



# User Manual

## Robot Vacuum

\*Images may differ from actual products.

©2023 TP-Link 1910013418 REV1.0.0

# IMPORTANT SAFETY INSTRUCTIONS

## READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

WARNING – To reduce the risk of fire, electric shock, or injury:

- Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
- Do not use outdoors or on wet surfaces.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not handle plug or appliance with wet hands.
- Use extra care when cleaning on stairs.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Do not charge the battery at ambient temperature below 39°F (4°C) or above 104 °F (40°C). Also keeping the temperature range of between 39-104°F when storing unit or during use.
- To reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Turn off all controls before unplugging.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bag and/or filters in place.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

- Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the appliance except as indicated in the instructions for use and care.
- Place the cords from other appliances out of the area to be cleaned.
- Do not operate the vacuum in a room where an infant or child is sleeping.
- Do not operate the vacuum in an area where there are lit candles or fragile objects on the floor to be cleaned.
- Do not operate the vacuum in a room that has lit candles on furniture that the vacuum may accidentally hit or bump into.
- Do not allow children to sit on the vacuum.
- Do not use the vacuum on a wet surface.
- Household use only
- The charging dock must only be supplied at safety extra-low voltage defined in the standard of EN 60335-1 corresponding to the marking on the charging dock.
- This charging dock can only charge lithium batteries and can only charge one battery at a time. The capacity of the battery does not exceed 2600mAh.

## SAVE THESE INSTRUCTIONS

## Safety Information

Keep the device away from water, fire, humidity or hot environments.

This appliance contains batteries that are only replaceable by skilled persons.

Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.

### Warning

Avoid replacement of a battery with an incorrect type that can defeat a safeguard.

Avoid disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

Do not leave a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; Do not leave a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

The instructions shall state the substance of the following:

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

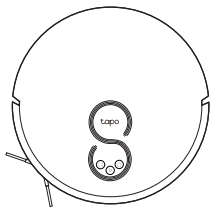
The appliance is only to be used with the power supply unit provided with the appliance.

**WARNING:** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.

The appliance contains a 2600mAh lithium-ion battery.

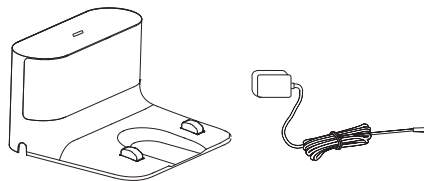
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

# Package Contents

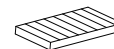


Robot Vacuum\*

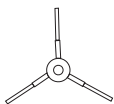
\*One side brush and HEPA filter installed



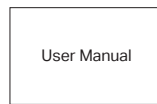
Charging Dock ×1 + Power Adapter ×1



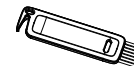
HEPA Filter ×1



Side Brush ×1



User Manual ×1

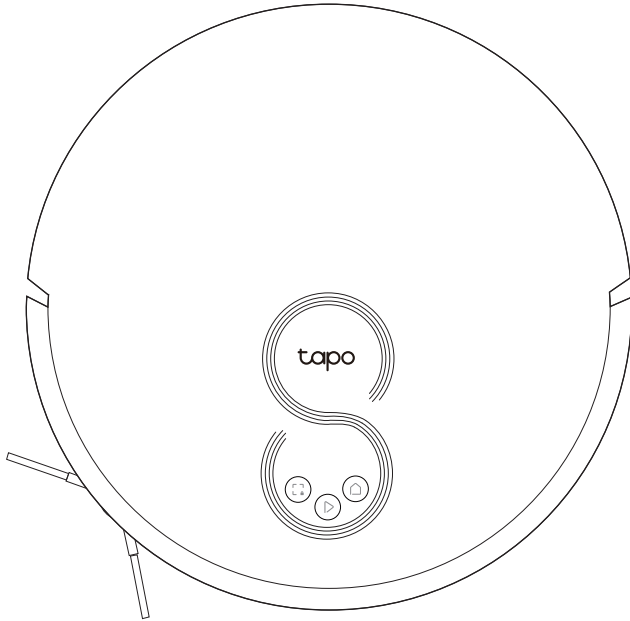


Cleaning Brush ×1

\*Can be found on the dustbin inside

# Overview

## Robot Vacuum



### Power/Clean

- Press once: Start/pause cleaning.
- Press and hold for 5 seconds: Turn on/off the robot vacuum.

\*For the first use, slide the power switch from OFF to ON to turn on.

### Dock

- Return to the dock to charge.

