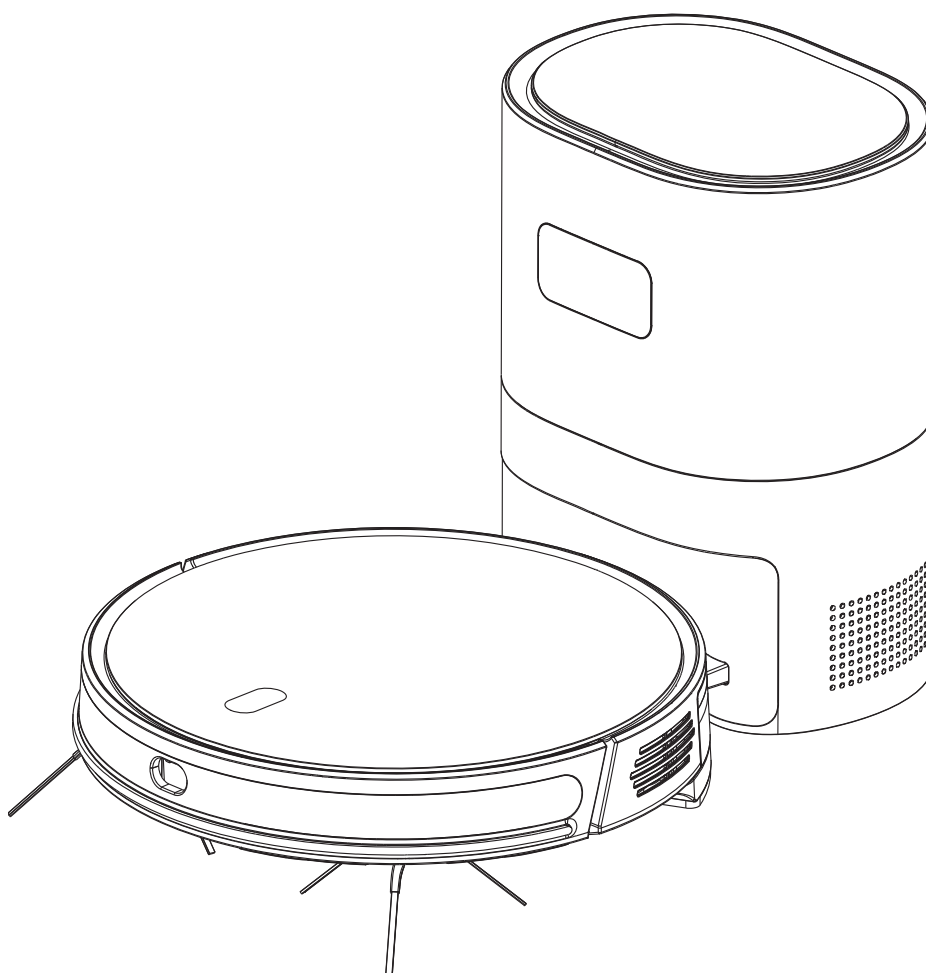


# Smart Robot Vacuum

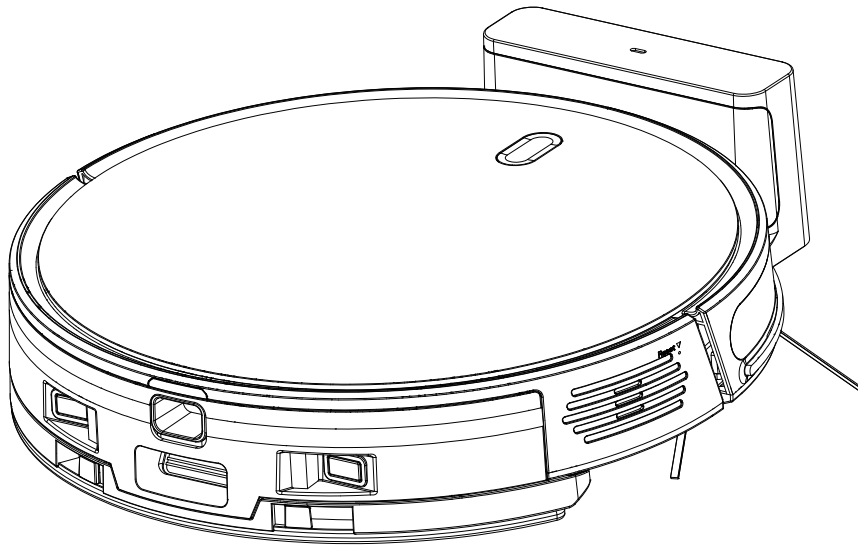
## —R200 Manual



\*Please read the instructions carefully and keep them properly before using the robot

# Smart Robot Vacuum

## —R200 Manual



\*Please read the instructions carefully and keep them properly before using the robot

# Contents

1、 Safety information .....	1
2、 Packing list .....	2
3、 Technology parameter .....	3
4、 Product presentation .....	4
5、 Fast installation .....	6
6、 Instruction .....	7
7、 Maintenance .....	13
8、 Troubleshooting .....	19

# Safety information

## Use limits ⚠

- Plastic bags are dangerous. Please keep them away from infants and young children to avoid suffocation.
- This product is only used for floor cleaning in normal temperature home and indoor environment. It should not be used outdoors (such as open balcony) and in commercial and industrial environment.
- Please do not use it in the hanging environment without protective fence.
- Please hang the cable on the ground at home before use to avoid dragging the cable when the host is running.
- Please put away the fragile articles placed on the ground at home before use.
- Do not use this product on uneven non floor.
- Do not let children and people with intellectual deficiency use the product, and do not let children use the product as a toy. Please prevent pets in your home from interfering with the robot's work.
- Do not use it to clean burning materials (such as cigarette butts, mosquito repellent incense, etc.).
- Do not use it to clean sharp or hard objects (such as decoration waste, glass, nails, etc.).
- Do not use in the toilet, do not clean the machine with water, and use a rag to wipe the surface of the machine.
- Please use the product according to the instructions. The user shall bear the loss and injury caused by improper use, manual disassembly and intentional damage.

## Battery and charging ⚠

- it is forbidden to burn the product even if it is seriously damaged, and the battery in the product may explode due to burning. Do not discard the battery at will.
- do not use any third-party batteries, charging equipment.
- do not disassemble, repair or refit the battery and charging pile without permission.
- do not place the charging pile close to the heat source (such as radiator).
- do not wipe the electrode contact piece of the charging pile with wet hands or wet cloth.
- if the power cord is damaged, it must be replaced with a special cord or a special component purchased from its manufacturer or maintenance department.
- if the product needs to be transported, please ensure that the host is turned off, and it is recommended to use the original packaging box.
- if it is not used for a long time, please charge it at least every 3 months to avoid damage to the battery due to over discharge.
- when taking out the battery, first cut off the power, and then use the correct tools. First take out the screws of the battery cover, then open the bottom cover of the product, remove the battery connection terminal, and take out the battery from the battery.

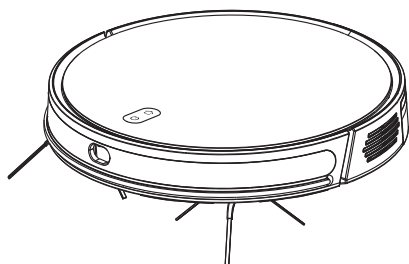
## Name and content of harmful substances in the product

Part name	Harmful substances					
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Outer shell	○	○	○	○	○	○
Ciecuit board	×	○	○	○	○	○
Motor	○	○	○	○	○	○
Battery	○	○	○	○	○	○
Accessory	○	○	○	○	○	○
<p>This form is prepared in accordance with SJ/T 11364.</p> <p>○: Indicates that the content of the hazardous substance in all homogeneous materials of the component is below the limit requirements specified in GB/T 26572.</p> <p>×: Indicates that the content of the hazardous substance in at least one homogeneous material of the component exceeds the limit specified in GT/T 26572.</p>						

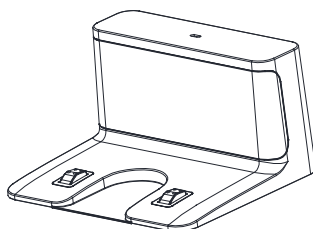


# Packing list

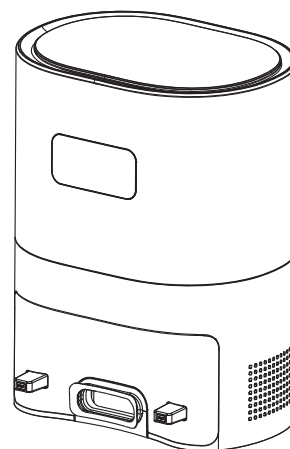
\* The illustrations of products, accessories and user interface in the manual are schematic diagrams for reference only. Due to product updates and upgrades, the actual product may be slightly different from the schematic diagram. Please refer to the actual product.



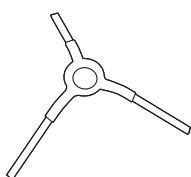
Main unit\*1



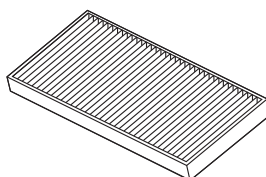
Charging base\*1



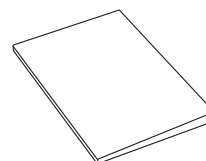
Dust collector\*1



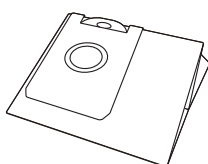
Side brush\*4



HEPA\*2

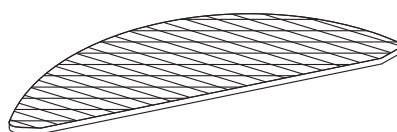


Manual\*1

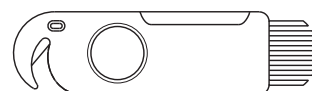


Dust bag\*2

((The dust bags are placed in the dust bag bin of the dust collector, one of which has been installed.))

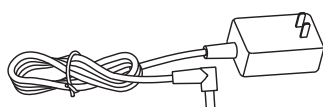


Mop\*1

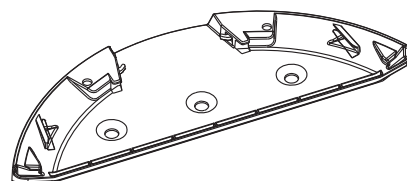


Cleaning brush\*1

(The knife is placed in the slot on the dust box)



Adapter\*1



Mop support\*1

(Including 1 installed mop, plus 1 as a gift, 2 in total.)

