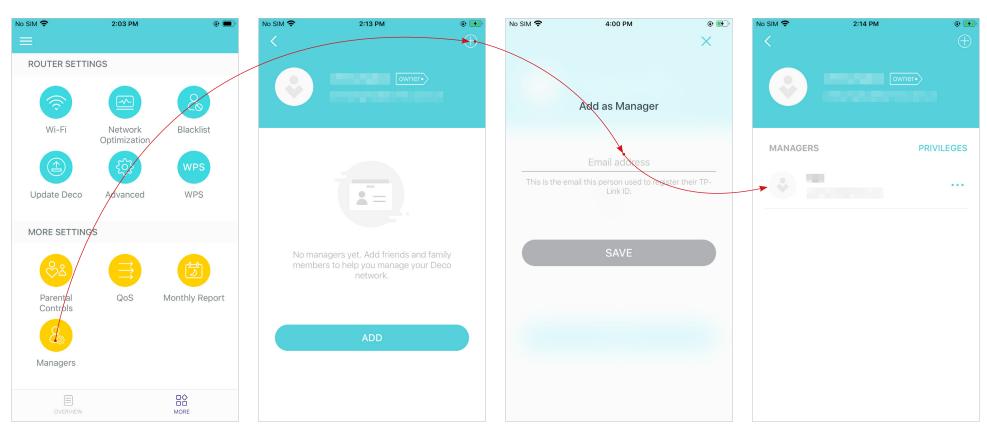
Clear monthly report data.



Managers

Add friends and family members to help manage your network. Each manager should have their own TP-Link ID.

Tap $\frac{1}{10}$ > Managers, and follow app instructions to add other TP-Link ID account as manager. Then the manager can start to manage the network.



Authentication

FCC Compliance Information Statement



Product Name: AC1200 Whole Home Mesh Wi-Fi System

Model Number: Deco M4R/Deco M4

Component Name	Model		
I.T.E POWER SUPPLY	T120100-2B1		

Responsible party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 145 South State College Blvd. Suite 400, Brea, CA 92821

Website: http://www.tp-link.com/us/

Tel: +1 626 333 0234 Fax: +1 909 527 6803

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/ TV technician for help.

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.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

We, TP-Link USA Corporation, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2021-05-18

FCC Compliance Information Statement



Product Name: I.T.E POWER SUPPLY

Model Number: T120100-2B1

Responsible party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 145 South State College Blvd. Suite 400, Brea, CA 92821

Website: http://www.tp-link.com/us/

Tel: +1 626 333 0234 Fax: +1 909 527 6803

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

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.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

We, TP-Link USA Corporation, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2021-05-18

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY(the maximum transmitted power)

2412MHz—2483.5MHz (20dBm)

5150MHz—5250MHz (23dBm)

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011 /65/EU and (EU) 2015/863.

The original EU declaration of conformity may be found at https://www.tp-link.com/en/support/ce/

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

National restrictions

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



UKCA Mark



UKCA declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UKCA declaration of conformity may be found at https://www.tp-link.com/support/ukca

National restrictions

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



Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference, and
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1. l'appareil ne doit pas produire de brouillage;
- 2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution:

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Avertissement:

Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Industry Canada Statement

CAN ICES-3 (B)/NMB-3(B)

Korea Warning Statements:

당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice & BSMI Notice:

注意!

取得審驗證明之低功率射頻器材,非經核准,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。 低功率射頻器材之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。 前述合法通信,指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

安全諮詢及注意事項

- 請按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先切斷電源。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮,請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用,以確保本產品的操作可靠並防止過熱,請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風,否則不可放在密閉位置中。
- 不要私自拆開機殼或自行維修,如產品有故障請與原廠或代理商聯繫。

限用物質含有情況標示聲明書

設備名稱:	型號(型式):					
Equipment name:	Type designation (Type)					
AC1200 Whole Home Mesh Wi-Fi System	Deco M4					
	限用物質及其化學符號					
		Restricted substances and its chemical symbols				
單元	鉛	汞	鎘	六價鉻	多溴聯苯	多溴二苯醚
Unit	Lead	Mercury	Cadmium	Hexavalent	Polybrominated	Polybrominated
	(Pb)	(Hg)	(Cd)	chromium	biphenyls	diphenyl ethers
				(Cr ⁺⁶)	(PBB)	(PBDE)
PCB	\circ	0	\circ	\circ	\circ	\circ
外殼		0	0	\circ	0	\circ
電源供應器	_					O
其他及其配件	_	0	0	0	0	0

備考1. 超出0.1 wt %"及"超出0.01 wt %"系指限用物質之百分比含量超出百分比含量基準值。

Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. "〇" 系指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2: "O" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3."一"系指該項限用物質為排除項目。

Note 3: The "-" indicates that the restricted substance corresponds to the exemption.



Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

EAC

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Do not use the device where wireless devices are not allowed.
- · Adapter shall be installed near the equipment and shall be easily accessible.
- 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, Non-condensing

• Storage Humidity: 10%~90%RH, Non-condensing

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

Symbol	Explanation
===	DC voltage
\triangle	Caution
Ţ <u>i</u>	Operator's manual
	Indoor use only
	RECYCLING
	This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means
	that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to
	minimize its impact on the environment.
	User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new
	electrical or electronic equipment.