

deco™ 5G | Deco BE65-5G
5G Wi-Fi 7 Mesh Router

Wi-Fi 7

User Guide

5G BE9300 Whole Home Mesh Wi-Fi 7 Router



Contents

About This Guide	1
Appearance	2
Before You Start	3
Set Up Your Deco for 4G/5G Router Mode	4
Set Up Your Deco for Wi-Fi Router Mode	8
Troubleshooting	13
Authentication	16

About This Guide

This guide provides a brief introduction to 5G BE9300 Whole Home Mesh Wi-Fi 7 Router and 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>.

5G Speed Disclaimer

Maximum 5G download and upload speeds depend on external factors such as the local 5G network coverage, data plan, real-time network capacity, client limitations, and environmental factors.

5G Band Disclaimer

Supported 5G frequency bands: n1/n3/n7/n8/n20/n28/n38/n40/n75/n76/n77/n78. Actual supported frequency bands may vary slightly in different regions due to certifications.

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.

Wi-Fi 7 Disclaimer

Use of Wi-Fi 7 (802.11be), Wi-Fi 6 (802.11ax), and features including Multi-Link Operation (MLO), 320 MHz Bandwidth, 4K-QAM, Multi-RUs, OFDMA, and MU-MIMO requires clients to also support the corresponding features.

Seamless Roaming Disclaimer

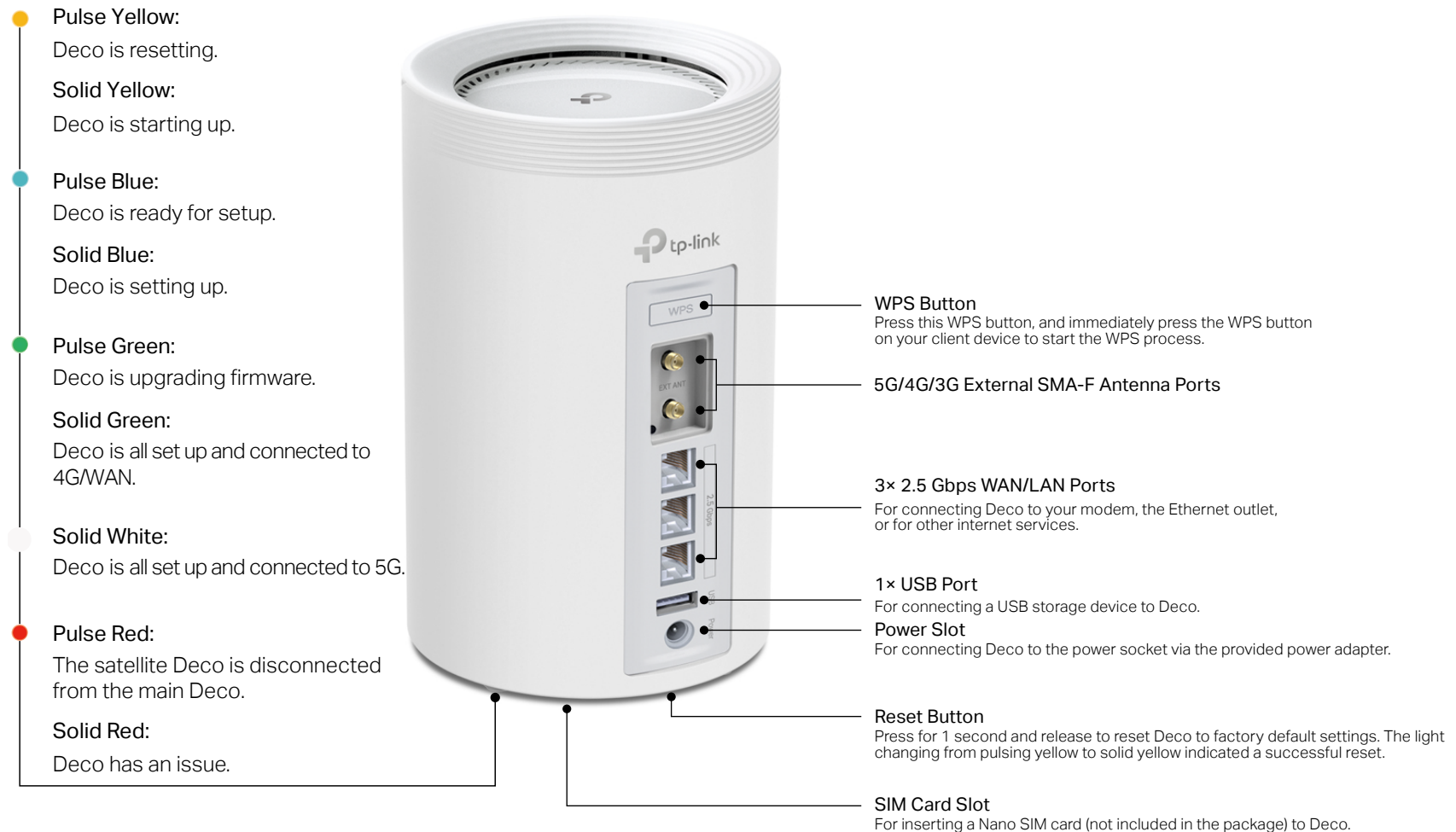
Clients need to support 802.11k/v/r and may require additional set up. Performance may vary depending on the client device.

Appearance

Each Deco has an LED that changes color according to its status, a WPS button, three 2.5 Gbps WAN/LAN ports, two external antennas port, a SIM card slot, a USB 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.



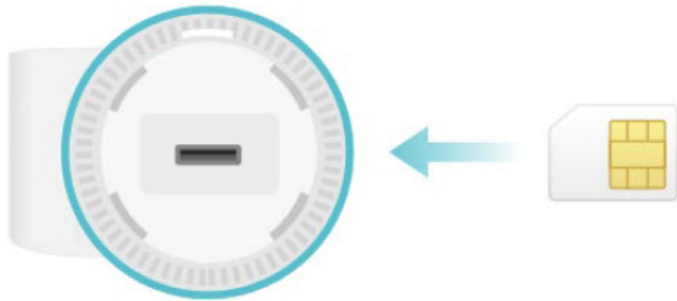
Before You Start

You can set your Deco as a 4G/5G router or a Wi-Fi router to meet the needs of different network scenarios.

