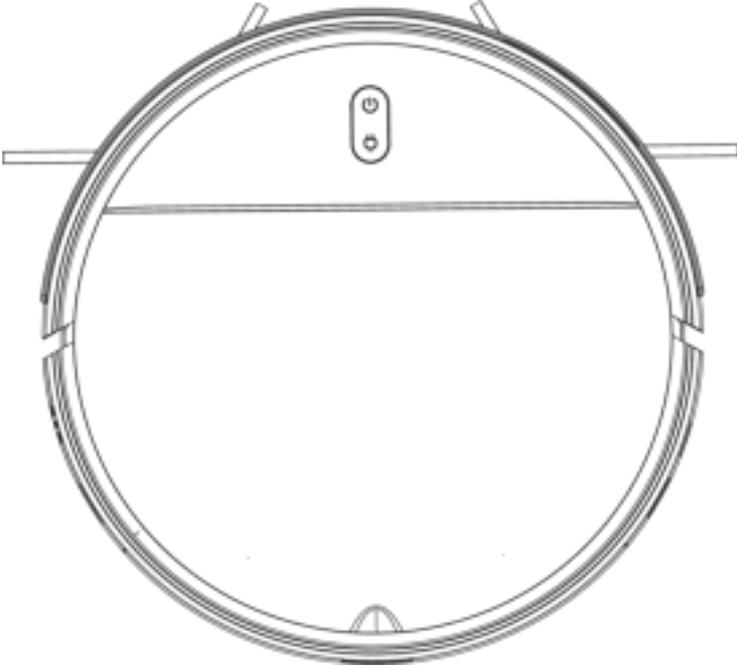


Random Vacuum Cleaner Instructions Manual



Safety Regulations

Before using this product, please read the following safety instructions and follow all routine safety precautions.

Please read the instructions carefully, please keep the instructions.

Any operation inconsistent with this instruction manual may cause damage to this product.

Note:

1. Only authorized technicians can disassemble this product. Users are not recommended to disassemble this product by themselves.
2. This product can only use the power adapter provided by the factory. If other adapters are used, the product may be damaged.
3. Do not touch wires, sockets or body parts to roll into the product drive wheels.
4. Do not use cloth curtains or body parts to roll into the product drive wheels.
5. Do not place this product near cigarette butts, lighters and other smoldering fires.
6. Please clean the product after charging.
7. Do not bend wires excessively or place heavy objects and sharp objects on the machine.
8. This product is an indoor household product. Do not use it outdoors.
9. Do not sit on the product.
10. Do not use this product in wet environment (e.g. bathroom).
11. Before using this product, please remove all vulnerable items (e.g. glasses, lamps, etc.) on the ground as well as items (e.g. glasses, lamps, etc.) on the ground as well as items (e.g. wires, paper sheets, curtains) that may entangle the side brushes and air suction passages.
12. Do not put this product in a place where it is easy to fall (e.g. on desks and chairs).
13. Please carefully check whether the power adapter is connected to the socket before use, otherwise the battery may be damaged.
14. To prevent tripping, please inform others of the house when this product works.
15. Please empty the dust box before using this product when the dust box is full.
16. The temperature used for this product is 0 to 40 degrees Celsius.
17. Do not use this product in high temperature environment.
18. Please remove the battery from the machine before the product is scrapped.
19. Please make sure that this product is not powered on when removing the battery.
20. Please recycle the discarded batteries safely.

Warning:

1. Use only the original rechargeable battery and charging seat specially equipped by the manufacturer. Non-rechargeable batteries are strictly prohibited, please refer to "product parameters" for battery specification information.
2. It is forbidden to use products in environments with open flames or fragile objects.
3. It is forbidden to use products in extremely hot (above 40°C) or extremely cold (below 0°C).
4. It is forbidden for human hair, clothes, fingers and other parts to approach the opening and operating parts of the product.
5. It is forbidden to use products on wet or stagnant ground.
6. It is forbidden for products to absorb any articles such as stones and waste paper that may clog products.
7. It is forbidden for products to absorb any inflammable substances, such as petrol, toner and toner for printers or photocopies. Prohibit the use of products in clean areas with flammable items.
8. It is forbidden for products to absorb any burning articles, such as cigarettes, matches, ashes and other articles that may cause fire.
9. It is forbidden to place articles at the suction opening. Do not use the product when the suction port is blocked. Clean up dust, cotton wool, hair, etc. at the suction opening to ensure smooth air circulation at the suction opening.
10. Use the power cord carefully to avoid damage. It is forbidden to use the power cord to drag or pull the product and the product charging seat. It is forbidden to use the power cord as a handle. It is forbidden to clamp the power cord in the crack of the door. It is forbidden to pull the power cord at sharp corners and corners. It is forbidden for the product to run on the power cord while the power cord should be far away from the heat source.
11. Do not use damaged charging seat.
12. Even if the product has been severely damaged, burning of the product is prohibited, which may lead to explosion of the battery of the product.