### Spot Cleaning/Child Lock

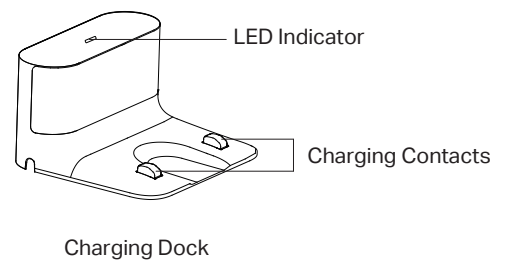
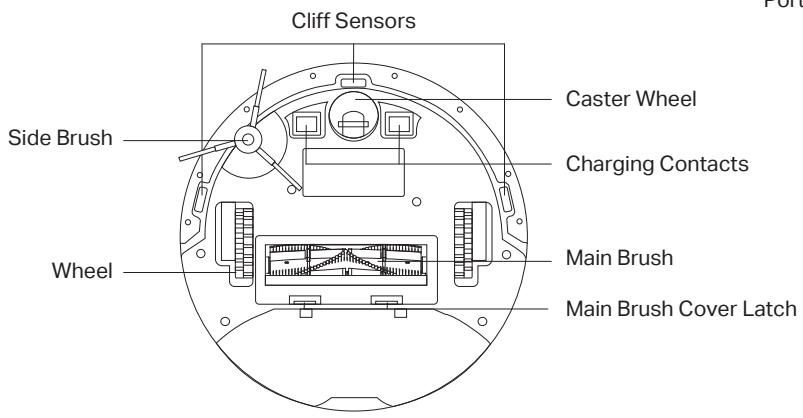
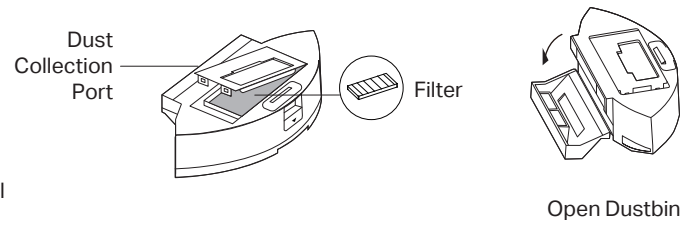
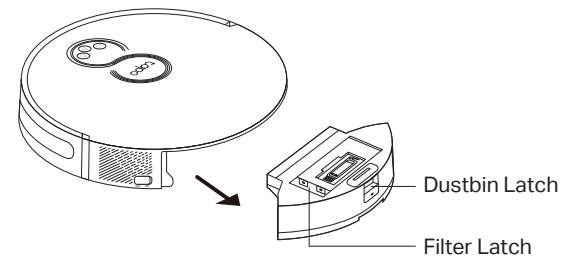
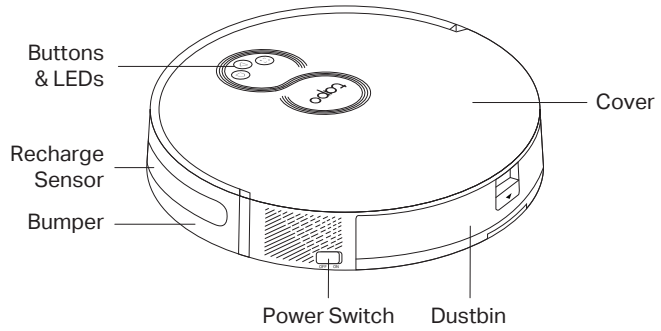
- Press once: Start spot cleaning.
- Press and hold for 5 seconds: Turn on/off the child lock.

### + Combination Button

- Press and hold simultaneously for 5 seconds: Enter setup mode to configure network.
- Press and hold simultaneously for 10 seconds: Restore to factory default settings.

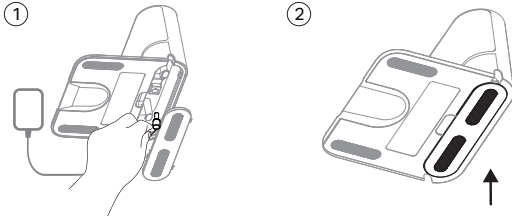
### LED

- Red: Battery level < 20%; Error
- Orange: Battery level between 20% and 80%
- Green: Battery level > 80%

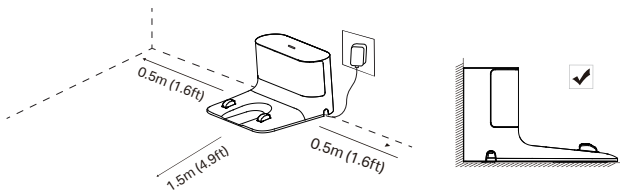


## 1 Position the Dock

1. Remove the bottom cover of the dock, connect the power cord to the dock, and then replace the cover.



2. Place the dock on a level surface, flat against a wall, without obstacles within 1.5m (4.9ft) in front and 0.5m (1.6ft) on left and right.