4G/5G Router Mode

When working in 4G/5G Router mode, Deco connects to the internet via a SIM card inserted.

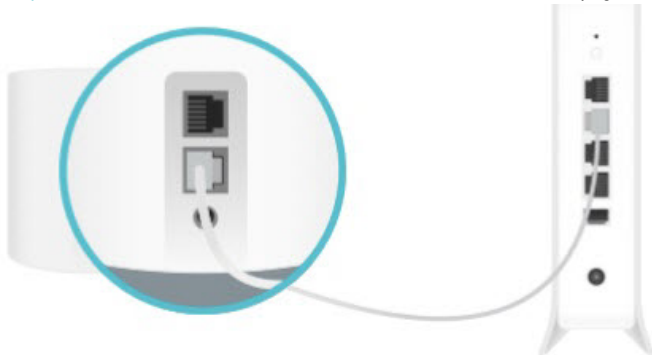
Follow [Set Up Your Deco for 4G/5G Router Mode](#) to set up your Deco.



Wi-Fi Router Mode

When working in Wi-Fi Router mode, Deco connects to the internet via an Ethernet cable. If you already have a modem or your internet comes via an Ethernet cable from the wall, you can set the Deco as a regular Wi-Fi router to share the internet.

Follow [Set Up Your Deco for Wi-Fi Router Mode](#) to set up your Deco.



Set Up Your Deco for 4G/5G Router Mode

When working in 4G/5G Router mode, Deco connects to the internet via a SIM card inserted. The intuitive Deco app guides you through an easy setup process that gets each unit up and all your devices connected and online.

Follow the steps below to set up your Deco for 4G/5G Router mode.

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.



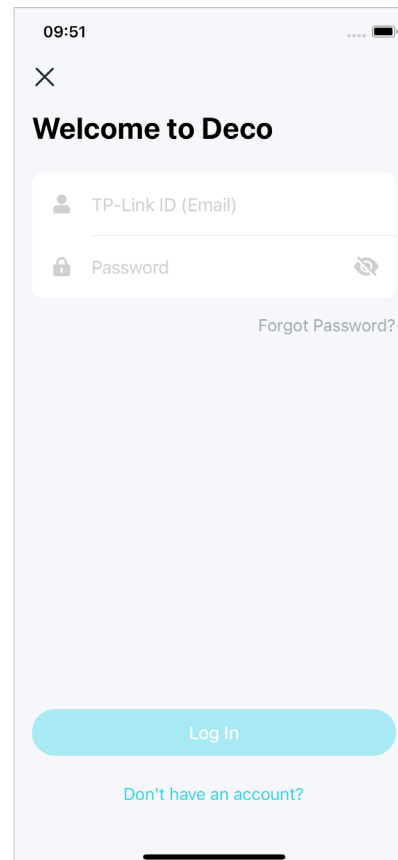
or



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

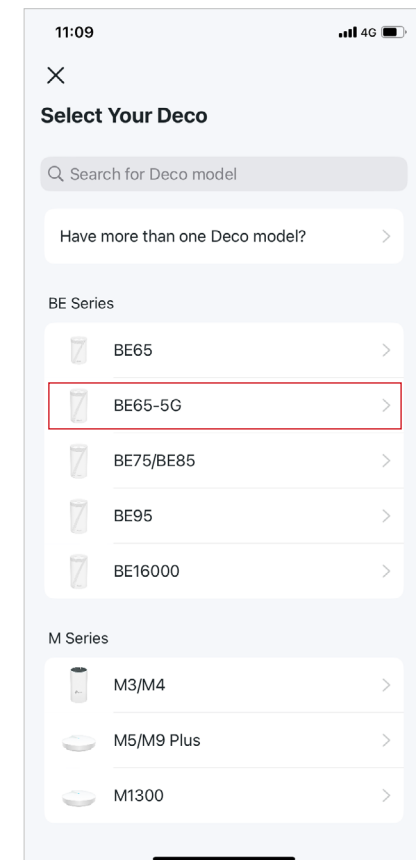
Open the app and log in with your TP-Link ID. If you don't have a TP-Link ID, create one first.

Note: If you forgot your login password, tap [Forgot Password?](#). The app will help you reset your password.



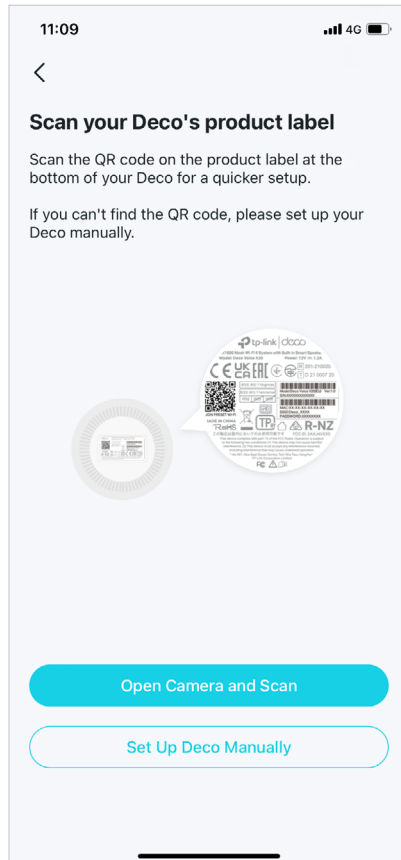
3. Select your Deco model

Search for and select your Deco model. If you have more than one Deco model, tap the question below the search box to check how to maximize the overall network.



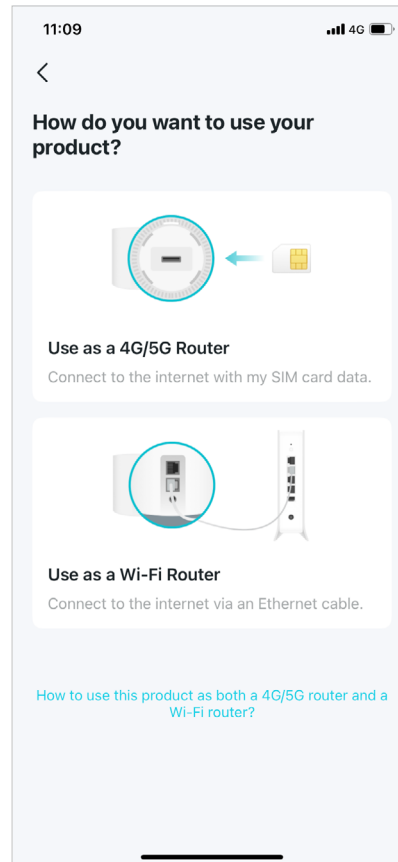
4. Scan QR code or set up manually

Scan the QR code for a quicker setup. You can also set it up manually.