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Product Composition / Package Contents



1x Robot Vacuum



1x Charging Dock



2x Battery



1x Remote Control



1x Adapter



1x mopping holder assembly



1x watertank



1x dustbin



1x Cleaning Brush



1x Instruction Manual



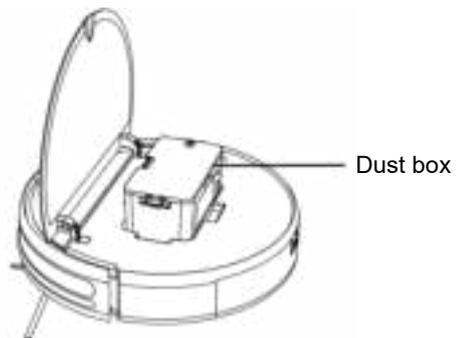
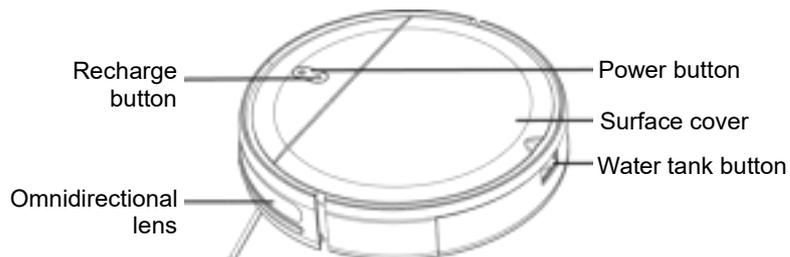
2x Side Brush



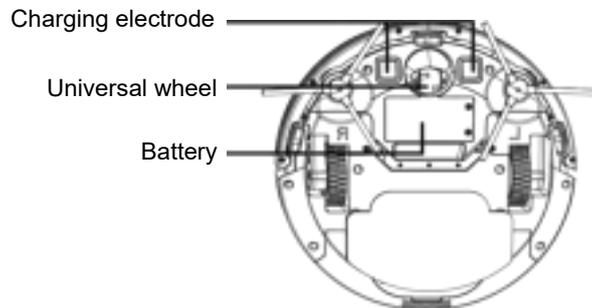
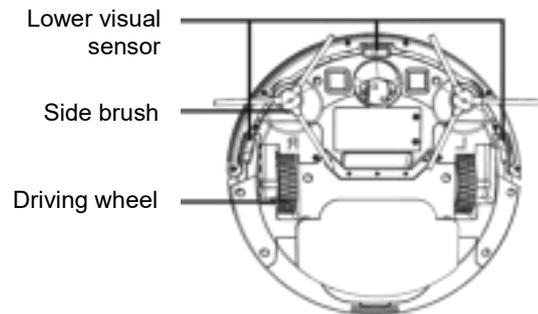
4x Filter Cotton