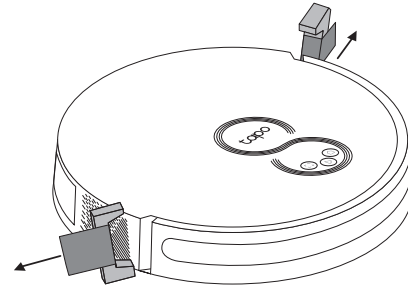


### Notes

- To ensure a better user experience, make sure the area is with good Wi-Fi signals.
- Do not place it in direct sunlight. Ensure the area around the dock is free of clutter to improve docking performance.
- To prevent the risk of your robot vacuum falling downstairs, ensure that the dock is placed at least 1.2m (4 ft) away from stairs.
- Always keep the dock powered on, otherwise the robot vacuum will not automatically return. And do not move the dock frequently.

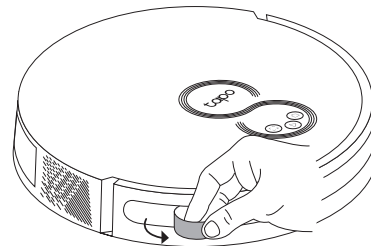
## 2 Remove Protective Strip

Before use, remove the protective strips on both sides of the front bumper.



## 3 Remove Protective Film

Remove the protective film on the front bumper.




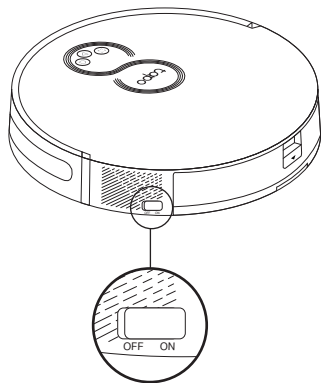



## 4 Power On and Charge

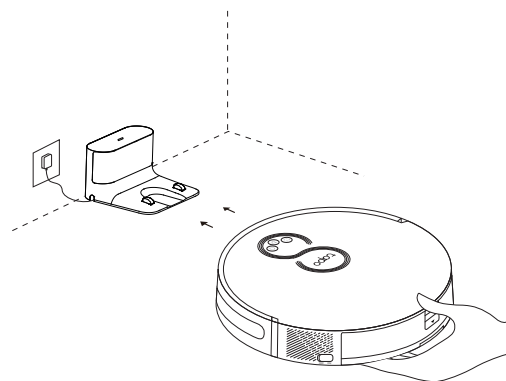
Slide the power switch from OFF to ON to turn on your robot vacuum.

### Notes

- If the power switch is in the ON position, you can also press and hold the  button for 5 seconds to turn on/off your robot vacuum.
- If the power switch is in the OFF position, the robot vacuum will automatically turn on when it is charged on the dock, and turn off when it leaves the charging dock.



Place the robot vacuum on the charging dock or tap  to send it back to the dock to charge. It will return to the dock at the end of a cleaning job and whenever it needs to recharge.



### Notes

- When the LED of the charging dock flashes 3 times and then goes out, the charging will begin.
- We recommend that you charge the robot vacuum fully for about 4 hours prior to starting the first cleaning job.

## 5 Download the Tapo App and Connect to Wi-Fi

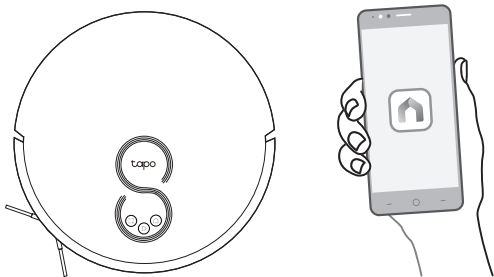
1. Download the Tapo app from the App Store or Google Play, then log in.



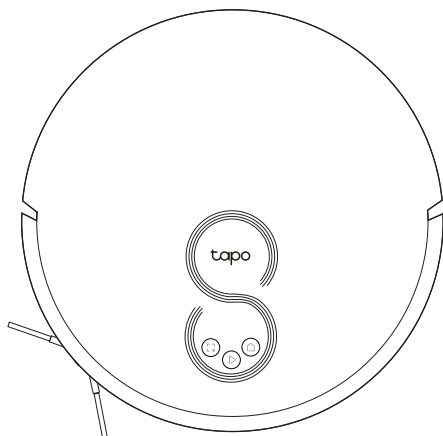
In the Tapo app, you can enjoy the following functions.