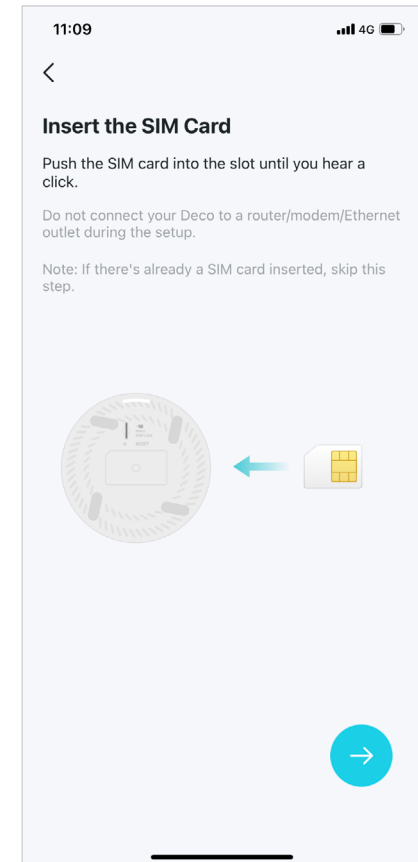
5. Choose an operation mode

Select [Use as a 4G/5G Router](#).



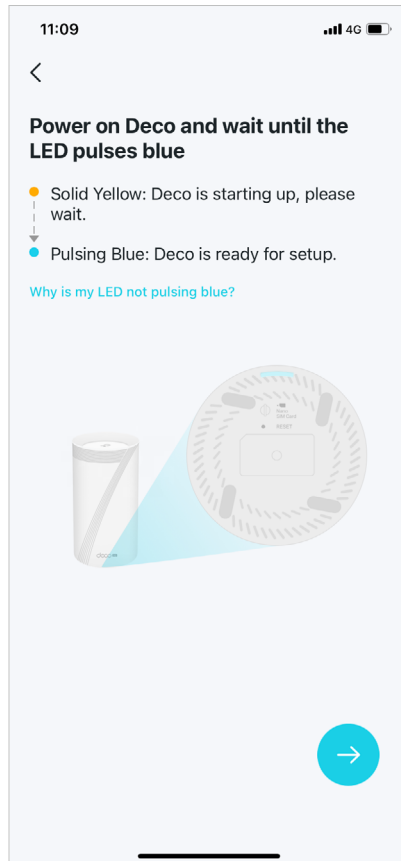
6. Insert the SIM card

Push the SIM card into the slot of Deco.



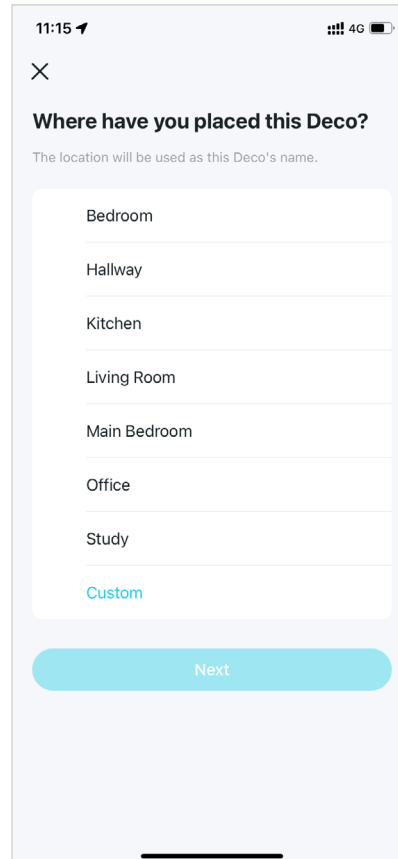
7. Power on Deco

Power on your Deco and wait until the LED pulses blue.



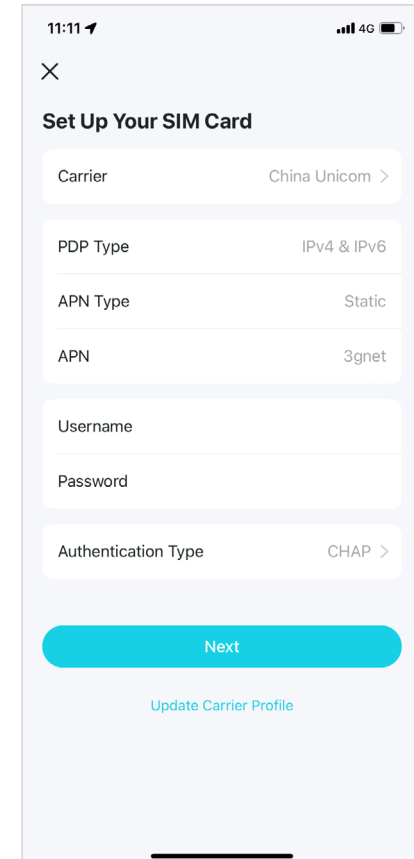
8. Specify your Deco's location

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



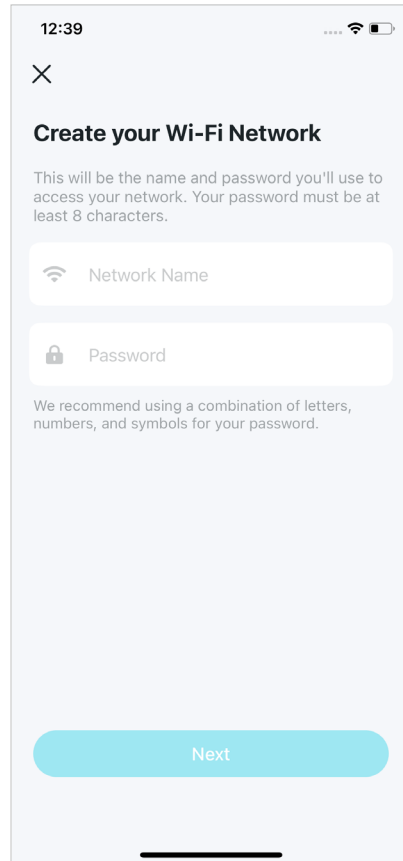
9. Set up your SIM card

Confirm or customize the SIM card information. If you are not sure, contact your ISP.



