



## **Deco App Guide**

Simple. Easy. Yet Powerful.

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## **Get Started**

# **About This Guide**

This guide provides a brief introduction to the Deco app.

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
Underline	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.

## 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 <u>tp-link.com/homeshield/</u> for more information.

# Introduction to Deco App

TP-Link Deco app is the perfect way to set up your Deco mesh Wi-Fi in minutes and control your whole-home network. You can monitor your home Wi-Fi from anywhere, and make changes right from the palm of your hand.

### Your network at-a-glance

Easily access what you use most in the reorganized dashboard. View the network topology and status, manage clients, and more.



#### Safeguard your network

Power up your protection against intrusions and attacks, stay updated on security details, and get network recommendations.

#### Maintain healthy digital habits

Easily control your kids' online time and content. Receive intuitive charts and detailed statistics concerning your kids' online usage.

### More features within reach

Test the in-development features at the Deco Lab, receive intuitive network reports, set up networks for dedicated needs, and more.







## Link for more flexibility

Link your Deco with different accouts for more flexible management.



**Customize app settings** 

basic app settings such as

notifications and appearance.

Get app versions and configure

### Get help instantly

Find all ways in Support Center to solve the problems you encoutered.



# Set Up

Before using your Deco devices, you need to set it up first. Follow the quick setup process on the Deco app to set up your Deco and unlock various features.

## Set Up Your Deco Network

First let's start by setting up the Deco network. Get the TP-Link Deco app for iOS or Android, then follow the app to walk through the setup.

### 1. Get 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.

## 2. Log in or sign up with TP-Link ID

Open the app and log in with your TP-Link ID. If you don't have a TP-Link ID, create one first. Note: If you forgot your login password, tap Forgot Password?.

The app will help you reset your password.

#### 3. Create a Network

In the Deco app, tap the + button on the top right corner of the homepage, then select Create a Network.







### 4. Plug in your Deco

Plug in your Deco and wait until your Deco's LED pulses blue, then your phone/tablet will connect to the Deco's default Wi-Fi automatically.



Power off your modem. Connect your Deco to the modem and power it on. If you don't have a modem, connect your Deco directly to the Ethernet outlet.

### 6. Specify your Deco's location

Select or custom a location for your Deco. The location will be used as the name of your Deco.



### 7. Connect your Deco to the internet

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.

Crea	ate vour Wi-Fi Network
This w	ill be the name and password you'll use
access least 8	s your network. Your password must be characters.
((+	Deco
6	8

### 9. Keep your Deco up-to-date

Set auto update time. This allows your Deco to automatically update to the latest firmware which provides better network experience.



### 10. Setup complete

09:51

connections.

Х

Your Deco network is now up. You can connect your devices to the Deco network for better connections.

### 11. Plug in other Decos (if any)

Place the other included Decos in a suitable position and plug them on, and they will join the network automatically.



# Network

After setting up your Deco network, you can easily access what you use most in the dashboard. Create a new network, switch between networks, view the network topology and status, manage clients, and more.

## **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. Two methods are provided as below to create a new network.

2. Tap **=**.

### Method 1. Via Home Page

## Method 2. Via Side Menu

1. Tap  $\equiv$  to open the side menu.

1. On the home page, tap + and select Create a Network. Then follow app instructions to complete the setup.







3. Tap Create New Network. Then follow app instructions to complete the setup.



## **Switch Between Deco Networks**

2. Select a network to switch to.

If you have created multiple Deco networks with your TP-Link ID, you can switch between them conveniently on the Deco app.

## Method 1. Via Home Page

1. On the home page, tap Change Network.





## Method 2. Via Side Menu

1. Tap 🗮 to open the side menu.



2. Tap ≓.



### 3. Select a network to switch to.



## 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. On the home page, tap + and select Add a Deco Unit.

2. Search for and select your Deco model. Then follow app instructions to add the Deco.



## **Replace Main Deco**

You can replace the current main Deco with a new Deco, and your internet configuration and Wi-Fi settings will remain unchanged. Note: Make sure that the new Deco supports the operation mode of the current main Deco. Otherwise, the network may be unavailable.

## 1. On the home page, tap + and select Replace Main Deco.

## 2. Follow instructions to complete the settings.Note: When replacing your Deco, your network will be temporarilly unavailable.



# Manage Deco Network

After setting up your Deco network, you can easily manage your whole-home network. Check the network status and speeds, reboot network, change the network owner and main Deco, delete the network, and more.

2. Check the network status, speeds, and connected devices.

- 1. On the home page, tap the Network module.
  - 10:53 10:56 12:38 ul 🗢 🗖 12:39 =  $\square$  + < Save Х Change Network Owner • Everything looks good. Deco Select the Deco that you'd like to set 1 client as main Deco. ≓ Change Network 6.2 Mbps 103 kbps singhui chemilito-link com Living Room Main MAC: AC-15-A2-44-5C-E8 🚠 Show Map Bedroom Ø Everything looks good. MAC: 40-AE-30-9B-B7-AC Living Room Main 1 4 679 kbps 257 kbps Note: If the new main Deco does not support TP-Link the current owner, and this owner will no longer be able to HomeShield, built-in features of HomeShield will be Bedroom  $\sim$ Bedroom Living Roon Online Clients (3) Reboot Network 3 Online Clients Set Main Deco Change Network Owner Smart Home Delete Network Add your smart devices and • Cancel ..... 2 Have more than one Deco model?
- Tap 🗄 to manage the network,

# Manage Deco Units

You can easily manage the Deco units in your network. View Deco connections, check the clients of each Deco, edit the Deco's name, and reboot or remove a Deco.

1. On the home page, tap the Network module.



2. Tap a Deco to view device details.



3. Tap 📑 to configure the Deco settings, like rebooting or removing the Deco.



# Manage Network Clients

You can manage each network client easily. Change the device name, check its connection status, add it to the profile of a family member, enable high priority and Mesh Technology for it, and block the device.

1. On the home page, tap the Clients module.

10:53

Deco

≓ Change Network

Online Clients (3)

2

=

- 2. Tap a client to view the details.
- 14:29 **?**∎ 3:06  $\square$  + < < Clients Q යි phone Connected to: Living Room (5 GHz) Online Clients (4) 1Ξ MAC: A2-49-80-DE-1C-A5 IP: 192.168.68.51 phone\_E679 Me  $\Rightarrow$ ↓ 0 kbps ↑ 0 kbps 0 kbps 0 kbps Strong iPhone  $\Rightarrow$  > ↓ 0 kbps ↑ 0 kbps Everything looks good. OPPO-K10-5G  $\Rightarrow$  > Family Member ↓ 0 kbps ↑ 0 kbps 4 679 kbps 257 kbps **Connection Preference** xiao-bo-de-S23 ~ > Speed Limit Off > Bedroom Living Room Offline Clients High Priority 1 >Mesh Technology Disabling Mesh Technology will turn off seamless roaming between Decos for this device. 3 Online Clients Device Isolation Smart Home Add your smart devices and • Block :.

## 3. Tap the device icon to configure the device type and name.



4. Tap Family Member to check the profile it belongs to.

- 4:39 ::!! 🗢 🚺 11:00 < Family Member < **Connection Preference Current Connection** Tom  $\checkmark$ Linked Deco Connection Type Preferred Deco Auto (Recommended) Living Room MAC: AC-15-A2-44-5C-E8 Bedroom MAC: 40-AE-30-9B-B7-AC This client will automatically connect to the Deco that Preferred Wi-Fi Band Auto (Recommended) 2.4 GHz 5 GHz This client will automatically connect to the best Wi-Fi
- 5. Tap Connection Preference to configure the preferred Deco and Wi-Fi band for this client.

ul 🗢 🔳

Living Room

5 GHz

1





## 7. Enable High Priority for this client.



8. Enable Mesh Technology for this client to turn on seamless roaming between Decos for this device.



9. Enable Device Isolation to block this device from communicating with other devices on the network to ensure the network security. Refer to <u>Device Isolation</u> for more details.



10. Tap Block to prevent this device from accessing to the network.

3:06		
<	phone	
Connect MAC	ed to: Living Roon : A2-49-80-DE-1 IP: 192.168.68.51	n (5 GHz) C-A5
<b>0 kbps</b> Download ↓	O kbps Upload ↑	<b>Strong</b> Signal
Family Membe	er	>
Connection P	reference	>
Speed Limit		Off >
High Priority		0
Mesh Technol	ogy	
Disabling Mesh Te roaming between	chnology will turn o Decos for this devic	ff seamless e.
Device Isolatio	on	Disabled >
Block		
		-

## **Deco Smart Home**

Deco works as a central controller to manage your smart devices such as smart bulbs, plugs, and switches. It allows you to access the devices in your local area network (LAN) through the Deco app even when your home goes offline.

