



**Deco X80**  
Superior Mesh Wi-Fi, Everywhere



Compatible with  
**amazon alexa**

 **HomeShield**



# User Guide

## AX6000 Whole Home Mesh Wi-Fi 6 System



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# About This Guide

This guide provides a brief introduction to Whole Home Deco Mesh Wi-Fi 6 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.
💡 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 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.

## MU-MIMO Disclaimer

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

## IoT Compatibility Disclaimer

IoT compatibility refers only to smart devices that can be controlled via the Deco app. Other wireless devices can still connect to Deco for normal Wi-Fi use.

## 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.

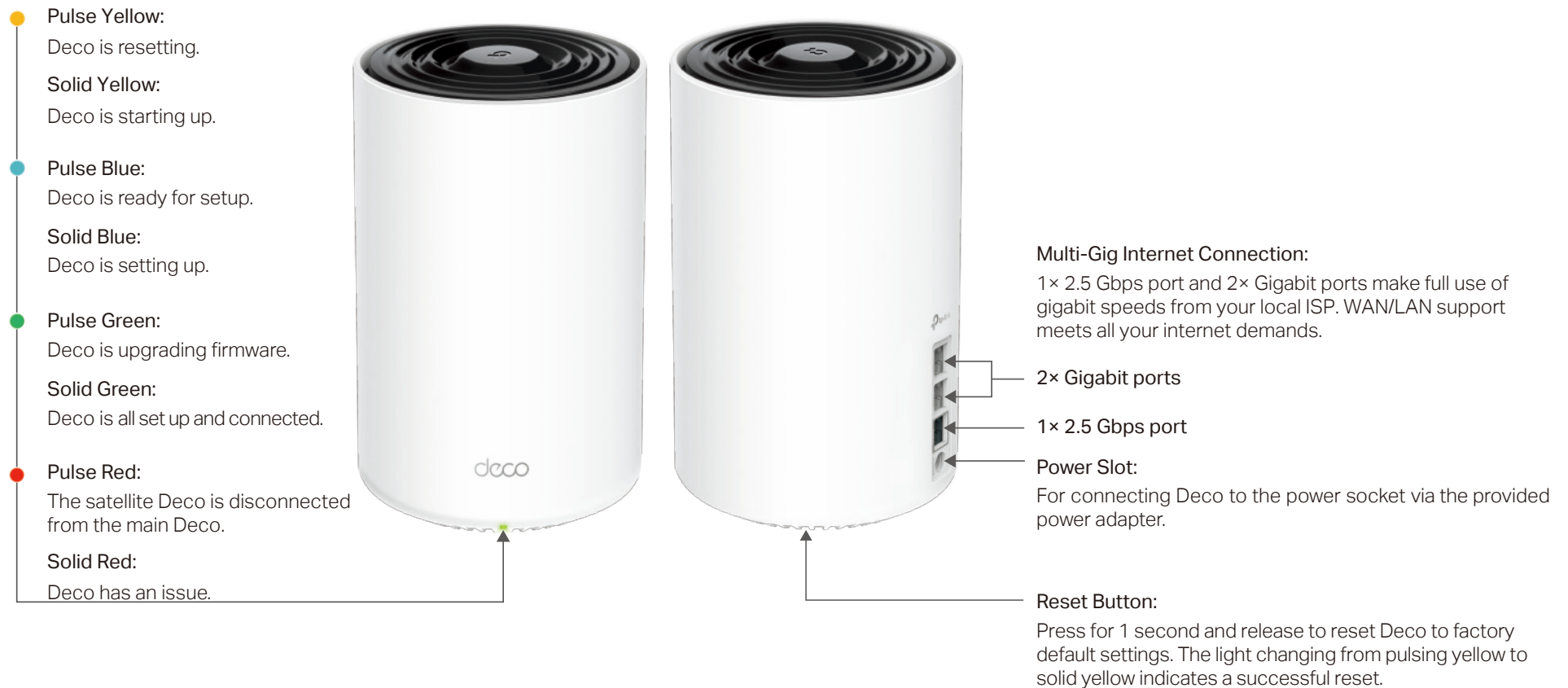
## HomeShield Disclaimer

HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit [tp-link.com/homeshield](https://www.tp-link.com/homeshield) for more information.

# Appearance

Each Deco has an LED that changes color according to its status, two Gigabit ports, an advanced 2.5 Gbps port, 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

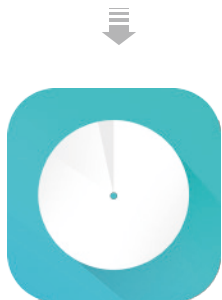
The intuitive Deco app guides you through an easy setup process that gets each unit up and all your devices connected. Follow the steps below to set up your Whole Home Deco Mesh Wi-Fi 6 System.

## 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 or sign up 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.

### Welcome to Deco

Email address

Password

LOG IN

[Sign Up](#) [Forgot Password?](#)

## 3. Identify your Deco

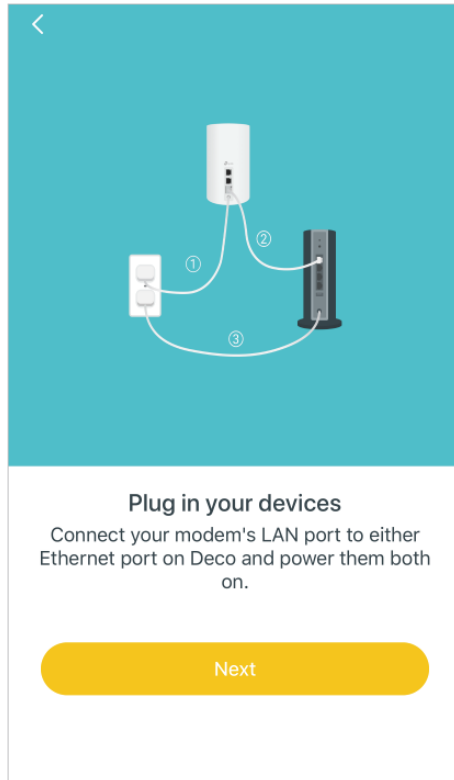
Choose your Deco model.



#### 4. Plug in and power on Deco

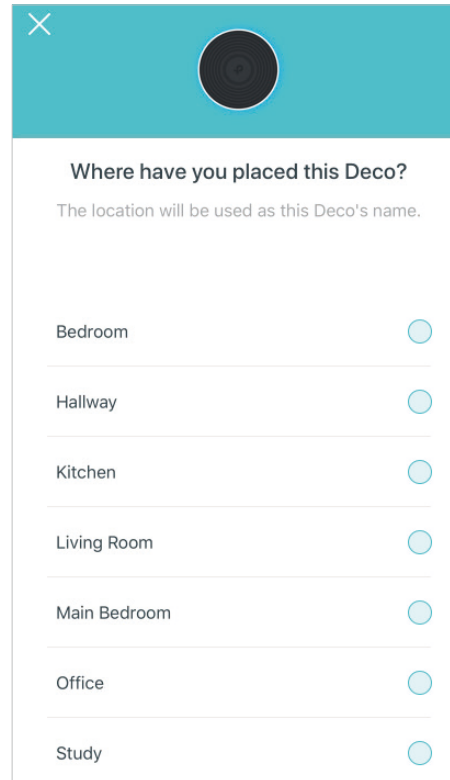
Power off your modem. Connect your Deco to the modem and power them both on.

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



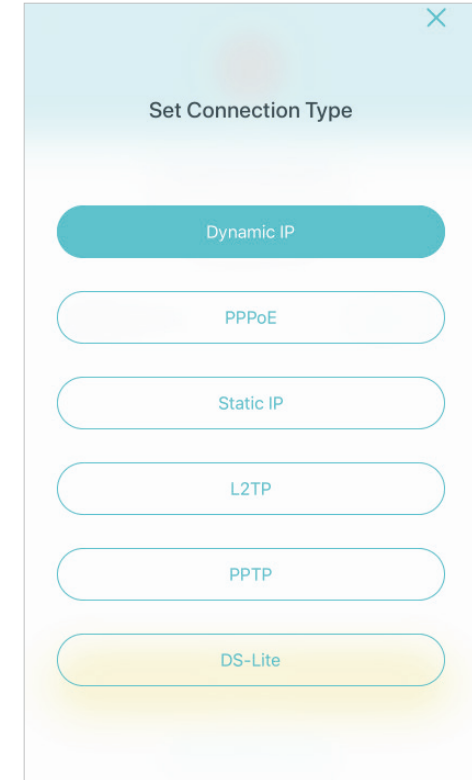
#### 5. Select a location

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.




#### 6. Set up internet connection

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



## 7. 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.



Create your Wi-Fi Network

This will be the name and password you'll use to access your network. Your password must be at least 8 characters.

Network Name


Password


It is recommended to set a password using a combination of letters, numbers and symbols.

NEXT

## 8. Connect to your Wi-Fi network

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





Connect to your Deco Wi-Fi

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

Network Name  
Deco

Password


CONNECT

## 9. Setup complete

Your Deco network is now up. Connect all devices to the Deco network. You can also [Add More Decos](#) to expand the Wi-Fi coverage.

Your Deco network is now up

Your Deco is ready to use. Please connect all devices to the Deco network for better connections.




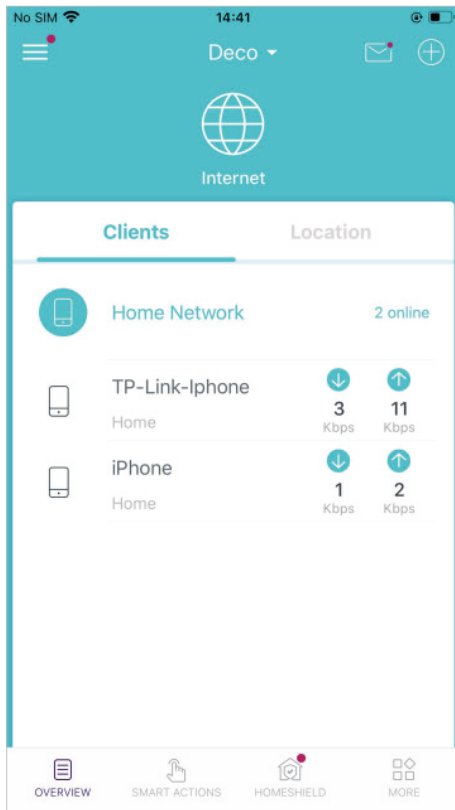
ADD ANOTHER DECO


DONE

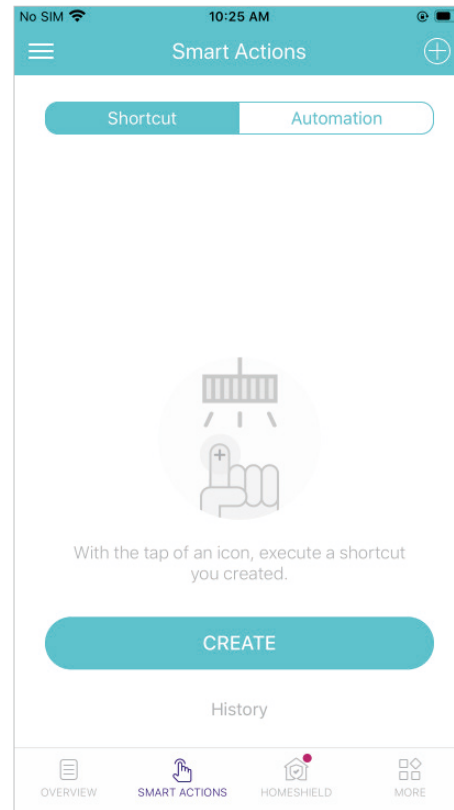
# Dashboard


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, create shortcut and automation, customize your home network with enhanced security using a kit of features built to TP-Link HomeShield and set up various advanced features.

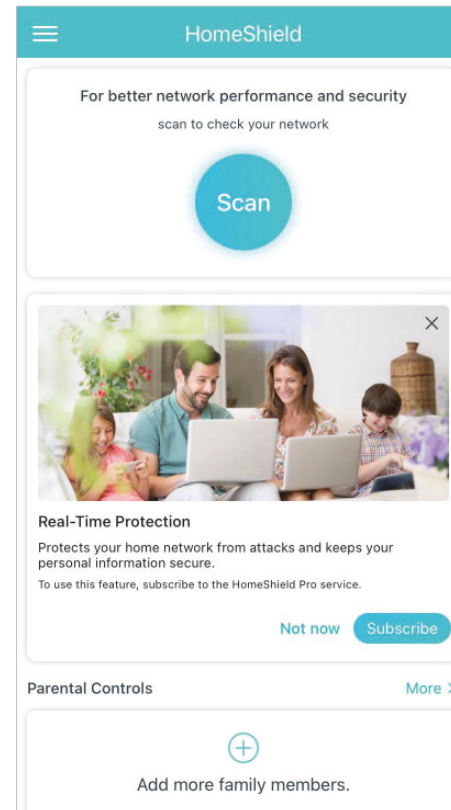
Tap  to get an overview of the network status.



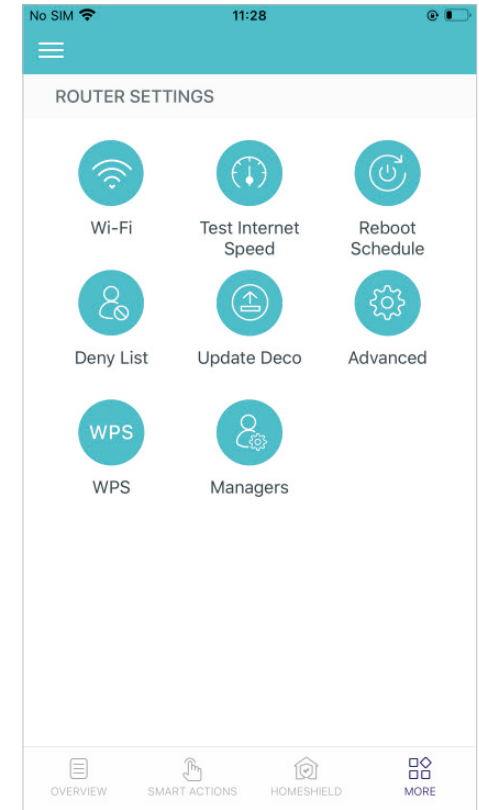
Tap  to create shortcut or automation.



Tap  to enter the [HomeShield](#) page for enhanced security.



Tap  for more features.

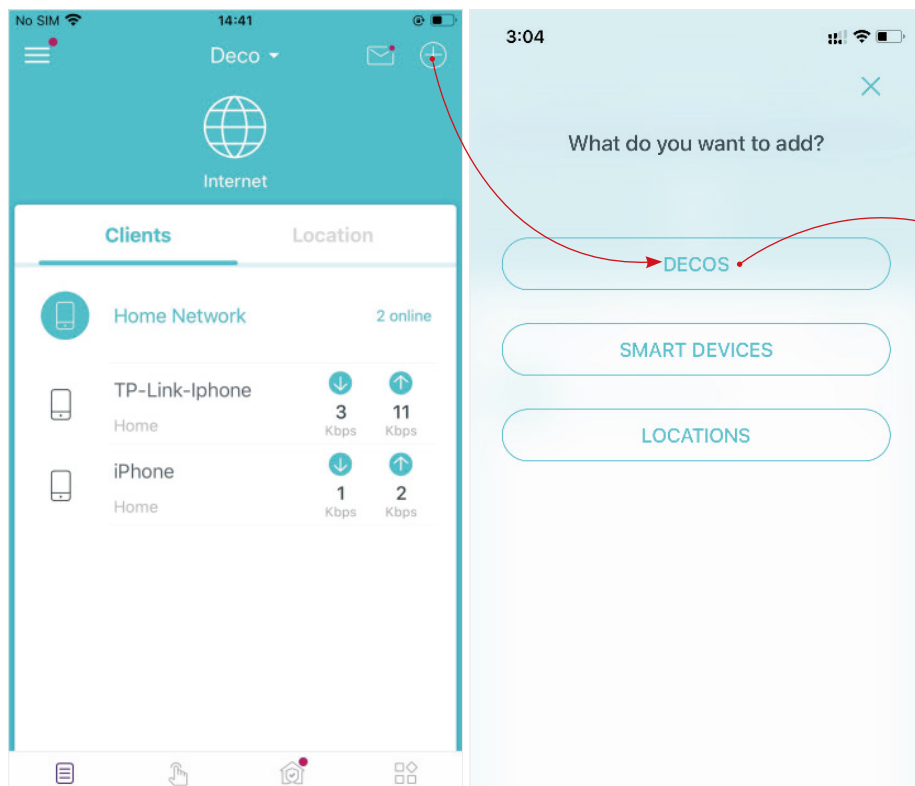




# Add More Decos

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

1. In Overview, tap + > DECOS.



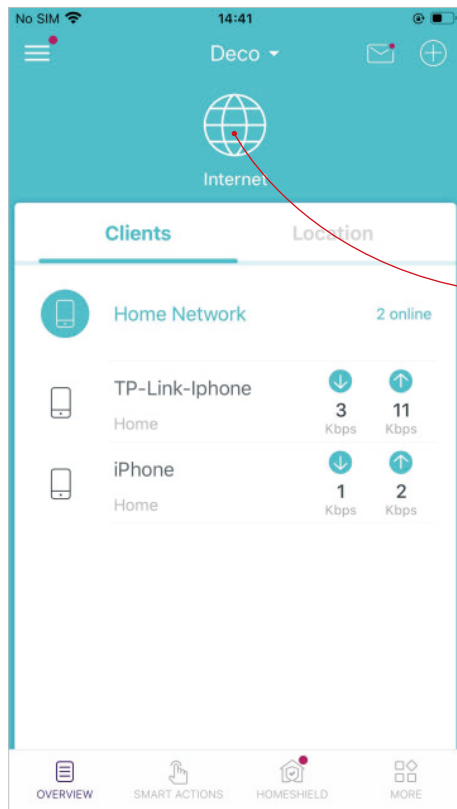
2. Select the Deco model you want to add, and follow app instructions to complete the setup.