- **Cleaning Modes & Preferences**  
Customize vacuum power, cleaning times, and other advanced settings.
- **Scheduled Cleaning**  
Set an automatic cleaning schedule, then the robot vacuum will clean automatically at the set time and return to the dock after cleaning.


2. Open the Tapo app, tap + icon, and select your model. Follow the step-by-step instructions to easily set up your robot vacuum.



## 6 Cleaning



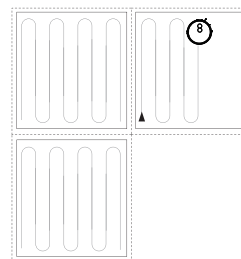
 **Press Once**  
Start/pause cleaning.

 **Press Once**  
Start spot cleaning.

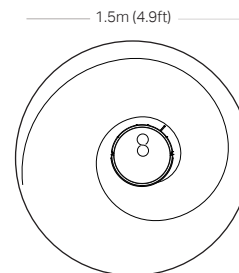
### Notes

- Cleaning cannot start if the battery is too low. Charge your robot vacuum first.
- Pick up obstacles like wires, clothing, and plastic bags. Loose wires and objects may get caught in the robot vacuum, resulting in disconnection or damage to wires and property.
- Put away high pile carpeting before cleaning.
- Do not pick up the robot vacuum during cleaning.
- If the cleaning area is too small, the area may be cleaned twice.
- If the robot vacuum is paused for 10 minutes, it will automatically enter sleep mode and the cleaning job will be canceled.

The robot vacuum will automatically explore and clean your home in neat rows. It will return to the charging station at the end of a cleaning job and whenever it needs to recharge.



In Spot Cleaning mode, it will sweep the circular area with a diameter of 1.5m (4.9ft) calculated from its own position.



## 7 Care and Maintenance

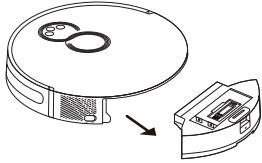
To maintain optimal performance, maintain the robot vacuum according to the following guidelines.

Part	Maintenance Frequency	Replacement Frequency*
Dustbin	Clean/wash as needed	/
Filter	Once a week	3-6 months
Main Brush	Every 2 weeks	6-12 months
Side Brush	Once a month	3-6 months
Caster Wheel	Clean as needed	/
Main Wheels	Once a month	/
Sensors	Once a month	/
Charging Contacts	Once a month	/

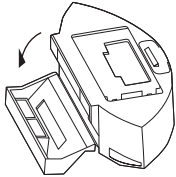
\*Replacement frequency may vary depending on the actual situation. Parts should be replaced if visible wear appears.

# Empty the Bin

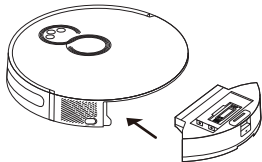
1. Remove the dustbin.



2. Open the dustbin to empty the dustbin.

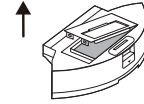


3. Place the dustbin back inside the robot vacuum.



# Clean the Filter

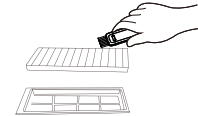
1. Remove the dustbin and open the lid.



2. Remove the filter.

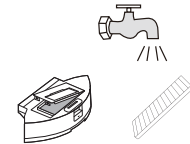


3. Clean the filter with a cleaning brush.

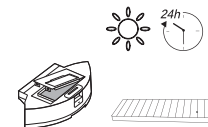


4. Wash the dustbin and filter.

■ Do not wash with hot water or detergents.

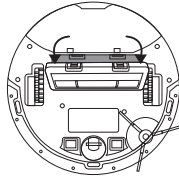


5. Air-dry the dustbin and filter thoroughly, then install the filter in the previous orientation.

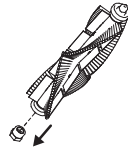


## Clean the Main Brush

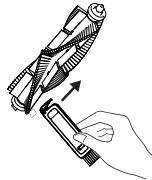
1. Turn the robot vacuum over, then unlatch and remove the main brush cover.



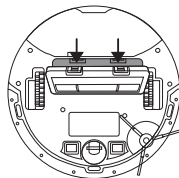
2. Remove the brush and its end cap.



3. Remove any hair or debris with the cleaning brush.

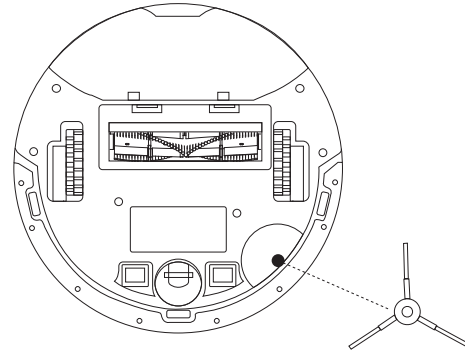


4. Re-install the cap and main brush. Press on the main brush cover to lock it in place.



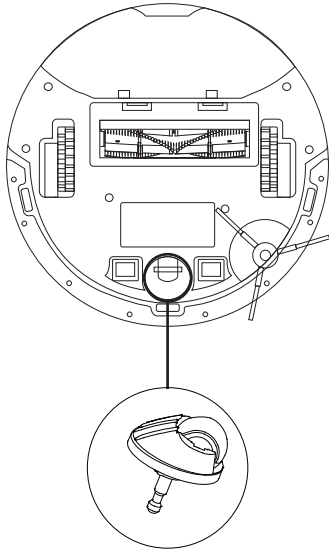
## Clean the Side Brush

1. Pull firmly to remove the side brush and remove any entangled debris. Wipe with a damp cloth if needed.
2. Re-install the side brush and press it tightly to ensure it is installed in place.



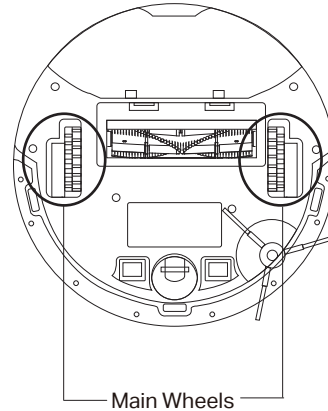
# Clean the Caster Wheel

1. Pull firmly to remove the caster wheel and remove hair or dirt.
2. Re-install the caster wheel and press it firmly in place.



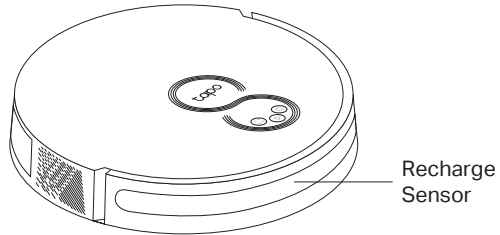
# Clean Main Wheels

Wipe main wheels with a clean, dry cloth.



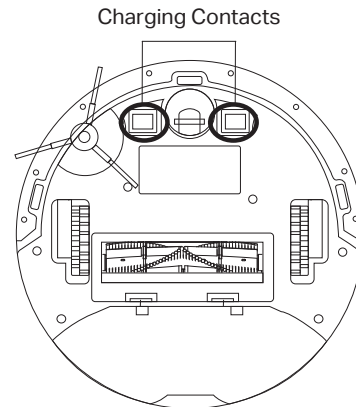
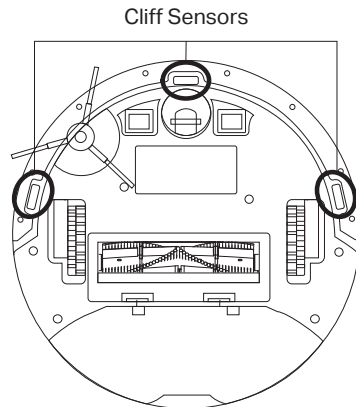
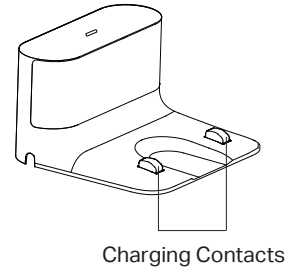
# Clean the Sensors

Wipe the sensors with a clean, dry cloth.



# Clean the Charging Contacts

Wipe charging contacts with a clean, dry cloth.