## Technical specification

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### Cleaning robot

Product name	Smart Robot Vacuum
Product model	R200
Product size	350*350*73 mm
Charging input	19V $\overline{\text{---}}$ 1A
Working voltage	14.4V
Rated power	35W
Battery type	Lithium battery
Battery capacity	2600mAh / 5200mAh(Choosable)

### Dust collector

Input	19V $\overline{\text{---}}$ 1A
Output	19V $\overline{\text{---}}$ 1A
Rated power	900W
Product size	195*250*325mm

# Product presentation

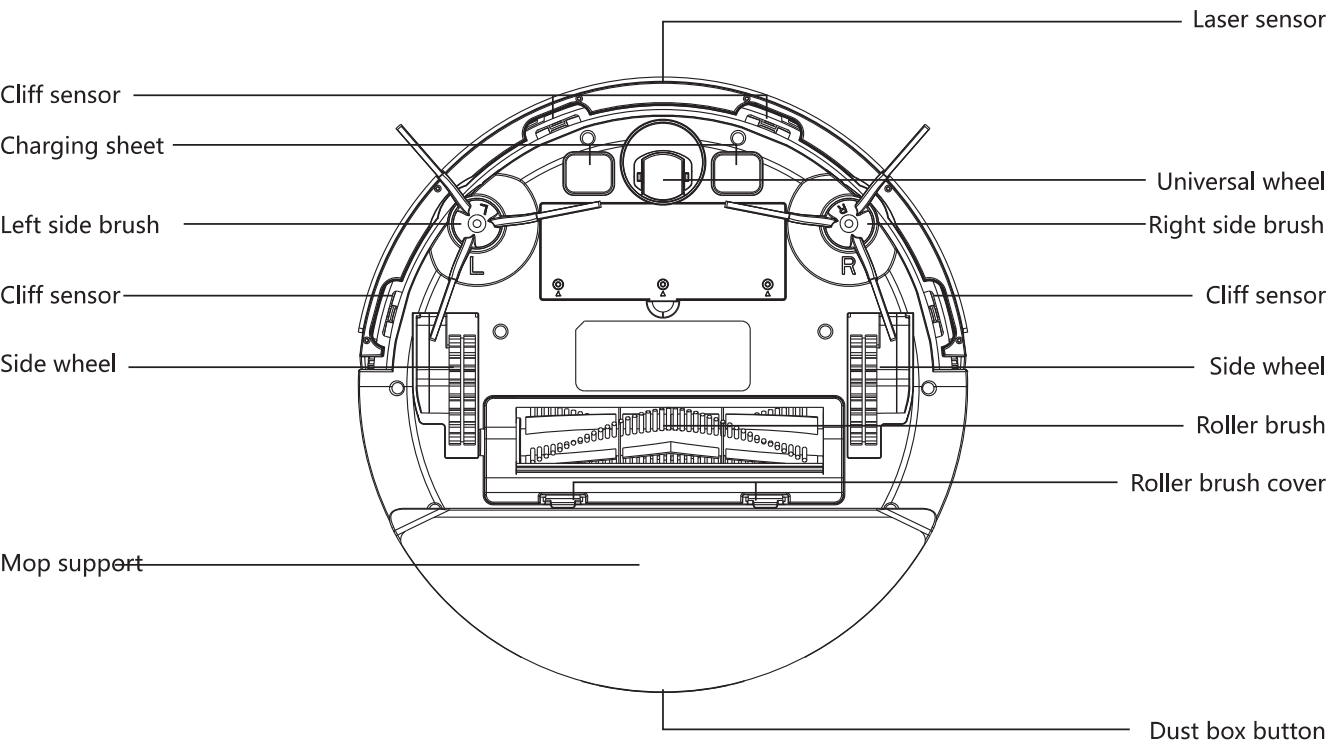
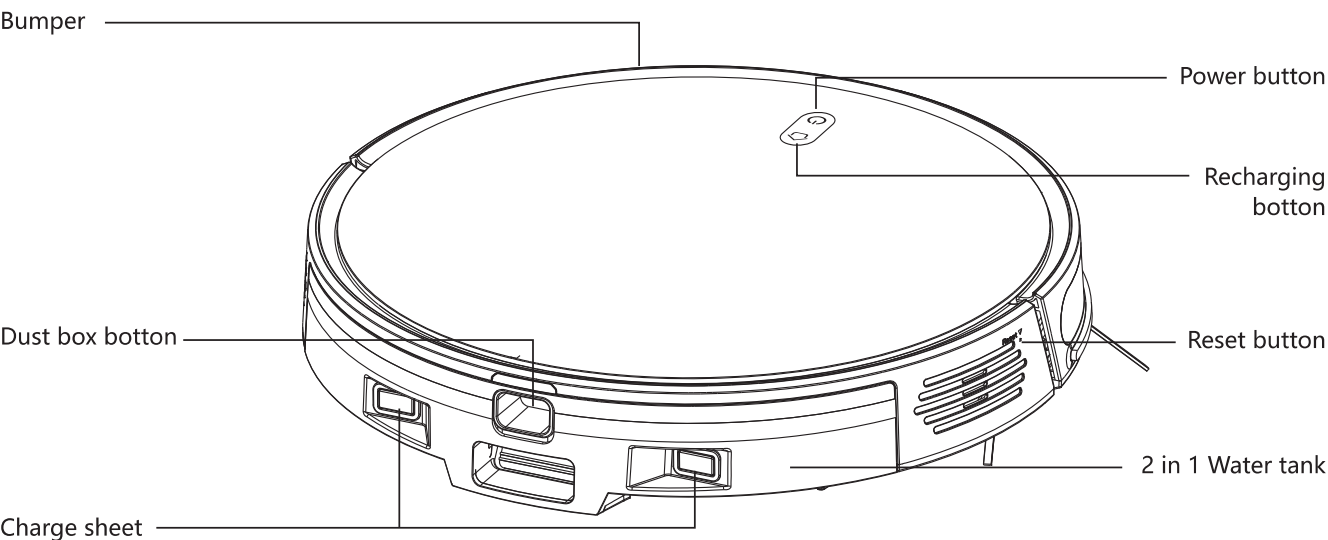
## 1、 Main unit

⏻ Switch on/off/sweep

- \*Long press, 3 seconds on/off.
- \*Short press to start global cleaning.

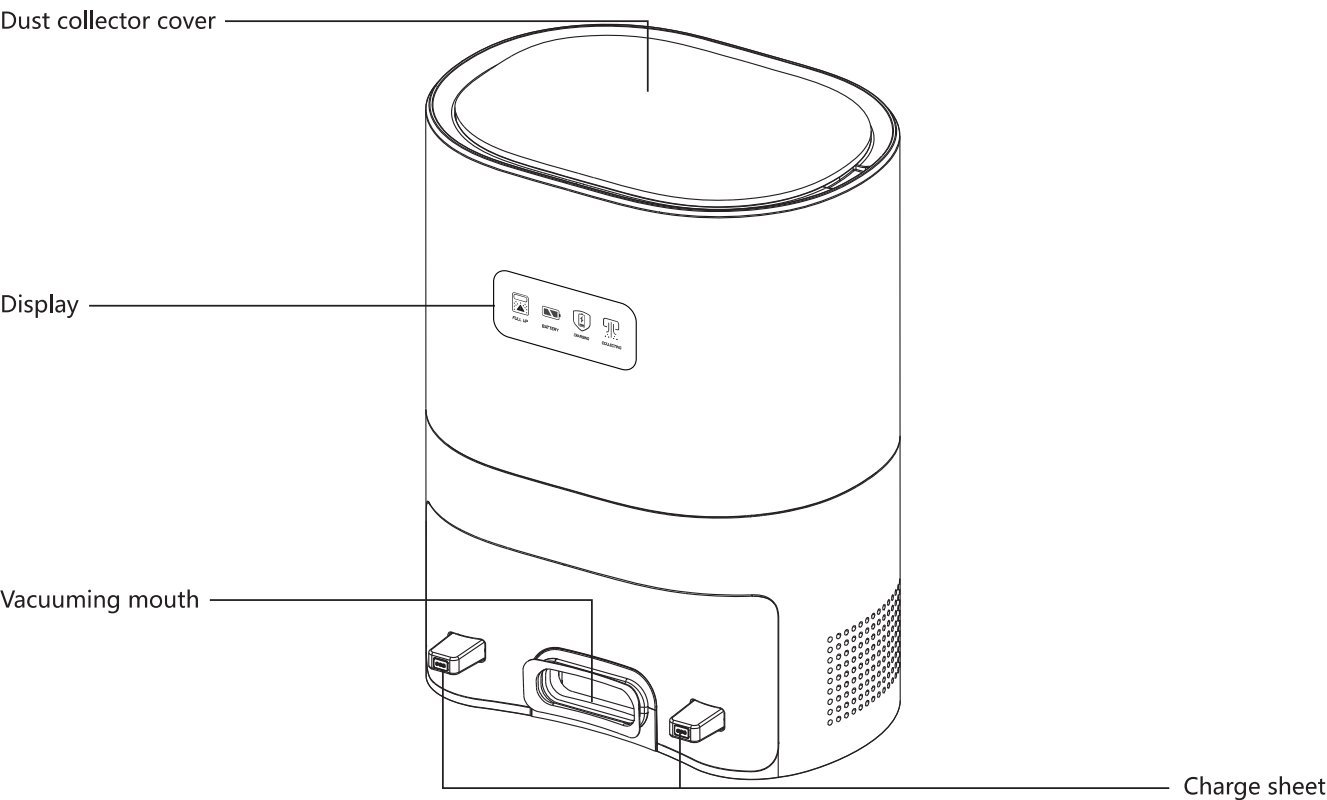
🏠 Recharg/pause

- \*Press to start automatic recharge;
- \*Long press for 3 seconds to start local cleaning;
- \*Short arbitrary keys pause during recharge.



# Product presentation

## 2、Dust collector



Warning dust bag is full, please replace the dust bag.



Device is charging.....




Indicates the battery status of the host.



The device is collecting the garbage in the dust box.