10. Create your Wi-Fi network

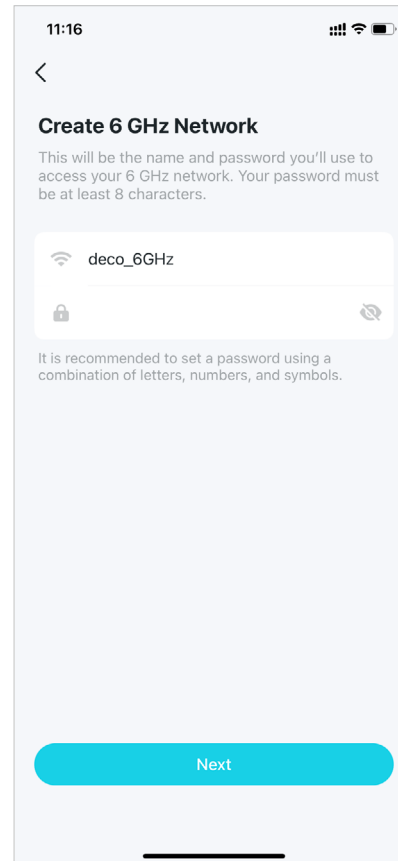
Set a network name and a password. These will be the name and password you use to connect your devices to Wi-Fi.



The screenshot shows a mobile app interface for creating a Wi-Fi network. At the top, the time is 12:39. The screen has a close button (X) in the top left. The title is "Create your Wi-Fi Network". Below the title is a paragraph: "This will be the name and password you'll use to access your network. Your password must be at least 8 characters." There are two input fields: "Network Name" and "Password". Below the "Password" field is a note: "We recommend using a combination of letters, numbers, and symbols for your password." At the bottom, there is a large cyan button labeled "Next".

11. Create 6GHz Wi-Fi Network

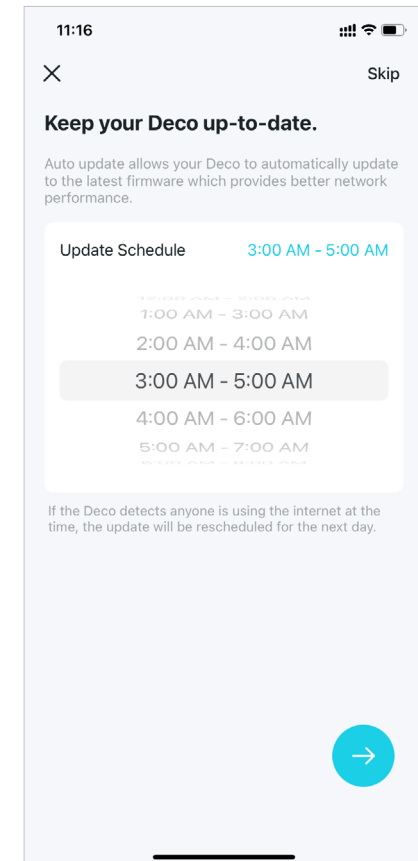
Set a network name and a password. These will be the name and password you use to connect your devices to the 6GHz Wi-Fi.



The screenshot shows a mobile app interface for creating a 6GHz network. At the top, the time is 11:16. The screen has a back arrow in the top left. The title is "Create 6 GHz Network". Below the title is a paragraph: "This will be the name and password you'll use to access your 6 GHz network. Your password must be at least 8 characters." There are two input fields: "deco_6GHz" and a password field with a lock icon and a refresh icon. Below the password field is a note: "It is recommended to set a password using a combination of letters, numbers, and symbols." At the bottom, there is a large cyan button labeled "Next".

12. Keep your Deco up-to-date

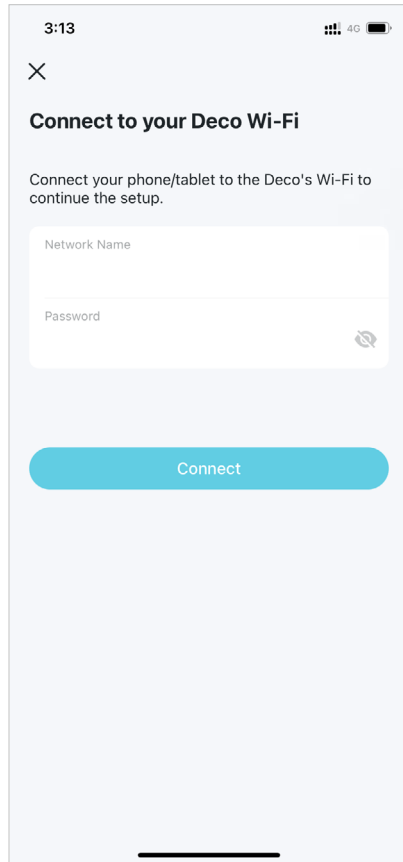
Set auto update time. This allows your Deco to automatically update to the latest firmware which provides better network experience.



The screenshot shows a mobile app interface for setting the auto update time. At the top, the time is 11:16. The screen has a close button (X) in the top left and a "Skip" button in the top right. The title is "Keep your Deco up-to-date." Below the title is a paragraph: "Auto update allows your Deco to automatically update to the latest firmware which provides better network performance." There is a section titled "Update Schedule" with a cyan button labeled "3:00 AM - 5:00 AM". Below this are five radio button options: "1:00 AM - 3:00 AM", "2:00 AM - 4:00 AM", "3:00 AM - 5:00 AM" (which is selected), "4:00 AM - 6:00 AM", and "5:00 AM - 7:00 AM". At the bottom, there is a note: "If the Deco detects anyone is using the internet at the time, the update will be rescheduled for the next day." and a large cyan button with a right arrow.