Product Composition/Parts

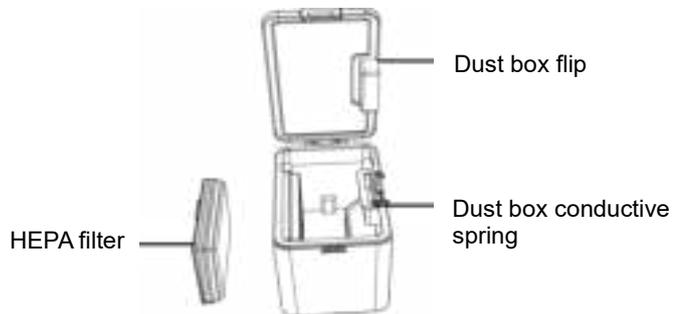
Front of the main unit



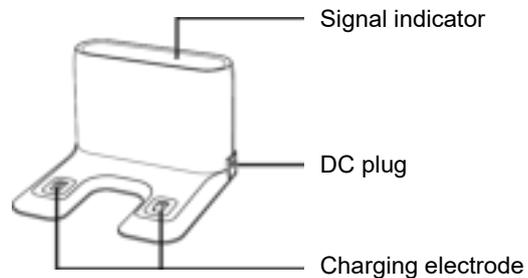
Rear of the main unit



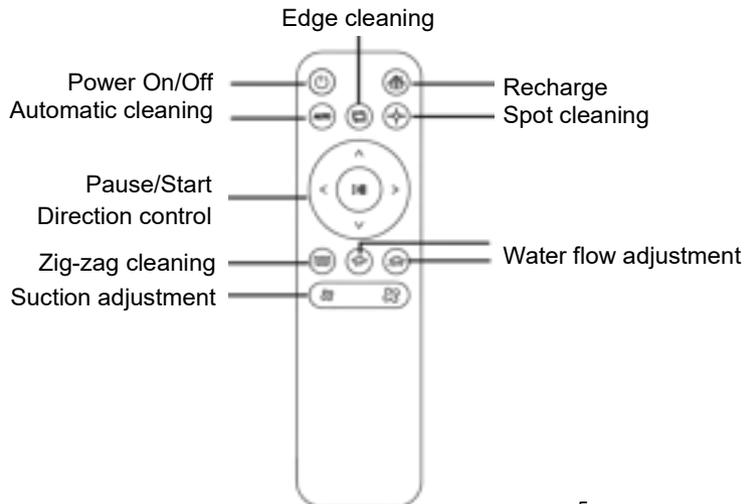
Dust box



Charging pile



Remote control

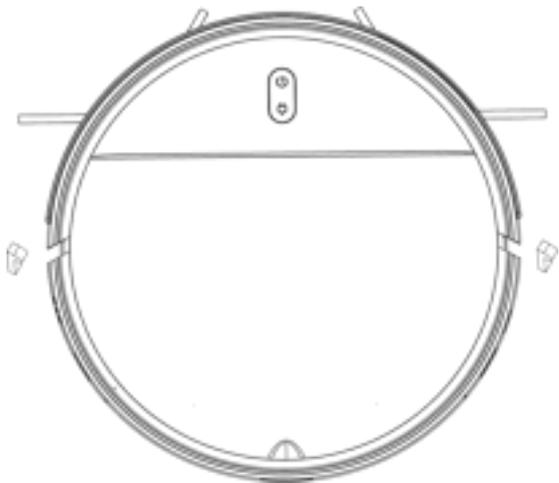


Preparations

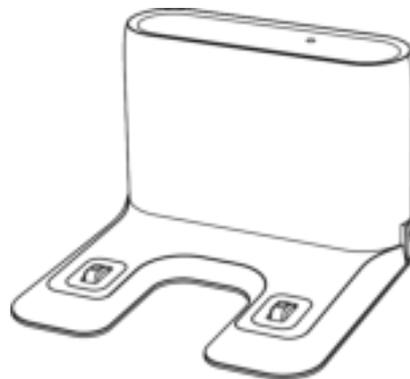
Removing protective strips

Before using the cleaner, remove protective strips from the cleaner.

Removing protective strips



Removing protective film

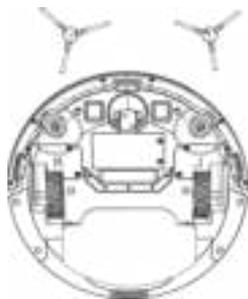


Using the Product - Charging the robot vacuum cleaner

1. Place the charging stand on the flat ground against the wall. Do not place any articles 0.5 m on the left and right of the charging stand or 1.5 m in front of the charging stand.



2. Connect the charging stand to the power supply.
3. Install the left and right side brushes.



4. Charging: Place the main unit on the charging stand to charge the main unit. During charging, the indicator blinks. When charging is complete, the indicator is steady on. It takes about five hours to fully charge the main unit.



During cleaning, the main unit automatically checks its power level. If the power is insufficient, the main unit activates the mode of returning to the charging stand and automatically returns to the charging stand for charging.

Alternatively, you can press the button  on the remote control to instruct the main unit to activate the mode of returning to the charging stand.

 **Caution:**

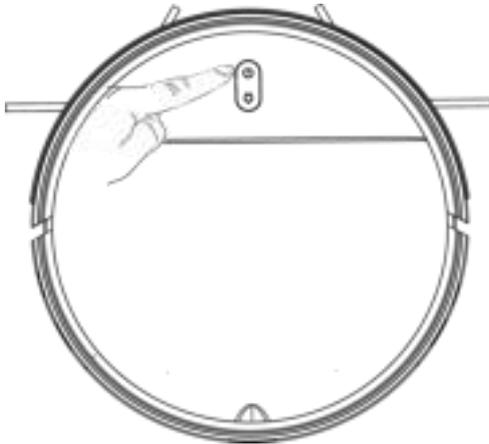
1. Do not use the charging stand in reflective environments such as the environment exposed to direct sunlight and environment with mirrors nearby. If there are reflective objects, cover the charging stand at a height of 7 cm from the bottom.
2. To ensure the normal working duration of the main unit, fully charge the main unit before use. The charging time is about five hours.
3. To ensure the safety of charging and prevent a damp cloth from damaging the floor, remove the water tank before charging the main unit.

Product Usage - Start Cleaning

For different cleaning requirements, this product provides multiple cleaning modes for you to choose. You can use different cleaning modes through the main unit or remote control.

Automatic Cleaning

Setting method: In the power-off state, press and hold the power button. After the indicator of the main unit is on, indicating that the main unit is powered on, press the power button again.



Spot Cleaning

Applicable scenario: The cleaning mode is applicable to the ground environment where rubbish is concentrated. The main unit cleans the ground in a spiral path in the specified area and returns to the original point after cleaning.

Setting method: Press the key  on the remote control to enable fixed-point cleaning.

Edge Cleaning

Applicable scenario: The cleaning mode is applicable to indoor corners. The main unit cleans the ground along edges of fixed objects (for example, wall) and returns to the charging standard after cleaning.

Setting method: Press the key  on the remote control to enable cleaning along the edge.

Manual Control

Applicable scenario: Manual control is applicable to cleaning under manual control.

Setting method: Press the key  on the remote control to control the product in moving forward, moving backward, or making a turn.

Product Usage- Pause, Wake-up and Shutdown

Pause: When the main unit is working, press the power button on the main unit or press the pause key  on the remote control to suspend the main unit.

Wake-up: After the main unit is suspended for more than 10 minutes, the main unit activates the sleep mode (the indicator of the main unit is off). Press the power button on the main unit to wake up the main unit and press the power key on the remote control to restart the main unit.

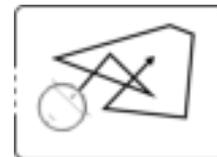
Power-off: After the main unit is suspended, press and hold the power button on the main unit. If indicator of the main unit is off, the product is powered off.

* After the main unit completes operation, you are advised not to shut down the main unit. Keep the main unit in the charging status so that it can work better in the next operation.

Cleaning Mode

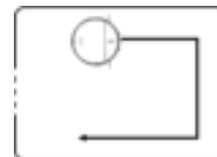
1. Random Cleaning

Robot random cleaning for 90 minutes, after the cleaning finished, it will auto back to recharging.



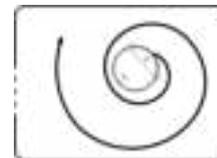
2. Edge Cleaning

Robot proceed edge cleaning with a distance less than 2CM to the wall.



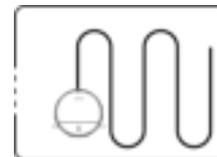
3. Spot Cleaning

Robot firstly clockwise in outer spiral cleaning method by default, after reaching the maximum radius of 0.6 meters, the inner spiral cleaning is performed, and the cleaning ends after returning to the starting position. In this mode, the suction power of the fan is strong by default.



4. Zig-zag Cleaning

Under zig-zag cleaning mode, the longest cleaning distance in straight line is 5 meters.



Product Usage/Wi-Fi connection

1. Download APP/Register

Scan the QR code in below picture or search “Tuya Smart” from APP store and download it. Register it according to the APP operation instruction.

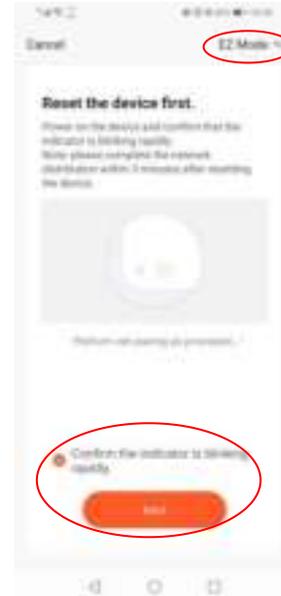
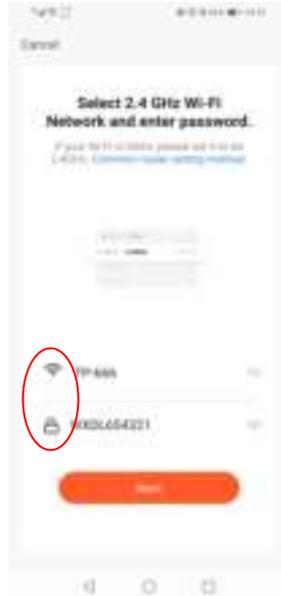
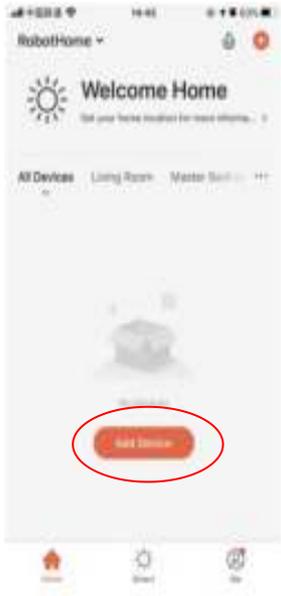


2. Wi-Fi Connection

There are two Wi-Fi connection modes: **EZ mode** and **AP mode**.

(1) EZ mode:

1. Power on the robot, press and hold recharge button for 3 seconds to enter EZ mode, you will hear a beep voice, power light turns yellow and blinks.



2. Log in your Tuya APP and click "Add Device"

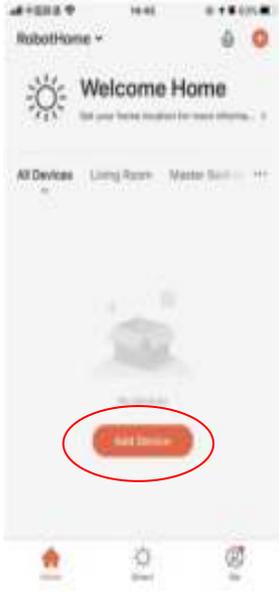
3. Select "Small Home Appliance", then choose "Wi-Fi Robot Vacuum Cleaner"

4. Select 2.4 Ghz Wi-Fi network and enter WI-FI name and password, then click "Next"

5. Select EZ mode, click "confirm the indicator is blinking rapidly" and "Next" to wait for connection result.

(2) AP mode:

1. Power on the robot, press and hold recharge button for 6 seconds to enter AP mode, you will hear beep voice twice, power light turns yellow and blinks.



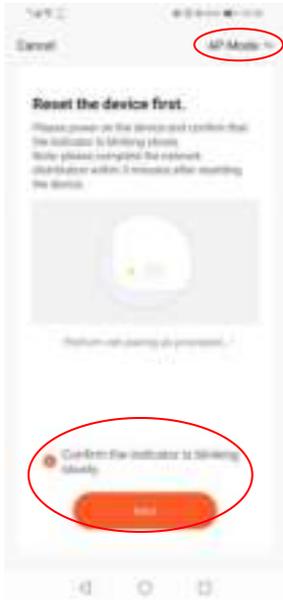
2. Log in your TUYAAPP and click "Add Device"



3. Select "Small Home Appliance", then choose "Wi-Fi Robot Vacuum Cleaner"



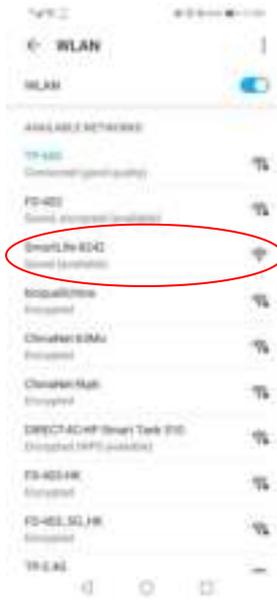
4. Select 2.4 Ghz Wi-Fi network and enter WI-FI name and password, then click "Next"



5. Select AP mode, and click “confirm the indicator is blinking slowly” and “Next”.



6. Go to connect with the hot-spot WI-FI which start with “SmartLife XXX”

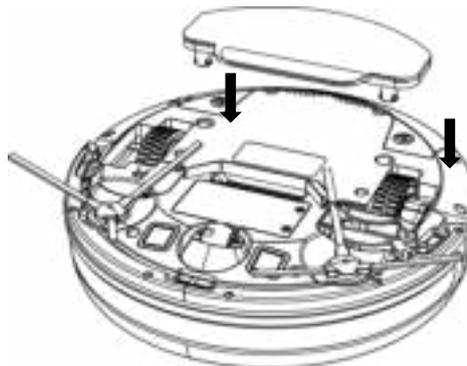
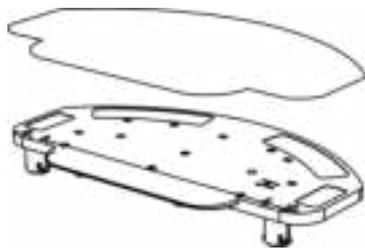


7. After connected with hot-spot Wi-Fi, return to Tuya APP interface and wait for robot connection result.

Product Usage/Install the mopping holder

A. Install the mopping cloth to the mopping holder;

B. Install the mopping holder to the robot;

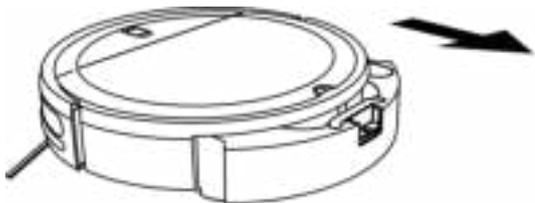


Product Usage/Watertank

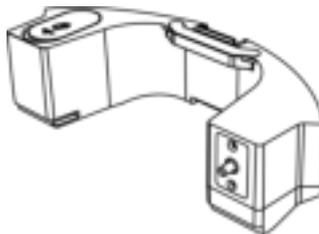
* Please do not use mopping function in the carpet.

* After mopping finished, please clean the watertank and disassemble the mop cloth in time.

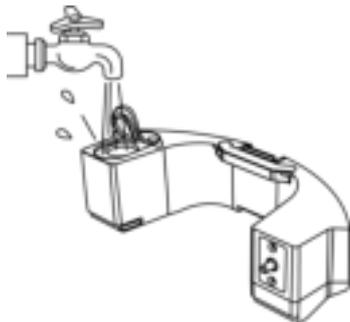
A. Take out the watertank;



C. Flatten the rubber plug



B. Open the silica gel plug and add water;

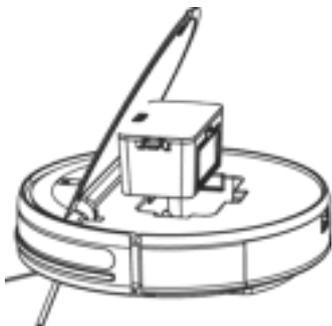


D. Install the watertank to robot



Parts Maintenance – Dust Box

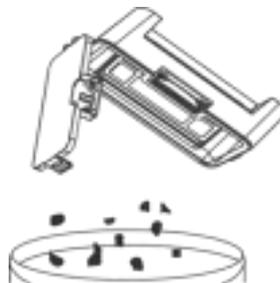
A. Press the button on the dust box to remove the dust box.



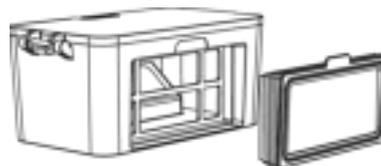
B. Open the side cover of the dust box.



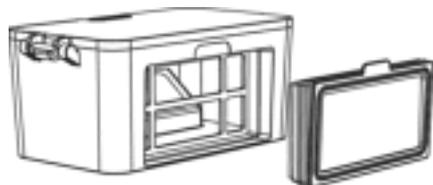
C. Dump rubbish.



D. Take out the HEPA filter.



E. Tap the HEPA filter to remove dust.



G. Clean the dust box with a cloth.

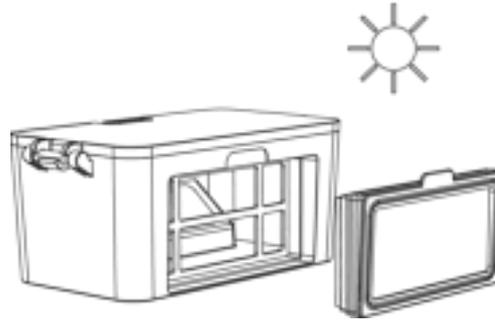


F. Wash the HEPA filter.



H. Dry the dust box and filter component to guarantee their service life.

Note: It is recommended that you wash the HEPA filter every 15 to 30 days. The maximum service life of the HEPA filter is three months.



I. Put the HEPA filter back into the dust box.

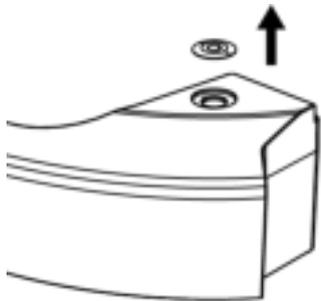
Note: 1. Before installing the HEPA filter, ensure that the HEPA filter is dry.

2. Do not expose the HEPA filter to the sunlight.

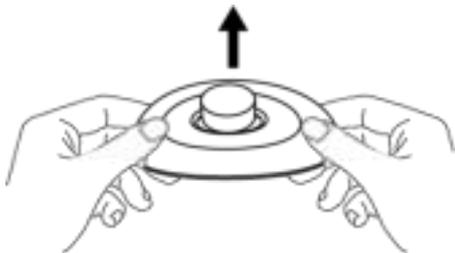
J. Close the cover of the dust box and install the dust box on the main unit.

Parts Maintenance/Filter Cotton

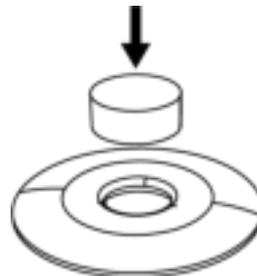
A. Take out the outlet rubber plug ;



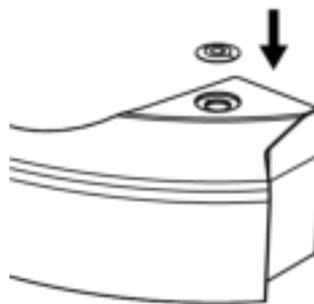
B. Take out the filter cotton from outlet rubber plug;



C. change a new filter cotton;



D. Install the outlet rubber plug.



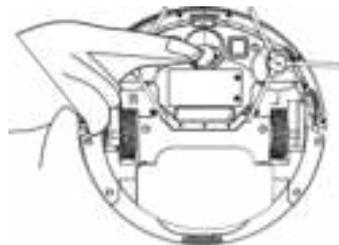
Parts Maintenance – Charging Electrode, Lower Visual Sensor, Driving Wheel and Universal Wheel

Note: The charging electrode, lower visual sensor and bumper contain sensitive electronic components. Use a dry cloth to clean the parts. Do not use a wet cloth in case water enters the parts and causes damage

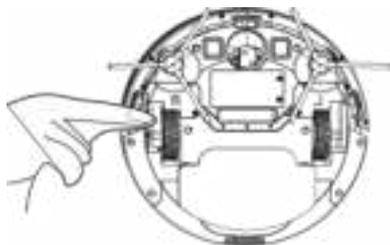
Cleaning the charging electrode



Cleaning the driving wheel and universal wheel



Cleaning the lower visual sensor



* If you do not use the product for a long time, fully charge the product and then power off the product before you store the product. Charge the product every three months in case of over-discharge of the battery.

* If the battery is over-discharged or is not used for a long time, the product may not be rechargeable. Contact after-sales service personnel of the company for maintenance. Do not disassemble the product.

Light indication

Robot has two light indication, the upper is power and the under is recharging. Light has three color: red, green and yellow. Light status have lights off, lights steady on, quick blink and slow blink.

Item	Contents	Definition of light			
		Power		Recharging	
		Color	Status	Three color	Status
1	Power on	Green	Lights steady on		Lights off
2	Power off		Lights steady on		Lights off
3	Cleaning	Green	Lights off		Lights off
4	Recharging	Green	Lights steady on	Yellow	Lights steady on
5	Low battery recharge	Green	Lights steady on	Red	Lights steady on
6	During Charging	Green	Lights steady on	Green	Slow blink
7	Charging finished	Green	Lights steady on	Green	Lights steady on
8	WIFI AP	Green	Quick blink	Green	Quick blink
9	WIFI connected	Green	Lights steady on		Lights off
10	Abnormal warning	Red	Quick blink		Lights off
11	Standby mode	Green	Lights steady on		Lights off
12	Sleeping mode		Lights off		Lights off
13	Low battery	Red	Quick blink		Lights off
14	Not calibrated	Red	Quick blink	Red	Quick blink
15	Calibrated	Green	Lights steady on		Light off

Product Specifications

Category	Item	Specification
	Diameter	300 mm
	Height	74 mm
Structure	Net weight	2.5 kg
	Voltage	14.4 V
Battery	Battery	2500 mAh rechargeable lithium battery
	Dust box capacity	200 ml
Cleaning parameters	Charging type	Auto charging and manual charging
	Cleaning mode	Auto cleaning; Spot cleaning; Edge cleaning
	Charging time	About 300 minutes
	Cleaning time	About 100 minutes
	Rated power (W)	28
Main unit	Operating voltage (V)	14.4

* Due to the continuous improvement of the product, the product specifications are subject to the actual product. Our company reserves the right to update the product.

Security Information

Component Type	Hazardous Substance					
	Lead (Pb) and its compounds	Mercury (Hg) and its compounds	Cadmium (Cd) and its compounds	Hexavalent chromium (Cr(VI)) and its compounds	Polybrominated biphenyls (PBB)	Polybrominateddiphenylether (PBDE)
Plastic parts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metal parts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Circuit module of the main unit	X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electronic component	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Battery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power cord (Metal part)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

○: It means that the content of the hazardous substance in all homogeneous materials of the part is below the limit requirement specified in the currently valid edition of GB/T 26572.

X: It means that the content of the hazardous substance in at least one of the homogeneous materials of the component exceeds the limit requirement specified in the currently valid edition of GB/T 26572. The content of the hazardous substance in the component is in the RoHS exemption list, and meet the environmental protection requirements of the EU 2015/863 RoHS Directive.



Standard compliance:

IEC/EN 60335-1:2019 IEC/EN 60335-2-2:2013 FCC Part 15B
 EN 50014-1:2017 EN 50014-2:2015; EN 61000-3-2:2019 EN 61000-3-3:2013

Warnings about battery



You must not remove (or attempt to remove) the battery incorporated in this product on your own. To replace the battery, you must contact your service provider or an independent qualified professional. These instructions have been prepared for the exclusive use of your service provider or independent qualified professional.

FOR YOUR OWN SAFETY, DO NOT ATTEMPT TO REMOVE THE BATTERY ON YOUR OWN OR DISPOSE OF IT IN FIRE. DO NOT DISASSEMBLE,

Warning

CRUSH OR PUNCTURE THE BATTERY



Correct disposal of batteries in this product

(Applicable in countries with separate battery return systems.)

The marking on the battery, manual or packaging indicates that the battery in this product should not be disposed of with other household waste. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.

The battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider. Do not attempt to remove the battery or dispose it in a fire. Do not disassemble, crush, or puncture the battery. If you intend to discard the product, the waste collection site will take the appropriate measures for the recycling and treatment of the product, including the battery

IM Download

Please download the IM through our website: <http://www.freedynamics.com>

* Due to the continuous improvement of the product, this information product is subject to the physical object, and our company reserves the right to update the product.