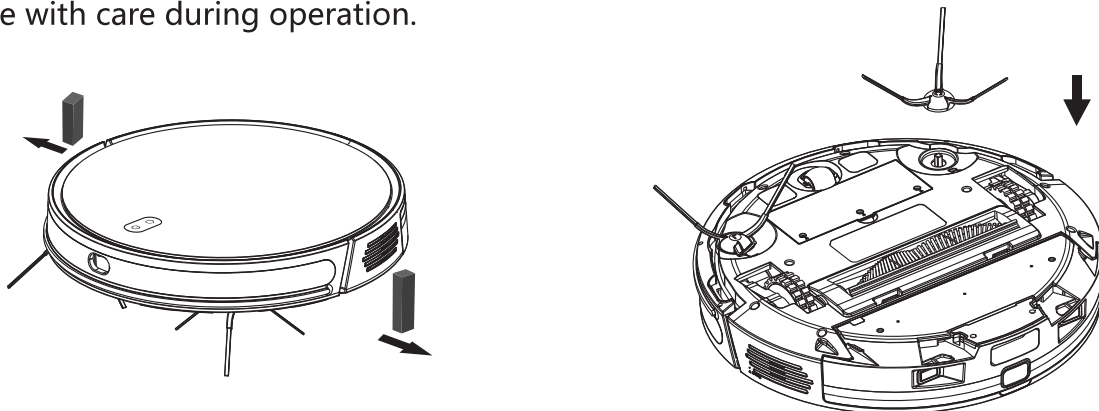
### Indicator light reminder

The host state	 Power indicator light	 Recharge indicator light
Standby	Blue light always on	Turn off
Recharge	Green light breathing	Turn off
Pause	Blue light flashes	Turn off
Sweep	Blue light always on	Turn off
Recharge	Turn off	Green light always on
Abnormal	Red light flashes	Turn off
Turn off	Blue light flashes	Turn off
WiFi reset	Blue light breathing	Turn off
WiFi connected	Blue light always on	Turn off
WiFi connecting	Blue light flashes	Turn off
WiFi connection failed	Red light flashes	Turn off

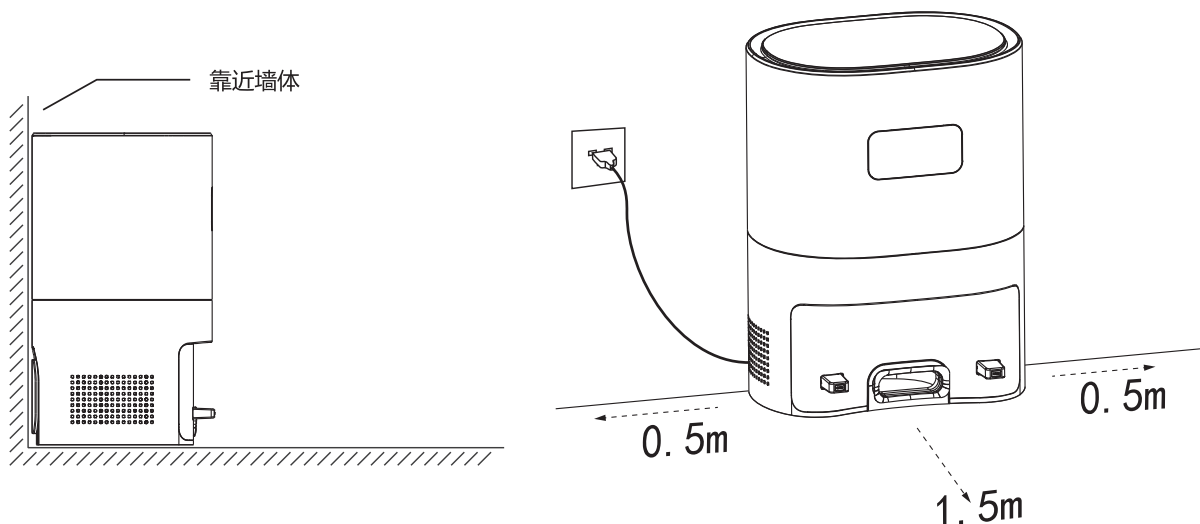


## Fast installation

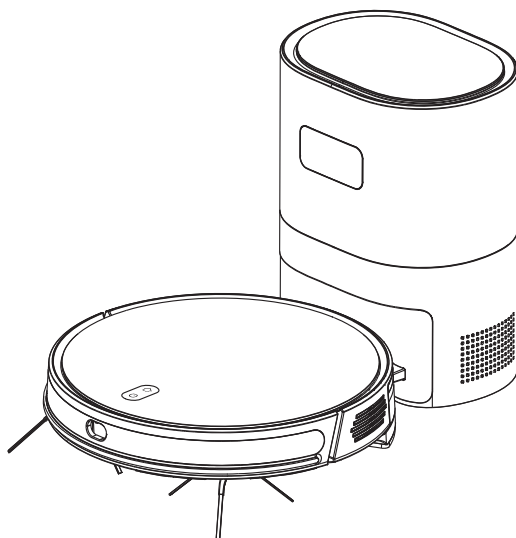
1、 Remove the protective foam horizontally from both sides of the machine. Take out the left and right side brushes and install them on the machine in the direction indicated. Handle with care during operation.



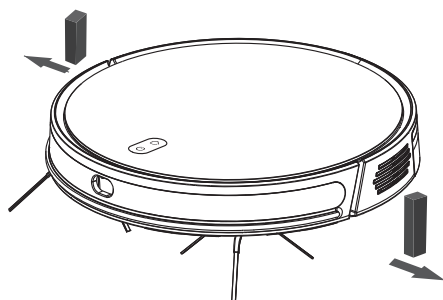
2、 Place the dust collector against the wall and ensure that there is no obstruction within 0.5 meters on both sides and 1.5 meters in front of it. Wrap the excess wire around the winding board and plug it in.



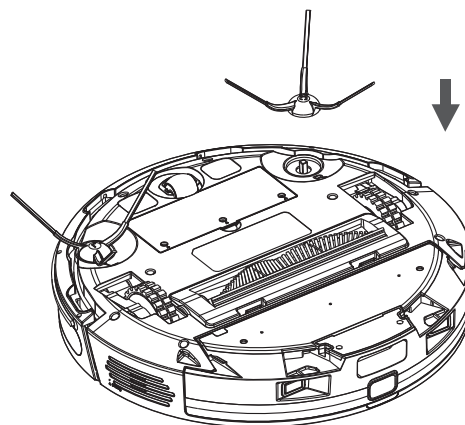
3、 Before use, please put the main machine on the dust collector to charge, and then use after full.



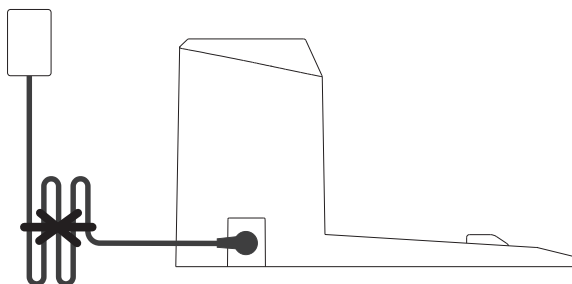
## Fast installation



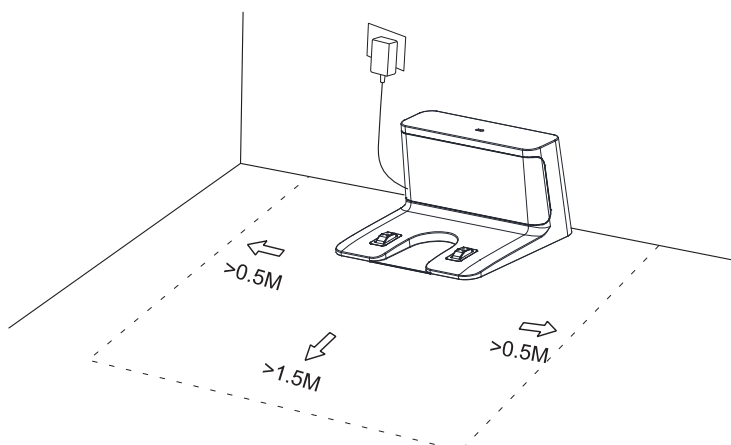
1. Remove the protective foam horizontally from both sides of the machine. Take out the left and right side brushes and install them on the machine in the direction indicated. Handle with care during operation.



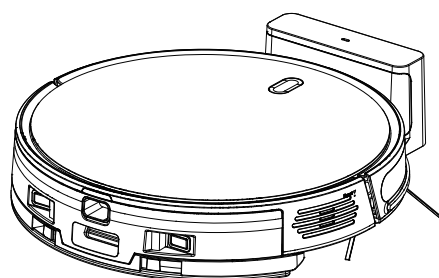
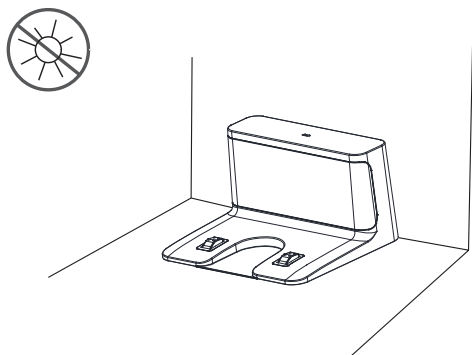
2. Place the charging base against the wall, and ensure that there is no obstruction within 0.5 meters on both sides and no obstruction 1.5 meters in front. Please wrap the excess cable and tie it with the cable belt. Place the charging base against the wall on the flat ground and connect the power supply.