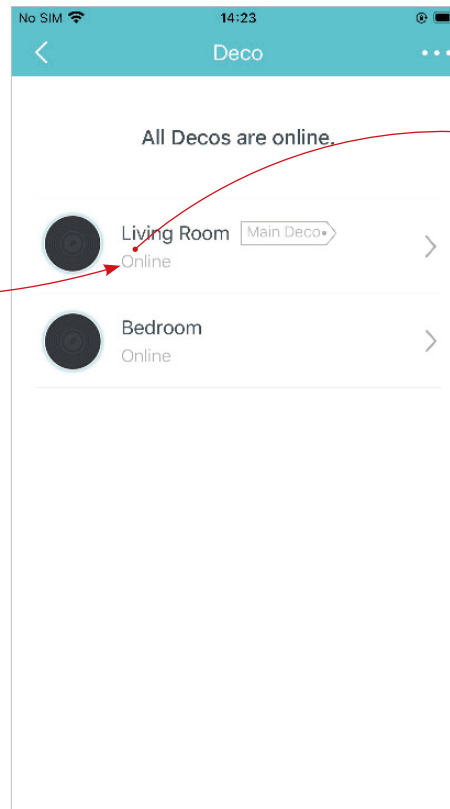
# Check Deco Status

In Overview, you can check the working status (online/offline) of all the Decos, check the details (speed/Deco's IP address & MAC address/connected clients) of each Deco, change the Deco's location/name, and more.

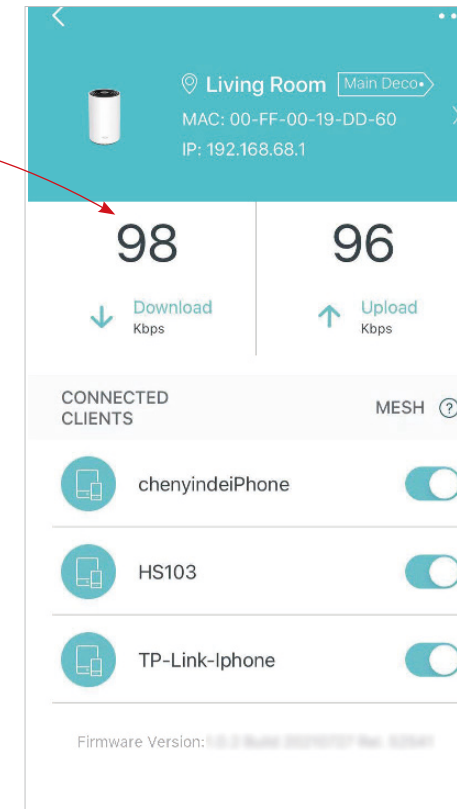
Tap  to check all Decos' status.



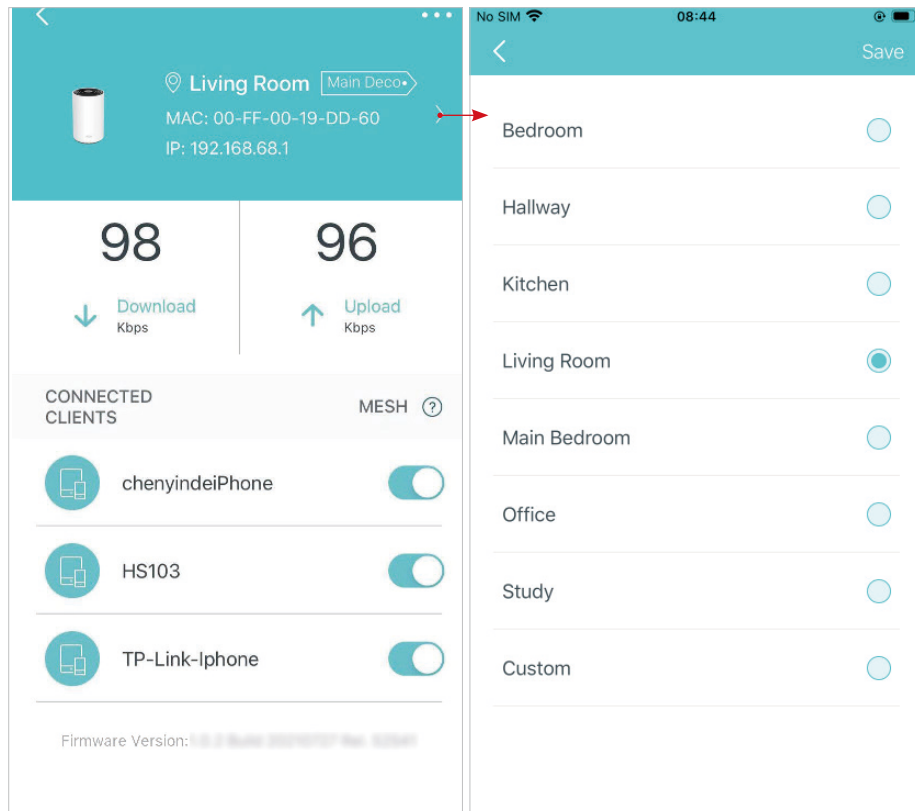
Tap a Deco unit to check more details.



Check download/upload speed of the Deco.

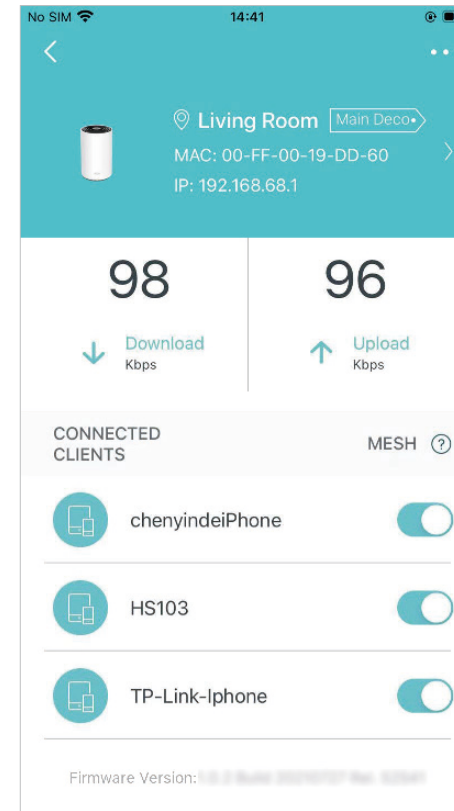


Change or customize the location/name of the Deco.



Check the clients connected to the Deco.

Enable the [Mesh](#) feature, then the client can seamlessly switch to the Deco that provides the fastest speed as you move around.



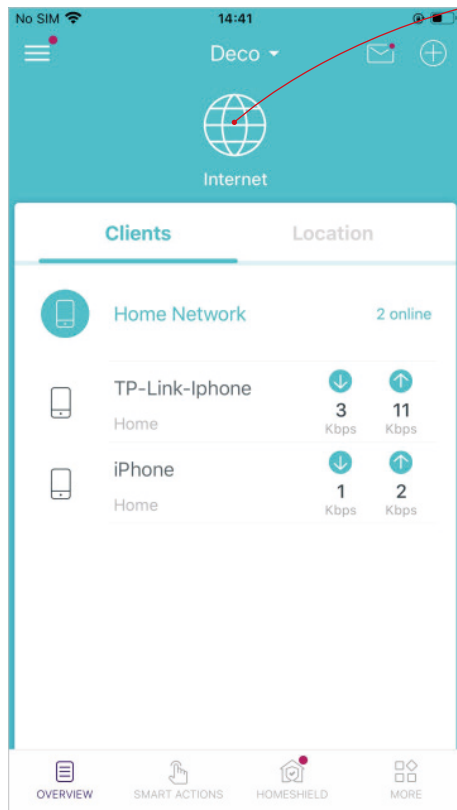
# Set Main Deco

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

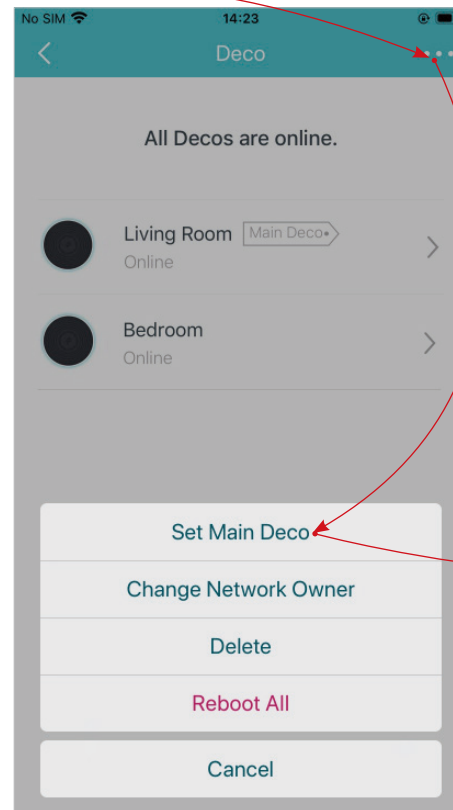
Follow the steps below to complete the setup process.

**Note:** The main Deco links all the others to the internet. After the main Deco finishes switching, you need to connect the new main Deco to the modem or Ethernet outlet for internet connection. For DSL Deco, connect it to the phone jack or DSL splitter. For 4G/5G Deco, insert a nano SIM card to it.

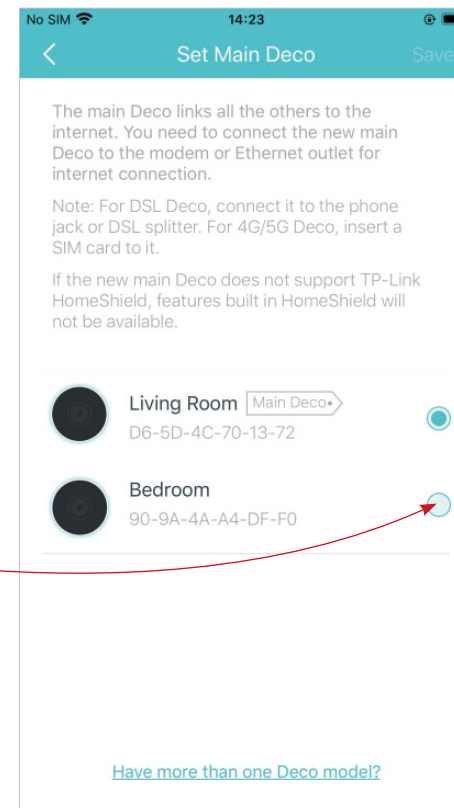
1. In Overview, tap .



2. Tap  > **Set Main Deco**.



3. Choose a satellite Deco and follow app instructions to complete the settings.



# Remove/Reboot Deco

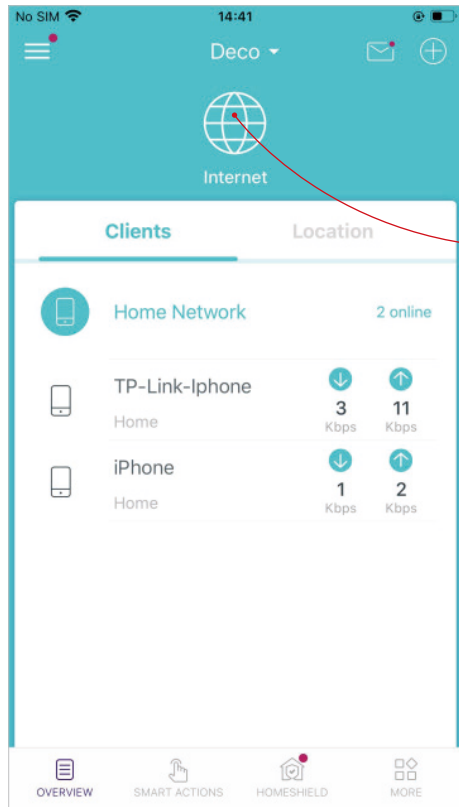
You can reset your Deco to factory default settings or reboot your Deco to clear cache and enhance running performance easily in the Deco app. Follow the steps below.

**Note:**

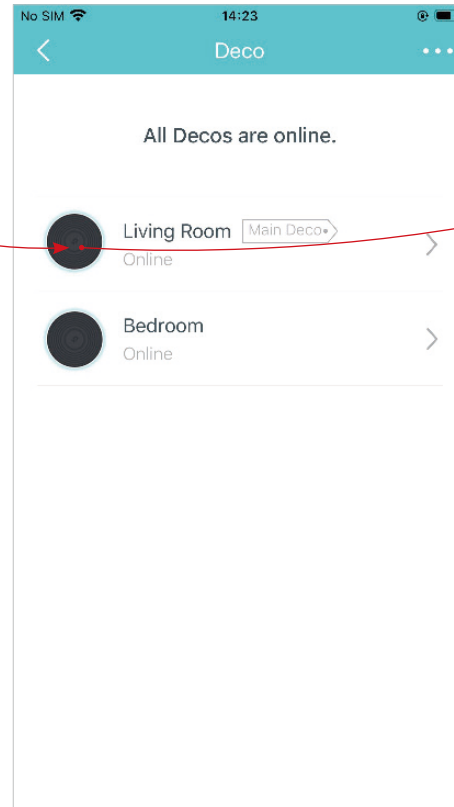
Rebooting your Deco will keep the current settings on it.

Removing your Deco will reset it to factory default settings and you will need to set up your Deco again. You can also press the Reset button on the Deco for 1 second to quickly reset your Deco to factory default settings.

1. In Overview, tap .

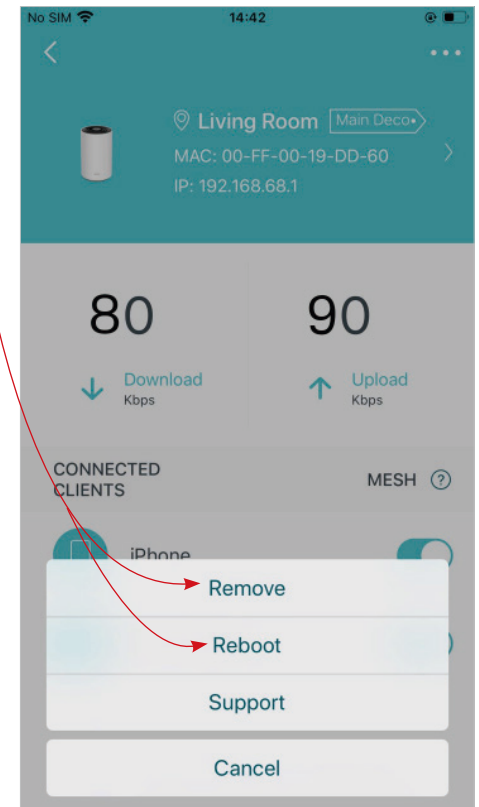
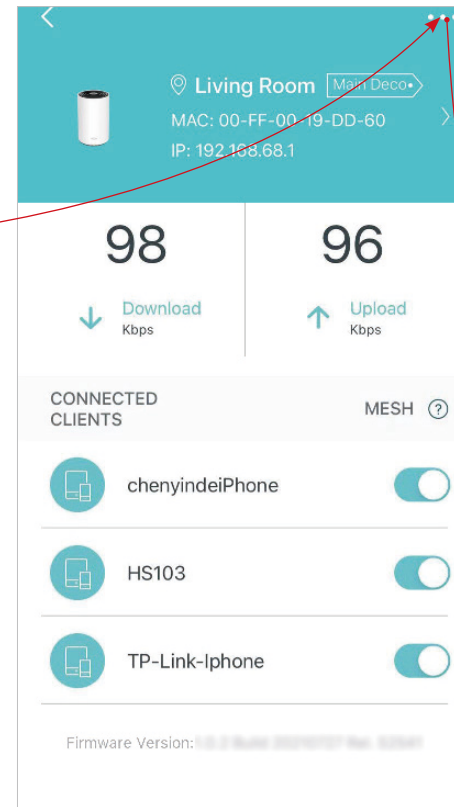


2. Select a Deco unit.



3. Tap  to remove or reboot the Deco.

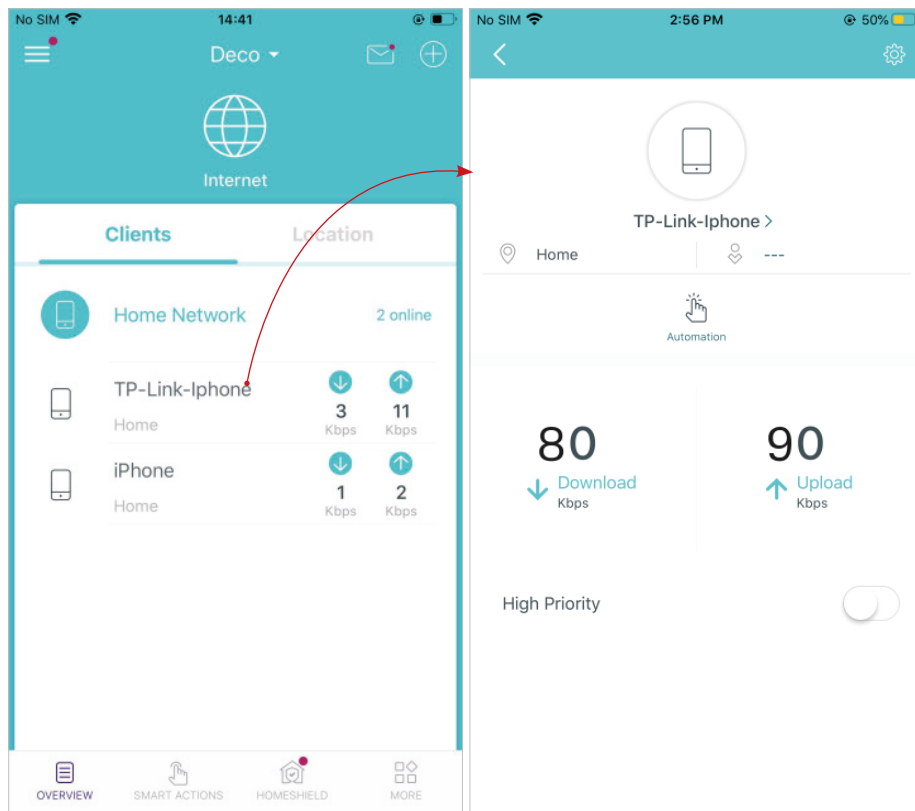
**Note:** If the LED light of Deco does not turn pulsing blue after tapping [Remove](#), press the Reset button on the Deco for 1 second to reset it.