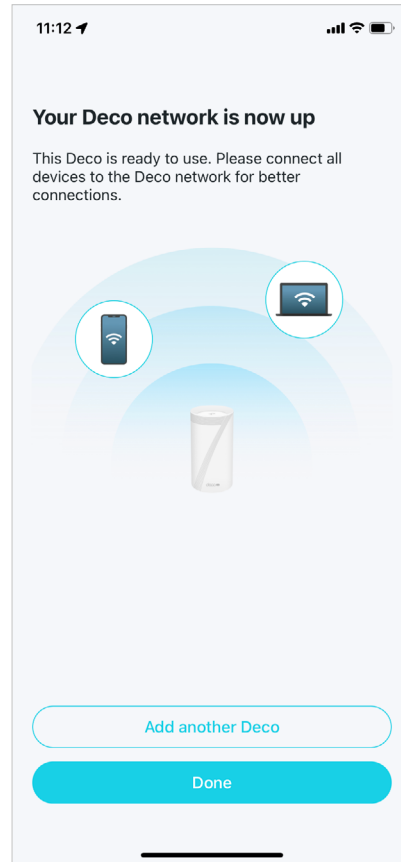
13. Connect to your Wi-Fi network

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



14. Setup complete

Your Deco network is now up. Connect all devices to the network.



Set Up Your Deco for Wi-Fi Router Mode

When working in Wi-Fi Router mode, Deco connects to the internet via an Ethernet cable. If you already have a modem or your internet comes via an Ethernet cable from the wall, you can set the Deco as a regular wireless router to share the internet.

Follow the steps below to set up your Deco for Wi-Fi Router mode.

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.



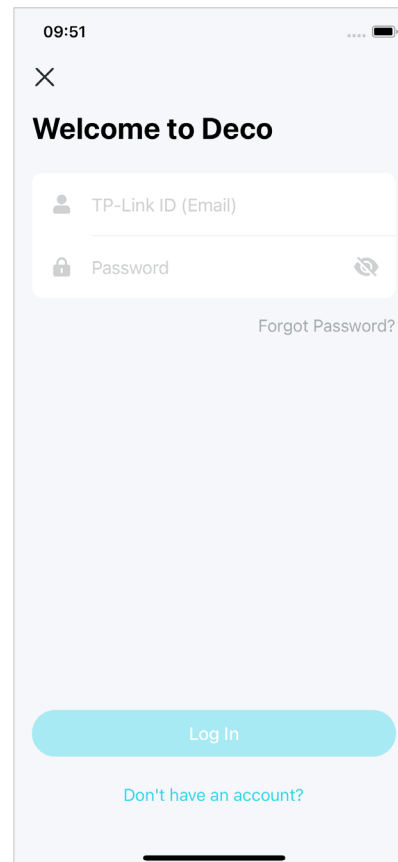
or



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

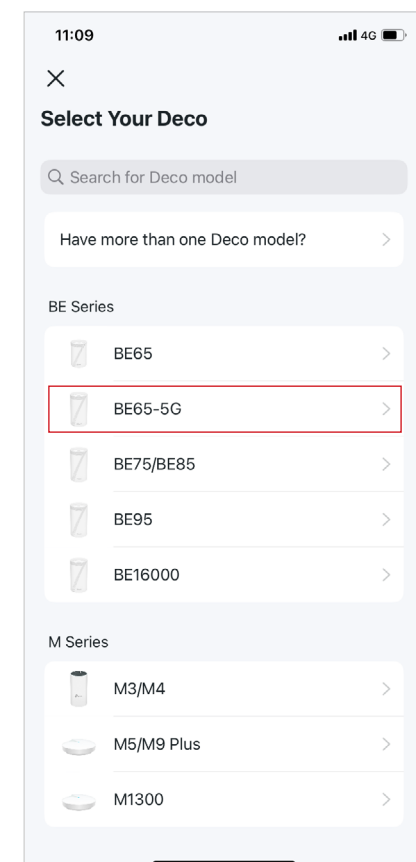
Open the app and log in with your TP-Link ID. If you don't have a TP-Link ID, create one first.

Note: If you forgot your login password, tap [Forgot Password?](#). The app will help you reset your password.



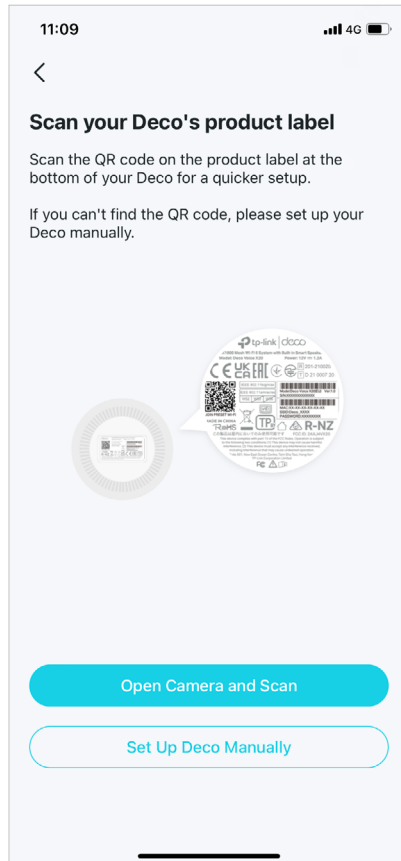
3. Select your Deco model

Search for and select your Deco model. If you have more than one Deco model, tap the question below the search box to check how to maximize the overall network.



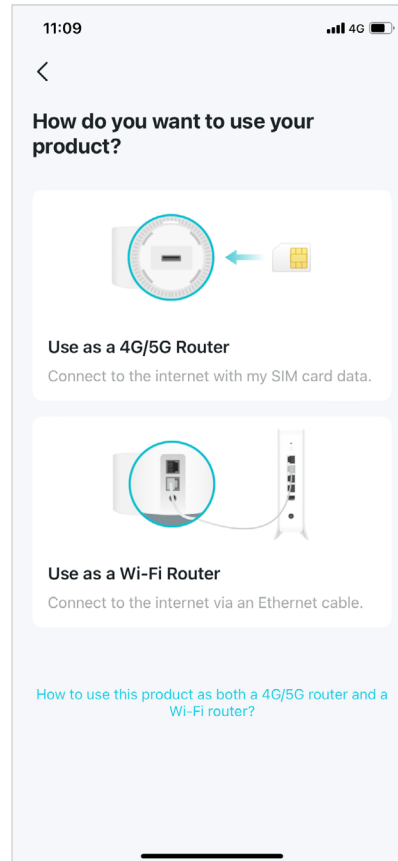
4. Scan QR code or set up manually

Scan the QR code for a quicker setup. You can also set it up manually.



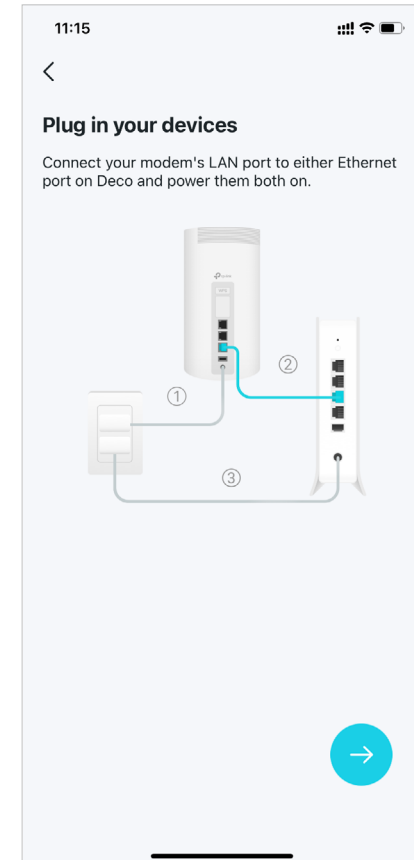
5. Choose an operation mode

Select [Use as a Wi-Fi Router](#).



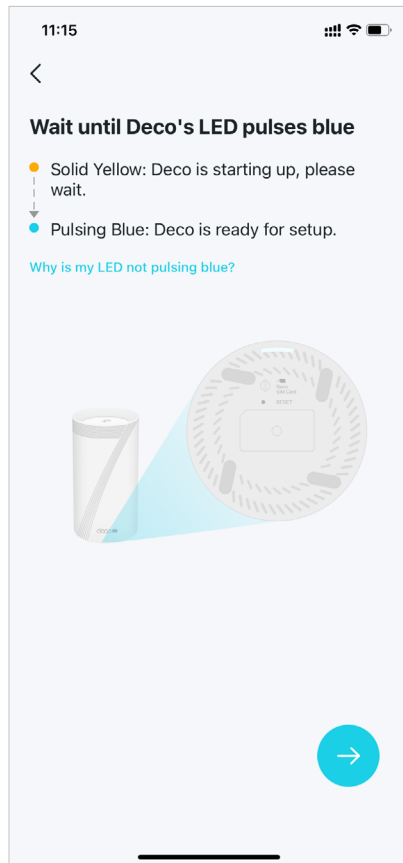
6. Connect to the Deco's Wi-Fi

Connect to the Deco's Wi-Fi using the default SSID printed on the product label.



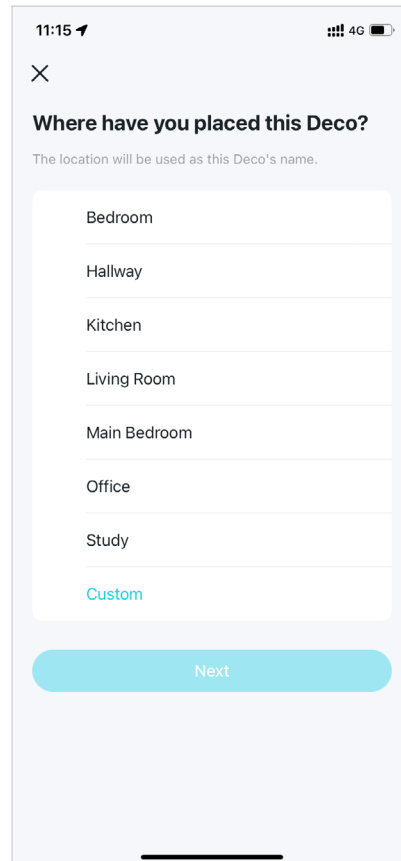
7. Wait until Deco's LED pulses blue

Wait until your Deco's LED pulses blue, then it's ready for setup.



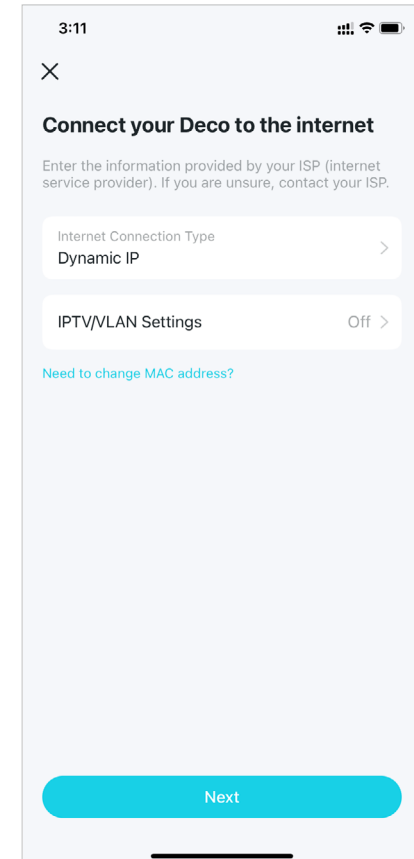
8. Specify your Deco's location

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



9. 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.



10. 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.

The screenshot shows a mobile app interface for creating a Wi-Fi network. At the top, the time is 12:39. The screen has a close button (X) in the top left. The title is "Create your Wi-Fi Network". Below the title, there is explanatory text: "This will be the name and password you'll use to access your network. Your password must be at least 8 characters." There are two input fields: "Network Name" and "Password". Below the "Password" field, there is a recommendation: "We recommend using a combination of letters, numbers, and symbols for your password." At the bottom, there is a large cyan button labeled "Next".

11. Create 6GHz Wi-Fi Network

Set a network name and a password. These will be the name and password you use to connect your devices to the 6GHz Wi-Fi.

The screenshot shows a mobile app interface for creating a 6GHz network. At the top, the time is 11:16. The screen has a back arrow in the top left. The title is "Create 6 GHz Network". Below the title, there is explanatory text: "This will be the name and password you'll use to access your 6 GHz network. Your password must be at least 8 characters." There are two input fields: "deco_6GHz" and a password field with a lock icon and a refresh icon. Below the password field, there is a recommendation: "It is recommended to set a password using a combination of letters, numbers, and symbols." At the bottom, there is a large cyan button labeled "Next".

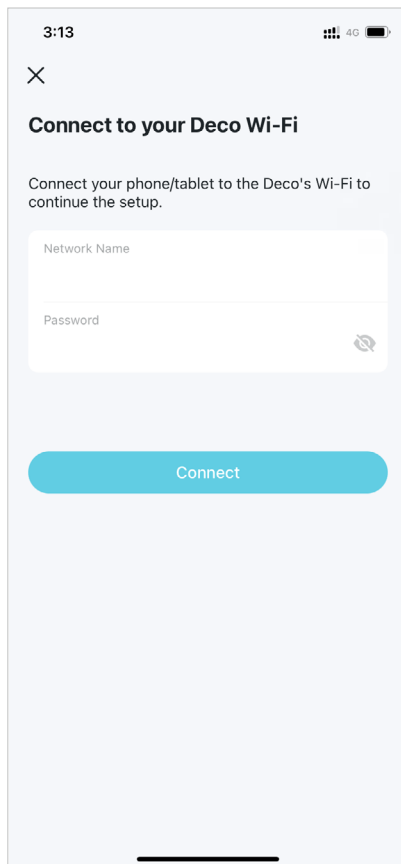
12. Keep your Deco up-to-date

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

The screenshot shows a mobile app interface for setting the auto update time. At the top, the time is 11:16. The screen has a close button (X) in the top left and a "Skip" button in the top right. The title is "Keep your Deco up-to-date." Below the title, there is explanatory text: "Auto update allows your Deco to automatically update to the latest firmware which provides better network performance." There is a section for "Update Schedule" with a cyan button labeled "3:00 AM - 5:00 AM". Below this, there are five radio button options for different time slots: "1:00 AM - 3:00 AM", "2:00 AM - 4:00 AM", "3:00 AM - 5:00 AM" (which is selected), "4:00 AM - 6:00 AM", and "5:00 AM - 7:00 AM". At the bottom, there is a note: "If the Deco detects anyone is using the internet at the time, the update will be rescheduled for the next day." At the bottom right, there is a cyan button with a right arrow.

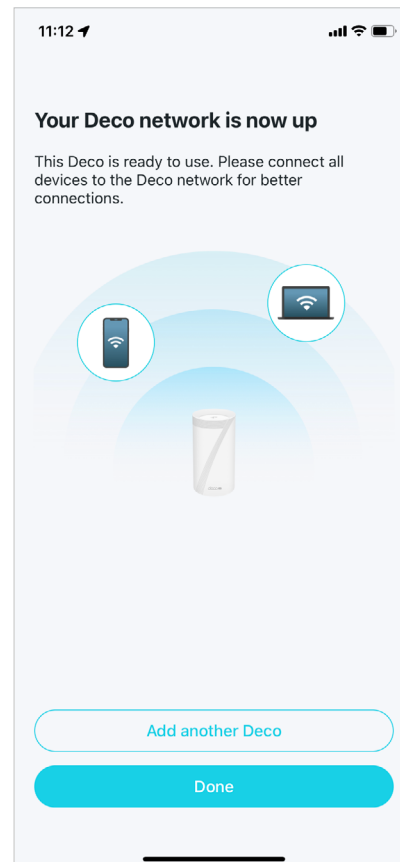
13. Connect to your Wi-Fi network

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



14. Setup complete

Your Deco network is now up. You can connect your devices to the Deco network. Plug in the other included Decos, and they will automatically join the network within 2 minutes.



Troubleshooting

Solutions to common problems during setup or use are provided here for reference. Follow the steps and the provided link below to diagnose and solve problems you might experience with your Deco.

If problems still exist, contact us: <https://www.tp-link.com/support>

Q1. What should I do if I fail to connect to the internet over the mobile connection?

- Verify that your SIM card is an NR or LTE card.
- Make sure that the nano SIM card is inserted correctly into Deco and the Deco is operating in 4G/5G Router mode.
- Check with your ISP to ensure that your SIM card is in your ISP's service area.
- Check with your ISP to ensure that your 4G/5G mobile plan is available.
- Move your Deco to a different location such as closer to the window or door to see whether it gets better signal strength.
- Launch the Deco app, go to [More > Data Settings](#) to verify if the [Total/Monthly Used](#) exceeds the [Total/Monthly Data Usage Limit](#). If it does, set Total/Monthly Data Usage Limit to [0\(zero\)](#), or disable [Total/Monthly Data Usage Limit](#).
- Launch the Deco app, go to [More > Internet](#) to verify [Mobile Data](#) is enabled.
- Confirm with your ISP if you are in a roaming service area. If you are, go to [Advanced > Internet](#) in the Deco app to verify [Data Roaming](#) is enabled.

Q2. What should I do if I fail to configure the satellite Deco and get stuck on "We couldn't find another Deco"?

- For Deco which is operating in 4G/5G Router mode and set as the main Deco, disconnect the Ethernet cable (if any) connected to the front-end router with DHCP Server function from the Deco's Ethernet port and try again. If it doesn't work, try the following guide.
- Refer to the guide <https://www.tp-link.com/support/faq/1447/> or video <https://youtu.be/iVgDzoo16T4>

Q3. What should I do if I fail to configure the main Deco and get stuck on "Testing Internet Connection"?

- Refer to the video <https://youtu.be/OSUrGdWH-i0>

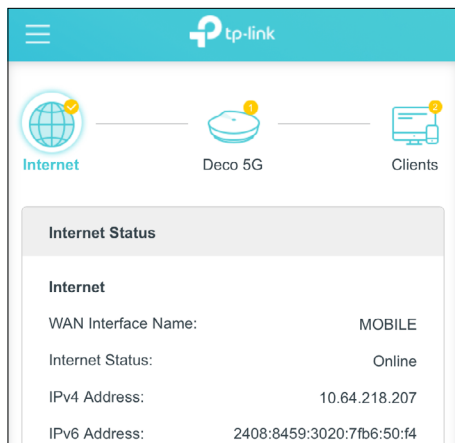
- Follow [Q5](#) and try again.

Q4. What should I do if my wireless devices cannot connect to Deco?

Refer to <https://www.tp-link.com/support/faq/2718/>

Q5. What should I do if Deco suddenly lost internet access?

- For Deco which is operating in 4G/5G Router mode and set as the main Deco, disconnect the Ethernet cable (if any) connected to the front-end router with DHCP Server function from the Deco's Ethernet port and try again. If it doesn't work, try the following guide.
- Open a web browser and visit <http://tplinkdeco.net> or the LAN IP address shown on the Deco app in the address bar. Log in with your TP-Link ID. Tap [Internet](#) and check the [Internet IP Address](#).



If the Internet IP address is [not 0.0.0.0](#), try the following methods:

- 1) Make sure that the SIM card is working stably when it's inserted in your phone at the same place or confirm with your ISP that the SIM is working properly.
- 2) Launch the Deco app and go to [More](#) > [Advanced](#) > [DHCP Server](#), change the Primary DNS to [8.8.8.8](#), and change the Secondary DNS to [8.8.4.4](#).

If the Internet IP address is [0.0.0.0](#), try the following methods:

- 1) Check with your ISP to make sure that your SIM card supports the network type which your Deco supports. Also, make sure the SIM card works

properly when it's inserted to your phone.

- 2) Contact your ISP to get the PIN Code of your SIM card , then go to [More](#) > [Advanced](#) > [PIN Management](#) > [PIN Code](#) on the Deco app to fill it in.
- 3) Launch the Deco app, go to [More](#) > [Advanced](#) > [Internet](#) > [Mobile ISP](#) to create a new profile. Contact your ISP for the necessary information.

Q6. How can I find a suitable spot for my Deco?

Refer to <https://www.tp-link.com//support/faq/1446/>

Q7. What can I do if the Deco app isn't working properly?

Refer to <https://www.tp-link.com/support/faq/1456/>

Authentication

CE Mark Warning



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

OPERATING FREQUENCY(the maximum transmitted power)

2400MHz~2483.5MHz/ 20dBm

5150MHz~5250MHz (Indoor use only) / 23dBm

5250MHz~5350MHz (Indoor use only) / 23dBm

5470MHz~5725MHz / 30dBm

6105MHz~6425MHz (Indoor use only) / 23dBm

WCDMA Band 1,8 / Power Class 3

LTE Band 1,3,7,8,20,28,40 / Power Class 3

LTE Band 38,42,43/ Power Class 2 & Power Class 3

LTE Band 32

5G N1,3,7,8,20,28,40 / Power Class 3

5G N38,77,78 / Power Class 2 & Power Class 3

5G N75,76

Frequency band 5150 - 5250 MHz:

Indoor use: Inside buildings only. Installations and use inside road vehicles and train carriages are not permitted. Limited outdoor use: If used outdoors, equipment shall not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure or a fixed outdoor antenna. Use by unmanned aircraft systems (UAS) is limited to within the 5170 - 5250 MHz band.

Frequency band: 5250 - 5350 MHz:

Indoor use: Inside buildings only. Installations and use in road vehicles, trains and aircraft are not permitted. Outdoor use is not permitted.

Frequency band: 5470 - 5725 MHz:

Installations and use in road vehicles, trains and aircraft and use for unmanned aircrafts systems (UAS) are not permitted.

Frequency band: 6105 - 6425 MHz:

Restricted to indoor use, including in trains with metal-coated windows and aircraft.

Outdoor use, including in road vehicles, is not permitted.

EU Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011 /65/EU, (EU) 2015/863, and EC Decision (EU) 2021/1067.

The original EU Declaration of Conformity may be found at <https://www.tp-link.com/en/support/ce/>

RF Exposure Information

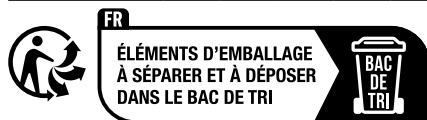
This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 35 cm from your body.

National restrictions

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

	AT	BE	BG	CH	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL
	NO	PL	PT	RO	SE	SI	SK	UK(NI)



UKCA Mark



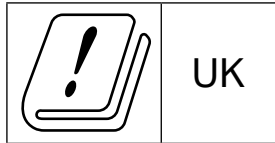
UK Declaration of Conformity

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

The original UK Declaration of Conformity may be found at <https://www.tp-link.com/support/ukca/>

National restrictions

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



Korea Warning Statements:

당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice & BSMI Notice:

注意!

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

減少電磁波影響，請妥適使用。

安全諮詢及注意事項

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

限用物質含有情況標示聲明書

設備名稱： Equipment name:		型號（型式）： Type designation (Type)				
5G BE9300 Whole Home Mesh Wi-Fi 7 Router		Deco BE65-5G				
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
電源供應器	—	○	○	○	○	○
其他及其配件	—	○	○	○	○	○

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

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

備考2. “○” 系指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. “—” 系指該項限用物質為排除項目。

Note 3: The “—” indicates that the restricted substance corresponds to the exemption.



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



Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Do not use the device where wireless devices are not allowed.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.
- Operating Temperature: 0°C~40°C (32°F~104°F)









- This product uses radios and other components that emit electromagnetic fields. Electromagnetic fields and magnets may interfere with pacemakers and other implanted medical devices. Always keep the product and its power adapter more than 15 cm (6 inches) away from any pacemakers or other implanted medical devices. If you suspect your product is interfering with your pacemaker or any other implanted medical device, turn off your product and consult your physician for information specific to your medical device.













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




Explanation of the symbols on the product label

Symbols may vary from products.

Note: The product label can be found at the bottom of the product and its I.T.E. power supply.

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	Alternating current
	DC voltage
	Polarity of output terminals
	Indoor use only
	Dangerous voltage
	Caution, risk of electric shock

Symbol	Explanation
	Energy efficiency Marking
	Protective earth
	Earth
	Frame or chassis
	Functional earthing
	Caution, hot surface
	Caution
	Operator's manual
	Stand-by
	"ON"/"OFF" (push-push)
	Fuse
	Fuse is used in neutral N

Symbol	Explanation
	<p>RECYCLING</p> <p>This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.</p> <p>User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.</p>
	<p>Caution, avoid listening at high volume levels for long periods</p>
	<p>Disconnection, all power plugs</p>
<p>m</p>	<p>Switch of mini-gap construction</p>
<p>μ</p>	<p>Switch of micro-gap construction (for US version) Switch of micro-gap / micro-disconnection construction (for other versions except US)</p>
<p>ε</p>	<p>Switch without contact gap (Semiconductor switching device)</p>