3. Do not carry the charging base at will, and avoid direct sunlight.



4. Before use, please put the host on the charging base to charge, and then use after full.



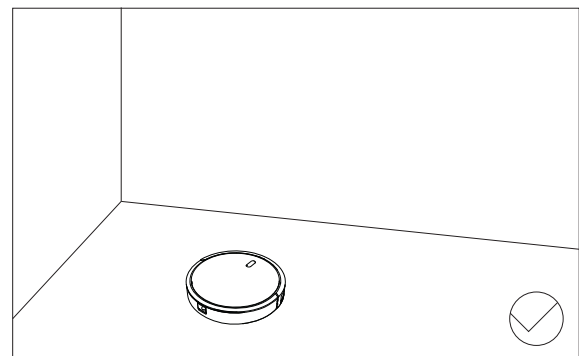
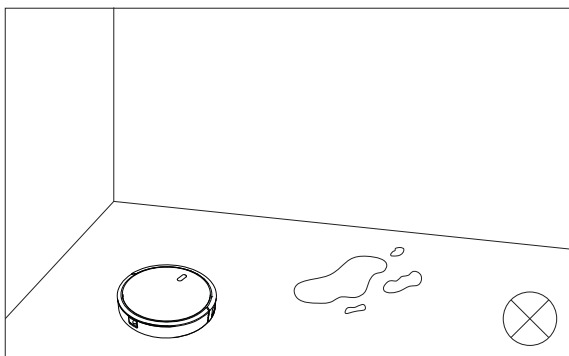
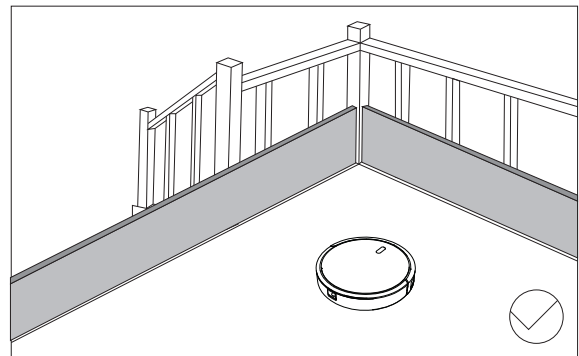
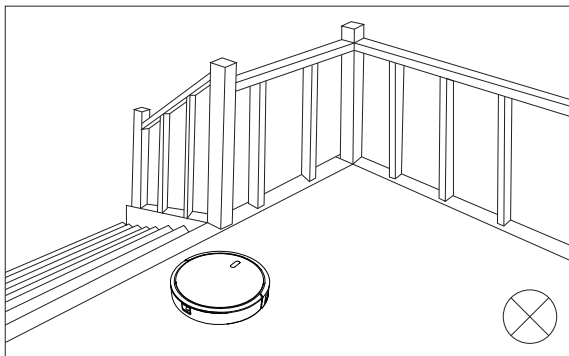
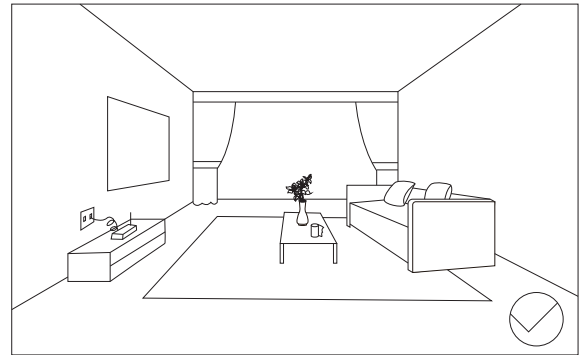
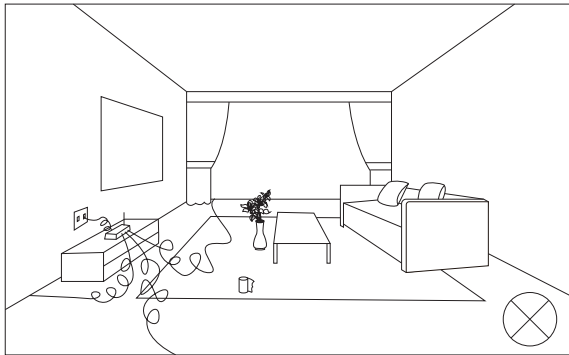
### Tip:

- Sunlight may interfere with the charging signal, and the main engine may not be able to return to the charging dock

## Method of use

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1、 Before use, collect all kinds of cables and fragile items (such as vases and wine bottles) on the floor of the room. The stairs in the home again, elevator, kitchen and bathroom door set up good protective facilities, so as not to damage. Please be careful not to use robots to clean up standing water.

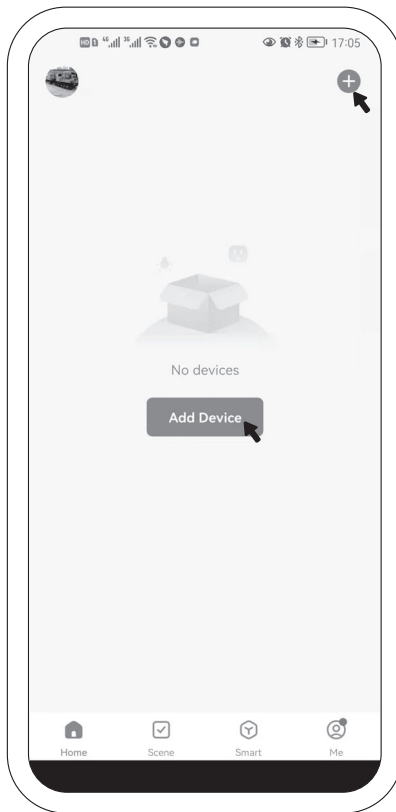


# Instructions

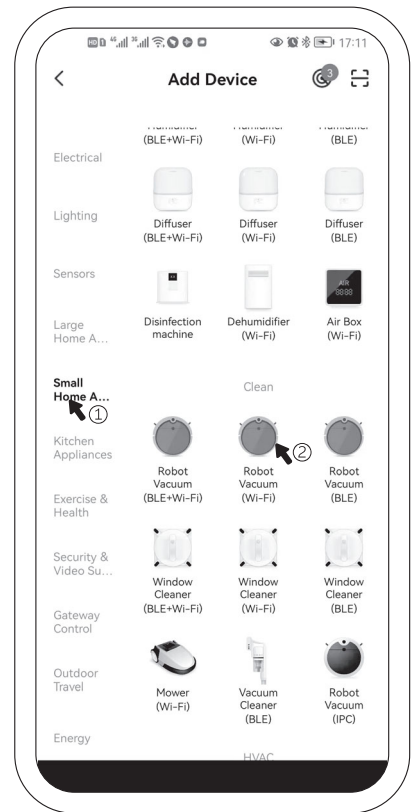
## 2、APP connection



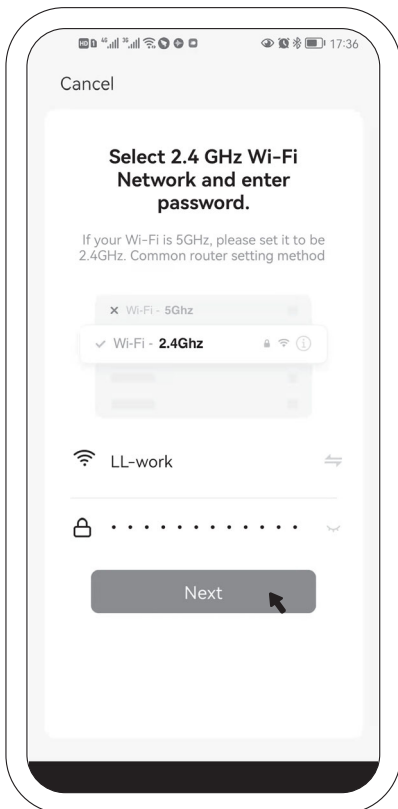
2.1 Search the "Tuya" app in the APP store or scan code to download and install it.



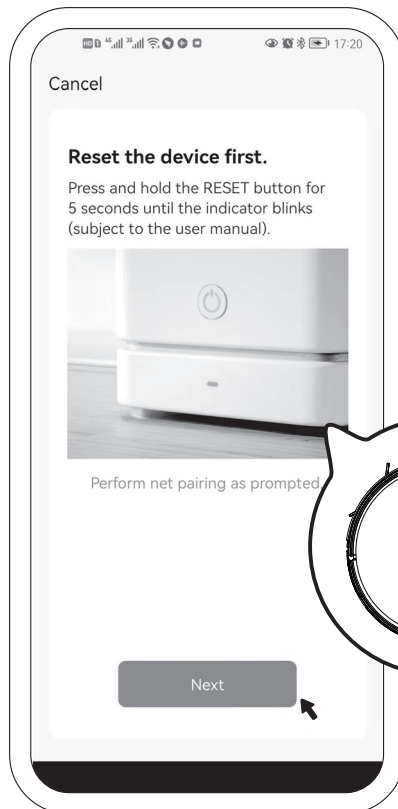
2.2 After registration and login, click the "+" sign in the upper right corner, or click the "Add Device".



2.3 Select "Small Household Appliances" - "Robot Vacuum(Wi-Fi)"

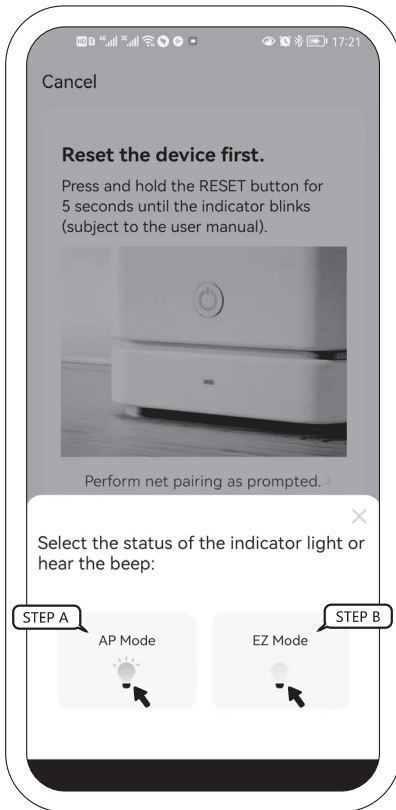


2.4 Enter the WiFi password to log in. Click the "next".

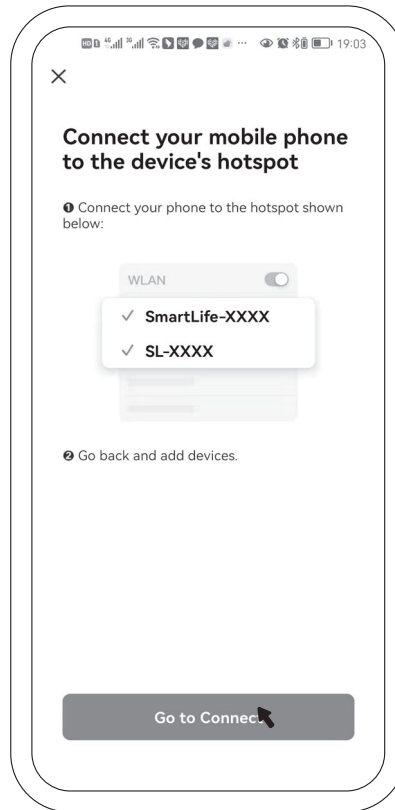


2.5 Press and hold the "⏻" key and "🔌" key at the same time for at least 3 seconds, then hear the voice : "connect to their easy mode", and the WiFi indicator turns to flash, Then click the "next".