## **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.

1. On the home page, swipe up and tap the Smart Home module.



### 2. Tap Get Started.



3. Select the brand of your device and follow the instructions to add it to your Smart Home.



4. When finished setup, you can manage your smart devices on Deco Smart Home.



# **Quickly Do Tasks with Shortcut**

2. Tap + and select Add Shortcut.

Shortcut lets you execute an action with a simple tap. For example, if you want to power off your living room light at one tap, follow the steps below. Note: If you want to create shortcuts for your smart devices, refer to <u>Add Smart Devices</u> to add the them to your Deco network first.

3. Tap Add Action.

1. On the home page, swipe up and tap the Smart module.







4. Choose the devices you'd like to control.



5. Add an action to be executed with a simple tap.

13:12		🗢 🕩
< Ac	ld Action	Done
Action Devices	whi	te lamp >
Set action devices		
On		
Off		~
Duration		Always
Devices turned off by	this shortcut will	keep off.
Delay Action		1h Omin
This action will take pl the shortcut.	ace 1 hour after y	you run

6. Name the shortcut and choose an icon for easy identification.

13:13			🗢 🚺
<	New SI	hortcut	Done
Bedtime			
Select Icon			
G		57	
		k	<b>K</b>
		1	••
			0
		*	۳1
<b>₽</b> ↑	<b>B</b> t	۲	-

Now you can tap to execute the action anytime you like.



## **Automate Your Smart Devices**

Automation allows you to set interactions between your devices by adding triggers and actions. For example, when you arrive home or when 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.

Note: If you want to create shortcuts for your smart devices, refer to Add Smart Devices to add the them to your Deco network first.



## 5. Add an action to be executed when triggered.

### 6. Name the automation.

13:14	🗢 🚱
Add Act	tion Done
Action Daviago	Living room plug
Action Devices	Living room plug /
Set action devices	
On	~
Off	
Duration	Always
Devices turned on by this trig	gger will keep on.
Delay Action	Off
This action will take place im	mediately when
being triggered.	

Now the action will be executed when triggered.

.... ≎ ⊮ +

# **Parental Controls**

Parental Controls helps your kids maintain healthy digital habits.

Easily control your kids' online time and content. Receive intuitive charts and detailed statistics concerning your kids' internet usage.

## **Create Profiles**

To use Parental Controls, let's start by creating profiles for your kids.

1. On the home page, tap Parental Controls and tap Get Started.



2. Create a profile for your kid.

## 3. Select the devices belong to your kid.

Select Devices

9C-5A-81-A6-DA-15

06-14-1D-90-76-98

D2-A8-96-E2-7B-1E

Select devices that belong to this profile.

MyPhone

My-iPhone C4-61-8B-CE-BF-32

UNKNOWN

W50

**N** 

76-B7-07-9A-30-E7

FC-AA-14-55-FB-5D

T1P2

MyPC

?∎

Done(1)

12:19

<

4. Follow the instrustions to complete the settings, then a profile will be created.

Note: Features with 🎧 is for Advanced Parental Controls users only.



## Manage Your Kids' Activities

You can use Parental Controls features to manage your kids online activities such as online time and content. Some features are for HomeShield Subscription Service users only. You need to upgrade to Advanced Parental Controls to use these features. Other features are free for use.

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М

Х

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## 2. Tap the icon $\boxed{4}$ .

P Block

W

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3. Manage the online activities for your kids.

Note: Features with 🔒 is for HomeShield Subscription Service users only. Please upgrade to Advanced Parental Controls to unlock more flexible settings.



## Features for all:

• Filter impropriate content

Tap Content Filter. The categories selected here will be blocked from accessing.

You can add accessible exception sites in Manage Allowed Websites.

4:21 ß	0	"ill "ill 🔶 💷 /
< \	Veb Filter	Save
Select block p	the categories of web corofiles from accessing.	ontent you want to
$\bigcirc$	Mature Content Blocked	(j)
	Gaming Allowed	(i)
	Streaming & Media Allowed	(j)
$\bigcirc$	Chat & Messaging Blocked	(i)
$\bigcirc$	Social Blocked	(i)
$\bigcirc$	Online Shopping Blocked	(j)
$\bigcirc$	File Sharing Blocked	ī
Mar	age Allowed Website	es
	= 0	/

• Block specific websites

Tap Block Websites and enter the websites you want to prevent the profile from accessing.

4:14		:!!! <b>? 6</b> 0
<	Blocked Websites	Save
Websites added	here cannot be accessed.	
+ Add a V	Vebsite	
game.com		:

• Set "no internet" bedtime

Tap Bedtime and set a bedtime to prevent the profile from accessing the internet.

To set a more flexible bedtime, upgrade to Advanced Parental Controls.

Note: Features with 🔒 is for Advanced Parental Controls users only.

4:15	!! \$ <b>@</b>
<	Sav
Bedtime	
Set "No Internet" Bedtime to make su full night's sleep.	ıre your kids have
Off	
Every Day	~
Weekdays & Weekends	ĥ
Custom Days	â
Every Day C 08:00 PM - 🔅 07:00 AM	>
Upgrade to Advanced Paren	tal Controls
	_

## More Flexible Settings for Advanded Parental Controls users only:

### • Block specific apps

Tap Blocked Apps and select the categories or apps to prevent the profile from accessing.

#### Note:

1. If you block an app category, new applications in that category after a firmware upgrade will also be blocked.

Only apps displayed in the list can be blocked. Apps not on the list will be allowed to access.
 If you block apps that have been previously added to App Time Limits, the rules you set in App Time Limits will be ignored and these apps will be blocked.

#### • Youtueb Restricted

Youtube Restricted Mode filters out potentially mature videos while leaving most videos available. • Safesearch

Safesearch helps you filter explicit content from your results.





## • Always Allowed Apps

### 1. Tap Add Apps.

4:33		<b>::!!</b> 4G 🔳
<	Always Allowed Apps	
Set always allo all times.	owed apps that the profile c	an access at
Add Apps		

2. Select app categories or specific apps that the profile can access at all times, regardless of whether they were previously added to Blocked Apps or App Time Limits.



### • App Time Limits

### 1. Tap Add Limits.

### 2. Select app categories or specific apps.

## 3. Set time limits for the selected apps and tap Add to save the settings.

#### Note:

1. If you set time limits for apps that have been previously added to Blocked Apps, these apps will be unblocked and follow the rules you set in App Time Limits.

2. Time limits here refer to the time the device uses internet traffic. Activities that don't use traffic, such as single-player gaming and video buffering, are not included.

Set Limits Action   Every Day    Weekdays & Weekends    Custom Days    Weekdays 2h   Weekends 5h   Sh 0m   6h 30m   7h 7h   Set Weekdays and Weekends >	Set Limits     Add       & Weekends        & Weekends        ays     2h       ays     2h       ays     5h       ah     2h       ah     2h       ays     30m       ays and Weekends     >	4:12			::! <b>!</b> 4G 🔳
Every Day Weekdays & Weekends Custom Days Weekends Meekends Sh Ah Sh Ah Sh Om Ch Sh Om Ch Sh Ch	& Weekends	<	Set L	imits	Add
Weekdays & Weekends     Image: Custom Days       Weekdays     2h       Weekends     2h       Image: Sh     3h       Image: Sh     0m       Image: Sh     0m       Image: Sh     0m       Image: Sh     30m       Image: Sh     30m	& Weekends   ays  Ays  Ays  Ays  Ays  Ays  Ays  Ays	Every Day			
Custom Days Weekdays Weekends Custom Days Custom Custom Days Custom	ays 2h 2h 3n 4h 5h 0m 6h 30m 7h lays and Weekends	Weekdays &	Weekend	s	~
Weekdays     2h       Weekends     5h       3n     4h       5h     0m       6h     30m       7h     2h	2h 5h 3n 4h 5h Om 6h 30m 7h 2h	Custom Day	s		
Weekends     5h       3n     4h       5h     0m       6h     30m       7h     30m	s 5h sh 4h 5h 0m 6h 30m 7h Nave and Weekends >	Weekdays			2h
3h 4h 5h Om 6h 30m 7h 2h	3h 4h 5h Om 6h 30m 7h Hays and Weekends	Weekends			5h
5h     0m       6h     30m       7h     30m       Set Weekdays and Weekends     >	5h     0m       6h     30m       7h     2		3h 4h		
6h 30m Zh	6h 30m Zh lays and Weekends		5h	0m	
Set Weekdays and Weekends	lays and Weekends		6h 7h	30m	
		Set Weekda	ys and We	ekends	>

4:09		::!! 4G 🔳		
<	App Time Limits			
Set daily time limits for app categories you want to manage for Tina.				
Add Limits				


#### • Time Limits

#### 1. Tap Add Limits.

4:09	<b>::!!</b> 4G	
< App Tin	ne Limits	
Set daily time limits for app manage for Tina.	categories you want to	
Add Limits		

2. Select apps you want to manage for the profile.



### 3. Set time limits for the selected apps and tap Add to save the settings.

4:12			::!! 4G 🔳
<	Set I	_imits	Add
Every Day			
Weekdays &	& Weekenc	ls	~
Custom Da	ys		
Weekdays			2h
Weekends			5h
	3h 4h		
	5h	0m	
	6h 7h	30m	
Set Weekda	ays and We	ekends	>

## View Online Usage Data

With the created profiles, you can view intuitive charts and real-time detailed statistics concerning your kids' online usage. Note: App usage data is for HomeShield Subscription Service users only. Upgrade to Advanced Parental Controls to see what apps your kids use and how much time they spend.

- 1. On the home page, tap Parental Controls.
  - 17:17 ? 🚺  $\equiv$ **Parental Controls** Son Block Adjust 14h 37m 33 Adjust Block Om used/8h 0m .....
- 2. Tap a profile to check the online usage data such as most visited websites and most used apps, block history, and more.



# Set Up Family Time

Family time lets you enjoy a nice dinner, or share a fun movie with your family together by pausing the internet with one tap. Family Time is for HomeShield Subscription Service users only.

2. Select a desired network to apply Advanced Parental Controls.

1. On the home page, swipe right to open the menu and select HomeShield.

#

10:38

\*\*

View Account

HomeShield •

¿ Link Account

Discover •

Support Center

App Settings

Deco

ø

11:31 ull 🕆 🔳 ull 🕿 🔳 11:34 11:33 < < **My HomeShield** Select a network Please select a network to apply your My Subscription subscriptions. **Advanced Parental** Monthly Controls Deco Expires at Jun, 15, 2024 MAC: AC-15-A2-7A-41-6E Network PoE MAC: 5C-E9-31-6F-77-F8 Select a network Subscribed Successfully Enjoy premium protection of your network with Deco Advanced Parental Controls. MAC: E4-FA-C4-11-7F-6C Frequently Asked Questions How does the free trial work? 123 MAC: 5C-E9-31-F7-50-84 Will my subscription renew automatically? How will I be charged? How can I cancel my subscription?



### 3. Open Deco app. Go to the Parental Controls tab and tap + > Set up Family Time. Then tap Set Up Now.



4. Add devices of the family member who you want to cut the internet and then set the time duration you want to have your family together without internet distractions.

			11:37		∻∎
	Select Devices	Next	<	Set Duration	Ne
)ther's De	vices	Select All	Select how los devices from	ng you'd like to disconnect the the internet.	selected
0	HONOR_V20-59adb4 32-38-28-DD-20-77	427d7			
	LIO-AN00 F2-F1-C9-55-50-89				
	OPPO-K10-5G A2-49-80-DE-1C-A5				
	iPhone-Hotspot D0-A6-37-83-DA-99			0.5 hours	
	phone 1E-3F-3D-BA-86-B8			1 hour 2 hours	
	phone 42-FD-59-EA-C0-CE			4 hours	
	<b>phone</b> 12-BC-29-52-14-9C				

5. Tap Start anytime you want to activate the family time. Tap Stop anytime when finished.



### **Grant Rewards**

You can add extra online time as a reward for you kid's good behavior. This feature is for HomeShield Subscription Service users only.

1. On the home page, swipe right to open the menu and select HomeShield.



2. Select a desired network to apply Advanced Parental Controls.



### 3. Go to the Parental Controls tab and select a profile.



4. Tap Adjust and select the allowed time you want to add for today.



## **Network Protections**

Real-Time Protection is for HomeShield Security+ users only. After subscribing to HomeShield Security+, you can protect your network safe from attacks by blocking malicious websites, identify potential threats, and blocking hackers from access your devices.

### **Enable Security+ Protection**

Real-Time Protection is for HomeShield Security+ users only. Before using this, refer to <u>Subscribe to HomeShield Service</u> to update to HomeShield Security+ Service.

1. In the homepage, swipe right to open the menu and select HomeShield.



2. Select a desired network to apply Security+.



3. Go to the Security tab. Your Deco will scan automatically. You can tap Scan Details to check the security details such as wireless security or blocked threats and optimize the settings.



4. Upgrade to Security+ for more protections as below.

<ul> <li>2.4 GHz/5 GHz Guest Network Disabled</li> <li>3 Security Tips for you</li> <li>Web Protection</li> <li>Upgrade to Security+ for Web Protection.</li> <li>Bicks access to malicious websites to avoid dangerous links and personal information disclosure</li> <li>Upgrade</li> <li>Intrusion Prevention</li> <li>Upgrade to Security+ for Intrusion Prevention.</li> <li>Identifies potential threats and keeps your network safe from attacks.</li> <li>Upgrade</li> <li>Ignore</li> </ul>	
2.4 GHz/5 GHz Guest Network Disabled 3 Security Tips for you Web Protection Upgrade to Security+ for Web Protection. Blocks access to malicious websites to avoid dangerous links and personal information disclosure Upgrade Ignore Intrusion Prevention Upgrade to Security+ for Intrusion Prevention. Identifies potential threats and keeps your network safe from attacks. Upgrade Ignore	G
3 Security Tips for you         Image: Web Protection         Upgrade to Security+ for Web Protection.         Biocks access to malicious websites to avoid dangerous links and personal information disclosure         Upgrade       Ignore         Upgrade to Security+ for Intrusion Prevention.         Upgrade to Security+ for Intrusion Prevention.	1
<ul> <li>Web Protection</li> <li>Upgrade to Security+ for Web Protection.</li> <li>Blocks access to malicious websites to avoid dangerous links and personal information disclosure</li> <li>Upgrade Ignore</li> <li>Intrusion Prevention</li> <li>Upgrade to Security+ for Intrusion Prevention.</li> <li>Identifies potential threats and keeps your network safe from attacks.</li> <li>Upgrade Ignore</li> </ul>	
Upgrade to Security+ for Web Protection. Blacks access to malicious websites to avoid dangerous links and personal information disclosure Upgrade Ignore Intrusion Prevention Upgrade to Security+ for Intrusion Prevention. Identifies potential threats and keeps your network safe from attacks. Upgrade Ignore	
Blocks access to malicious websites to avoid dangerous links and personal information disclosure Upgrade Ignore Ignore Intrusion Prevention Upgrade to Security+ for Intrusion Prevention. Identifies potential threats and keeps your network safe from attacks. Upgrade Ignore	
Upgrade     Ignore       Intrusion Prevention     Upgrade to Security+ for Intrusion Prevention.       Identifies potential threats and keeps your network safe from attacks.     Upgrade       Upgrade     Ignore	à
Intrusion Prevention Upgrade to Security+ for Intrusion Prevention. Identifies potential threats and keeps your network safe from attacks. Upgrade Ignore	
Upgrade to Security+ for Intrusion Prevention. Identifies potential threats and keeps your network safe from attacks. Upgrade Ignore	
Identifies potential threats and keeps your network safe from attacks. Upgrade Ignore	
Upgrade Ignore	
(\$) IoT Protection	
Upgrade to Security+ for IoT Protection.	
Blocks hackers from accessing your IoT devices.	
Upgrade Ignore	

#### Web Protection

Turn on Web Protection to block access to malicious websites to avoid dangerous links and personal information disclosure.

You can add clients to Exceptions to opt out of the protection.



#### • Intrusion Prevention

Turn on Intrusion Prevention to identify potential threats and keep your network safe from attacks.

You can add clients to Exceptions to opt out of the protection.



#### IoT Protection

Turn on IoT Protection to block hackers from accessing your IoT devices.

You can add clients to Exceptions to opt out of the protection.



### **Device Isolation**

Isolating Your Devices will minimize the potential for potential third parties to gain access to data or devices on your network and will limit the impact of a breach or malware to only some devices. Also, some IoT devices may often consume large portions of your network's bandwidth. Isolating these devices will prevent them from affecting the overall performance of the devices connected to your home network and will allow your router to better allocate and manage bandwidths for the connections.

1. In the homepage, go to the Security tab and tap Device Isolation.

2. Enable Device Isolation. Then tap + to add the devices that you would like to be isolated from your main network.

Then the device will appear in the Isolated Devices list. While isolated, the devices can still access the internet and are able to communicate with other isolated devices. However, isolated devices cannot transfer data with devices on your home network, including managing gateway devices, accessing USB devices, etc.



### **Camera Security**

Camera Security ensures your privacy at home by blocking your camera from accessing the internet at certain times or all the time.

1. In the homepage, go to the Security tab and tap Camera Security.



2. Choose a mode and add cameras to apply the mode.



#### Home Mode

Cameras in Home Mode cannot access the internet during block times. You can set block times in the following two ways:

- Set a Block Schedule: Set times when the cameras will be blocked from the internet.
- Block Upon Arrival: Set mobile phones that once connected to Deco's Wi-Fi, the cameras will be blocked from accessing the internet.



#### Local Only Mode

Cameras in Local Only mode will only work on the local network and cannot access the internet all the time. You can turn it off at any time to let the camera connect to the internet again.



### **More Features**

More features are within reach. Test the in-development features at the Deco Lab, receive intuitive network reports, configure network and account settings for dedicated needs, and more.

Tip: You can use the search box on the More page to quickly find the features you need.

### Test Features at the Deco Lab

Deco app includes a built-in Deco Lab, which is committed to trying experimental features. It keeps updating the lab according to the actual performance to provide even better experiences.

2. Check and test the in-development features. Now Wi-Fi Assistant and VPN Client are

#### 1. Go to More > Deco Lab.



#### Wi-Fi Assistant

Use Wi-Fi Assistant for your Wi-Fi diagnotics and network device scan. You can also check how other Wi-Fi networks are impacting your Wi-Fi, the surrounding cameras, the vendor information for a known MAC address, and ISP information for a known IP address.

• Wi-Fi Diagnostics: Run Wi-Fi Diagnostics to access your network security and performance. The Deco app will automatically check your network's signal strength, security, Ping result, wireless interference, etc.



• Detect Camera: The Deco app can automatically scan all the cameras in your network. You can also follow app instructions to detect camera manually to check if there are any cameras in your house.



• Scan for Devices: Let Deco app scan all the connected devices in your network.



Public IP Lookup: Query tool to query the network information of the current network or the network information of a specific IP address. You can type in a specific IP address to check the location and the ISP information or click Lookup Current IP to check the information of your network if the Internet address of your network is a public address. In the upper right corner of this page, you can view the history.



• **Ping Test:** Ping test on the specified server to view real-time packet loss and latency data. In the upper right corner of this page, you can set the send interval and packet size or view the history.



• MAC Lookup: Query tool for relevant vendor information based on MAC address. You can type in a specific MAC address (first six letters) to check the vendor information of the device.



• Open Port Checker: You can type in a specific IP address to check the opened ports of this server or click Scan Current Device to check the opened ports of your router.



#### **VPN Client**

Get a top-class VPN and encrypt Deco's VPN Client to enhance your network security.

Choose any of the VPN service provider and subscribe the services provided. You can also tap Set up now if you already have one. Customize your own VPN service is also available. Refer to <u>Set Up VPN Server/Client</u> for more setup details.

Note: TP-Link does not provide any guarantee for the services of any third party.



### **Check Network Reports**

The Deco app provides intuitive charts and detailed statistics to help you know your home network better.

#### 1. Go to More > Reports.



2. Check the weekly and monthly reports of your network.

### Wi-Fi Access Control

Wi-Fi Access Control is used to block or allow specific client devices to access your Deco's Wi-Fi network based on a list of blocked devices (Block List) or a list of allowed devices (Allow List).

#### 1. Go to More > Wi-Fi Access Control.

2. Tap Mode and choose a Wi-Fi access mode.



#### • Block List Mode

Add clients to the Block List to prevent them from accessing your Wi-Fi network. You can select clients directly or enter the MAC address of the device you want to block. Then only clients on the Block List are prohibited from connecting to Deco's Wi-Fi.



#### Allow List Mode

Add clients to the Allow List to only allow them access to your Wi-Fi network. Then only devices on the Allow List are allowed to connect (except when Guest Network Exception is enabled).

Guest Network Exception: When enabled, your guests can still connect to the Guest Network without being affected by the Allow List mode.

New Device Notification: When enabled, you can receive inquiry notifications when new devices connect to the network. When disabled, all devices' connection requests will be rejected by default without receiving notifications.



# **Change 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.

#### 1. Go to More > Wi-Fi Settings.



2. Tap Share to share this network to others.

### < Wi-Fi Settings 2.4 GHz & 5 GHz Network Network Name (SSID) Deco Q 🗘 Share

- all 😤 🔳
- 3. Select the Wi-Fi network and you can change the Wi-Fi network name, password and security.



11:16

4. Tap Advanced for more Wi-Fi settings as follow.

<

5. Select a preferred band to be 6. Select a preferred channel width for 5 GHz network. enabled in this network.

#### 16:27 · ? 6] ? **6**] · ? 6] 16:28 16:28 ? **6** 16:28 16:28 ? 6D < 2.4 GHz Channel Settings Advanced Band < < 5 GHz Channel Settings < Advanced Only the selected bands will be enabled in this Channel Width Channel Width WPA2 > WPA2 > Security Security network. Auto 160 MHz (Recommended) $\checkmark$ 1 2.4 GHz $\checkmark$ Band 2.4 GHz, 5 GHz > Band 2.4 GHz, 5 GHz > 40 MHz 80 MHz 5 GHz ~ 2.4 GHz Channel Settings 2.4 GHz Channel Settings 20 MHz Channel Auto(48) > Auto(20) Channel Width Auto(20) Channel Auto(2) Channel Auto(2) >5 GHz Channel Settings 5 GHz Channel Settings 160 MHz Auto(48) Channel Auto(48) Hide Network Hide Network When enabled, you'll need to manually enter the When enabled, you'll need to manually enter the network name and password to join the network. network name and password to join the network. The WPS feature will be unavailable. The WPS feature will be unavailable.

#### 7. Enable Hide Network to hide this network from Wi-Fi list.

### **Create a Guest Network**

You can create and share a separate network for guests to access the internet without revealing your main network, keeping your home Wi-Fi and personal data safe.

#### 1. Go to More > Guest Network.



2. Turn on Guest Network and set a Wi-Fi network name and password for it.



- 3. Select a Wi-Fi security protocol for this network.
- 4. Select a preferred band to be enabled in this network.

11:18		┉
<	Security	
WPA2		~
WPA/WPA2		
WPA3		
WPA2/WPA3 Pe	rsonal	
None		
WPA2-PSK [AES]		



5. Tap Duration to set how long the Guest Network works before it automatically turns off.



6. Tap Advanced to set more settings as follow.

Off >

Off >

7. Enable Bandwidth Control and set a download and upload bandwidth for your network.

15:23		? (5)
<	Bandwidth Contro	bl
Bandwi	dth Control	
Downlo	ad Bandwidth	Mbps
Upload	Bandwidth	Mbps

8. Enable Captive Portal to customize a professional captive portal within minutes.



- Authentication Type: Set a password for newly connected users to authenticate the Captive Portal. You can also leave it blank if unnecessary.
  - 15:23
     Image: Image
- Time Limit: Select the allowed duration of internet access provided after successful portal authentication.

Time Limit

The allowed duration of internet access provided

**?**₫

15:23

Always

1 hour

2 hours

4 hours

8 hours

<

• **Redirect:** Enter the webpage that the newly connected user sees after passing Captive Portal authentication.

Redirect

The webpage that the newly connected user sees

after passing Captive Portal authentication.

**?** 6€

15:24

Redirect

Redirect URL

<

• Login Page: Customize the login page including logo, title, button, Terms of Use, and more.



### Create a IoT Network

Create a dedicated and wireless network to manage all your IoT devices, such as smart lights and camers.

#### 1. Go to More > IoT Network.

- 2. Turn on IoT Network. Set a Wi-Fi network name and password for this network.
- 3. Select a Wi-Fi security protocol for this network.
- 4. Select a preferred band to be enabled in this network.









### **WPS**

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

::!! 🕆 🔳

### 1. Go to More > WPS.



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

## **Change Internet Settings**

You can change internet settings if needed.

#### 1. Go to More > Internet Connection.



#### 2. Tap IPv4 for IPv4 settings.

16:29 ? **6** < Internet Connection IPv4 IPv6 Ignore Ping from WAN IPv4 Connection Internet Connection Type Dynamic IP IP Address 192.168.137.172 Subnet Mask 255.255.255.0 192.168.137.1 Primary DNS 192.168.137.1 Secondary DNS To configure the IPv4 settings, connect your device to the Deco Wi-Fi network first and then reopen the Deco app. Internet Backup 6 

#### 3. Tap IPv6 and enable it for IPv6 settings.



4. Tap Firewall Rules to add rules if you want to allow specific devices to access specific services.



\* Features available in Deco may vary by model and software version. Deco availability may also vary by region or ISP.

Enable network backup

### **Internet Backup**

Internet Backup keeps your device always connected by connecting your Deco to a backup network when the original network is disconnected to ensure normal internet access. When your main network is restored, it will automatically switch back. The following three backup modes are now available for your Decos. Only one backup mode can be enabled at a time.

#### Hotspot Backup Mode

Hotspot Backup Mode allows your Deco to connect to a hotspot backup network when your main network service fails.

- 1. Open your Deco app, and go to More > Advanced > Internet Backup. Alternatively, go to More > Internet Connection > Internet Backup.
- 2. Enable Internet Backup. If multiple backup modes are available, select Hotspot Backup.


3. Select one or more nearby hotspots for network backup.

Note: You can also add hotspot manually.

Note: When there are multiple hotspots, Deco will automatically connect to the best one.

4. After adding a hotspot, you can test its network connection.

Note: The test may take times. Please make sure your hotspot is turned on and can access the internet. Your Deco network may be unstable during the test.



5. It is recommended to set a fixed WAN port to ensure that wired clients can connect to the internet when using the backup network.

Note: Tap set a fixed WAN port or go to More > Advanced > WAN Port. Then disable Auto WAN Port and set a fixed WAN port for your Deco.

#### Setup complete!

When the original network fails, turn on your hotspot and your Deco will automatically switch to the hotspot backup network to keep your network connected.



After enabling Hotspot Backup, you can further configure specific settings.

1. Add Hotspot

Tap Add to add multiple hotspots to the Hotspot List.

#### 2. Switch Hotspot

When Hotspot Backup is in use for internet access, tap Switch Hotspot to use another hotspot in the list as backup hotspot.







#### 3. Speed Limit

You can limit the download speed and upload speed for your Deco network to prevent traffic overflow.

#### 4. Access Permission

You can allow specific clients to access the internet by hotspot. Other clients will be disconnected when your Deco is using hotspot Wi-Fi.

Note: You can add clients currently connected to the Deco network to the Client List or delete clients from the list.



#### • 4G/5G Backup Mode

When you have a 4G/5G Deco as the main Deco in your network, 4G/5G Backup Mode allows your Deco to connect to the backup mobile network provided by the SIM card in the 4G/5G Deco when your main network service fails.

1. Open your Deco app, and go to More > Advanced > Internet Backup. Alternatively, go to More > Internet Connection > Internet Backup.

### 2. Choose 4G/5G Backup.

Note: Make sure the backup Deco is inserted with an available SIM card.

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- 3. It is recommended to set a fixed WAN port to ensure that wired clients can connect to the internet when using the backup network.
- Note: Go to More > Advanced > 4G/5G Backup > WAN Port and disable Auto WAN Port.

# 14:02 & つ 14:01及谷 311 O 🕱 🚳 < WAN Port Auto WAN Port The WAN and LAN ports automatically divide and switch according to the Ethernet cable Current WAN Port Port 2 Change WAN Port Port 2 is the WAN port of your Deco. Please connect the Ethernet cable to this port. Other ports will be used as LAN ports.



311 O A 60

#### Setup complete!

When the original network fails, your Deco will automatically connect to the mobile network provided by the SIM card in the 4G/5G main Deco.



After enabling 4G/5G Backup, you can further configure specific settings.

#### 1. Offline Detection

Select detection methods (Single Detection with DNS Lookup or Dual Detection with DNS Lookup and Ping) which determine when the network is disconnected and the backup takes effect.

#### 2. Backup Settings

Configure internet settings, data settings and more for your SIM card.

Tap Internet to configure internet settings for your SIM card or check internet status. Tap Data Settings to monitor or limit the data usage.



#### Tap SMS to view, send and receive messages for your SIM card.

Tap PIN Management to set a PIN code for your SIM card to protect your SIM card from embezzlement.

Enable External Antennas to strengthen the 5G signals of your Deco if you have installed 5G external antennas on it.

\* 📶 🔊 💷





#### • Hybrid Mesh Backup Mode

When you have a 4G/5G Deco as a satellite Deco in your network, Hybrid Mesh Backup Mode allows your Deco to connect to the backup mobile network provided by the SIM card in the 4G/5G Deco when your main network service fails.

1. Open your Deco app, and go to More > Advanced > Internet Backup. Alternatively, go to More > Internet Connection > Internet Backup.



#### 2. Choose Hybrid Mesh Backup.

Note: Make sure the backup Deco is inserted with an available SIM card.



3. It is recommended to set a fixed WAN port to ensure that wired clients can connect to the internet when using the backup network.

Note: Go to More > Advanced > WAN Port and disable Auto WAN Port.





#### Setup complete!

When the original network fails, your Deco will automatically connect to the mobile network provided by the SIM card in the 4G/5G satellite Deco.



After enabling 4G/5G Backup, you can further configure specific settings.

#### 1. Offline Detection

Select detection methods (Single Detection with DNS Lookup or Dual Detection with DNS Lookup and Ping) which determine when the network is disconnected and the backup takes effect.

#### 2. Backup Settings

Configure internet settings, data settings and more for your SIM card.

Tap Internet to configure internet settings for your SIM card or check internet status. Tap Data Settings to monitor or limit the data usage.



#### Tap SMS to view, send and receive messages for your SIM card.



Tap PIN Management to set a PIN code for your SIM card to protect your SIM card from embezzlement.

Enable External Antennas to strengthen the 5G signals of your Deco if you have installed 5G external antennas on it.



# QoS

QoS (Quality of Service) allows you to prioritize specific devices and applications. Devices and apps set as high priority will run smoothly even when the network is crowded.

# 1. Go to More > QoS.



#### 2. Enable QoS.



# 3. Select an acceleration mode and complete the settings.

#### 3:15 ...! 🗢 🔳 Х Select Acceleration Mode QoS allows you to set scene acceleration and client acceleration. Please select at least one mode of Scene Acceleration A scene includes a batch of apps often used in the same scenario. Select Game, Social, and other preset scenes, or create your customized scene. . Apps of the selected scene will be prioritized to accelerate speeds. **Client Acceleration** 75 Select the clients you need to accelerate. In the same scenario, the selected clients will be prioritized to accelerate speeds.

#### Scene Acceleration Mode

Select a scene that contains a batch of frequently used apps, and these apps will be prioritized for acceleration.

1. Select Scene Acceleration.



2. Set the total bandwidth provided by your ISP.



3. Select up to 4 scenes where speeds need acceleration.



4. Set priority between the selected scenes.



5. When complete, you can tap each scene to adjust the applied apps.



#### • Client Acceleration Mode

Select the clients you need to accelerate. In the same scenario, the selected clients will be prioritized.

#### 1. Select Client Acceleration.

#### 2. Tap Add Clients.

3. Select the clients needed acceleration and save. Then the selected clients will be prioritized.



# **Network Optimization**

Network Optimization analyzes the quality of the Deco wireless network by scanning the interference signals in the environment and improves your wireless experience by optimizing the Deco network's channel.

#### 1. Go to More > Network Optimization.

2. Tap Scan to detect network security and performance.

3. Optimize the network if needed.



# **Create Static Routes**

Static routing is a form of routing that is configured manually by a network administrator or a user by adding entries into a routing table. The manuallyconfigured routing information guides the router in forwarding data packets to the specific destination.

1. Go to More > Advanced > Static Routing, and tap Add Static Route.



2. Fill in the necessary information.

- Description: Specify a description for the routing entry.
- Network Destination: The network destination is the address of the network of host that you want to assign to a static route.
- Subnet Mask: The Subnet Mask divides the network portion and the host portion of an IP address.
- Default Gateway: This is the IP address of the default gateway device that allowing for the contact between the router and the network or host.
- Interface: Select the interface to specify the type of the network ٠ destination.



3. After you save the settings, if the entry you have set appear on the screen, the static routing is set successfully.

+

# Set Up VPN Server/Client

Use WireGuard VPN, Open VPN, PPTP VPN, or L2TP/IPSec VPN to access your home network, and use VPN Client to access a remote VPN server.

# Use VPN Client to Access a Remote VPN Server

VPN Client is used to create VPN connections for devices in your home network to access a remote VPN server.

To use the VPN feature, simply configure a VPN connection and choose your desired devices on your Deco router, then these devices can access the remote VPN server. Please follow the steps below:

#### 1. Go to More > VPN > VPN Client.

## 2. Tap Add VPN Server.

3. Select your VPN service and follow instructions to complete the settings.



4. Tap Custom and customize the VPN type. Then enter the VPN information provided by your VPN provider and save the settings.

- OpenVPN: Enter the VPN username and password if required by your VPN provider, otherwise simply leave them empty. Then import the configuration file provided by your VPN provider.
- PPTP: Enter the VPN server address and the VPN username and password provided by your VPN provider.
- L2TP/IPSec: Enter the VPN server address, VPN username and password, and IPSec pre-shared key provided by your VPN provider.

11:06 🕇	🗢 95	12:04	🗢 😡	5:24	::!! ব		5:26	## \$ ■	5:27	::!! 중 ■
<	×	X Add WireGuard VP	<b>PN</b> Save	×	Add OpenVPN	Save	×	Add PPTP Server Save	× Ad	d L2TP/IPSec Server Save
Customize VPN Type		Description	WireGuard	Description	OpenVI	N	Description	рртр	Description	L2TP
WireGuard	>			Username			VPN Serve	r IP Address/Domain Name	VPN Server	IP Address/Domain Name
OpenVPN	<u>,</u>	Scan QR Code		Decouverd			Lloornomo	, Optional	Llaarnama	Ontional
		Import from Config File		Password			Osemane		Osername	
РРТР	>			Config File	Browse F	ile	Password	Optional 🔕	Password	Optional 🔇
		NAI					Encryption	Auto >	IPSec Pre-Sh Please enter vo	hared Key >
L2TP/IPSec	>	Interface								
		Private Key	Required							
		Address	Required							
		DNS Server 1	Optional							
		DNS Server 2	Optional							
		MTU Size	1420 Bytes							
		Peer	•							

#### 5. Tap Client List and + to add devices that will use the VPN function



allow all devices connected to your Deco to use the VPN function or only allow devices on the Client List to use VPN function.



Done! Now the devices you specified can access the VPN server you enabled.

# Use WireGuard VPN to Access Your Home Network

WireGuard VPN Server is used to create a Wire Guard VPN connection for remote devices to access your home network. Follow the steps below to set up an WireGuard VPN connection.

### 1. Go to More > VPN > VPN Server.





#### 2. Tap Add VPN Server and select WireGuard VPN.

3. Enter the necessary information and save the settings.

- **Description:** Enter a name for this WireGuard VPN.
- Tunnel IP Address and Listen Port: Usually automatically filled in. Do NOT change it unless necessary.
- Client Access: Select your client access type. Select Home Network Only if you only want the remote device to access your home network. Select Internet and Home Network if you also want the remote device to access internet through the VPN server.
- (Optional) Advanced Settings: If DNS is turned on, the Deco will become the DNS server of the VPN client that establishes a connection with it. Change the Persistent Keepalive time (25 seconds by default) to send out heartbeat regularly.

Add WireGuard VPN Save   Description WireGuard VPN   Tunnel IP Address 10.5.5.1/32   Listen Port 51820   Client Access   Internet and Home Network   Advanced   Peer List   Add at least one account to access the VPN.   Add Peer	4:18	! <b>?</b> •
Description WireGuard VPN   Tunnel IP Address 10.5.5.1/32   Listen Port 51820   Client Access >   Internet and Home Network >   Advanced >   Peer >   Peer List 0 >   Add at least one account to access the VPN.   Add Peer	X Add WireGuard VP	N Save
Tunnel IP Address 10.5.5.1/32   Listen Port 51820   Client Access >   Internet and Home Network >   Advanced >   Peer    Peer List O >   Add at least one account to access the VPN.   Add Peer	Description Wi	ireGuard VPN
Listen Port 51820 Client Access Internet and Home Network > Advanced > Peer Peer List 0> Add at least one account to access the VPN. Add Peer	Tunnel IP Address	10.5.5.1/32
Client Access   Internet and Home Network     Advanced   Peer   Peer List   Add at least one account to access the VPN.   Add Peer	Listen Port	51820
Advanced > Peer Peer List 0 > Add at least one account to access the VPN. Add Peer	Client Access Internet and Home Network	>
Peer List 0 > Add at least one account to access the VPN.	Advanced	>
Peer List 0 > Add at least one account to access the VPN.	Peer	
Add at least one account to access the VPN. Add Peer	Peer List	0 >
Add Peer	Add at least one account to access t	he VPN.
	Add Peer	
		-

- 4. Tap Add Peer to create accounts that can be used by remote clients to connect to the VPN server.
- Description: Enter a name for this account.
- Address: View the address of the virtual interface assigned to this account. Do NOT change it unless necessary.
- Allowed IPs (Server): Traffic sent from the WireGard VPN server to the allowed IPs (server) will be transmitted through the tunnel. Do NOT change it unless necessary.
- Allowed IPs (Client): Traffic sent from the WireGard VPN client to the allowed IPs (client) will be transmitted through the tunnel. By default, all network traffic from clients will be transmitted through the tunnel. Do NOT change it unless necessary.
- Pre-shared Key: Enable or disable Pre-shared Key.

4:28		
×	Add Peer	Done
Description		
Address 10.5.5.2/32		
Allowed IPs(Server) 10.5.5.2/32		
Allowed IPs(Client) 0.0.0.0/0		
Pre-Shared Key	(Secret)	0

- 5. Save the settings and you can connect to the WireGuard Server.
- For mobile phones:

Download WireGuard App from Google Play or Apple Store, then use the App to scan the QR Code to connect to this server.

• For other devices (e.g. TP-Link WireGuard VPN client):

Click Export Config File to save the WireGuard VPN configuration file which will be used by the remote device to access your Deco.



# Use OpenVPN to Access Your Home Network

OpenVPN Server is used to create an OpenVPN connection for remote devices to access your home network.

To use the VPN feature, you need to enable OpenVPN Server on your Deco router, and install and run VPN client software on remote devices. Please follow the steps below to set up an OpenVPN connection.

#### 1. Go to More > VPN > VPN Server.



# 4:49 ::!! ? 🔳 4:14 < VPN Server +< **VPN Server** VPN Server allows remote devices to access your home network in a secured way through the Select VPN Type Add VPN Server WireGuard VPN OpenVPN PPTP L2TP/IPSec Cancel

#### 2. Tap Add VPN Server and select OpenVPN.

3. Enter the necessary information and save the settings.

- **Description:** Enter a name for this OpenVPN.
- Service Type: Select the service type (UDP/TCP) for OpenVPN.
- VPN Port: Enter a VPN service port to which a VPN device connect, and the port number should be between 1024 and 65535.
- VPN Subnet/Netmask: Enter the range of IP addresses that can be leased to the device by the OpenVPN server.
- Client Access: Select your client access type. Select Home Network Only if you only want the remote device to access your home network. Select Internet and Home Network if you also want the remote device to access internet through the VPN server.

5:13		::!! २ ∎	5:14		#‼ 중 ■	5:15	::!! � ■
×	Add OpenVPN	Save	<	Service Type		< с	lient Access
Description		OpenVPN	UDP		~	Internet and Hor	ne Network
Service Type	9	UDP >	TCP			Home Network 0	Dnly 🗸
VPN Port		Required					
VPN Subnet		Required					
Netmask		Required					
Client Acces	s Home Net	work Only >					

<sup>\*</sup> Features available in Deco may vary by model and software version. Deco availability may also vary by region or ISP.

4. Tap the VPN you have saved and tap Export Config File to save the OpenVPN configuration file which will be used by the remote device to access your router.



5. Now you need to configure OpenVPN connection on your remote device.

(1) Visit <u>https://openvpn.net/community-downloads/</u> to download the OpenVPN software, and install it on your device where you want to run the OpenVPN client utility.

Note: You need to install the OpenVPN client utility on each device that you plan to apply the VPN function to access your Deco router. Mobile devices should download a third-party app from Google Play or Apple App Store.

(2) After the installation, copy the file exported from your router to the OpenVPN client utility's "config" folder (for example, C:\Program Files\OpenVPN\config on Windows). The path depends on where the OpenVPN client utility is installed.

(3) Run the OpenVPN client utility and connect it to OpenVPN Server.

# Use PPTP VPN to Access Your Home Network

PPTP VPN Server is used to create a PPTP VPN connection for remote devices to access your home network.

To use the VPN feature, you need to set up PPTP VPN Server on your Deco router, and configure the PPTP connection on remote devices.

Please follow the steps below to set up a PPTP VPN connection.

### 1. Go to More > VPN > VPN Server.

2. Tap Add VPN Server and select PPTP.



3. Enter the necessary information and save the settings.

- **Description:** Enter a name for this VPN.
- Client IP Address: Enter the range of IP addresses (up to 10) that can be leased to the devices by the PPTP VPN server.
- Allow NetBIOS passthrough: Enable it to allow your VPN device to access your Samba server using NetBIOS name.
- Allow unencrypted connections: Enable it to allow unencrypted connections to your VPN server.
- Account List: Add the PPTP VPN connection account (user name and password) for the remote device. You can create up to 16 accounts.