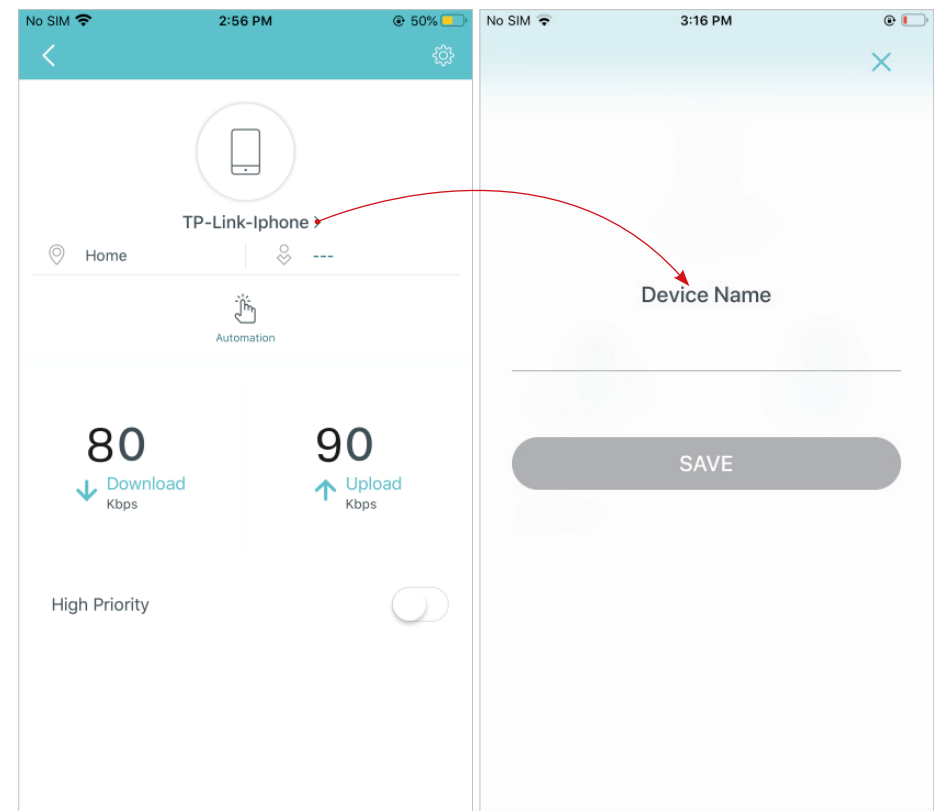
# Manage Connected Devices

In Overview, you can manage your connected devices easily, such as changing the device name/type/location, enabling automation, Mesh Technology and high priority for the device, setting a profile to manage its online activities, and more.

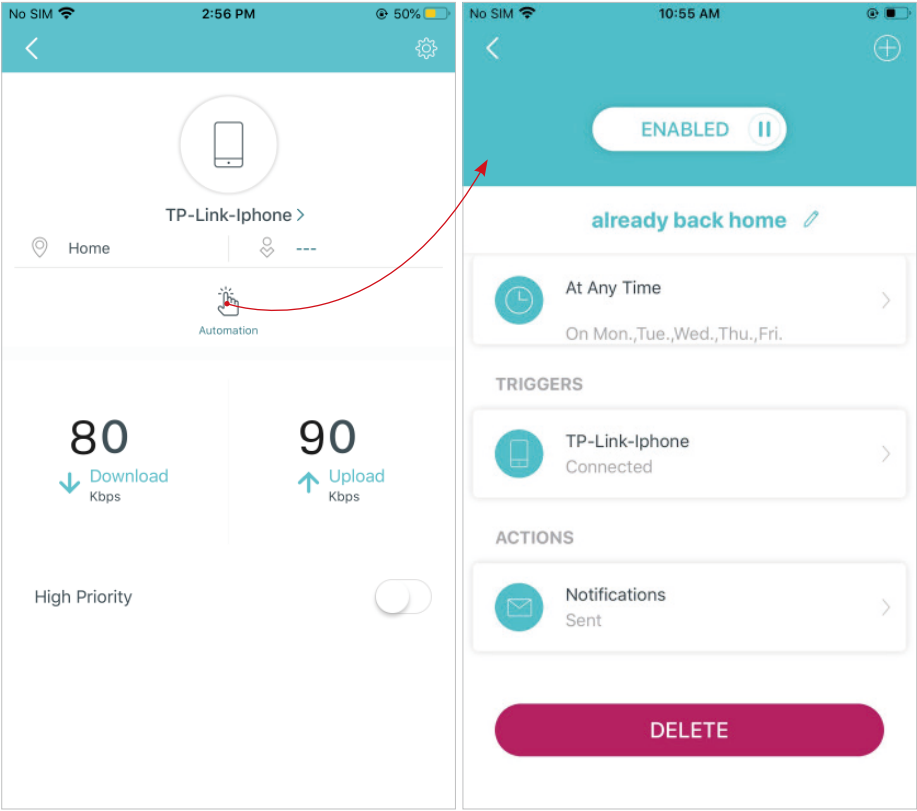
Tap a connected device to check the details (e.g. real-time upload and download speeds, device name/location/profile, etc.).



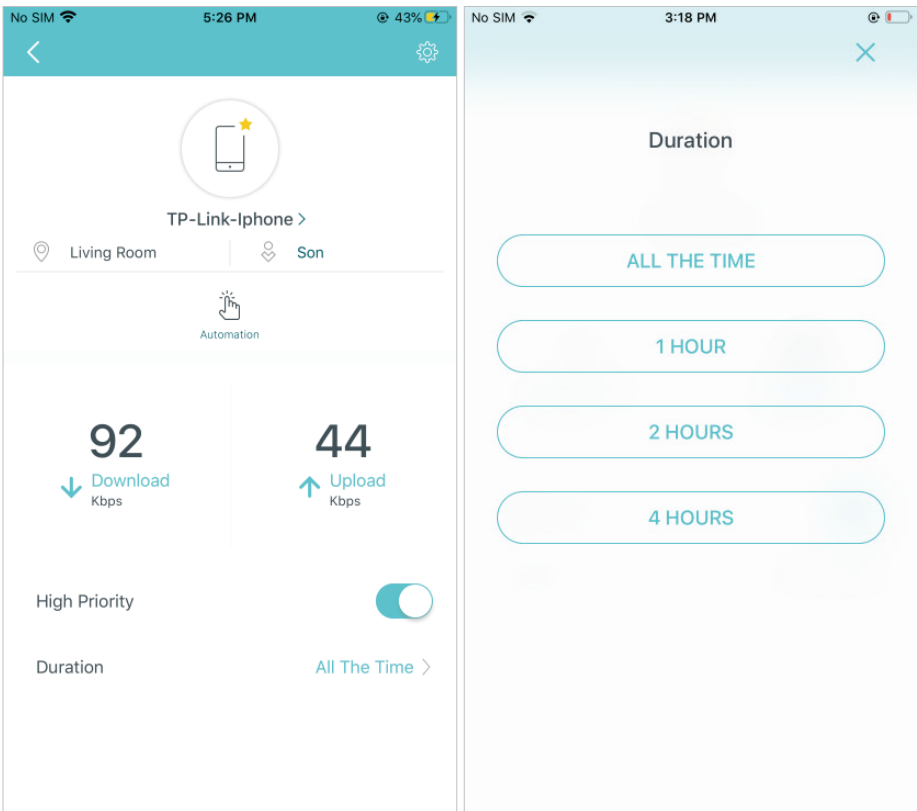
Change the device name as needed.




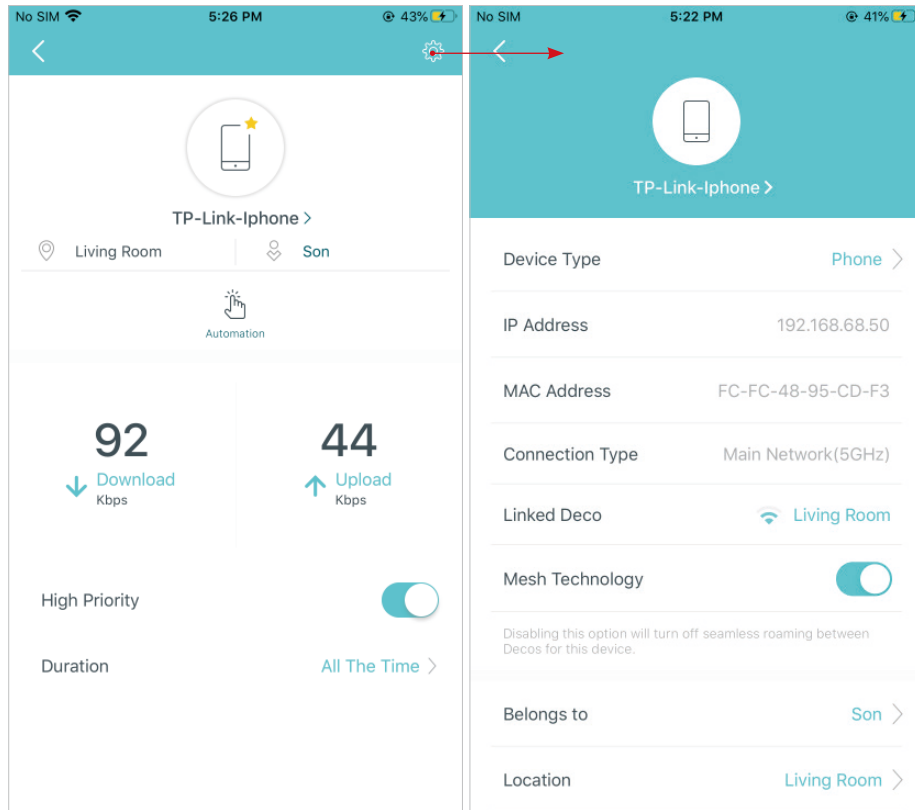
Tap [Automation](#) to enable, disable, or edit it. If you have not set automation yet, follow [Automation](#) to create one.



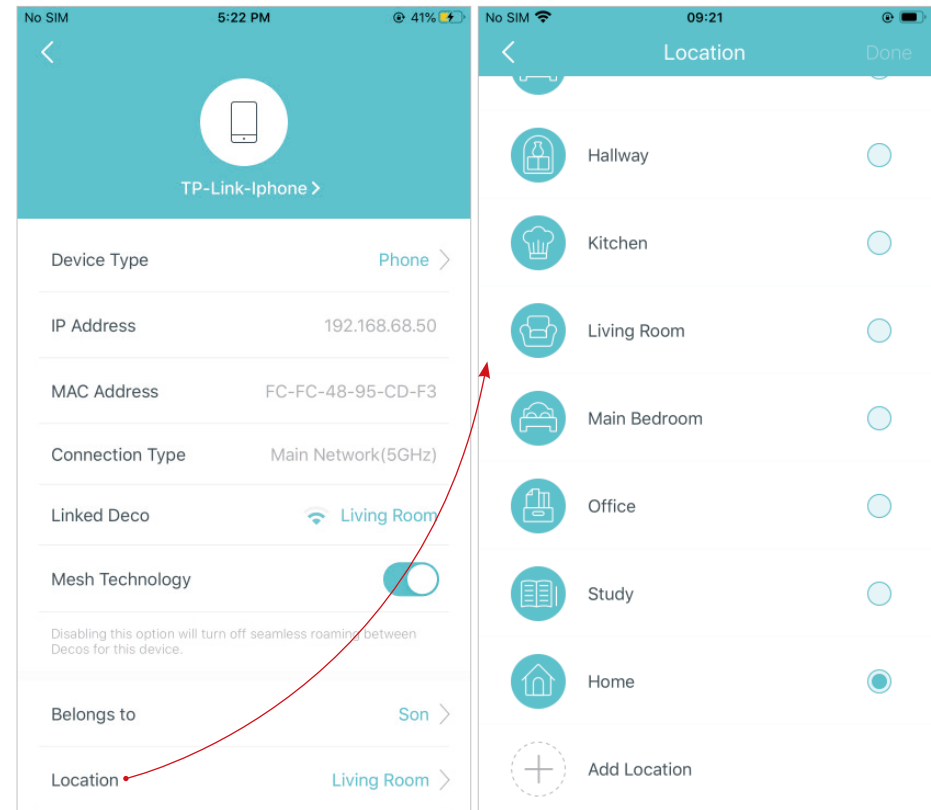
Enable [High Priority](#) and set the [Duration](#) time to prioritize the connection of this device during the time, such as a family member's laptop for one hour during a video call.



Tap  to manage the device settings, including changing the device name/type, viewing device detailed information (IP address, MAC address, connected network, linked Deco, etc.), and more.

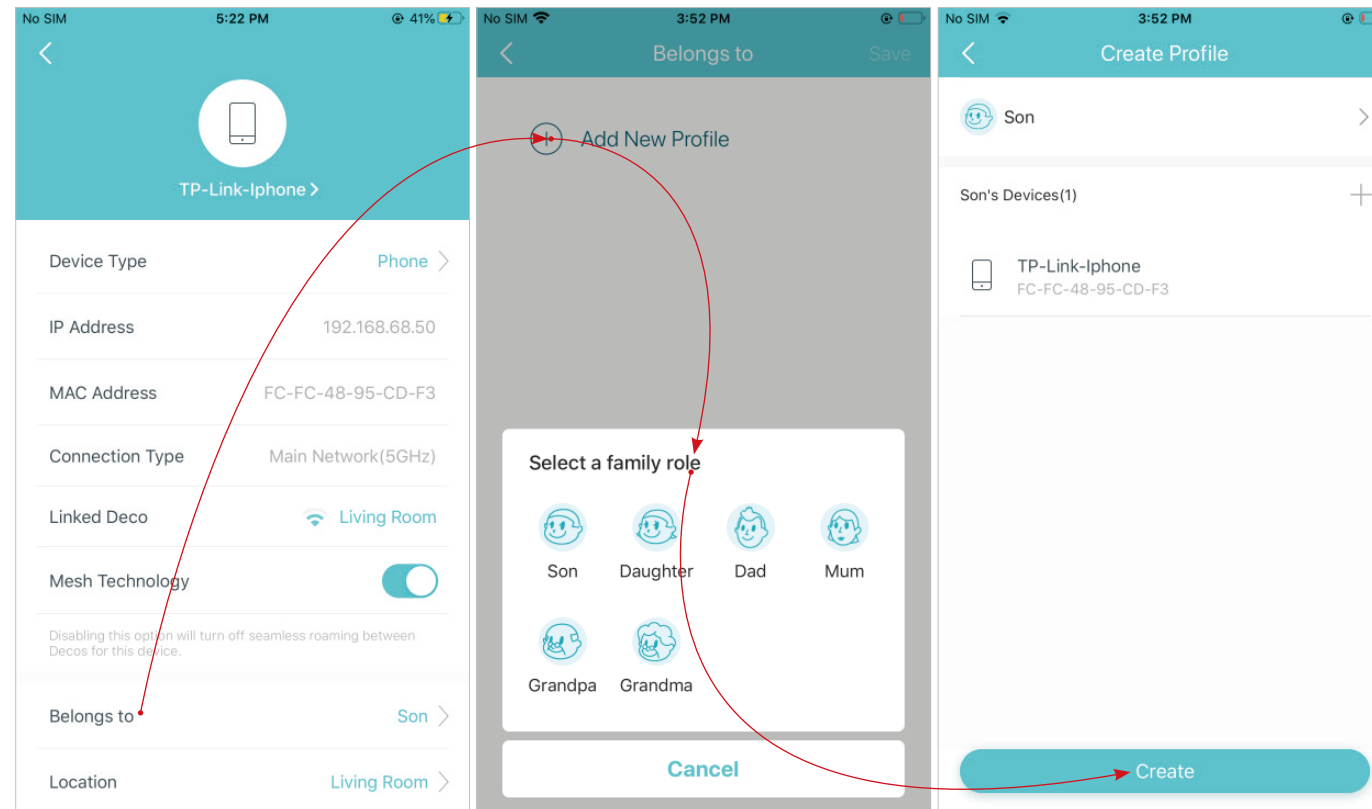


Tap [Location](#) to sort the devices by customized locations so that you can quickly find and manage the devices.

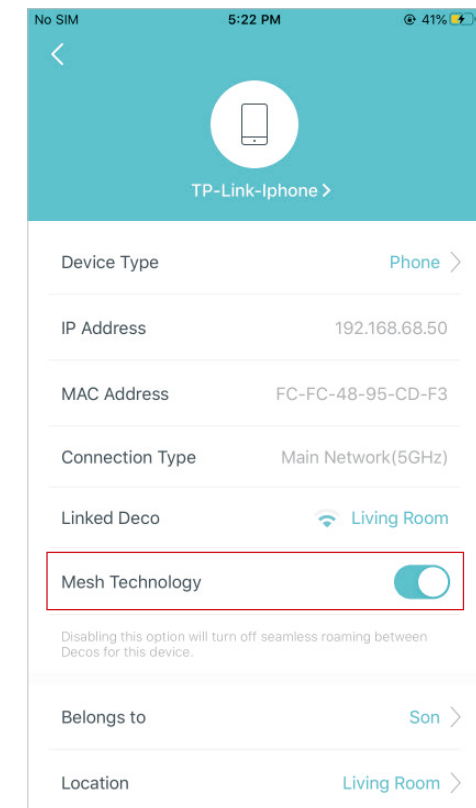




Tap **Belongs to** to add a unique profile for the device and manage its online activities. For example, when and for how long this device can access the internet, block inappropriate content, and pause the internet if necessary. For more information about the feature, refer to [HomeShield](#).