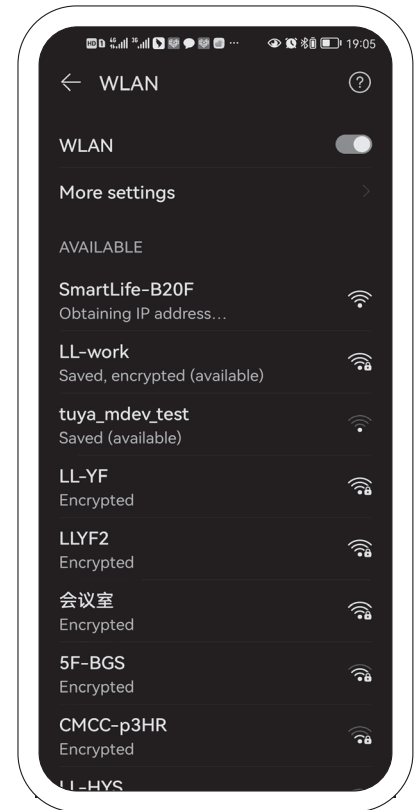
# Instructions



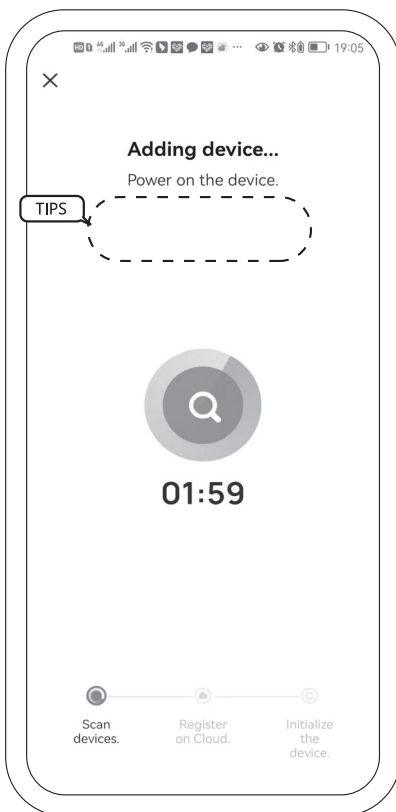
A2.6 There are two connection modes, "AP Mode" and "EZ Mode". (step A2.6): Please select "AP Mode". (step B2.6): Please select "EZ Mode". (step B2.7 Please jump to page 9.)



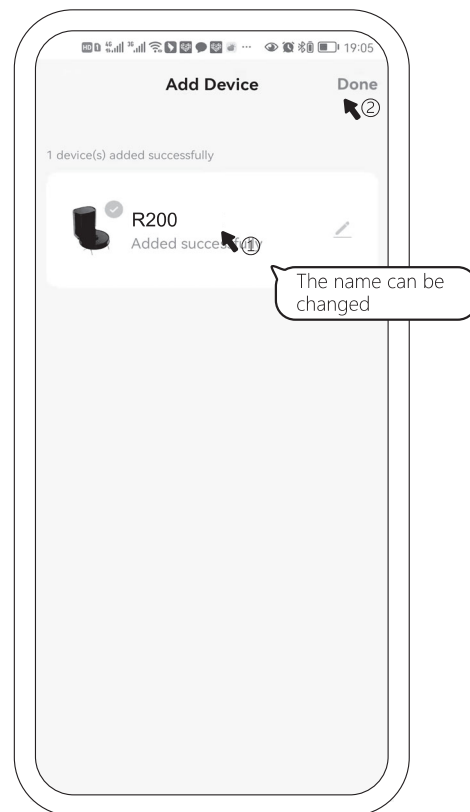
A2.7 Click "Go to Connect" to enter the WiFi selection interface.



A2.8 Please select the WiFi signal sent by the equipment. Named after "SmartLife -XXXX". Then return to the application connection.

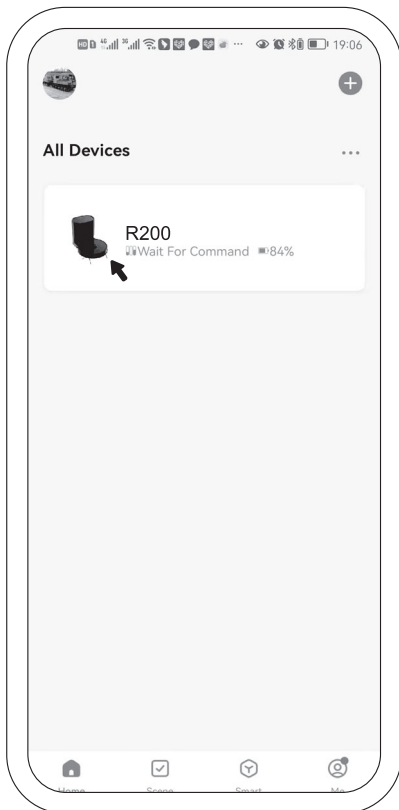


A2.9 When the device is connected to the Internet, please pay attention to the tips in the interface.

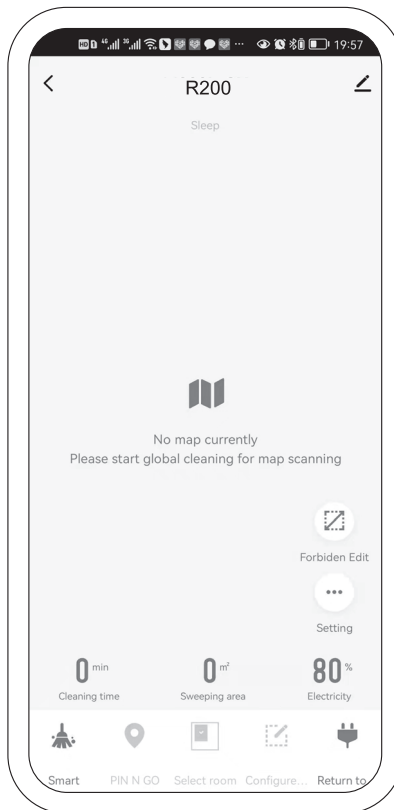


A2.10 When prompted "add success-fully", the device icon will be displayed, and the name can be changed according to its own preferences, and click "Done".

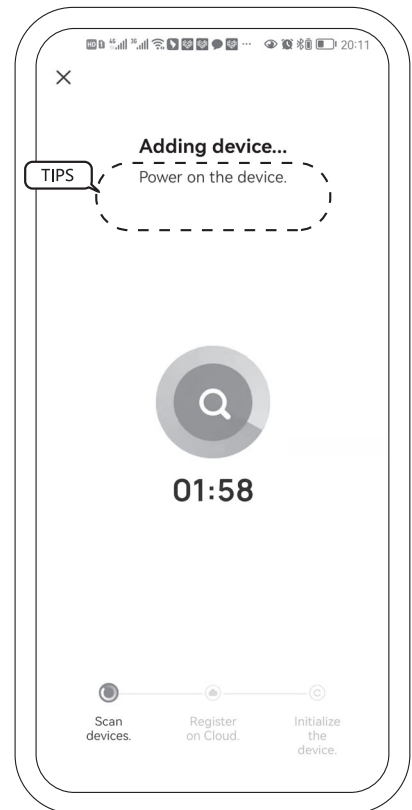
# Instructions



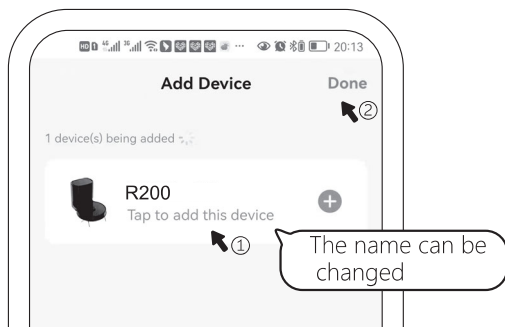
A2.11 After the completion of the add up, the device icon will be displayed on the front page of APP. Click to enter the control interface.



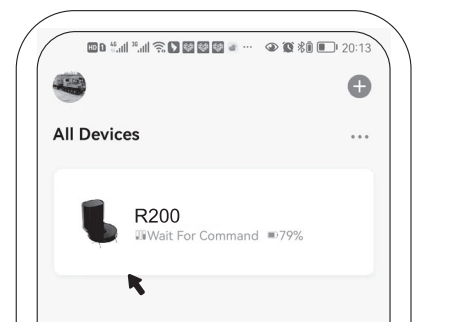
A2.12 Click "Smart" to default to work in "auto" mode, or select the appropriate mode and operation function according to the actual situation.



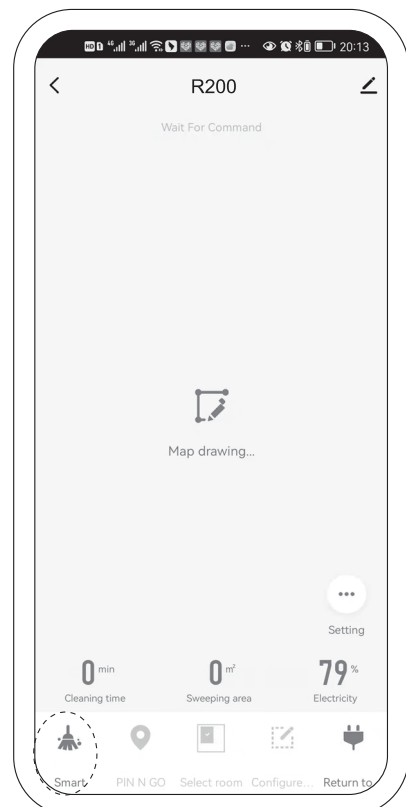
B2.7 After clicking "EZ mode", the application will search for smart devices in the same WiFi environment by itself. Meanwhile pay attention to the tips.



B2.8 When prompted "add successfully", the device icon will be displayed, and the name can be changed according to its own preferences, and click Done".



B2.9 After the completion of the add up, the device icon will be displayed on the front page of APP. Click to enter the control interface.



B2.10 Click "Smart" to default to work in "auto" mode, or select the appropriate mode and operation function according to the actual situation.

## Instructions

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### 3、Sweep/pause

After the machine is successfully switched on, short press the " ⏻ "button on the main machine, or use mobile phone APP to start the sweeping or pause.