4:52	#!! ? ■	4:54	::!! ≑ ■	4:55	::!! ≑ ■	4:55	##?■
X Add PPTP VPN	Save	Client IP Add	ress Save	× Accour	nt List +	×	Add Account Done
Description	РРТР	⊗ -				Username	
Client IP Address	>					Password	Q
Allow NetBIOS passthrough							
Allow unencrypted connections							
Account List	0 >						
Note: Add at least one account to access th	ne VPN.			Add at least one accou	nt to access the VPN.		
		q w e r t y a s d f g cr z x c v 123 cr space	u i o p h j k l b n m next	Add Ac	count		

4. Now you need to configure PPTP VPN on your remote device. The remote device can use the Windows built-in PPTP software or a third-party PPTP software to connect to PPTP Server. Here we use the Windows built-in PPTP software as an example.

(1) Go to Start > Control Panel > Network and Internet > Network and Sharing Center and select Set up a new connection or network.



(2) Select Connect to a workplace and click Next.



### (3) Select Use my Internet connection (VPN).

(4) Enter the internet IP address of the router in the Internet address field. Click Next.

📀 🌆 Connect to a Workplace	
How do you want to connect?	
<ul> <li>Use my Internet connection (VPN)</li> <li>Connect using a virtual private network (VPN) connection through the Internet.</li> </ul>	
🧶 — 🎱 — 🦫	
Dial directly Connect directly to a phone number without going through the Internet.	
ing ing ing	
What is a VPN connection?	
	Cancel

🚱 🌆 Connect to a Workplace						
Type the Internet addr	ess to connect to					
Your network administrator o	an give you this address.					
Internet address:	218.18.1.73					
Destination name:	VPN Connection					
Use a smart card						
Of the structure of	use this connection yone with access to this computer to use this connection.					
🔲 Don't connect now; ji	ust set it up so I can connect later					
	Nex	t Cancel				

(5) Enter the User name and Password you have set for the PPTP VPN server on your router, and click Connect.

(6) Click Connect Now when the VPN connection is ready to use.

G	🗽 Connect to a Workplace		
	Type your user name	and password	
	User name:	allers.	
	Password:	•••••	
	Domain (optional):	Show characters  Remember this password	
			Connect Cancel

🚱 🌆 Connect	t to a Workplace	
The conr	nection is ready to use	
	i 🌉 🧊	
	Connect now	
		Close

# Use L2TP/IPSec VPN to Access Your Home Network

L2TP/IPSec VPN Server is used to create a L2TP/IPSec VPN connection for remote devices to access your home network. To use the VPN feature, you need to set up L2TP/IPSec VPN Server on your Deco router, and configure the L2TP/IPSec connection on remote devices. Please follow the steps below to set up the L2TP/IPSec VPN connection.

#### 1. Go to More > VPN > VPN Server.

2. Tap Add VPN Server and select L2TP/IPSec.



3. Enter the necessary information and save the settings.

- Description: Enter a name for this VPN.
- Client IP Address: Enter the range of IP addresses (up to 10) that can be leased to the devices by the L2TP/IPSec VPN server.
- IPSec Encryption/ IPSec Pre-Shared Key: Keep IPSec Encryption as Encrypted and create an IPSec Pre-Shared Key.
- Account List: Add the L2TP/IPSec VPN connection account (user name and password) for the remote device. You can create up to 16 accounts.



4. Now you need to configure L2TP/IPSec on your remote device. The remote device can use the Windows or Mac OS built-in L2TP/IPSec software or a third-party L2TP/IPSec software to connect to L2TP/IPSec Server. Here we use the Windows built-in L2TP/IPSec software as an example.

(1) Go to Start > Control Panel > Network and Internet > Network and Sharing Center and select Set up a new connection or network.



(2) Select Connect to a workplace and click Next.


### (3) Select Use my Internet connection (VPN).

(4) Enter the internet IP address of the router in the Internet address field. Select Don't connect now; just set it up so I can connect later. Then click Next.

🕒 🗽 Connect to a Workplace	
How do you want to connect?	
<ul> <li>Use my Internet connection (VPN)</li> <li>Connect using a virtual private network (VPN) connection through the Internet.</li> </ul>	
🧶 — 🎱 — 🦫	
<ul> <li>Dial directly Connect directly to a phone number without going through the Internet.</li> </ul>	
ių — 🦫	
What is a VPN connection?	
	Cancel

Connect to a Workpl	lace
Your network administr	ator can give you this address.
Internet address:	218.18.1.73
Destination name:	VPN Connection
Use a smart card	I

(5) Enter the User name and Password you have set for the L2TP/IPSec VPN server on your router, and click Connect.

(6) Click Close when the VPN connection is ready to use.

G	🗽 Connect to a Workplace		
	Type your user name	and password	
	User name:	alless .	
	Password:	•••••	
	Domain (optional):	Show characters Remember this password	
			Connect Cancel

🕞 🌆 Connect to a Workplace	×
The connection is ready to use	
<b>A</b>	
Connect now	
	lose

(7) Go to Network and Sharing Center and click Change Adapter Settings.

(8) Find the VPN connection you created, then double-click it.





(9) Enter the Username and Password you have set for the L2TP/IPSec VPN server on your router, and click Properties.

(10) Switch to the Security tab, select Layer 2 Tunneling Protocol with IPsec (L2TP/IPSec) and click Advanced settings.

User name: Password:
Do <u>m</u> ain:
<ul> <li>Save this user name and password for the following users:</li> <li>Me only</li> <li>Anyone who uses this computer</li> </ul>
Connect Cancel Properties Help

Type of VPN:	
Layer 2 Tunneling Protocol with IP	sec (L2TP/IPSec) 🔹
Data encryption:	Advanced settings
Require encryption (disconnect if s	erver declines) 🔻
Use Extensible Authentication	Protocol (EAP)
Allow these protocols	riopetites
Unencrypted password (PA)	P)
Challenge <u>H</u> andshake Auth	entication Protocol (CHAP)
Microsoft CHAP Version 2 (	MS-CHAP v2)
Automatically use my W	/indows logon name and if any)

(11) Select Use preshared key for authentication and enter the IPSec Pre-Shared Key you have set for the L2TP/IPSec VPN server on your router. Then click OK.

TP	operties	
🖲 Use pre	eshared key for authentication	
<u>K</u> ey:	1000	
UN Ver	for the Name and Henry attributes of the server	
Veri	ify the Name and Usage attributes of the server	's certificate

(12) Switch to the Security tab, select Layer 2 Tunneling Protocol with IPsec (L2TP/IPSec) and click Advanced settings.

User name:         Password:         Domain:         Save this user name and password for the following users:         @ Me only	Second Connect VPN	I Connection	<b>×</b>
User name:         Password:         Domain:         ☑ Save this user name and password for the following users:         ◎ Me only			
Password: Domain: Save this user name and password for the following users: Me only Me only	<u>U</u> ser name:	-	
Domain:         Image: Save this user name and password for the following users:         Image: Me only         Image: Answer who uses this computer.	Password:		
Save this user name and password for the following users:  Me only  Among who uses this computer.	Do <u>m</u> ain:		
Me o <u>n</u> ly	☑ <u>S</u> ave this us	er name and password for the follo	owing users:
Anyone who uses this computer.	Me only		
	🛞 🔿 <u>A</u> nyone v	who uses this computer	
Connect Cancel Properties Help	Connect	Cancel Properties	<u>H</u> elp

Done! Click Connect to start VPN connection.

### **Advanced Features**

The Deco app offers a list of advanced features to fulfill diverse network needs.

Tip: You can use the search box on the More page to quickly find the features you need.

#### Tap More > Advanced to access advanced features.

Note: Features available on this page are based on the current operation mode of the network.

4:11	!! <b>? </b> ■	16:31	? 5
e More	•	<	Advanced
Q Search for a feature			
🥊 IoT Network	>	Operation Mod	de Wi-Fi Router >
🥱 WPS	>	Internet Backu	< qı
Internet Connection	•	WAN Port	>
n QoS	>	Static Routing	>
Network Optimizatio	on >	IPTV/VLAN	Disabled >
📵 VPN	>	MAC Clone	Disabled >
🔅 Advanced	>	DDNS	Disabled >
Connection Alerts	>	DoH & DoT	Disabled >
🛃 Managers	>		
💂 LED Control	>	LAN IP	>
📬 System	>	DHCP Server	>
		Address Reser	rvation >
Network Security Pa	arental Controls More	_	

### 11:23 .... 🗢 🔳 < **Operation Mode** Wi-Fi Router (Default) In Wi-Fi router mode. Deco connects to the internet devices. NAT and DHCP server are enabled by default. $\bigoplus$ .... 🔅 ..... Access Point Wi-Fi router via an Ethernet cable and extends the wireless coverage of your existing network. Functions like NAT, Parental Controls, QoS, Device Isolation, and Connection Alerts are not supported in this mode. $\bigoplus$ Ш ..... ......