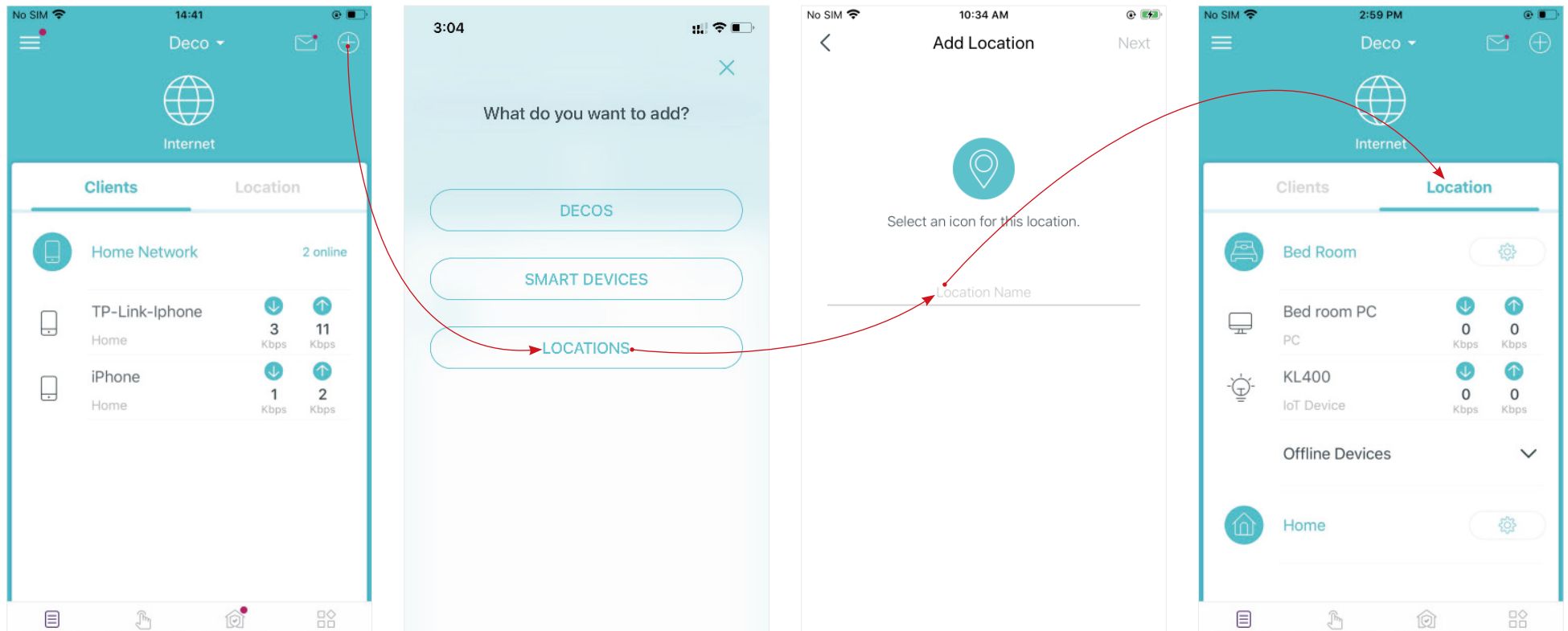
Enable **Mesh Technology** and then the device can seamlessly switch to the Deco that provides the fastest speed as you move around.



# Sort Devices By Locations

After adding your devices to the Deco network, you can sort them by customized locations so that it will be more convenient and efficient to manage your devices. For example, you can add the lights and computer in your bed room to a location set as "Bed Room", so you can quickly find and manage these devices.

In Overview, tap **+** > **LOCATIONS**. Follow app instructions to sort your devices by location.

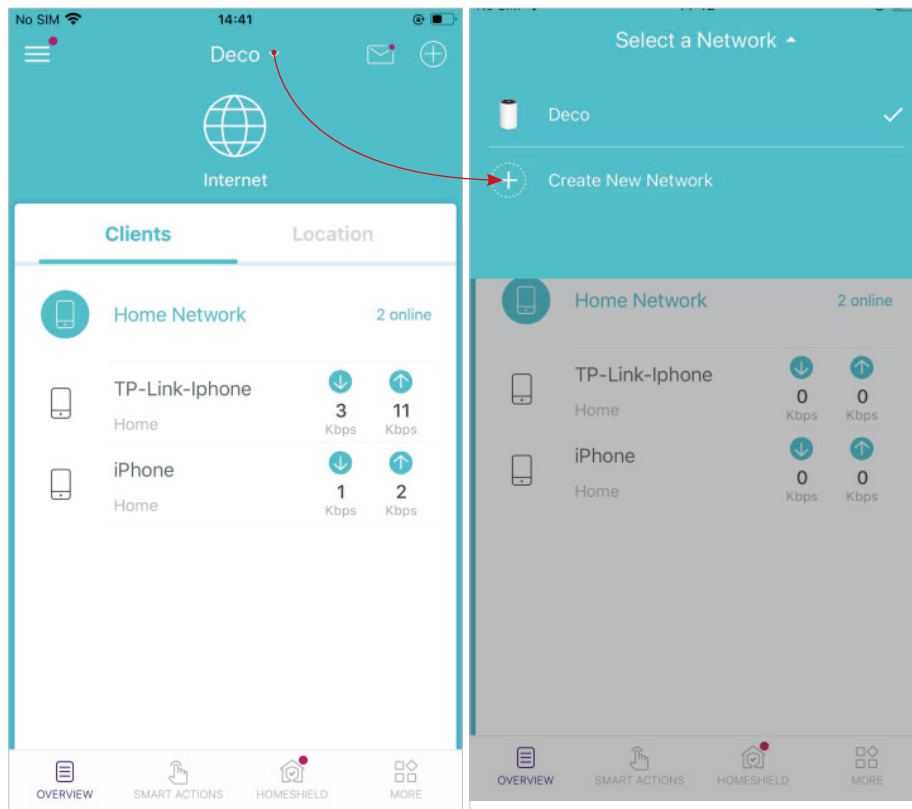


# Create a New Network

In the Deco app, you can create different Deco networks 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 networks with your Deco app. Two methods are provided as below to create a new network.

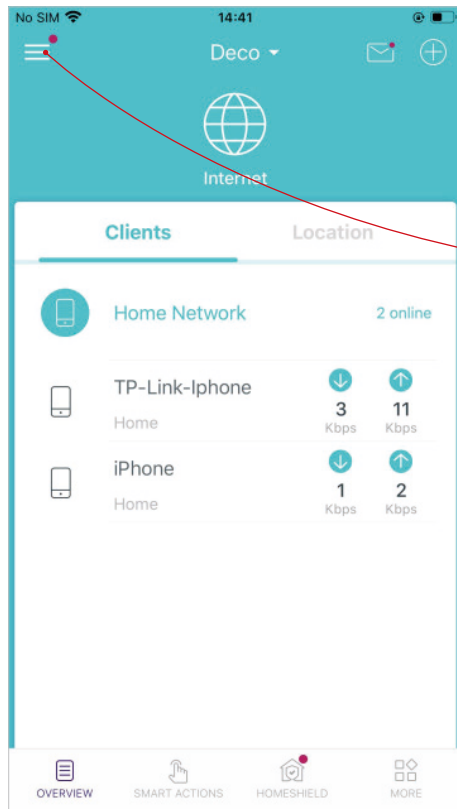
## Method 1. Create a new network from the Overview page

Tap  > [Create New Network](#). Then follow app instructions to complete the setup.

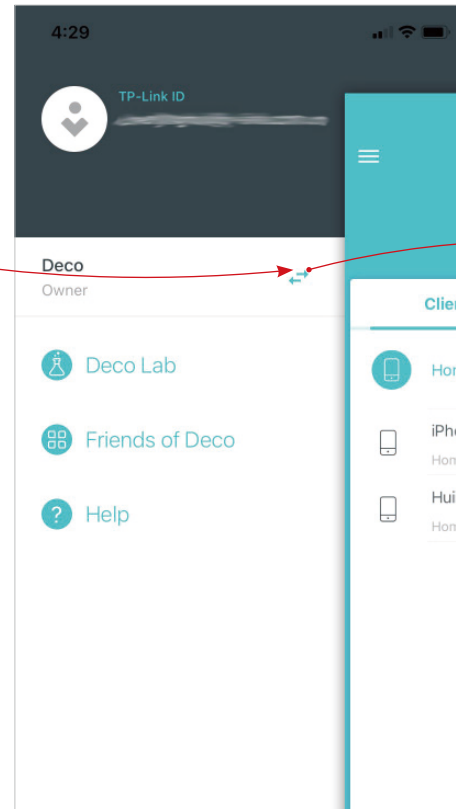


## Method 2. Create a new network from the Menu page

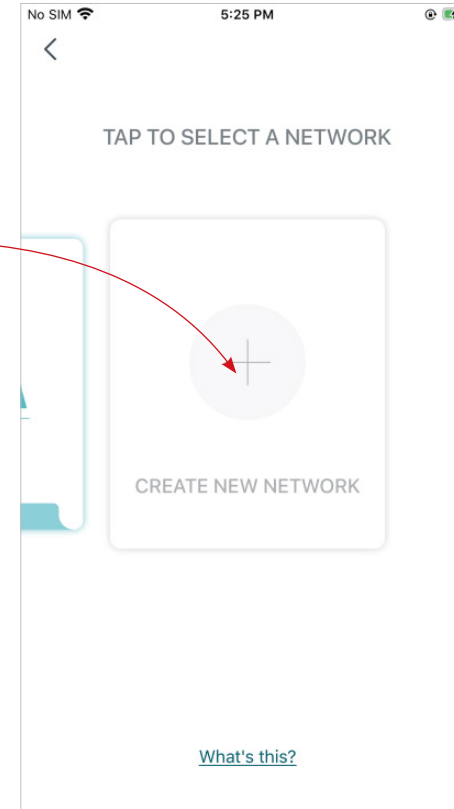
1. Tap  to open the menu.



2. Tap  > [CREATE NEW NETWORK](#).



3. Follow app instructions to complete the setup.

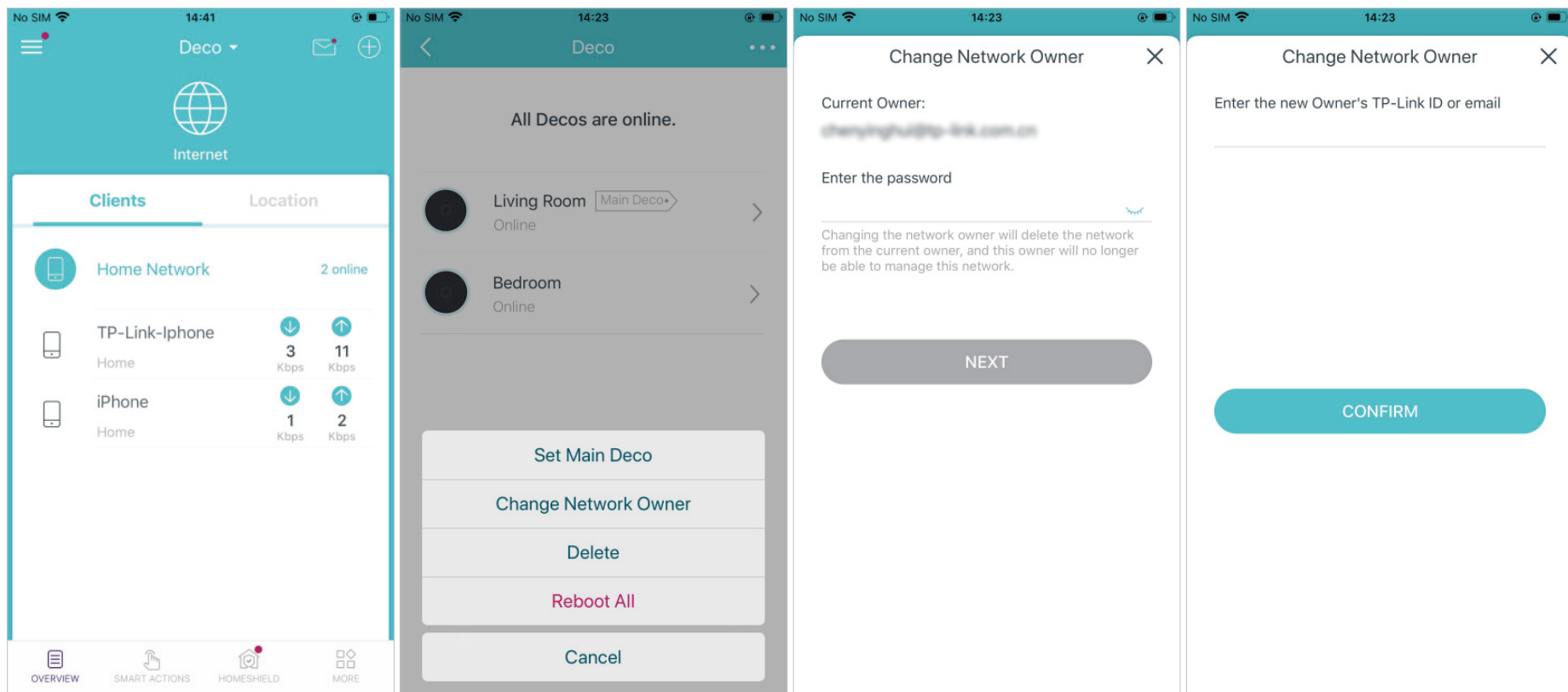


# Change Network Owner

You can change the network owner on the Deco app without resetting the whole Deco network. Follow the steps below.

In Overview, tap  >  > [Change Network Owner](#). Follow app instructions to change the network owner. Then you will not be able to manage this network with your account anymore. The new owner needs to follow steps in an email sent from TP-Link to log in and manage the network.

 Note: Changing the network owner will delete the network from the current owner, and this owner will no longer be able to manage this network.

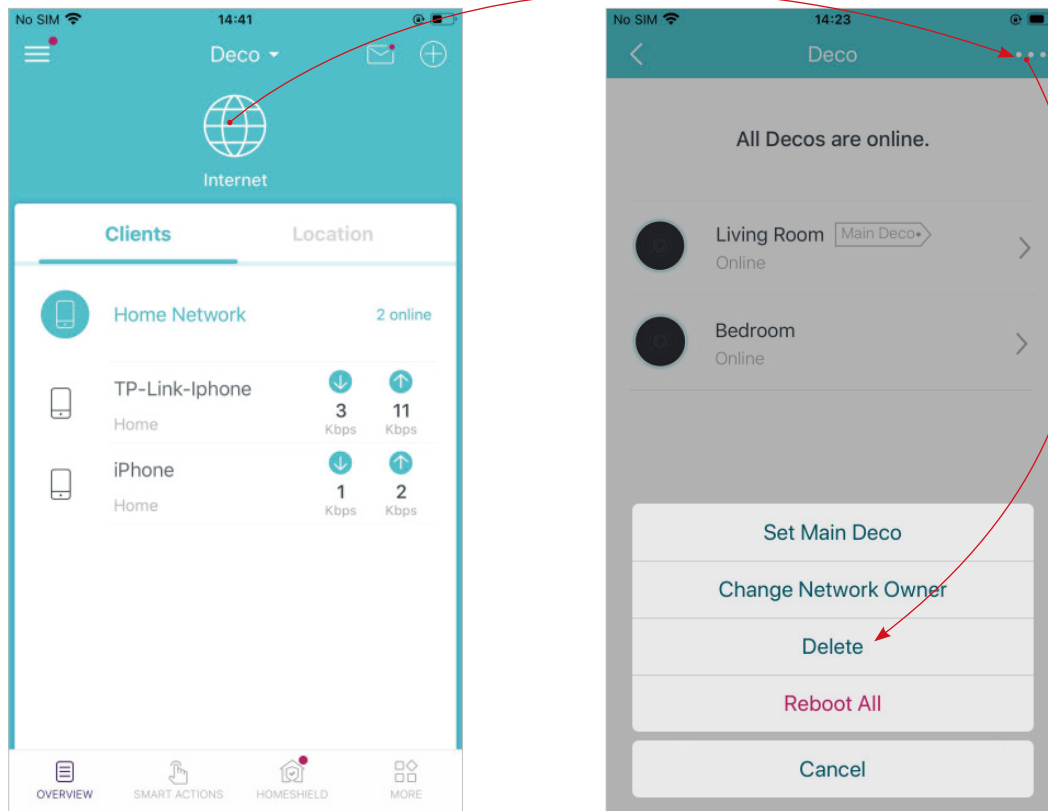


# Delete a Network

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.

1. In Overview, tap .

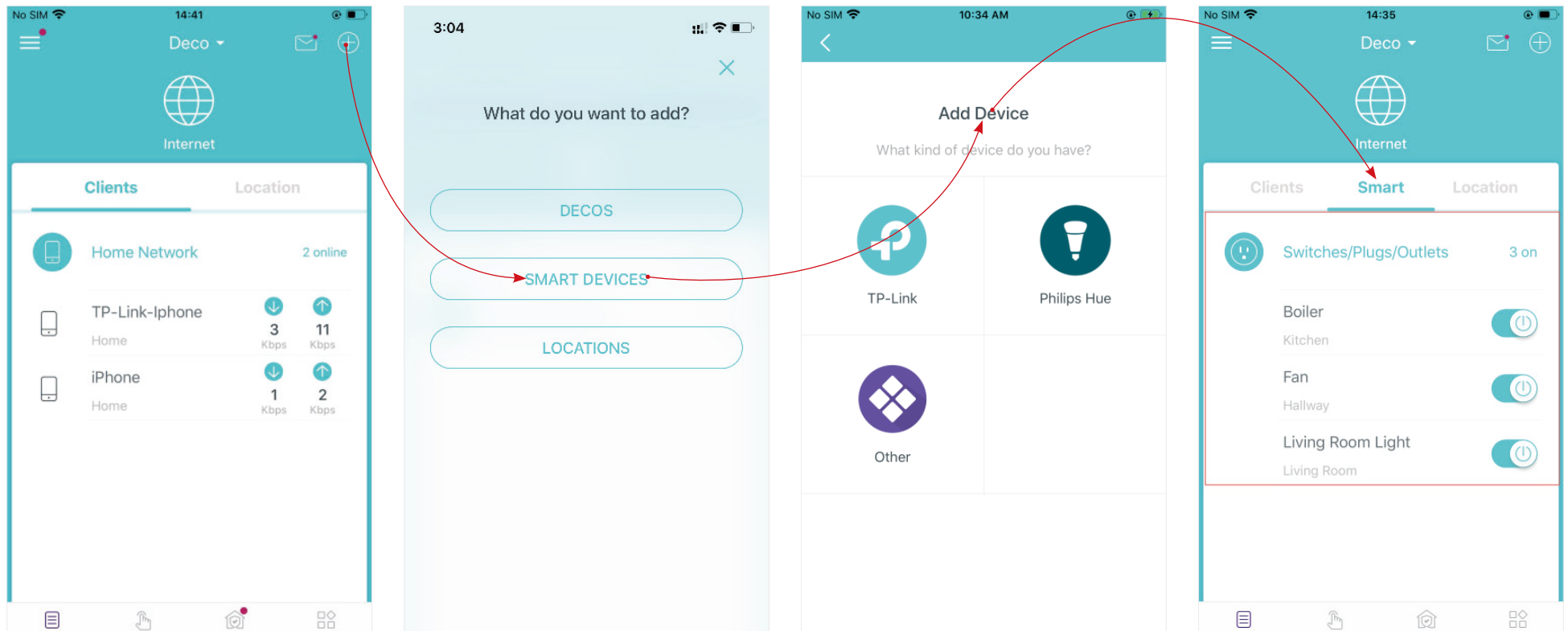
2. Tap  > Delete.



# Add Smart Devices

After creating a Deco network, you can add your smart home devices to the network and manage them conveniently on your Deco app.

In Overview, tap **+** > **SMART DEVICES**. Follow app instructions to add your smart devices to the network. Then the smart devices will display on the Overview page as shown below.

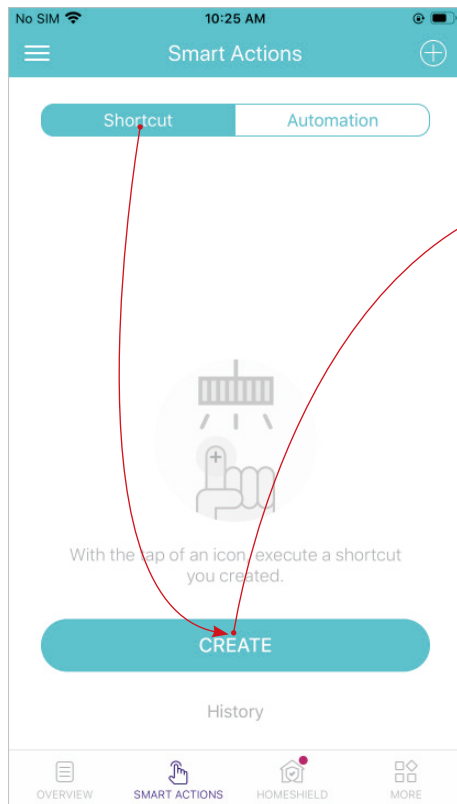


# Shortcut

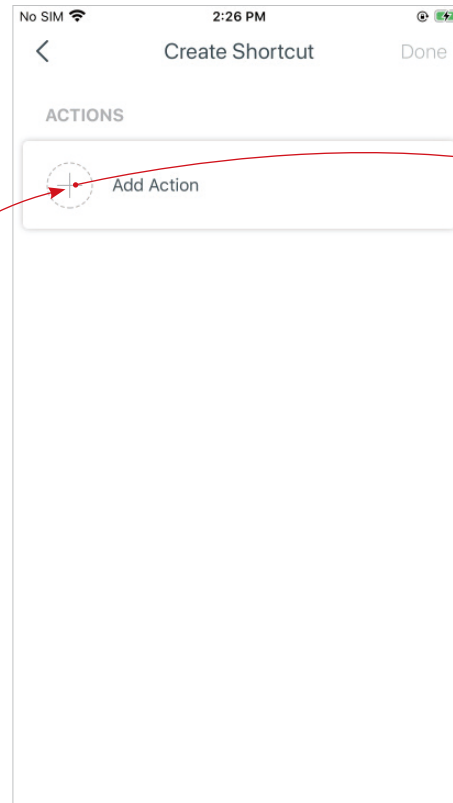
Shortcut lets you achieve an action with a simple tap. For example, if you want to power on your living room light at one tap, follow the steps below.

■ Note: If you want to create shortcuts for your smart devices, follow [Add Smart Devices](#) to add the smart devices to the Deco network first.

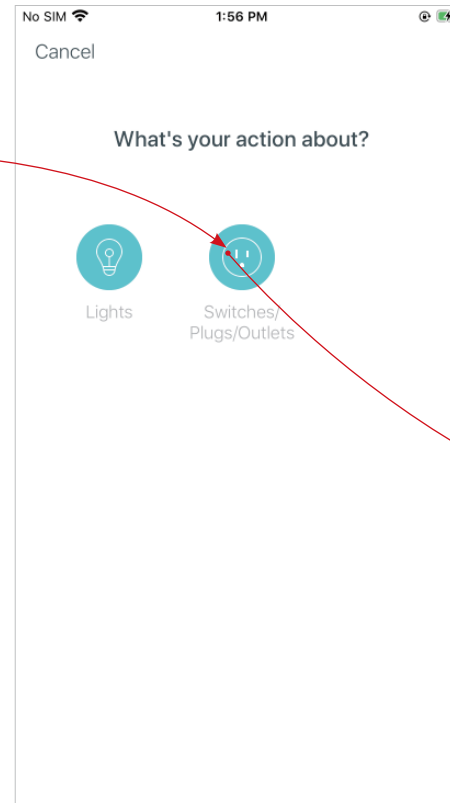
1. Tap  > **Shortcut** > **CREATE**.



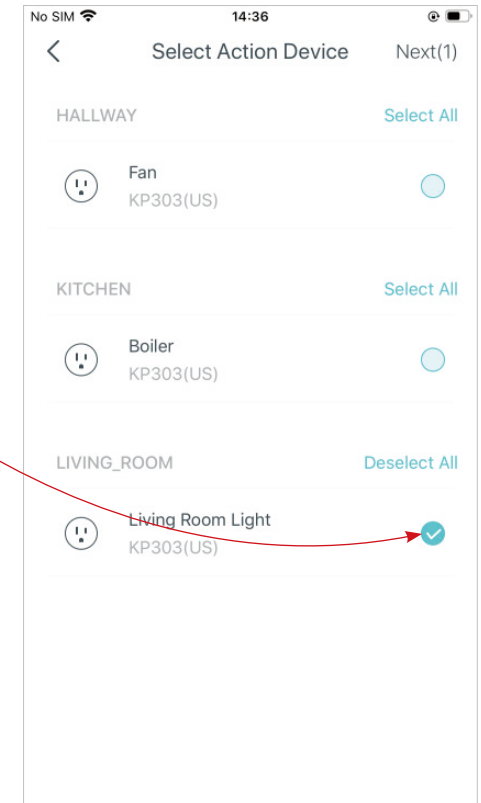
2. Add an action.



3. Choose an action type.

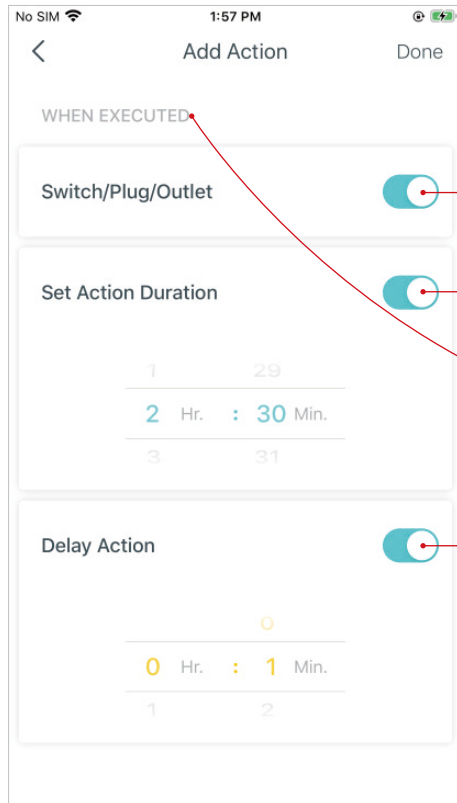


4. Choose the action device.





5. Set how the action behaves when executed. For example, set as below then the living room light will turn on 1 minute after you tap the shortcut icon and will turn off automatically after 2.5 hours.

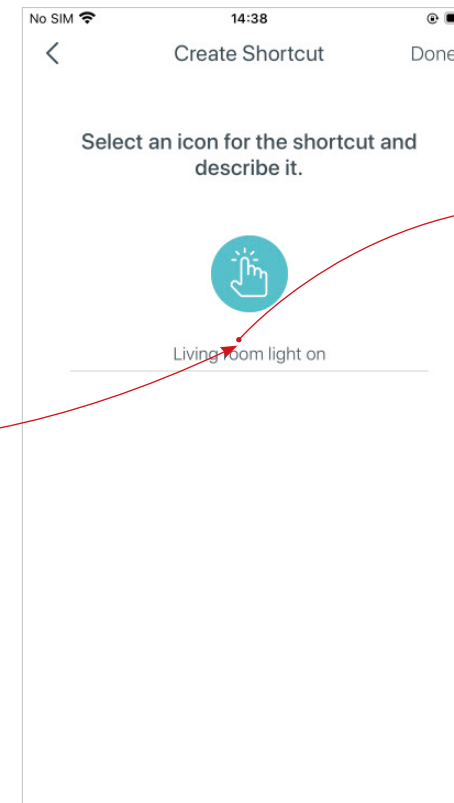


Turn on/off

The effective time of the action

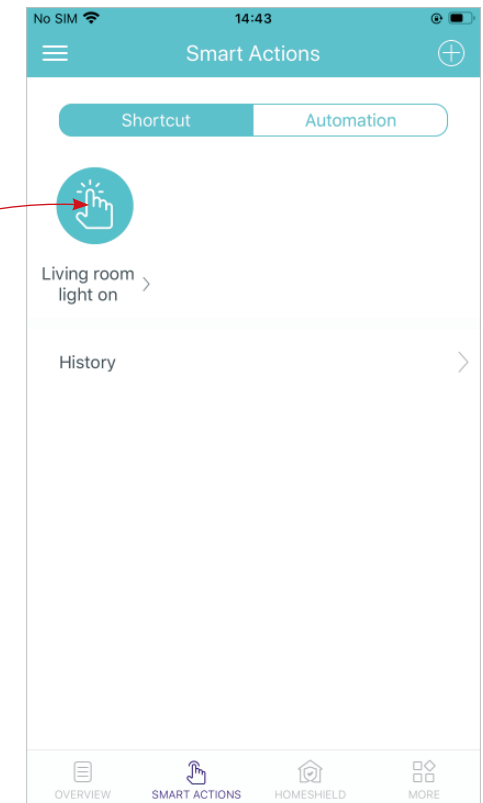
The waiting time before the action starts

6. Select an icon and set a name for the shortcut to finish the settings.



7. Tap the icon to execute the action.

Tip: If you have set Delay Action, you will need to wait for the time you set before the action takes effect.



# Automation

Automation allows you to set interactions between your devices by adding triggers and actions. For example, when you get home and your smartphone is connected to the Deco network (which is a trigger), the living room plug automatically turns on (which is an action). Then the kettle plugged into the living room plug will start to boil water.

Take this example to show the setup steps as below. Follow the steps to create an automation.

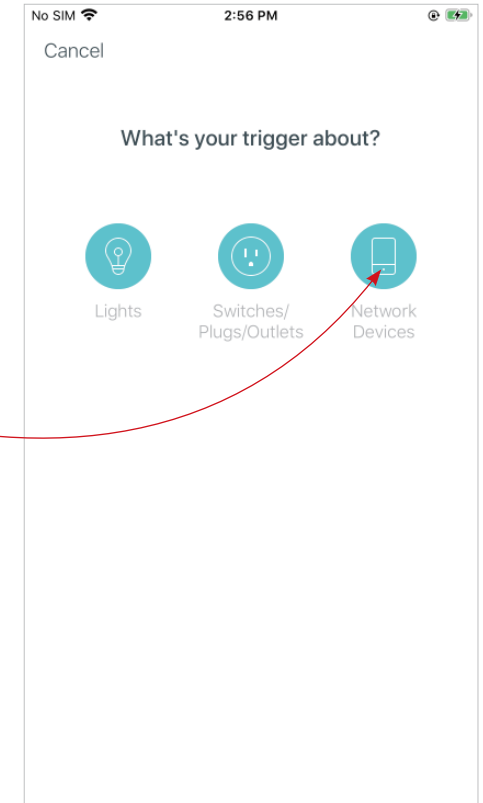
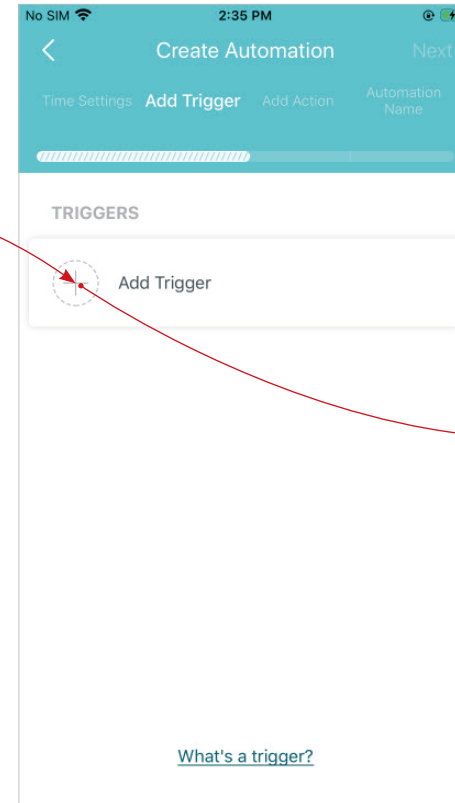
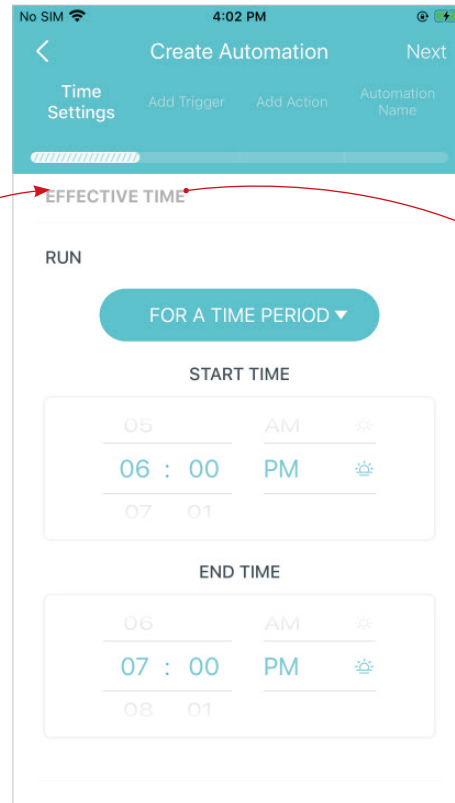
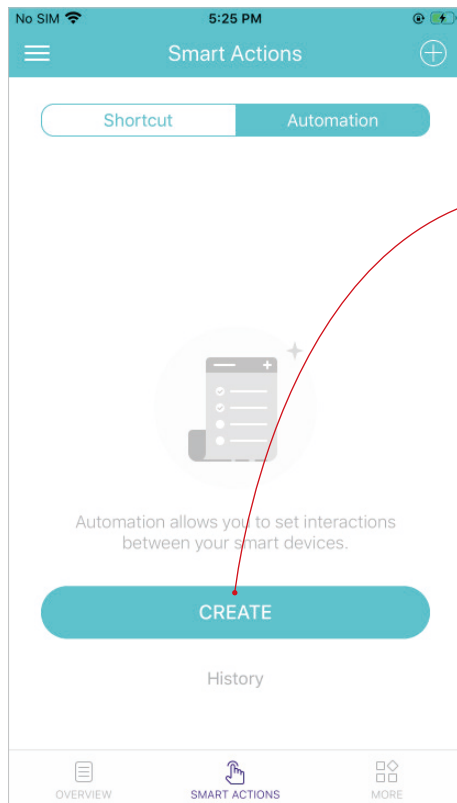
■ Note: If you want to create automations for your smart devices, follow [Add Smart Devices](#) to add the devices to the Deco network first.

1. Tap  > [Automation](#) > [CREATE](#).

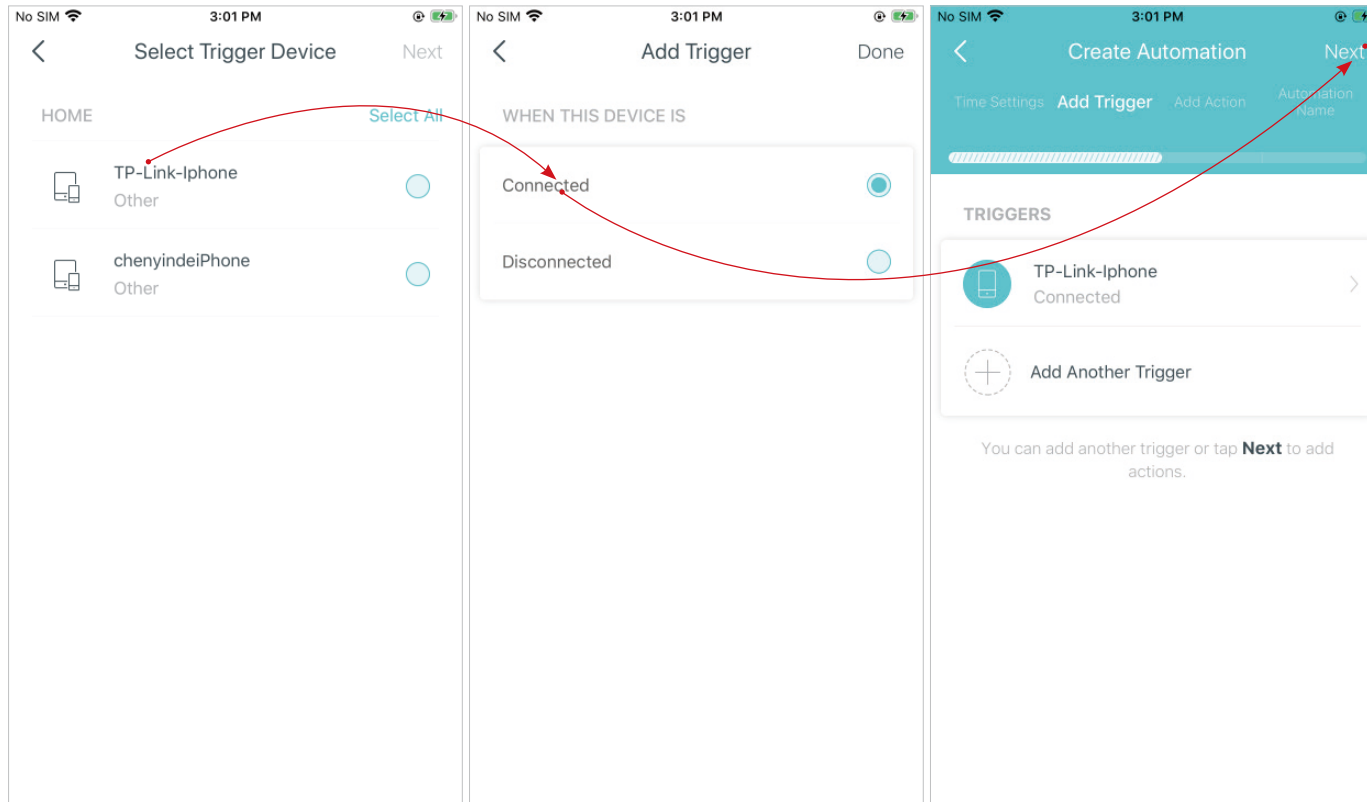
2. Set when the automation takes effects.

3. Add a trigger.

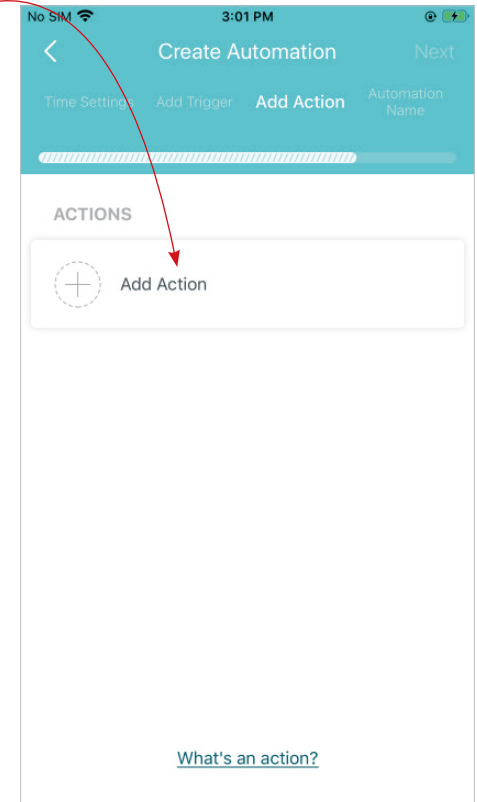
4. Select the trigger type.




5. Select the trigger device and set the trigger details.

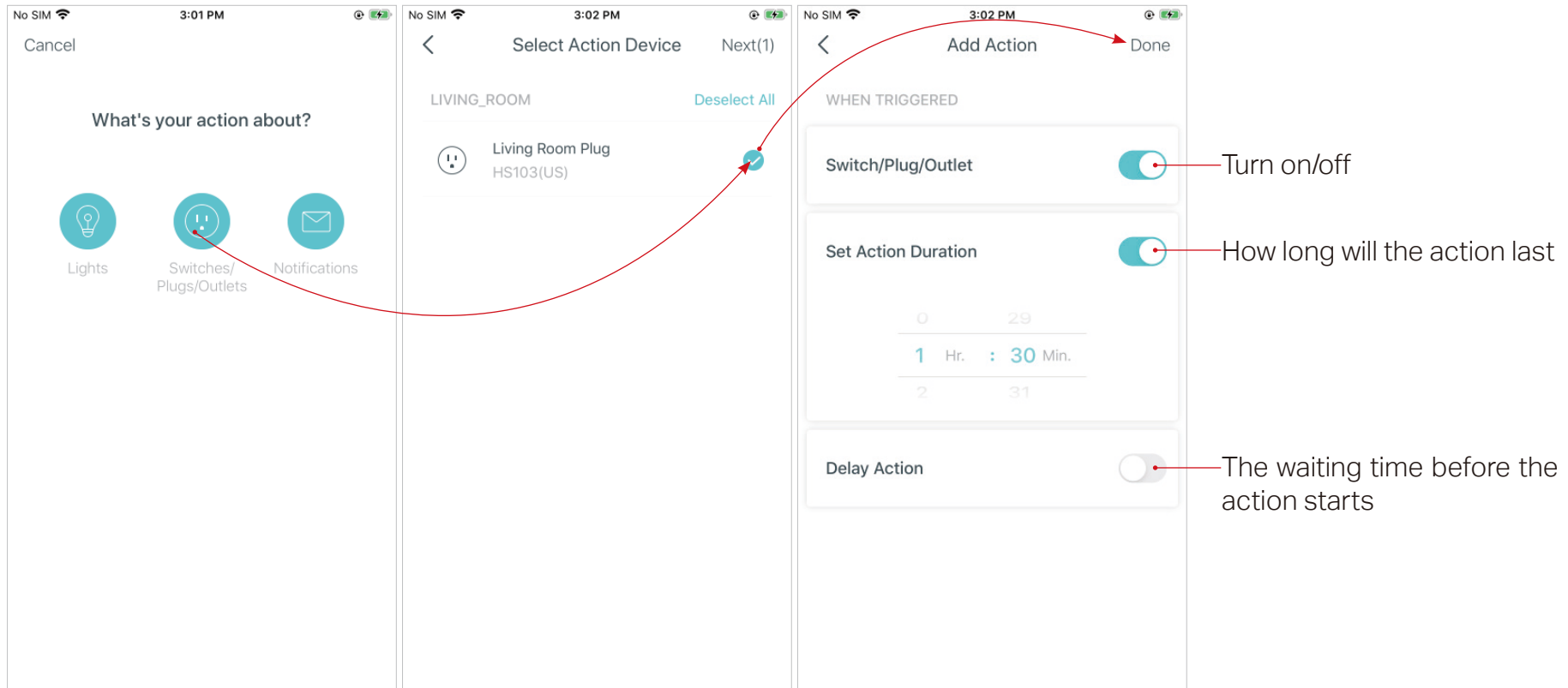


6. Add an action.

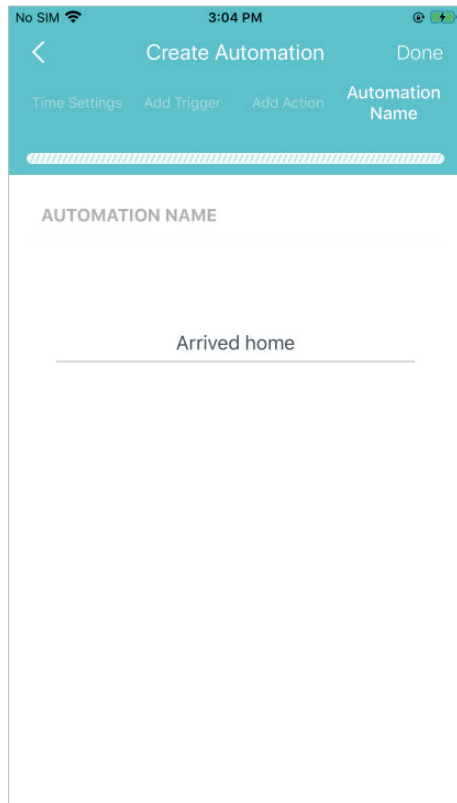


7. Select the action device and set the action details. For example, set the action as below then the living room plug will turn on after you tap the shortcut icon, and will turn off automatically after 1.5 hours.

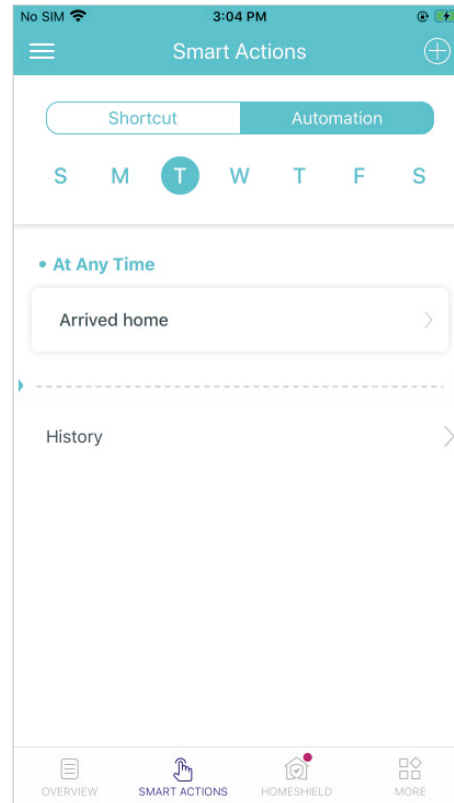
 Tip: If you have set Delay Action, you will need to wait for the time you set before the action takes effect.



8. Set a name for the automation.



9. Automation setup completed. The automation will take effect when the trigger is executed.



# HomeShield

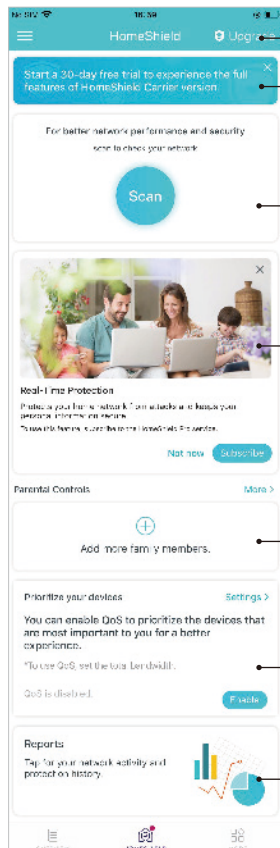
Whether protecting your network from malicious attacks, managing your family's online activities, or prioritizing devices to get better performance, TP-Link HomeShield provides you a kit of basic (free) and Pro (charged) features to enhance your whole home network with enhanced security.

An overview of HomeShield features are shown below.

- **What is HomeShield:** <https://www.tp-link.com/homeshield/>

■ Note: Please refer to your Deco app to check the Basic and Pro features of your actual model.

- **How to use HomeShield features and upgrade to HomeShield Pro:** go to the product support page at <https://www.tp-link.com> and refer to [TP-Link HomeShield User Guide](#).



**HomeShield Pro Subscription:** To enjoy more features, you can upgrade to HomeShield Pro. Check more details about the Basic and Pro features here.

**Scan:** Examine your network regularly to identify the potential risks, thus improving your network performance and security.

**Real-Time Protection:** Real-Time Protection is for Pro users only. There are three ways to ensure your home network and your IoT devices remain safe: (1) block malicious websites, protect your home network and applications against external attacks and eliminate vulnerabilities; (2) prevent infected devices from sending sensitive information or security threats to clients outside your network; (3) identify IoT devices and immediately monitor their security performance once they join the network.

**Parental Controls:** Create profiles for family members and specify the devices that belong to each. Set individualized parental controls including when and for how long each person can access the internet. Block inappropriate content and pause the internet if necessary.

**QoS:** Prioritize the connection of a particular device for a set duration, such as a family member's laptop for one hour during a video call.

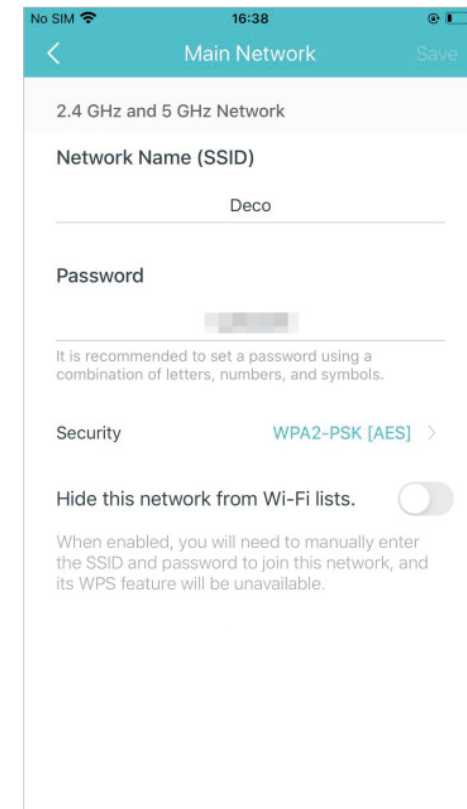
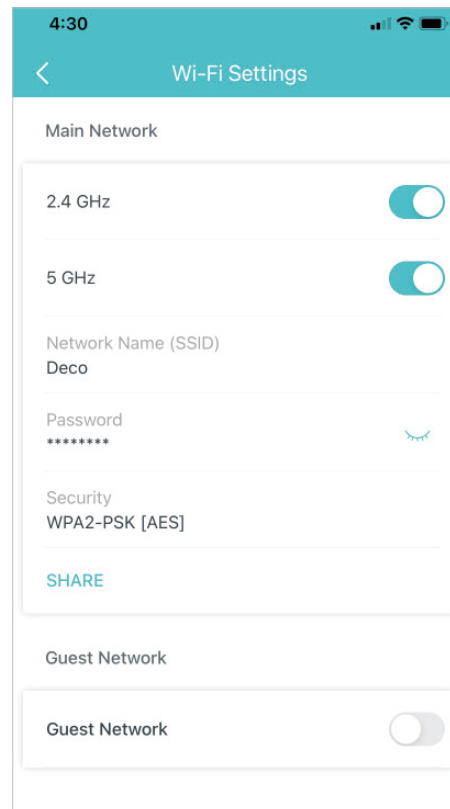
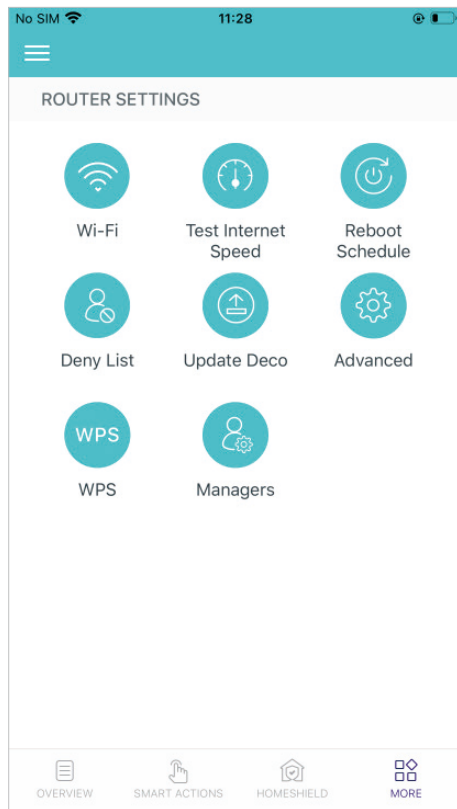
**Weekly/Monthly Reports:** Review a weekly or a monthly list of usage, such as security threats, top visited contents, and more, to better manage your family's online activities.

# 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](#).

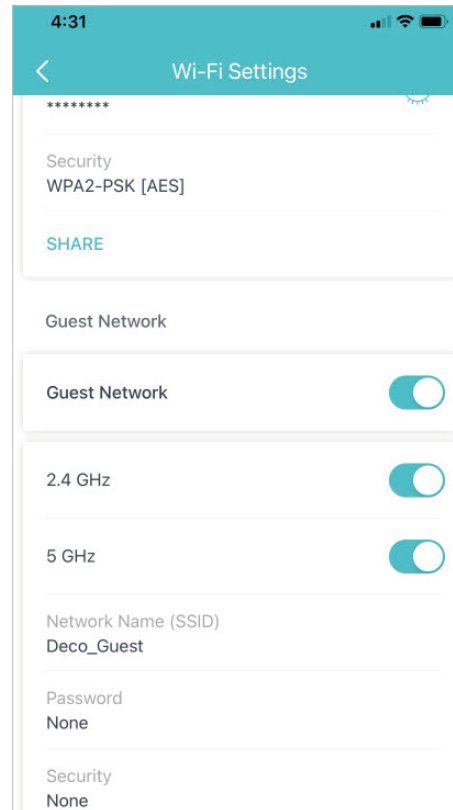
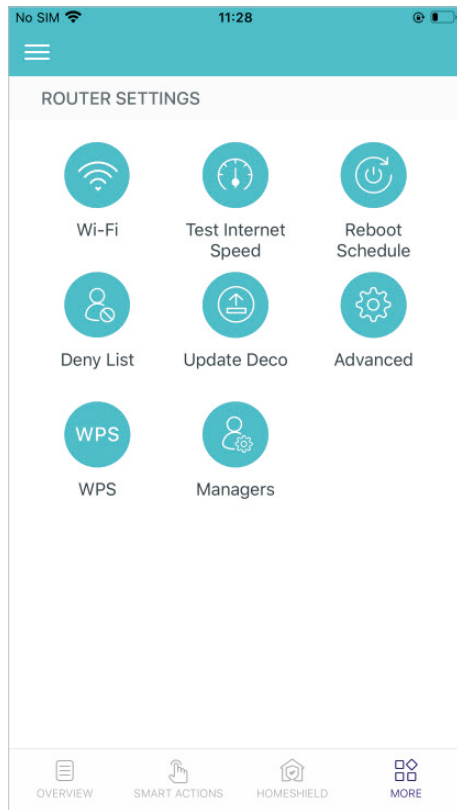
Manage main network (e.g. change your main network's Wi-Fi name and password, hide the network from Wi-Fi list, etc.).



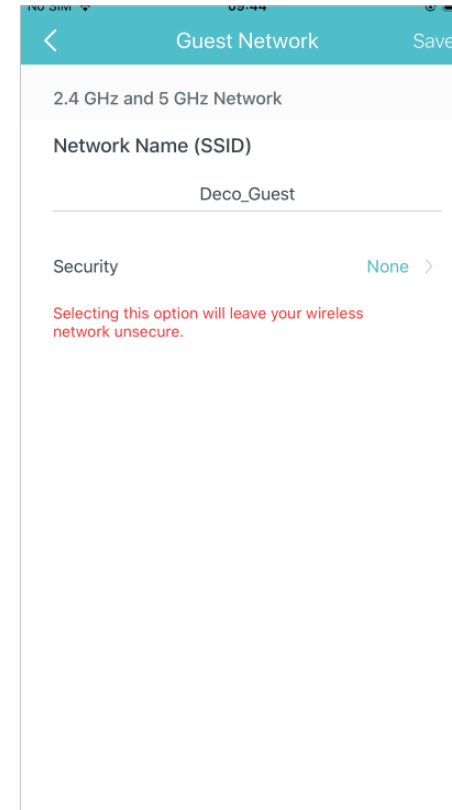
# Guest Network

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

Tap  > **Wi-Fi** and enable **Guest Network**.



Manage the guest network. Change the Wi-Fi name or create a password for the guest network,



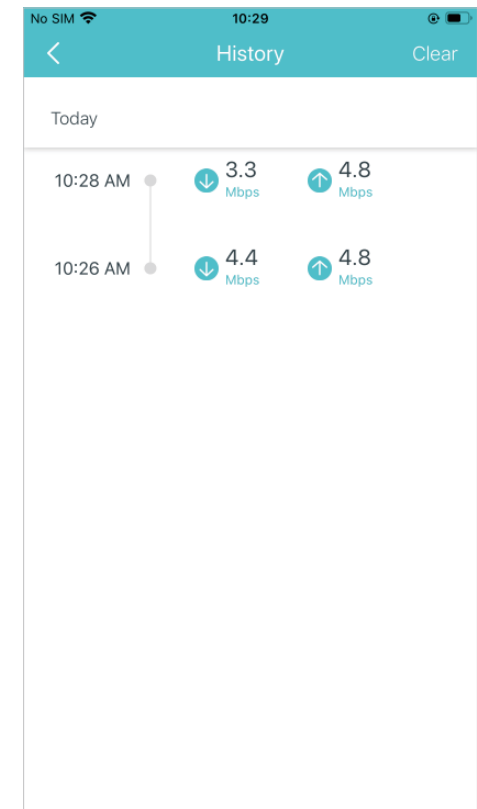
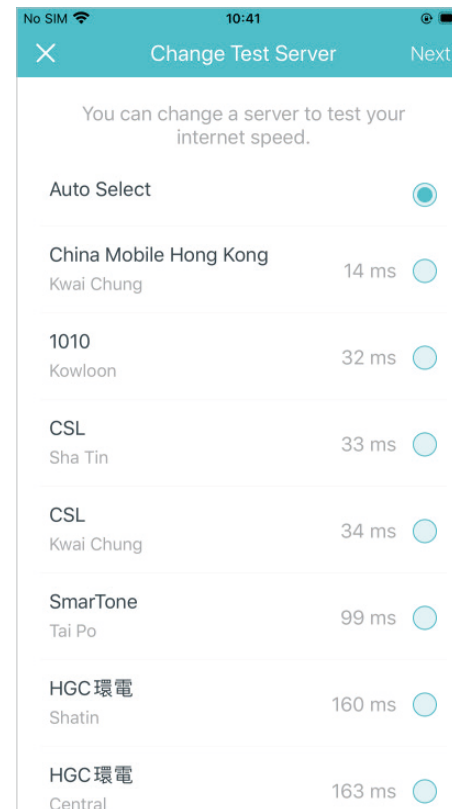
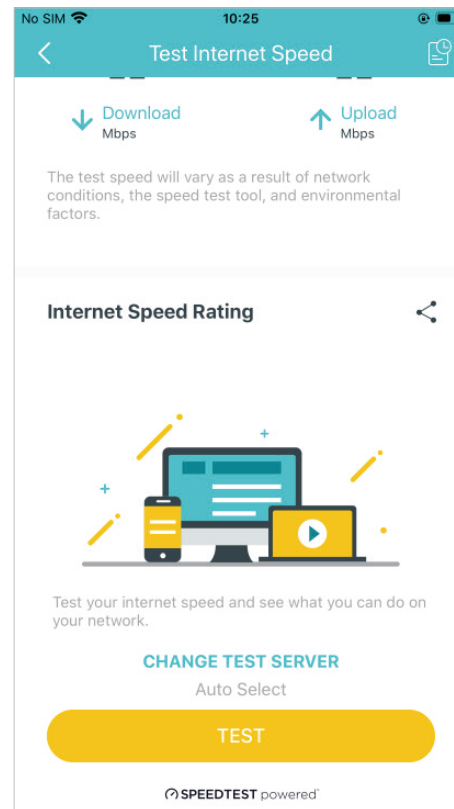
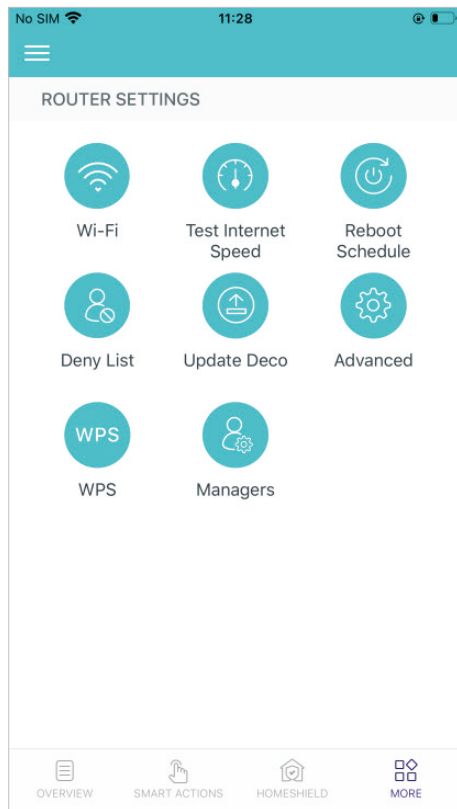


# Test Internet Speed

You can test the download and upload internet speed easily.

Tap  > [Test Internet Speed](#).

Test the internet speed with an auto-selected server or a listed test server. Check the speed test history or clear the history.

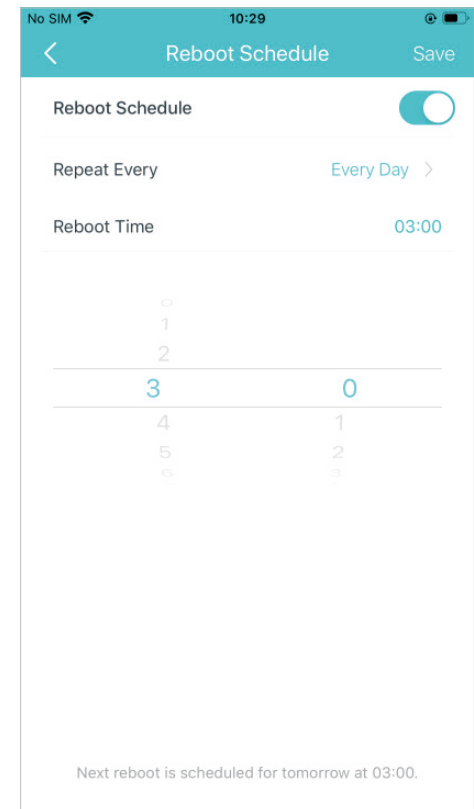
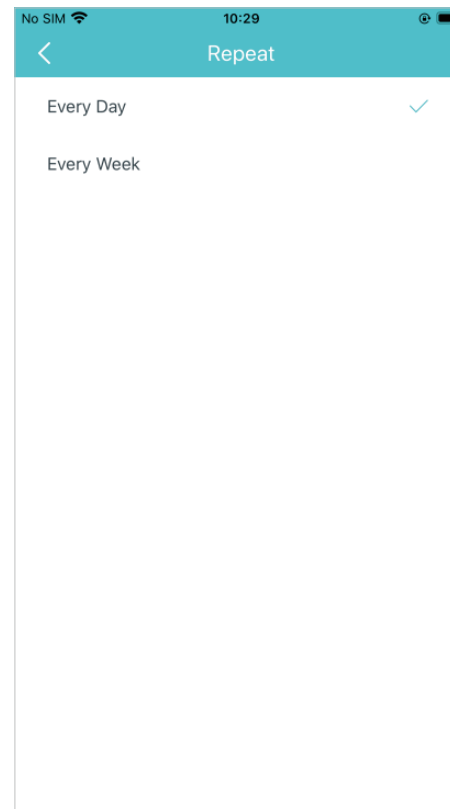
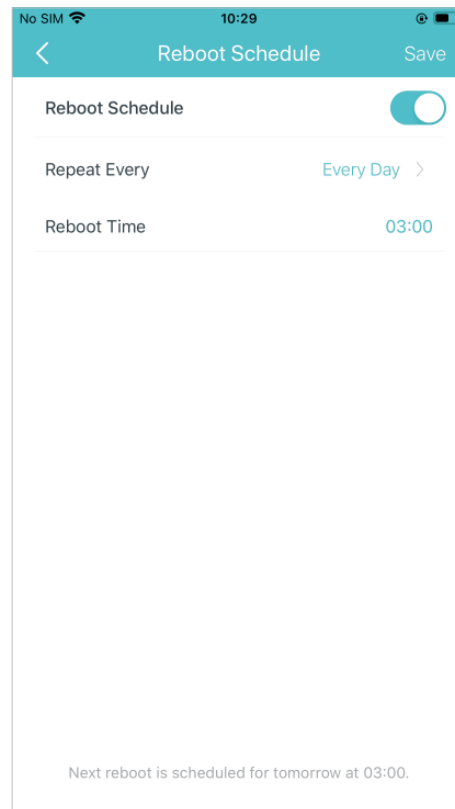
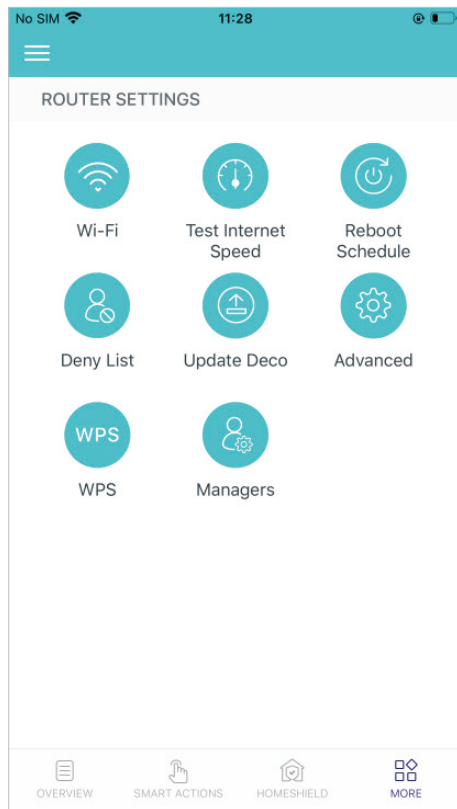


# Reboot Schedule

You can set when and how often your Deco reboots regularly.

Tap  > [Reboot Schedule](#).

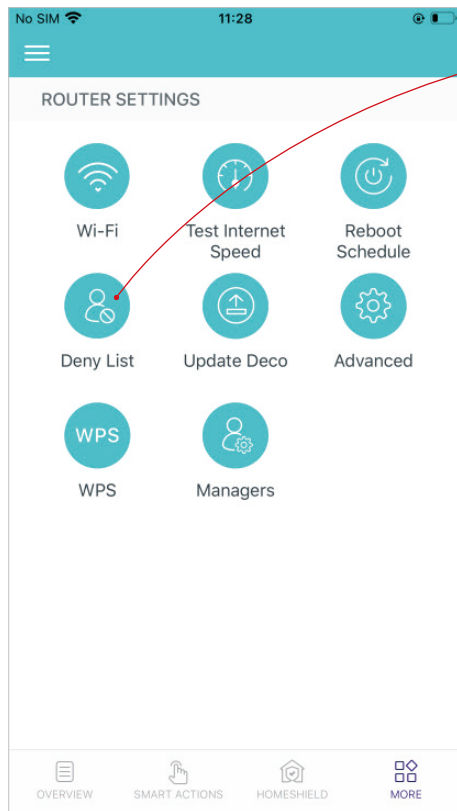
Toggle on [Reboot Schedule](#). Set how often and when your Deco reboots. Then the next reboot is scheduled at a specific time every day or every week.



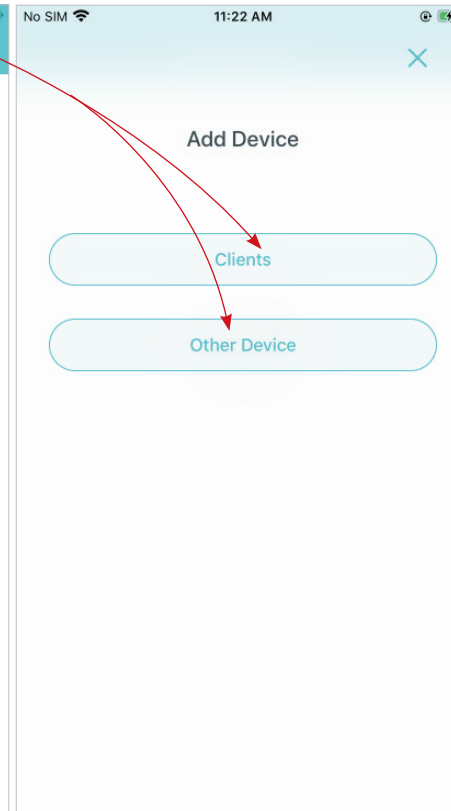
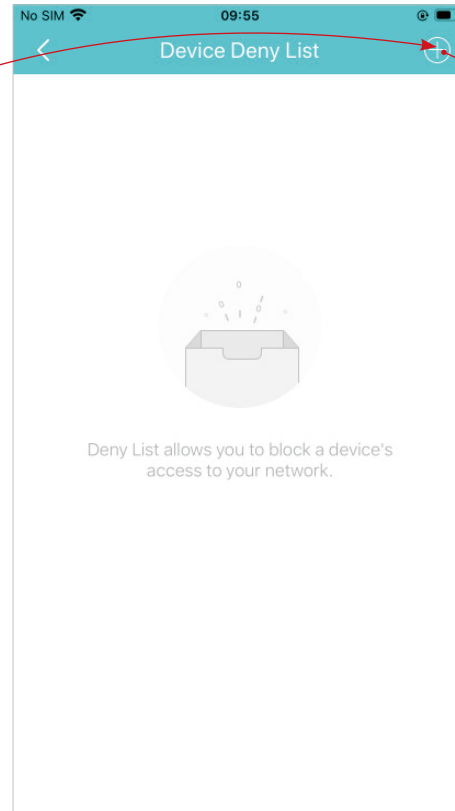
# Deny List

Add devices to the deny list to prevent the devices from accessing your network, ensuring the safety of your personal information shared in the network.

Tap  > Deny List.



Tap + and add clients or other devices to the deny list.



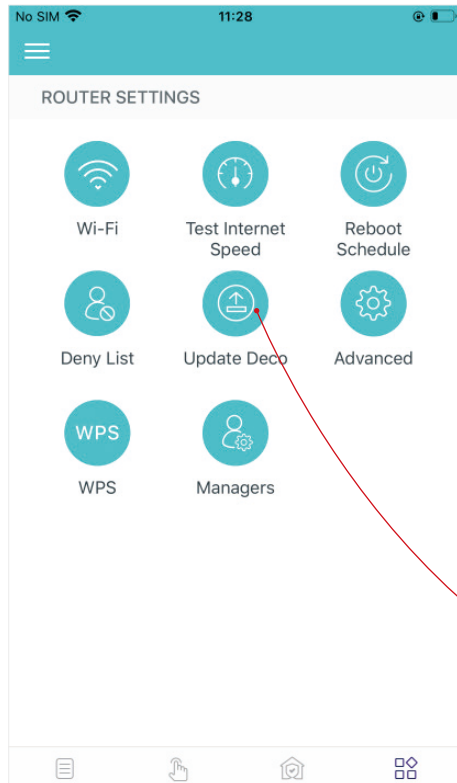
Remove devices/clients from deny list.