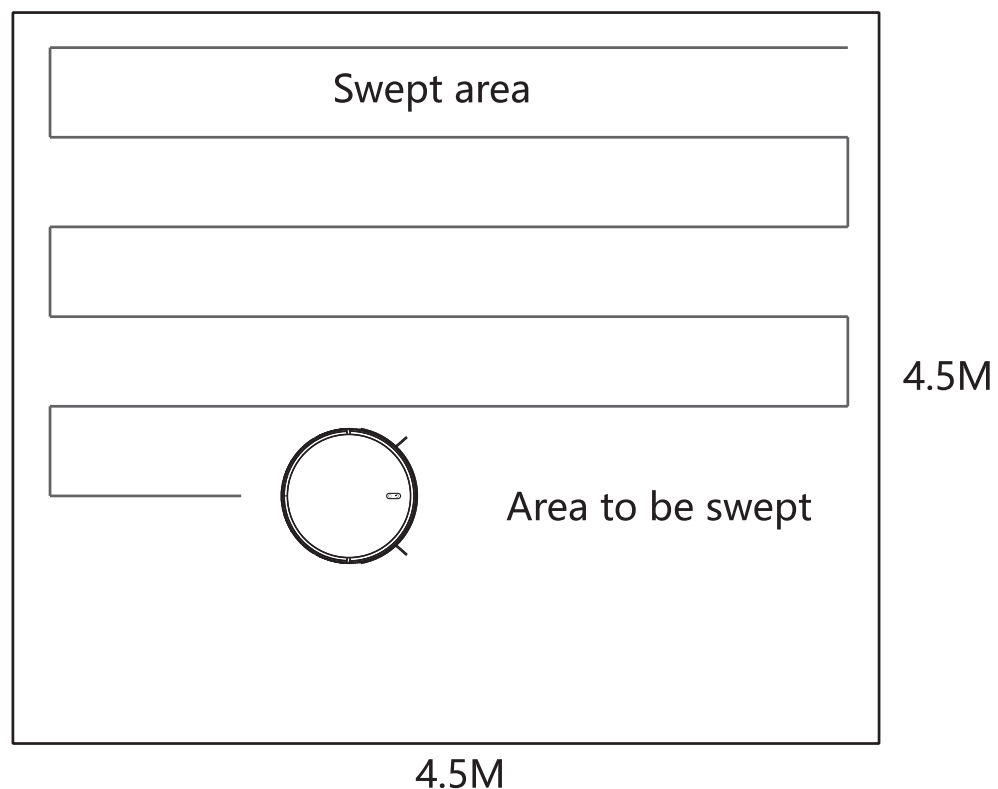
### 4、Recharging

When in use, if the power of the device is low, it will automatically return to charging. In the pause state, short press the " ⏪ " button to start the recharging, or control the recharging in the mobile APP.

### 5、Operating Mode

#### 5.1 Automatic sweeping

After the machine is started, the equipment first selects the 4.5\*4.5m area and performs bow cleaning, and after cleaning the 4.5\*4.5 area, it will move to the next partition, so as to achieve an orderly and efficient cleaning of the whole house. After cleaning, it will Automatically return to the charging base for charging. The default automatic cleaning mode when the Robot is powered on.

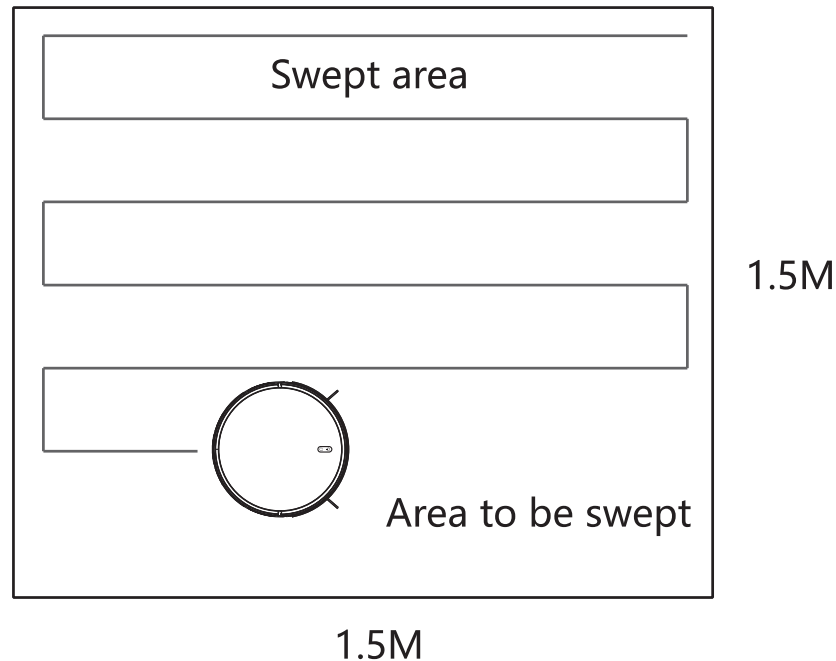


## Instructions

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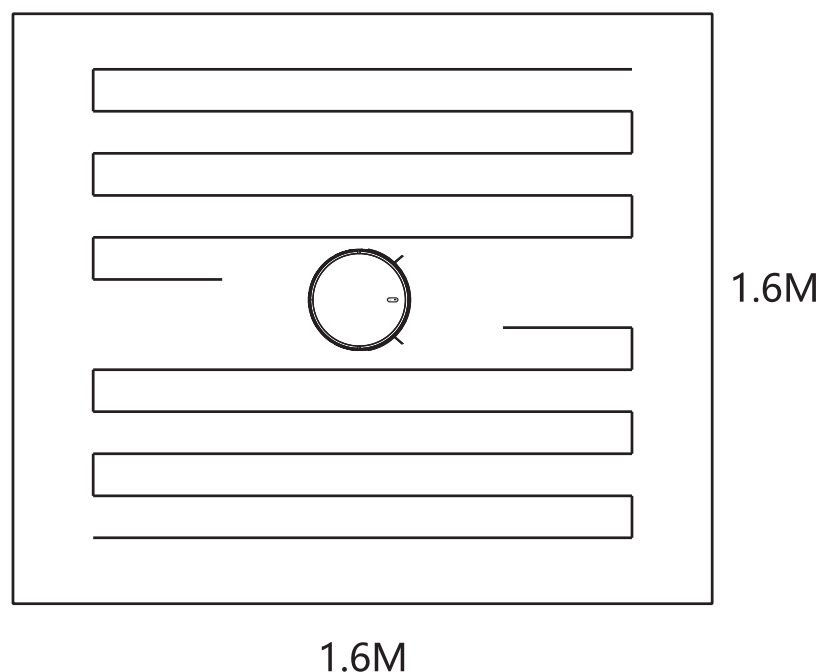
### 5.2 Fixed-point sweeping

Using the "⊕" function on the mobile phone APP, the Robot will take itself as the center to sweep the area with a diameter of 1.5\*1.5m for bow cleaning, and the Robot will automatically return to the starting position after cleaning and stop working.



### 5.3 Local sweeping

With the current position of the robot as the center point, the area of 1.6\*1.6m is the area for local cleaning. After the sweeping, the Robot will stop in place and wait for the next command.





## Instructions

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### 5.4 Scheduled sweeping

The appointed sweeping time can be set by the mobile phone APP, the Robot will automatically start sweeping at the specified time, and return to the charging base for charging after the sweeping is completed. (7X24-hour scheduling supported.)

### 5.5 Silent mode

When the silent mode is started, the Robot will not play voice, and the silent mode can be opened or closed on the mobile phone APP.

### 6、Suction adjustment

Use the mobile APP to select strong, normal and quiet modes, the default is normal mode.

### 7、Water volume adjustment

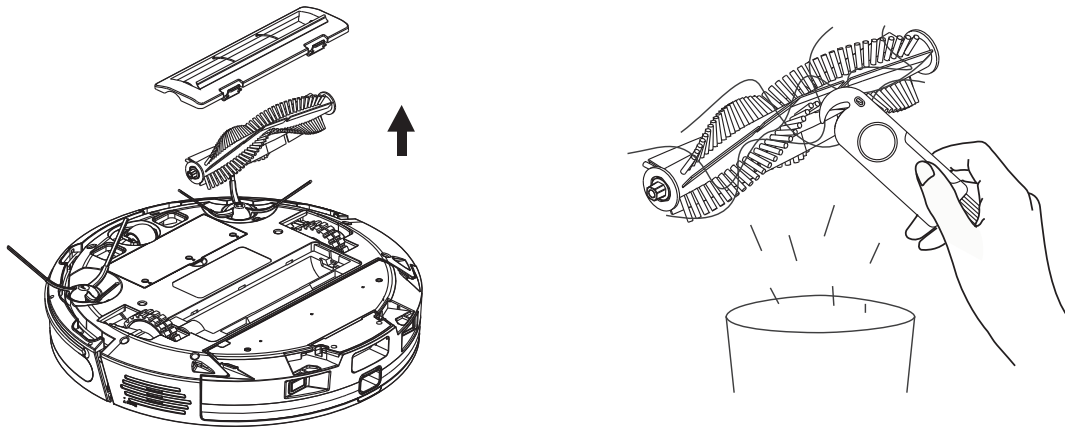
High-level, middle-level and low-level modes can be selected by using the mobile phone APP (the default is middle-level mode).

# Maintenance

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## 1、Rolling brush (It is recommended to clean it once a week)

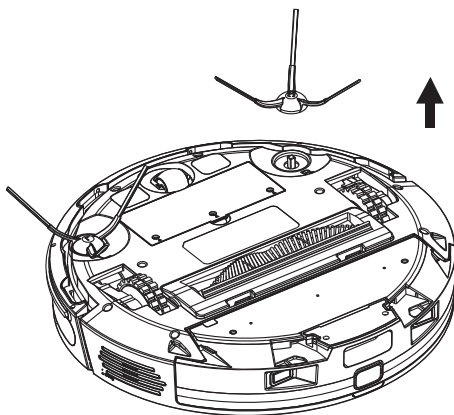
Flip the machine, press the snap on the rolling brush cover and remove the rolling brush cover, and then remove the rolling brush. Use the matched cleaning brush to clean the dust from the main brush and the rolling brush chamber, and then clean the entangled matters on the rolling brush. After cleaning, install the rolling brush back in the opposite direction.