Change the Operation Mode.

#### Enable Auto WAN Port to automatically devide and switch the WAN and LAN ports based on the Ethernet cable connection.



Tip: You can use the search box on the More page to quickly find the features you need.

#### Enable Internet Backup to

connect your Deco to a backup network provided by a hotspot or a SIM card in a 4G/5G Deco when your original network fails to ensure normal internet access.

> 11:09 | 0.5KB/s മ 🖄 311 311 O 🙈 🗔 11:23 11:30 < Internet Backup < < Static Routing +IPTV/VLAN Internet Backup It is recommended to set a fixed WAN port to ISP Profile ensure that wired clients can connect to the Select internet when using the backup network. When IPTV is configured, the selected port of the Deco can only be used to support the IPTV service. Hotspot List Add Tina When there are multiple hotspots, Deco will automatically connect to the best one. Static route is used to predetermine a fixed route for network packets to reach a specific host or Speed Limit Off Set network speed limits to prevent traffic Add Static Route overflow. Access Permission All Clients Allow specific clients to access the internet by hotspot. Other clients will be disconnected when your Deco is using hotspot Wi-Fi. System Routes =  $\cap$

**Create Static Routes to visit** 

the same time.

multiple networks and servers at



IPTV/VLAN

#### Enable MAC Clone if your ISP only allows specific MAC addresses.



*I* Tip: You can use the search box on the More page to quickly find the features you need.

Register a TP-Link DDNS domain name to access your Decos and local resources over the internet.

111:31     Image: Comparison of the second sec
DDNS     DDNS       DDNS (Dynamic DNS) allows you to create a friendly formain name that can be used instead of an IP address o access your local resources in the Deco network over he internet. Learn more.       Service Provider
DDNS (Oynamic DNS) allows you to create a friendly lomain name that can be used instead of an IP address o access your local resources in the Deco network over he internet. Learn more.
DDNS (Dynamic DNS) allows you to create a friendly lomain name that can be used instead of an IP address o access your local resources in the Deco network over he internet. Learn more.
Service Provider
TP-Link
egister Domain Name
Domain Name .tplinkdns.com
four 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 DoH & DoT to send DNS requests in an encrypted and secure way.

11:25

C DoH & DoT

DoH & DoT

DNS Privacy

DNS Mode

DNS Server

dns.google

+ Add DNS Server

DoH/DoT will use the saved DNS servers. When these servers are unavailable, the Primary and Secondary DNS configured in the Internet Modify LAN IP to avoid IP address conflict.

Change DHCP Server settings.

?∎

192.168.68.50

192.168.71.250



Tip: You can use the search box on the More page to quickly find the features you need.

#### Reserve IP addresses for specific devices to recognize and manage them more easily.



Enable Fast Roaming to further reduce roaming delays for your wireless devices.

Fast Roaming

### Enable Beamforming to enhance Wi-Fi signals for clients.



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



*I* Tip: You can use the search box on the More page to quickly find the features you need.

Enable SIP ALG to communicate with SIP (Session Initiation Protocol) servers via NAT. Enable UPNP to allow your local network to dynamically open ports for applications like gaming.



# **Configure Connection Alerts**

You can configure Connection Alerts so you can get alerts when new devices connect to your network or when the devices you care about go online or offline.

Go to More > Connection Alerts to enable notifications of new or known clients.



# **Control the Light on Decos**

You can turn on or off the light on your Decos immediately or at specific period.

Go to More > LED Control to turn on or off the light on your Decos or specify a period during which the light will go off.

4:11		!! ? ■
=	More	
Q Se	arch for a feature	
۲	IoT Network	>
0	WPS	>
۲	Internet Connection	>
₹	QoS	>
١	Network Optimization	>
۲	VPN	>
•	Advanced	>
•	Connection Alerts	>
20	Managers	>
<b>.</b>	LED Control	>
Û	System	>
<b>N</b> etworl	Security Parental Controls	More

# 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. Go to More > System > Update Deco.

More

4:11

Q Search for a feature

IoT Network

Internet Connection

Network Optimization

🛜 WPS

📑 QoS

O VPN

🔅 Advanced

A Managers

LED Control

System

Connection Alerts

=

### 2. Download and install the latest firmware (if any).





### 3. Enable Auto Update to allow your Deco to automatically update to the latest firmware.

16:33	🗢 🖸	16:34		? (
< Update Dec	0	<	Auto Up	date Sav
Auto Update	Enabled >	Auto Up	odate	
<b></b>		Auto updat update to t network pe	e allows your Dee he latest firmwar rformance.	co to automatically e which provides bette
Your Deco Home Wi-F currently up-to-date	i System is e. Enjoy!	Update	Schedule	03:00 - 05:00
Deco Main			01:00 - ( 02:00 - (	03:00 04:00
Location: Living Room			03:00 -	05:00
Firmware Version:			04:00 -	06:00
		If the Deco the time, th next day.	detects anyone i ne update will be	s using the internet at rescheduled for the

### **Reboot Your Deco**

Reboot your Deco at any time when needed.

### 1. Go to More > System > Reboot Deco.



2. Select the Deco you need to reboot and tap Reboot. You will lose your internet connection temporarily during the reboot.

### **Reboot Schedule**

With Reboot Schedule, you can set when and how often the Deco reboots regularly, which may improve the network stability.

### 1. Go to More > System > Reboot Schedule.



### 2. Enable Reboot Schedule and set when and how often to reboot the Deco regularly.

## **Client Identification**

With Client Identification enabled, your client's information will be shared with third-party services for more accurate identification. Your private information will not be saved.

### Go to More > System > Client Identification to enable it.



## **Control Your Deco with Alexa**

Alexa Integration allows you to control your Deco using Amazon's Alexa voice service. You can control and customize your home network by giving simple voice commands to Alexa, such as enabling the Guest Network, turning off your Deco LEDs, and more.

Follow the steps below to use Alexa voice commands to control your Deco network.

Note: This feature is currently available in English (US), English (UK), German and Japanese.

On the homepage, swipe right to open the side menu and tap Link Account > Alexa > TP-Link Router Skill, then follow the app instructions to complete the setup.



# **Enable App Notifications**

You can enable notifications of what you care most.

On the homepage, swipe right to open the side menu and tap App Settings > Notifications to enable notifications.



# Change App Appearance

Deco app now support Dark Mode. You can easily change the appearance preference on the app.

### On the homepage, swipe right to open the side menu and tap App Settings > Appearance. Select the preferred appearance for your app.



# **Change Account Information**

More security methods such as Two-Step Verification and FACE ID are now supported on the Deco app. You can change your account information easily on the app.

On the homepage, swipe right to open the side menu and tap View Account. Then you can check and edit your account settings.

10:38	11:30	11:33	11:33
** B +	< Account	C Login Security	< Face ID
	Account	Two-Step Verification	Face ID
	Email	With Two-Step Verification, you'll need both your password and a verification code when logging in from an unrecognized device.	With Face ID enabled, you can use face recognition to quickly authenticate login. This only takes effect on the current iPhone. To modify the Face ID, go to the system
View Account	Profile Photo		settings of your iPhone.
Deco Owner	Name		
HomeShield •	Change Password		
Subscribed	Login Security		
Link Account	Face ID >		
<ul> <li>Discover •</li> </ul>	Log out		
Support Center			
Dep Settings			
a			
More			

# Add Managers

The Owner creates the Deco network and has full authority to manage the network. The Owner can add one or multiple Managers to help manage the network as permitted.

Add friends and family members to help manage your network. Each manager should have their own TP-Link ID. Note: Managers cannot modify the Owner account, add other accounts, or set manager privileges.

### 1. Go to More > Managers.

2. Tap Add a Manager to add another TP-Link ID account as Manager.

3. Tap 🕄 to set manager privileges.



# **Upgrade Your HomeShield**

HomeShield is a home networking protection kit that covers all security scenarios with its network security, parental controls, QoS, and comprehensive reports. It provides two subscription options, Advanced Parental Controls and Security+.

- Advanced Parental Controls helps you manage your kids' online time and bedtime and regulate the content and apps they have access to, letting them develop healthy digital habits.
- Security+ provides you with comprehensive and professional network security protection to protect your Wi-Fi network and all connected devices from virus attacks.

## Subscribe to HomeShield Service

HomeShield provides two subscription options, Advanced Parental Controls, Security+ and VPN. Subscribe to TP-Link HomeShield for more advanced features.

1. In the homepage, swipe right to open the menu and select HomeShield. 2. In HomeShield Center, select the subscription service as needed and then follow app instructions to subscribe to the service.