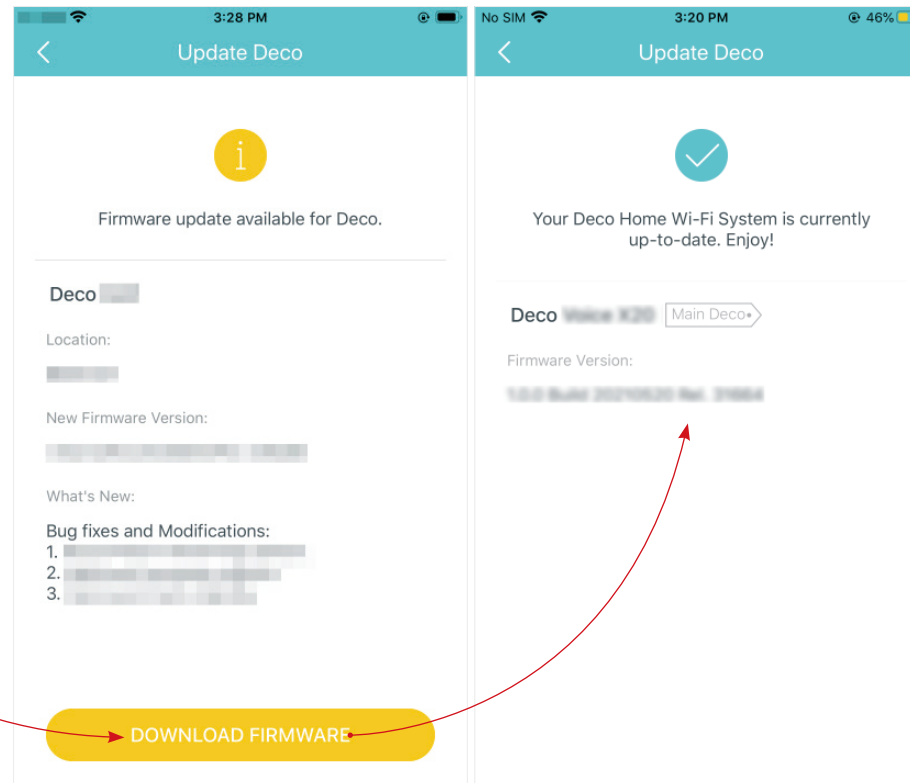
# Upgrade Your Deco

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](#)



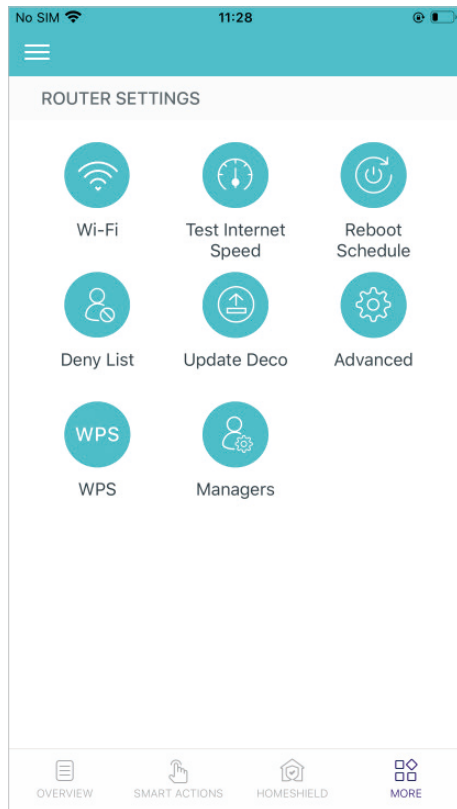
2. Download and install the firmware (if any) and follow app instructions to update your Deco to the latest version.



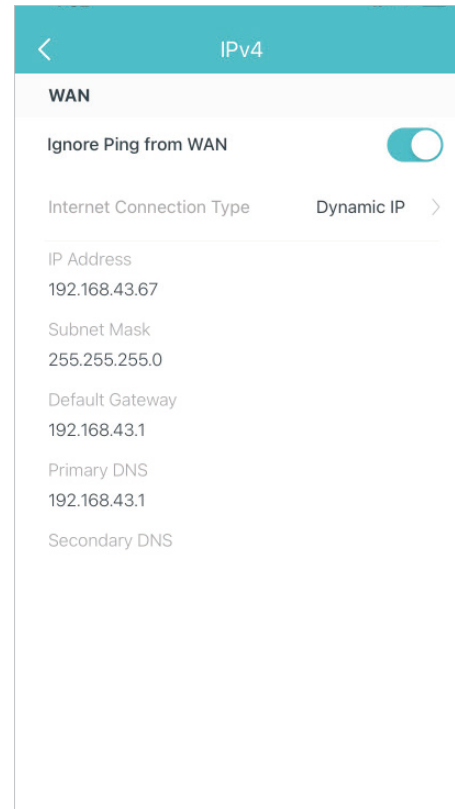
# Advanced Features

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/UPNP/fast roaming/beamforming, control Deco's LED, change the operation mode, set connection alerts and notifications.

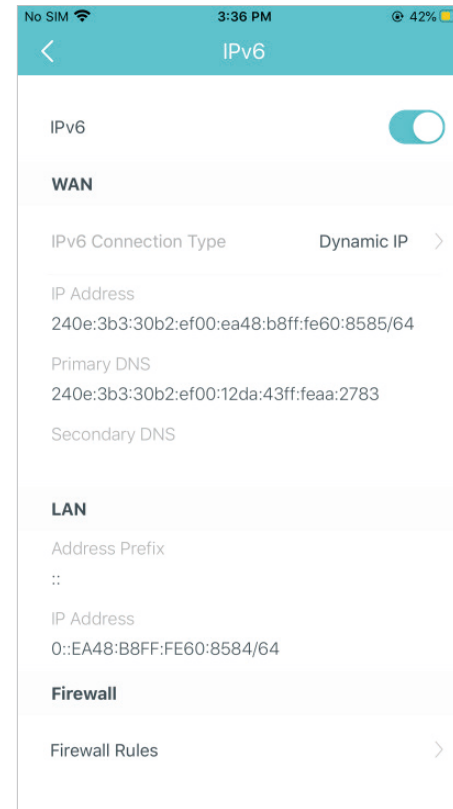
Tap  > [Advanced](#).



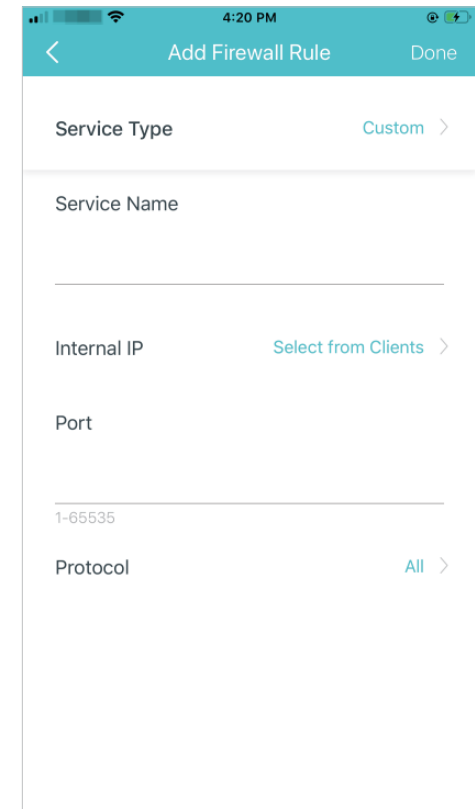
View IPv4 details or change the internet connection type.



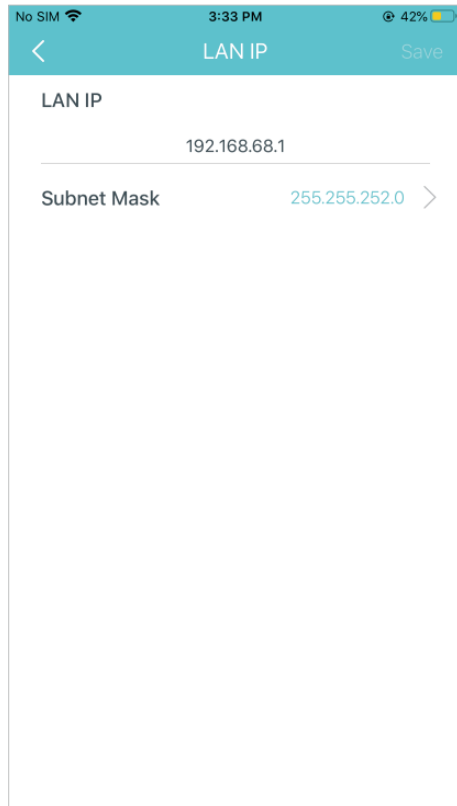
Enable IPv6 to set up an IPv6 internet connection.



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



Modify LAN IP to avoid IP address conflict.



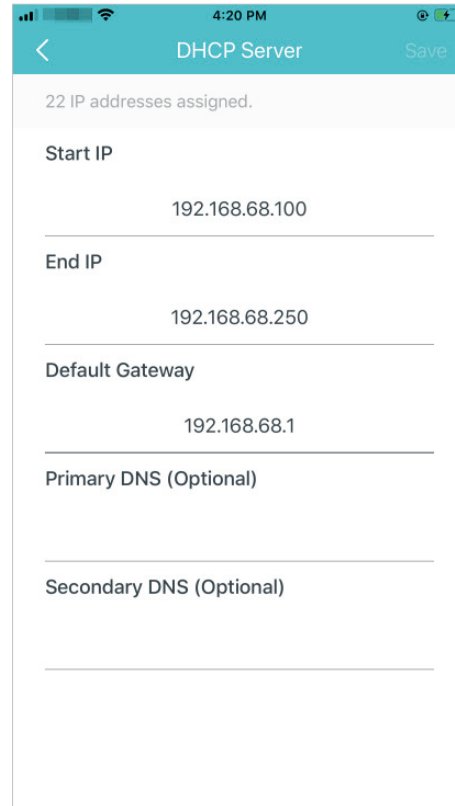
LAN IP

192.168.68.1

Subnet Mask 255.255.252.0

Save

Change DHCP server settings.



22 IP addresses assigned.

Start IP

192.168.68.100

End IP

192.168.68.250

Default Gateway

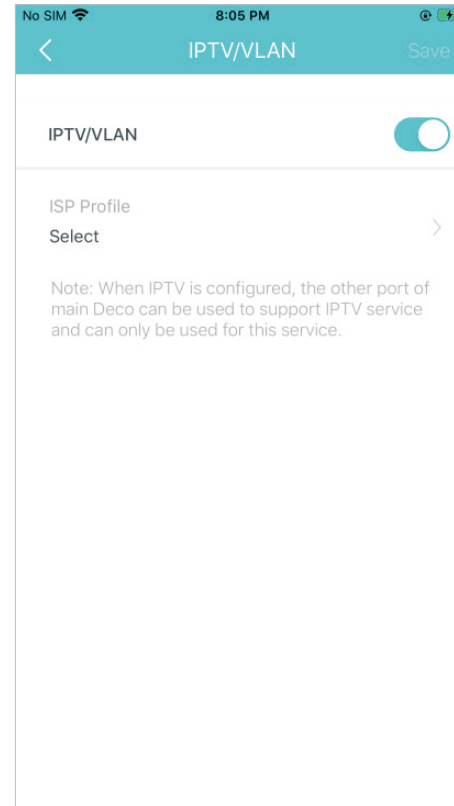
192.168.68.1

Primary DNS (Optional)

Secondary DNS (Optional)

Save

Enable IPTV/VLAN mode to support IPTV services.



IPTV/VLAN

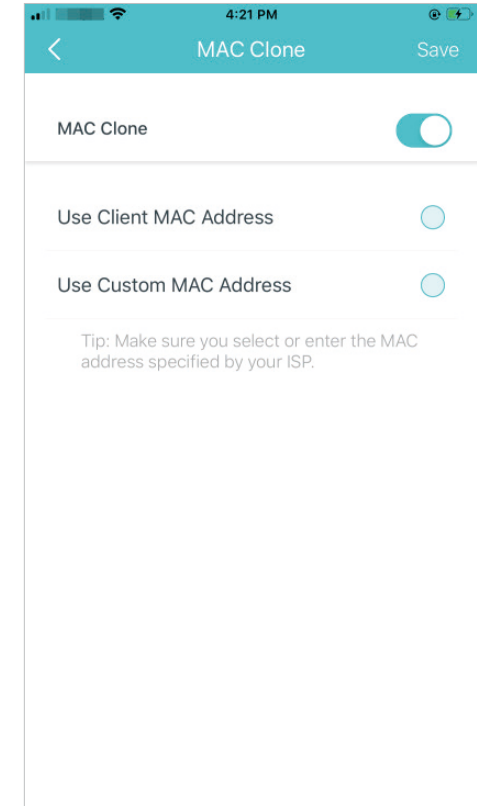
ISP Profile Select

Note: When IPTV is configured, the other port of main Deco can be used to support IPTV service and can only be used for this service.

Save

Enable MAC Clone if Deco fails to connect to the internet.

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



MAC Clone

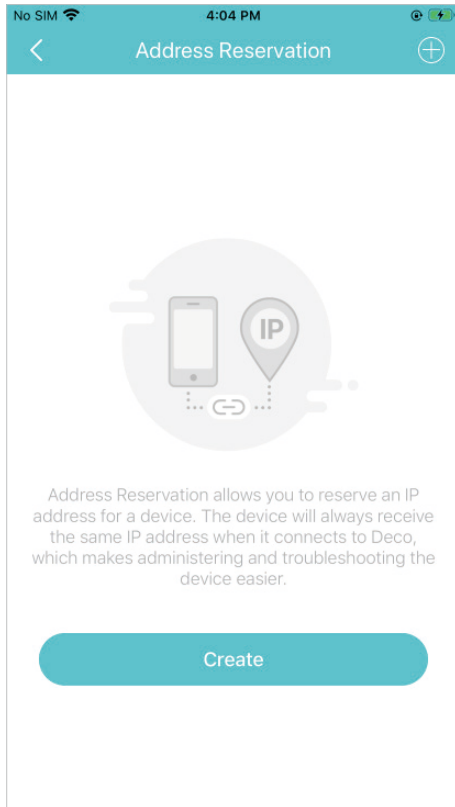
Use Client MAC Address

Use Custom MAC Address

Tip: Make sure you select or enter the MAC address specified by your ISP.

Save

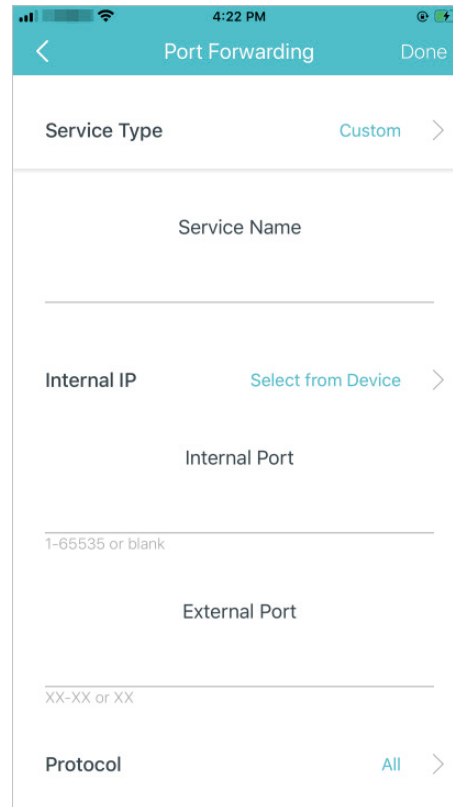
Reserve IP addresses for specific devices to recognize and manage the device more easily.



Address Reservation allows you to reserve an IP address for a device. The device will always receive the same IP address when it connects to Deco, which makes administering and troubleshooting the device easier.

Create

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



Service Type Custom

Service Name

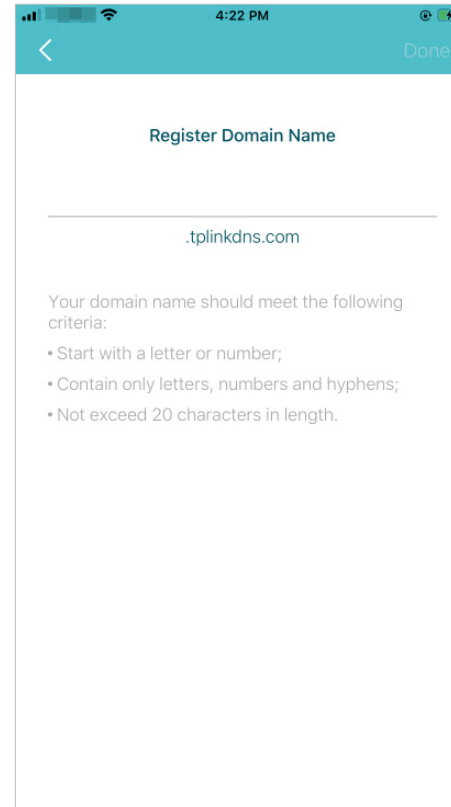
Internal IP Select from Device

Internal Port 1-65535 or blank

External Port XX-XX or XX

Protocol All

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



Register Domain Name

.tplinkdns.com

Your domain name should meet the following criteria:

- Start with a letter or number;
- Contain only letters, numbers and hyphens;
- Not exceed 20 characters in length.

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



SIP ALG

When enabled, clients can communicate with SIP (Session Initiation Protocol) servers via NAT.