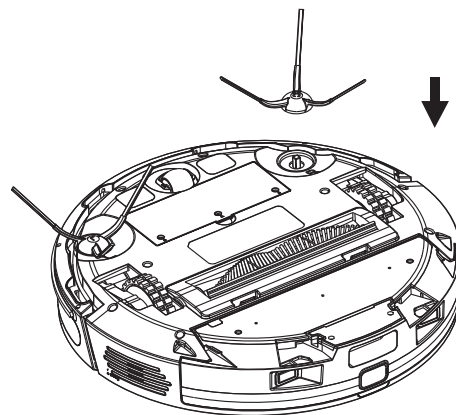
\*The roller brush is a consumable item, and it is recommended to replace it every 3 months to ensure the cleaning effect. Please buy it on the official website.

## 2、Side brush (It is recommended to clean it once a week)

2.1 Flip the machine and vertically pull out the side brush.



2.2 Reinstall it after cleaning up the entanglement and dirt.



\*Match left-side brush (L) and right-side brush (R) with the letters L and R on the bottom case, respectively and press down to install it.

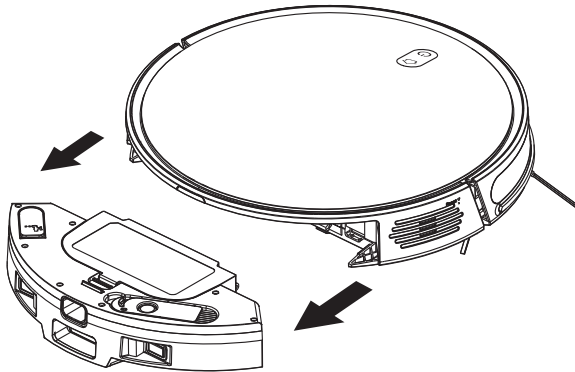
\*The roller brush is a consumable item, and it is recommended to replace it every 3 months to ensure the cleaning effect.

\*Please buy it on the official website.

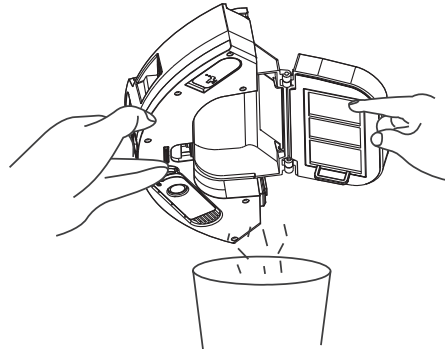
## Maintenance

### 3、Maintenance of water tank/dust box/filter screen (it is recommended to clean and maintain after each use)

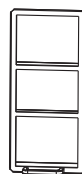
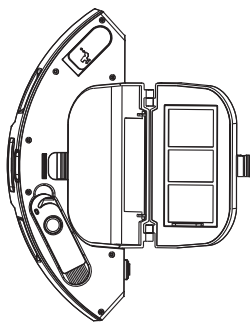
3.1 Press dust box on the button, and then back out it.



3.2 Press the switch of the dust box of the water tank, open the dust box and pour the garbage into the trash can.



3.3 Remove the filter gauze/ HEPA and sponge, and clean the filter gauze with water. Use a cleaning tool to remove debris from the HEPA. HEPA can't be washed, sponges can be washed. Then clean dust box, waiting for the sponge and filter gauze were to dry up again after use.



Early effective  
screen



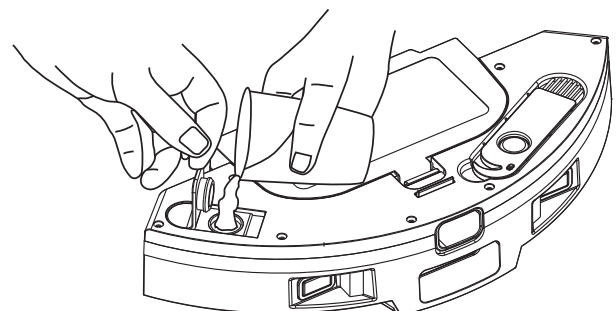
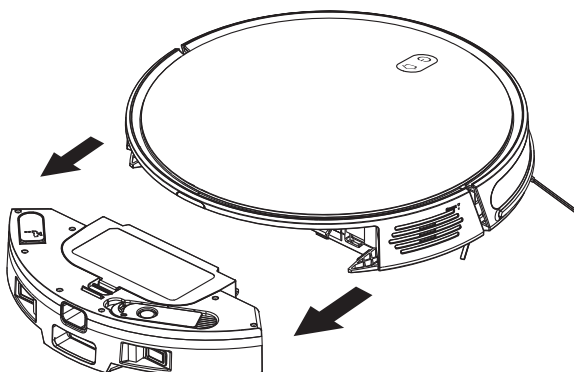
HEPA screen



Sponge cover

\*HEPA filter and sponge are worn goods, it is recommended to replace one set every 3 months, please buy it on the official channel.

3.4 Make sure there is water in the water tank before using the mop function. Press the button on the tank dust box and then pull back the tank dust box. Open the lid of the water tank and add the appropriate amount of water and fasten the lid.

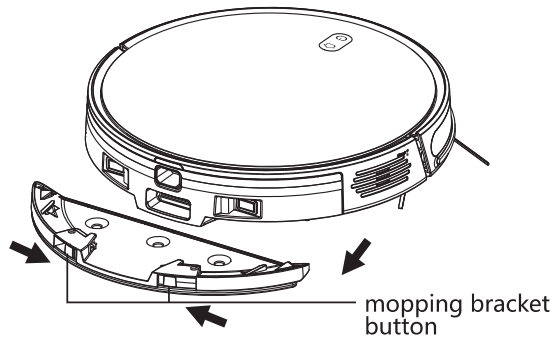


\* Please do not add washing liquid, detergent, etc. Do not clean or soak the tank.

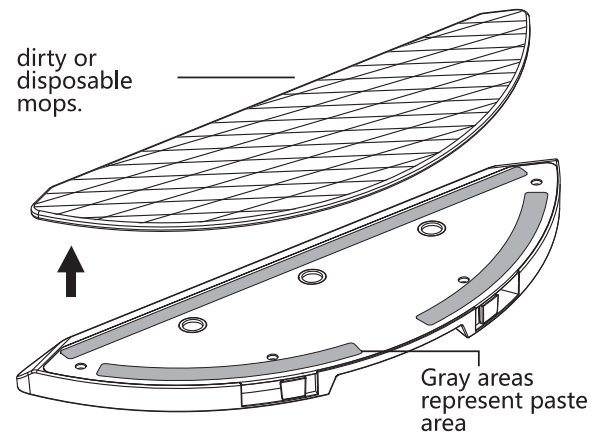
## Maintenance

### 4、Mopping module maintenance (cleaning and maintenance after each use is recommended)

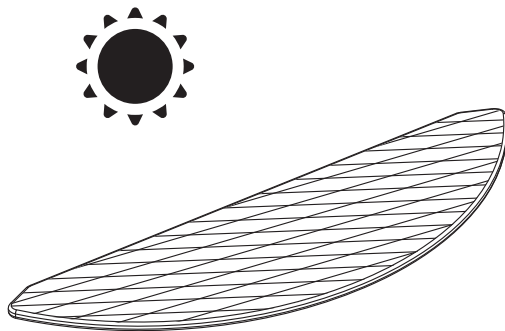
4.1 Press the mopping bracket button with double pointing inside to remove the mopping bracket from the equipment.



4.2 Remove dirty or disposable mops.



4.3 Clean mop or disposable mop clean and dry, to install or remove a new mop, disposable mop mop stents. Finally, install it back to the robot in the opposite direction of the removed bracket.

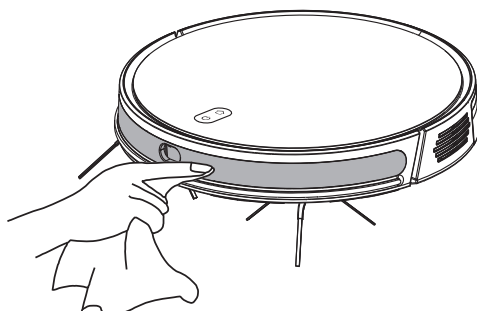


Attentions:

- \*Do not use the mopping function on the carpet.
- \*In order to get a better mop effect, it is recommended to clean the mop in time.
- \*Replace the mop according to the actual use situation, so as not to affect the use effect.
- \*Mops are wear and tear goods, please purchase from the official channel.

### 5、Robot signal area maintenance (recommended monthly cleaning)

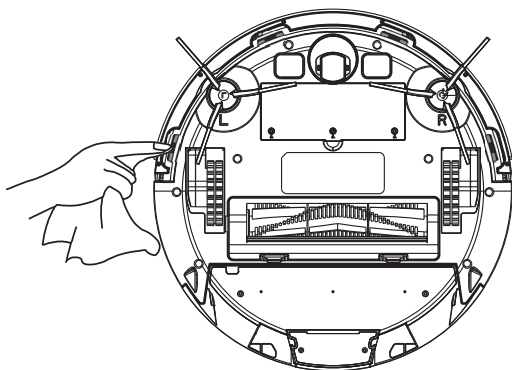
5.1 Clean the front anti-collision sensor with a soft, dry cloth.



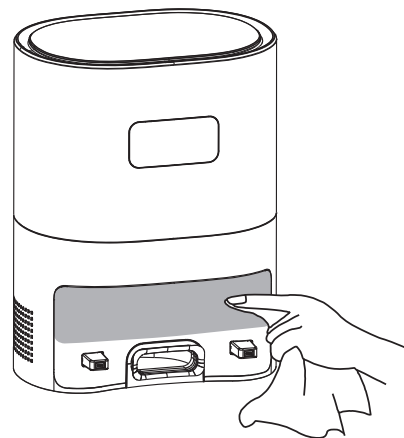
# Maintenance

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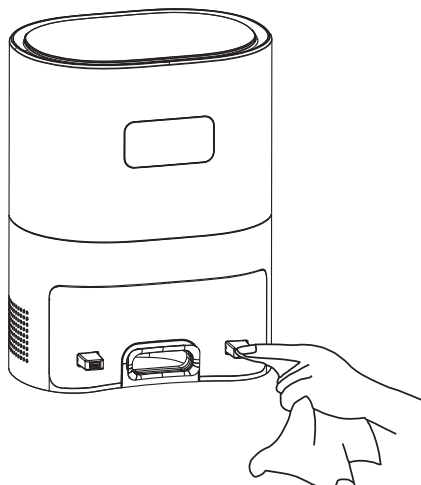
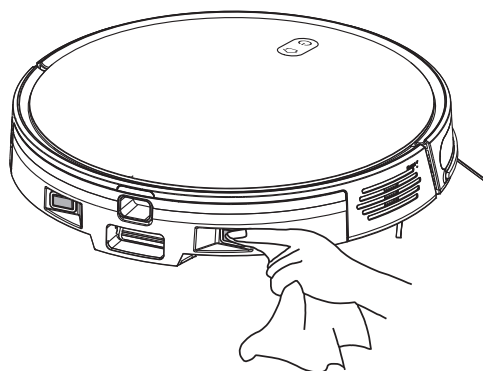
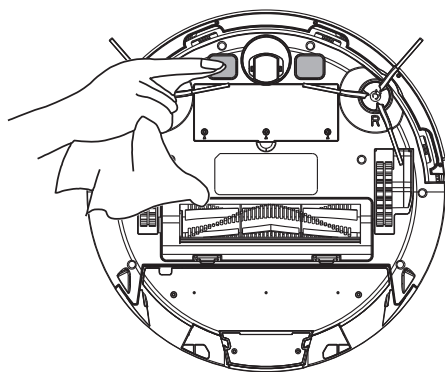
5.2 Clean the TOF sensor with a soft, dry cloth.