## 8 Troubleshooting

Issues	Solution
Setup failure	<ol style="list-style-type: none"><li>1. Check if the power switch on the left side of the robot vacuum is toggled to "ON".</li><li>2. The battery level is low. Please place the robot vacuum on the dock to charge and it will start automatically when it is ready.</li><li>3. Check your internet connection or check if you have configured Allow List or Firewall settings on your router.</li></ol>
Charging failure	<ol style="list-style-type: none"><li>1. Please remove the robot vacuum and check whether the indicator light of the dock is on, and make sure that both ends of the power adapter of the dock are plugged in.</li><li>2. Poor contact. Please clean up the spring contacts on the dock and the charging contacts on the robot vacuum.</li></ol>
Recharge failure	<ol style="list-style-type: none"><li>1. There are many obstacles near the dock. Please place the dock in an open area and try again.</li><li>2. The robot vacuum is far from the dock. Please place the robot vacuum near the dock and try again.</li><li>3. Please clean up the spring contacts on the dock and the recharge sensor/charging contacts on the robot vacuum.</li></ol>
Abnormal operation	Shut down and try again.
Abnormal noise during cleaning	There may be foreign matter entangled in the main brush, side brush or wheels. Please clean up after shutdown.
Decreased cleaning ability or dust leakage	<ol style="list-style-type: none"><li>1. The dustbin is full. Please clean the dustbin.</li><li>2. The filter is clogged. Please clean or replace the filter.</li><li>3. The main brush is entangled by foreign matter. Please clean the main brush.</li></ol>

Issues	Solution
Failure to connect to Wi-Fi	<ol style="list-style-type: none"> <li>1. The Wi-Fi signal is poor. Please make sure the robot vacuum is in an area with good Wi-Fi signals.</li> <li>2. Wi-Fi connection is abnormal. Please reset the Wi-Fi and download the latest app and try again.</li> <li>3. The password is entered incorrectly. Please check.</li> <li>4. The robot vacuum only supports the 2.4 GHz frequency band. Please connect to a 2.4 GHz Wi-Fi.</li> </ol>
Scheduled cleaning doesn't work	<ol style="list-style-type: none"> <li>1. The battery level is low. The scheduled cleaning will work when the battery level is above 20%.</li> <li>2. The cleaning is already in progress when the schedule starts.</li> <li>3. Do Not Disturb is set in the app. Make sure the schedule is not within the set Do Not Disturb period.</li> <li>4. There is no internet access for your Wi-Fi network and your robot vacuum has restarted.</li> </ol>
Whether the robot vacuum consumes power when it is placed on the dock	<p>The power consumption is very low when the robot vacuum is placed on the dock, which helps the battery to maintain optimal performance.</p>
Whether the robot vacuum needs to be charged for 16 hours for the first three times	<p>Lithium battery has no memory effect when in use, and there is no need to wait when it is fully charged.</p>

 If the corresponding issues cannot be solved by referring to the above methods, please contact our Technical Support.

# Energy Saving Mode

When the robot vacuum is docked, press and hold the Power button  and the Dock button  for about 15 seconds until you hear an alert sound. It will also enter the Energy Saving mode when it is fully charged.

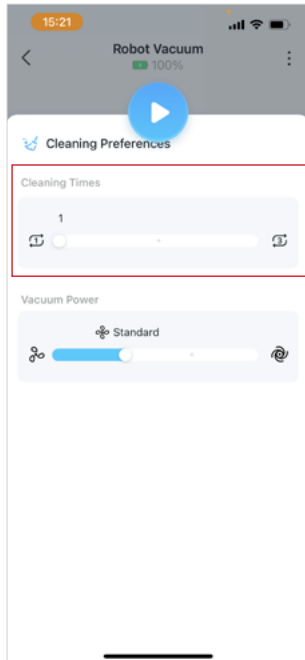
In this mode, only the charging feature will work. Other functions will not work, such as LEDs will be off, sensors will not work, and Wi-Fi will be disconnected.

To exit the Energy Saving mode, press any button on the robot vacuum.

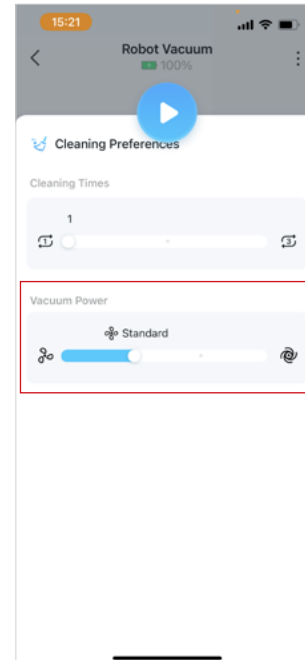
# Customize Cleaning Preferences

Swipe up the panel to set cleaning times and vacuum power as needed.

1. Choose cleaning times from 1 to 3.



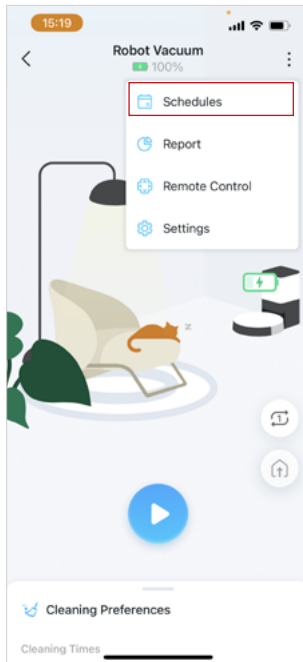
2. Choose vacuum power from Quiet, Standard, Turbo, and Max. The noise might be loud with the max vacuum power.



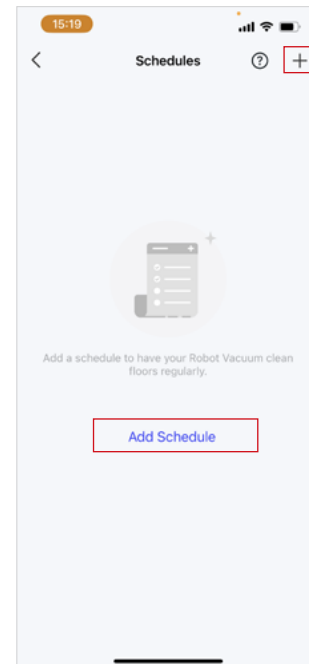
# Schedule Your Robot Vacuum to Clean Regularly

Add cleaning schedules to have your robot vacuum clean floors regularly.

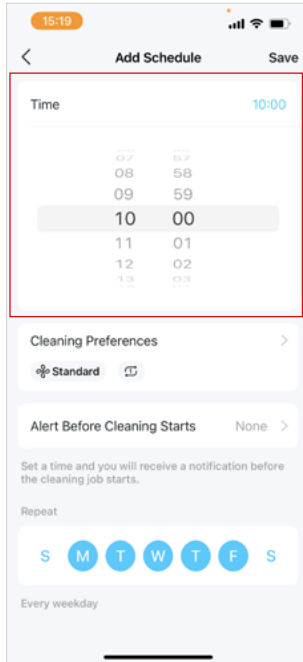
1. Tap the menu icon on the top right corner. Tap "Schedules".



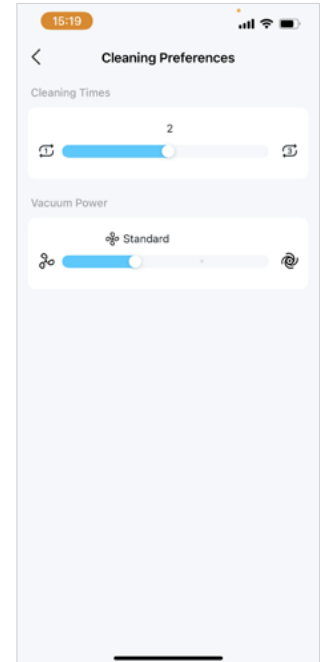
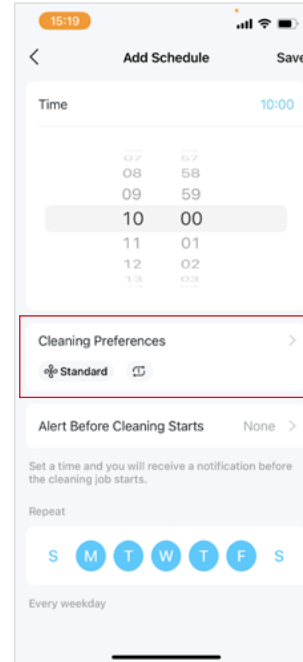
2. Tap the + icon or "Add Schedule".



3. Set the time when your robot vacuum starts cleaning.

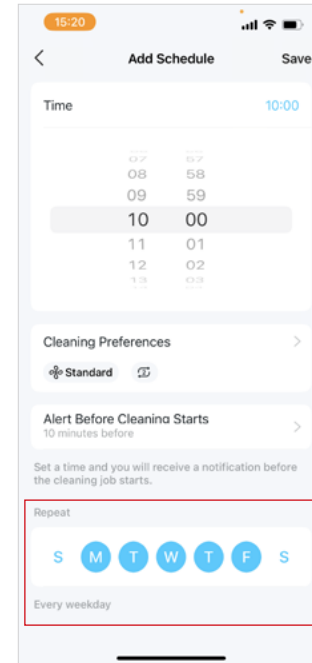
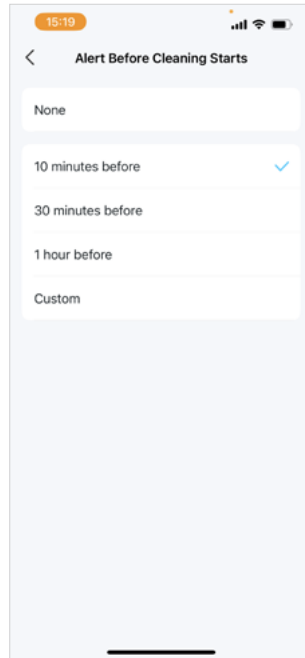
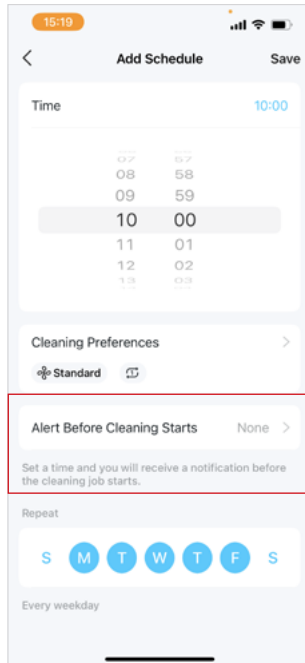


4. Customize the cleaning preferences including cleaning time and vacuum power as needed.

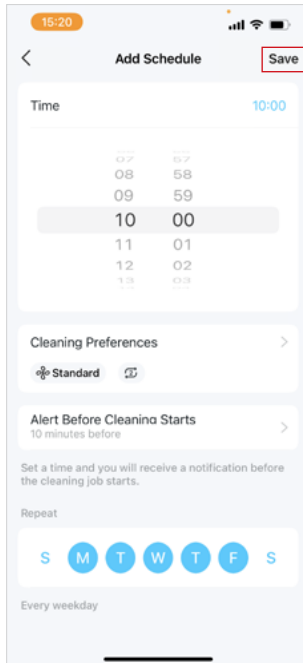


6. If you want to receive a notification before the cleaning job starts, you can set the alert time. And you will be notified before each cleaning job starts, and you can also disable a scheduled cleaning.

7. Choose days you want to repeat the cleaning.



8. Tap "Save" on the top right corner to apply settings.







## **Need some help?**

**Visit [www.tapo.com/support/](http://www.tapo.com/support/)**

for technical support, user guides, FAQs, warranty & more

# Authentication

## FCC Compliance Information Statement



Product Name: Tapo Robot Vacuum

Model Number: Tapo RV10 Lite

Responsible party:

TP-Link USA Corporation

Address: 10 Mauchly, Irvine, CA 92618

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

Tel: +1 626 333 0234

Fax: +1 909 527 6804

E-mail: [sales.usa@tp-link.com](mailto:sales.usa@tp-link.com)

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

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

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

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

## **FCC RF Radiation Exposure Statement**

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

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

We, **TP-Link USA Corporation**, has determined that the equipment shown as above has been shown to comply

with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2023.05.28

## 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:

For EU/UK Region

2400MHz~2483.5MHz / 20dBm (Wi-Fi)

2402~2480MHz / 10dBm (Bluetooth)

### EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011 /65/EU and (EU) 2015/863. The original EU declaration of conformity may be found at <https://www.tapo.com/en/support/ce/>

### RF Exposure Information

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

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

Restricted to indoor use.

### 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.tapo.com/support/ukca/>

## **Canadian Compliance Statement**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

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

## **Radiation Exposure Statement:**

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

## **Déclaration d'exposition aux radiations:**

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

## **Industry Canada Statement**

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

## **Korea Warning Statements:**

당해 무선설비는 운용중 전파혼신 가능성이 있음 .

## **NCC Notice**

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。

# 限用物質含有情況標示聲明書

設備名稱：掃地機器人		型號（型式）：Tapo RV10 Lite				
Equipment name		Type designation (Type)				
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 <sup>6+</sup> )	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
內外殼	○	○	○	○	○	○
電路板	—	○	○	○	○	○
馬達	—	○	○	○	○	○
線材、配件、組裝零件	○	○	○	○	○	○
充電座、電源供應器	—	○	○	○	○	○
<p>備考 1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。</p> <p>Note 1: “○” indicates that the percentage content of the restricted substances does not exceed the percentage of reference value of presences.</p> <p>備考 2. “—” 係指該項限用物質為排除項目。</p> <p>Note 2: The “—” indicates that the restricted substance corresponds to the exemption.</p>						




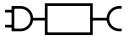




Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.





## Explanation of the symbols on the product label

Symbol	Explanation
	Direct current
	Indoor use only
	Caution
	A specific detachable supply unit is required for connecting the equipment to the supply mains.
	Operator's manual
	<p><b>RECYCLING</b></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>