5.3 Clean the return signal area with a soft, dry cloth.



5.4 Clean the charging contact area with a soft, dry cloth.



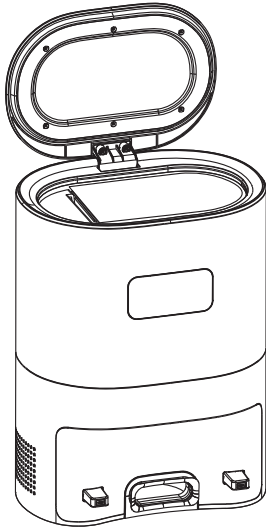
# Maintenance

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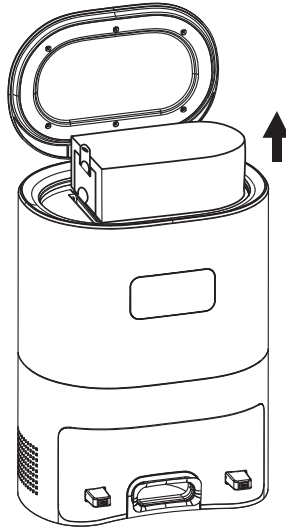
## 6、Dust Bag replacement

When the robot prompts that the dust bag is full, replace the dust bag in time. Dust bags are worn goods and can be purchased from official channels.

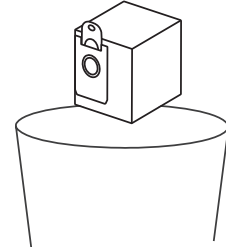
6.1 Open cover



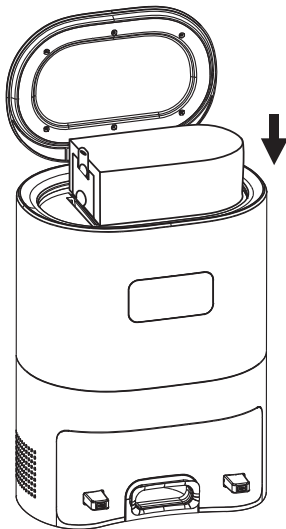
6.2 Lift the dust bag up



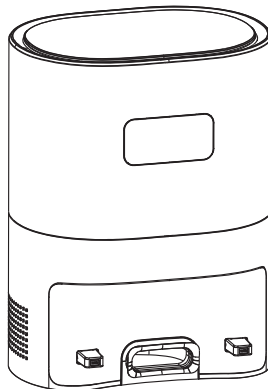
6.3 Throw the dust bag into the trash can



6.3 Install new dust bag



6.4 Cover the lid

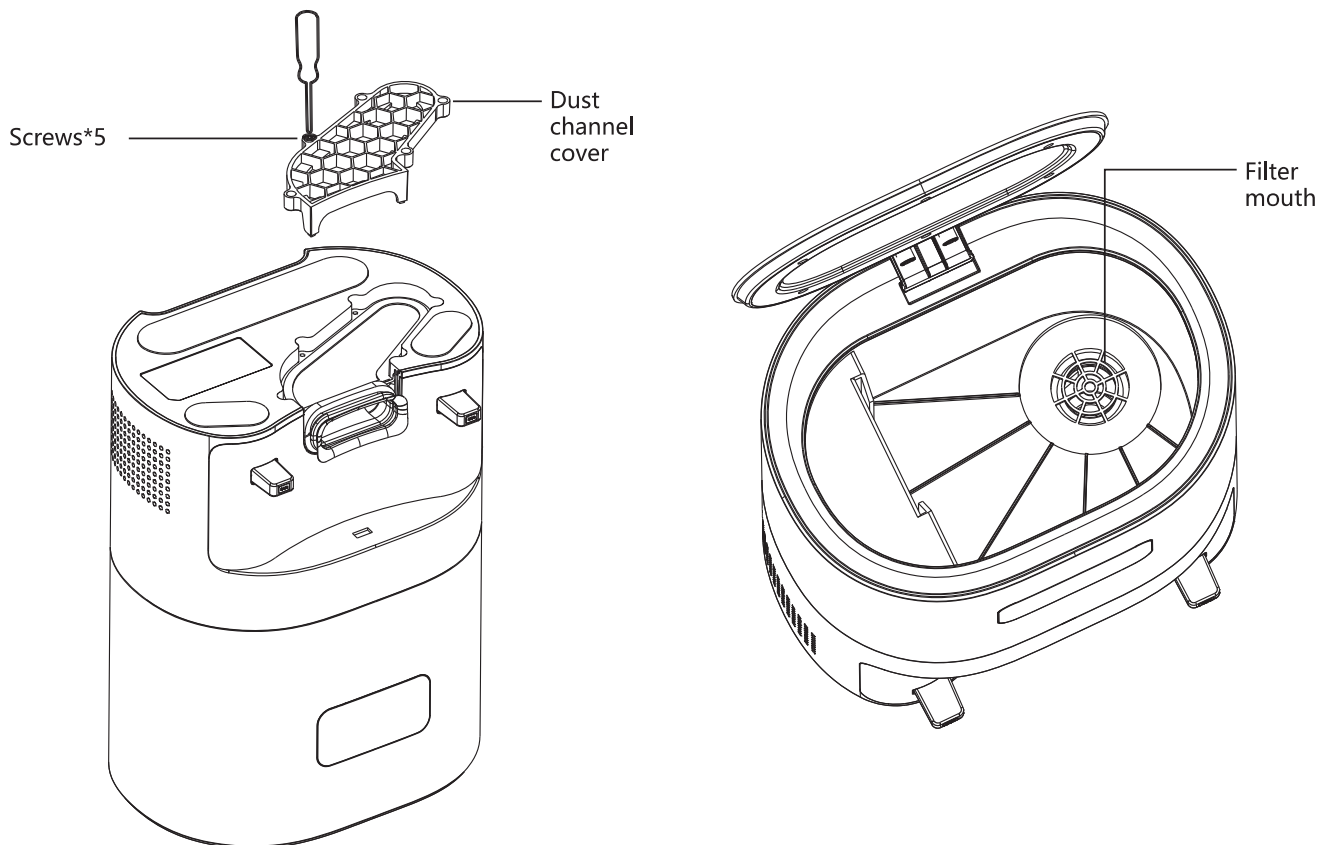


# Maintenance

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## 7、 Clean dust collection dock channel and filter.

If the dock power is weaker after dust bag replacement, it is recommended to unplug the power plug and reverse the device to check whether the dust channel is blocked by foreign bodies. Remove the cover of the dust channel with a screwdriver, and remove the foreign matter. Take out the dust bag to check whether there is foreign matter in the filter mouth and clean it.



## 8、 Battery maintenance

8.1 In order to maintain battery performance, please keep the host charged and do not use excessive power.

8.2 If not used for a long time, please fully power off, and then store it.

8.3 Charge it at least every 3 months to avoid damage caused by over-discharge of the battery.

8.4 Please using matching power adapter while charging it.

8.5 The lithium battery does not need to be fully charged for 12 hours.

## 9、 Firmware upgrade

Access the firmware upgrade through the APP. When the new firmware is detected, boot the upgrade as prompted. The firmware upgrade requires at least 50% of the power. It is better to upgrade the robot while charging.



# Troubleshooting

Problem	Solution
Boot Failure	*Low battery,place the robot on the charging base, align it with the point, it will start automatically. *Use the robot only in 0 to 40 ° C environment. *Check plug of the power adapter is properly connected or not.
Charging failure	*If the contact is not good, please clean the dirt on the charging point or remove the side brush. *The robot is too far away from the dust collector, place it near the dust collector.
Recharge failure	*Power off and restart.
Abnormal running	*There may be wrapped around the roll brush, side brush or wheel. Please stop and clean robot.
Strange noise	*Dust box is full, please clean it.
Reduced cleaning ability or dust	*HEPA block,please change it. *Roll brush is wrapped,please clean it.
WiFi connect failure	*The WiFi signal not good. Please ensure good WiFi signal coverage area (2.4g band, not supporting 5G). *Please reset the WiFi and download the newest APP and connect again. *Please check password correctly.
Schedule-clean failure	*Low battery,schedule-clean start when power is $\geq 15\%$ .

Warning	Solution
Please reinstall the water tank before starting	Cleaning is triggered when the water tank is removed. Please put the water tank back.
Please start the robot on the level ground	Pick up the robot or suspend it. Move the robot to the flat ground before starting.
Please stay away from the restricted area and restart	Please move the robot to a non-restricted area before starting.
Dust bag is not installed properly	Check that dust bags are properly installed.
Please lay the robot flat on the ground before starting	Tilt the robot and move to flat ground before starting.
Equipment trap	Check whether there is any entanglement or obstruction, and clean the objects on the ground in time that affect the operation of the equipment.
Location failure	Map data is lost and the path is planned again
The machine was trapped	Please move the main engine to open ground before starting.
Please check the main wheels	Main wheel stuck or wrapped, check and remove foreign matter.
Please check the roll brush	Roll brush stuck or wound, check and remove foreign matter.
Please check the side brush	Side brush stuck or wound, check and remove foreign matter.
Off the ground, please return to the ground to start	Pick up or suspend the robot, move it to the flat ground before starting.
Please wipe the front anti-collision sensor	If the front anti-collision sensor is abnormal, clean and wipe it.
Please wipe wall-sensor	If the wall-sensor is abnormal, clean and wipe it.
Please check the bumper	The bumper stuck. Please clean and maintain it.



## **FCC Requirement**

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

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, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter