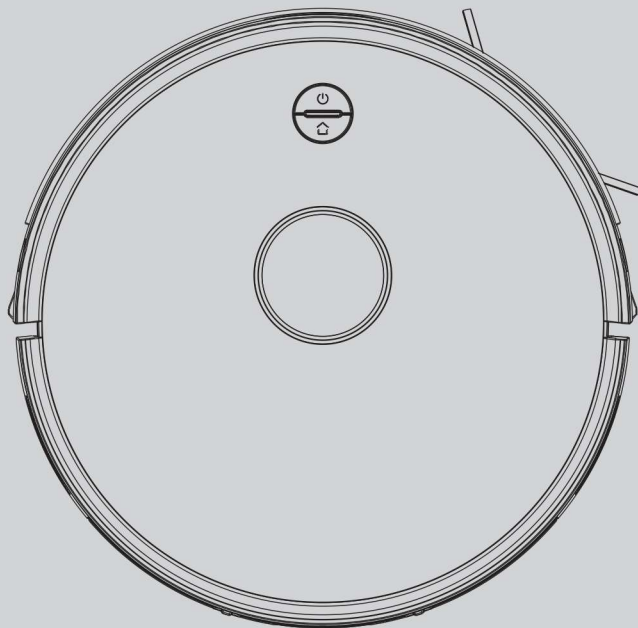


Original instructions



X950

Robotic Vacuum Cleaner

Instruction Manual

CAUTION Read the instruction manual before using the machine.

– WARNING Operators shall be adequately instructed on the use of these machines.

– WARNING This machine is not suitable for picking up hazardous dust.

– WARNING This machine is for dry use only.

– CAUTION This machine is for indoor use only.

– CAUTION This machine shall be stored indoors only.

– A warning that the machine shall be disconnected from its power source during cleaning or maintenance and when replacing parts or converting the machine to another function:

- for mains operated machines by removing the plug from the socket-outlet;

- for battery powered machines by safely disconnecting at least the B+ or B– pole of the battery or an equivalent method (disconnecting device); for non-SELV both poles must be disconnected.

– WARNING Do not allow the supply cord to come into contact with the rotating brushes.

Content table

1.Safety instruction	2
2.Product instruction	4
2.1 Accessories list	4
2.2 Robot basic parameters	5
2.3 Robot introduction	6
2.4 Robot components	7
3.Product use	9
4.Repairing and maintaining	16
5.Trouble shooting	22
6.FCC Information	23

1.Safety Instruction

WARNING

1. This appliance can be used by children aged 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 the 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 done by children without supervision.
2. For the failures that may occur in the cleaning progress, please check in time. Before cleaning, please remove the wire and tiny objects on the floor in advance. In addition, please roll up the edge of the carpet and fold it under the carpet, and make the curtain and tablecloth not hang too close to the floor to prevent disturbing the robot.
3. If there is any suspended environment like stairs, please do not stand under the stairs to avoid harm due to the falling of the robot. It is better to set up a protective fence near the edge of the suspended area to stop the robot from falling down so that the protective fence will not trip anyone.
4. Ensure the voltage of the power source complies with the mark of the charging base.
5. Please ensure that detachable parts such as the side brush have been properly installed before use.
6. The appliance is designed for cleaning indoor areas in the house. Please do not use them outdoors, in commercial or industrial areas. Children should be supervised to ensure they do not play with the appliance.
7. Please operate the robot and charging base seriously according to the manual, or it may cause injury or property loss. Manufacturers will not take any responsibility caused by improper use.
8. Do not wash the robot and its charging base with water directly.
9. Do not mop the robot and its charging base with a wet cloth.
10. Do not use the robot and its charging base on the floor with water.
11. Do not use the robot and its charging base near flame or fragile objects.
12. Do not let your body go too close to the opening or running part of the robot and the charging base, especially hair, clothes, and fingers.
13. Do not use the robot and its charging base surrounded with burning materials such as cigarettes, matches, ashes, and any inflammable materials such as gasoline, color powder of printer or copier, and anything that may cause a fire.

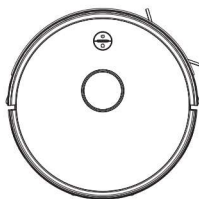
1.Safety Instruction

WARNING

14. Do not use the robot and its charging base with damage.
15. Do not pull or drag the robot or charging base via its cord. Do not treat the power wire as a handle. Do not clamp the cord with the door. Do not lie the cord on a sharp point and ensure the power cord is far away from the heat source.
16. Do not use the robot and its charging base in the children's room.
17. Stop using the robot and its charging base immediately in case of that they have any damages.
18. Do not replace spare parts on your own to avoid physical injury. Please contact the after-sale center or professional technician.
19. Do not use spare parts from non-designated suppliers. Please contact the manufacturer or after-sale center.
20. Only use the original rechargeable battery and charging base from the manufacturer. It is forbidden to use non-rechargeable batteries, for battery specifications please refer to the technical parameters.
21. If the product is going to not be used for a long time, please power off the product.
22. The charging plug must be unplugged from the power socket before cleaning and maintaining.
23. Before discarding the robot, please take the robot off the charging base, shut off the robot, and take out the battery.
24. When disposing of the robot and charging base, please be subject to local legal regulations, especially for the lithium battery.
25. In case of that the product is seriously broken, it is prevented from burning the product, since the battery inside may cause an explosion.
26. Please do not use the product on the carpet with long hair(the robot may not be able to normally work on dark carpets).
27. Warning: against recharging non-rechargeable batteries.
28. This appliance contains batteries that are only replaceable by skilled persons.
29. WARNING: For the purposes of recharging the battery, only use the adapter(model: K12V190060C) provided with this appliance.

2.Product Introduction

2.1 Accessory list



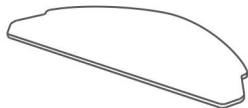
Robot



Charging base



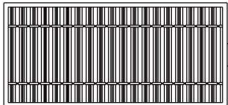
Adapter



Mop pad



Side brush





High performance filter



User manual

2.Product Introduction

2.2 Basic parameters

Robotic Vacuum Cleaner - X950			
Size	335x335x95mm	N.W.	3.0kg
Voltage	14.4~14.8V 	Rated power	35W
Battery	Lithium 2900mAh		
Charging base			
Adapter model no.	K12V190060C		
Input:100-240V~0.35A Max 50/60Hz		Output: 19 V  0.6A	

* Due to product continuous improvement, the technical or design may change without prior notice.

CLASS LASER PRODUCT

Invisible laser radiation

Laser energy --Exposure near aperture may cause burns

Wavelength:940nm

Output power: 6mW

Frequency: 0,48ms

Frequency bands: 2412-2472MHz (for European); 2412-2462MHz (for United States)

Maximum RF power transmitted (e.i.r.p.): < 20dBm(for European)

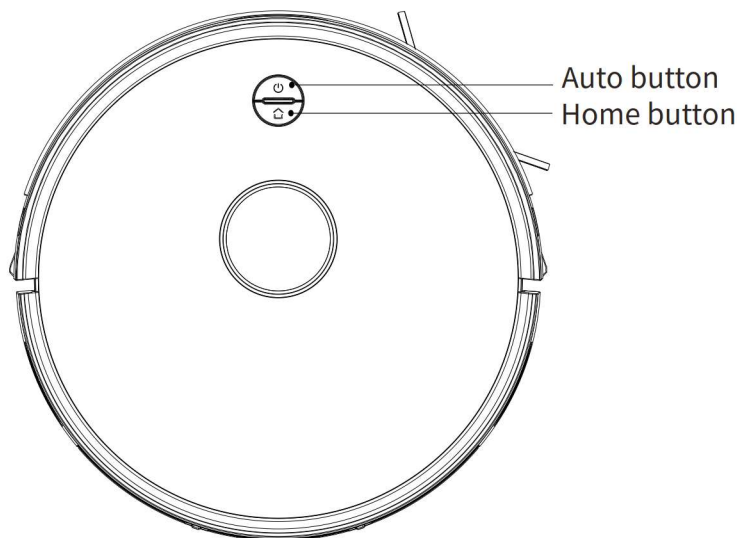
Laser of vacuum cleaner complies with the standard for Class laser products of IEC 60825:2014.

Zhiyi (Zhongshan) Technology Co., Ltd.

No. 39, Donghui Road, Cuiheng New District, 528400 Zhongshan, Guangdong, PEOPLE'S REPUBLIC OF CHINA

2.Product Instruction

2.3 Robot basic parameters

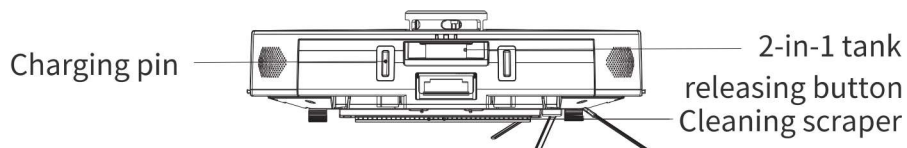
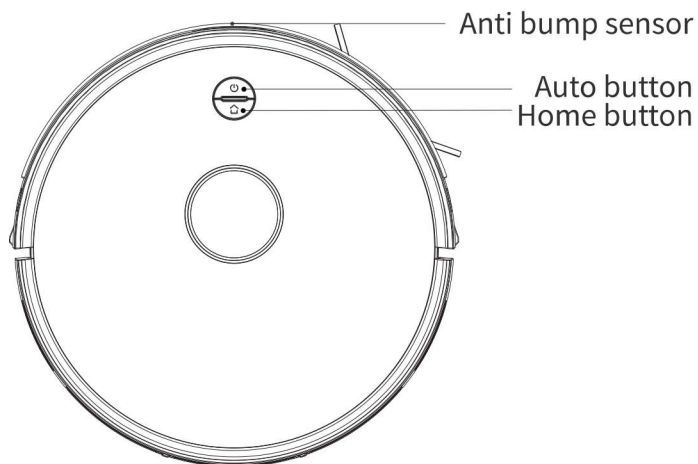
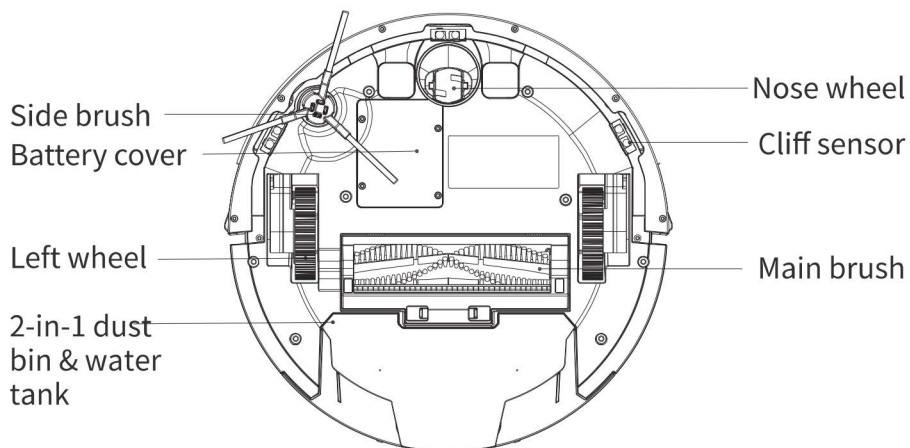


Button	Robot status	Operation	Function description
Auto button	Off	Long press for 3 seconds	Turn on the robot
	On	Press one time	Start cleaning/stop cleaning
		Long press for 5 seconds	Turn off the robot
Home button	On	Press one time	Auto charging

Power indicator light	Green	Available battery capacity $\geq 20\%$
	Orange	Available battery capacity $\leq 20\%$
	Red	Failure or abnormal

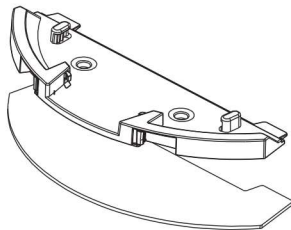
2.Product Instruction

2.4 Robot component

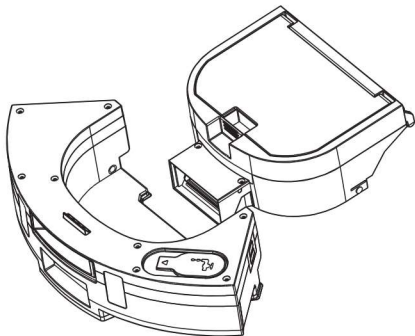


2.Product Instruction

Mop holder

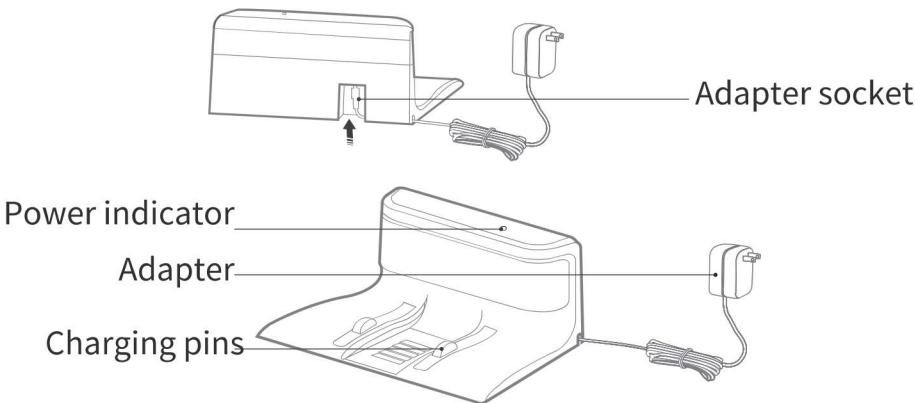


2-in-1 dustbin & water tank



* Note: The obstacle crossing capacity and climbing capacity may be affected when water tank is full.

Charging base

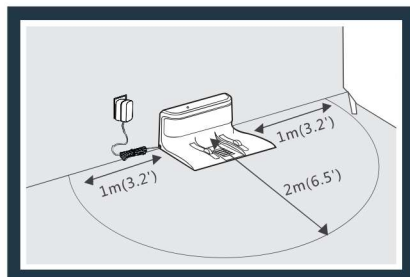
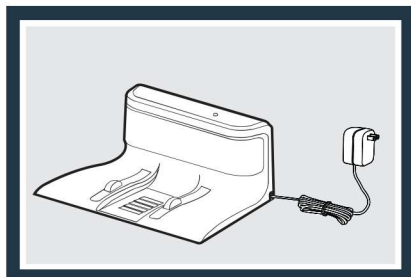


3.Product use

3.1 Quick guidance

1

- Put the charging base closely against the wall, plug the adapter and connect it to power source.
- Make sure that no any obstacles stand within 2.0m on front and 1.0m on left and right of charging base , avoid direct sunlight, as well as no objects like mirror which could reflect light there.



*** Note:**

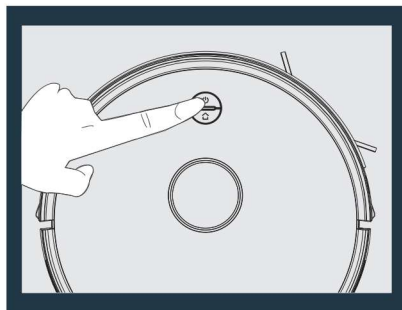
When charging based is powered on, the power indicator on the top of charging base will be on.

2 Turn on/off robot

- Turn on robot : Long press Auto button for 3 seconds when robot is in off status.
Turn off robot : Long press Auto button for 5 seconds when robot is in on status.

* When the robot finishes working, please do not turn off the robot and make the robot be in charging status for better next working.

* Robot will enter sleeping mode if no operation after 10 minutes when it is in standby mode. Please press AUTO button to awake it for next use.

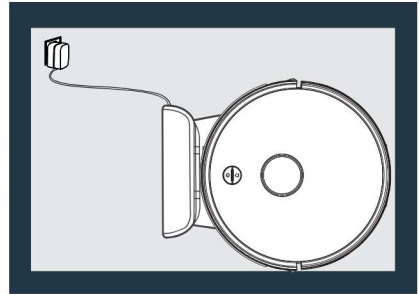


3.Product use

3.1 Quick guidance

3 Charging the robot

- Put robot on the charging base. Please ensure the robot aligns with charging pin of the charging base.
- During charging, AUTO button flashes slowly in orange. After fully charged, indicator lights around AUTO button are off.
- Please charge the robot for 6 hours before first use.



* Warm notice:

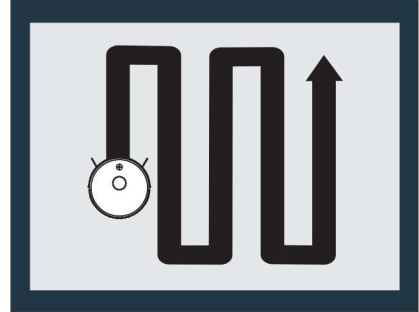
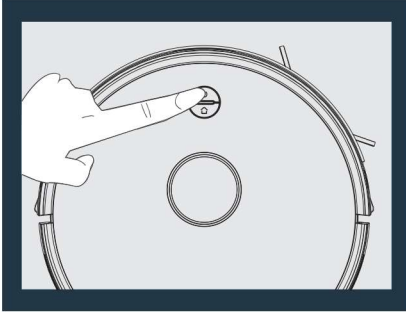
1. During daily use, please make sure charging pins on robot and charging base are clean. Otherwise it will affect charging.
2. During daily use, please put the robot on the charging base, and ensure that the charging base connects to power source (robot will turn on automatically when it is put on charging base).
3. If the robot will not be used for a long time, please charge it fully, and long press AUTO button for 5 seconds to turn off the robot, and stock it in a place where is dry and airy.

3.Product use

3.1 Quick guidance

4 Start cleaning

- When robot is in standby mode, press Auto button on robot and robot will start cleaning.



* Before starting the robot, please ensure that AUTO and HOME buttons both are flashing slowly in green, which means robot is in standby mode. If there are no green lights flashing around both buttons, please press AUTO button to awake the robot first.

* If other cleaning modes are in need, please operate on APP.

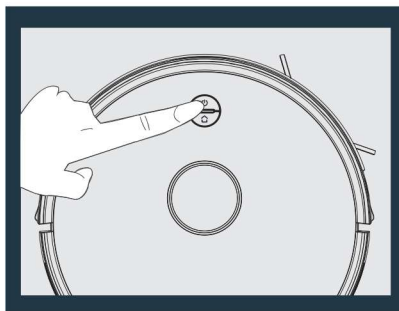
* Robot plans a cleaning path autonomously during a cleaning cycle. If robot is moved manually or manipulated by the APP (except for pausing), it will plan a new path and may repeat the areas that have been cleaned before. In order to keep its working efficiency, please do not manipulate the robot randomly. (If robot is lifted up, it will alarm and stop cleaning. Please press AUTO button or operate on APP to restart cleaning.)

3.Product use

3.1Quick guidance

5 Pause

- In cleaning progress, pressing Auto button on robot or standby button on APP will make robot pause.



* Warm notice:

1. If robot has been paused for more than 10 mins, it will enter sleeping mode automatically. Please press AUTO button on robot to awake it first and then press again to start cleaning.

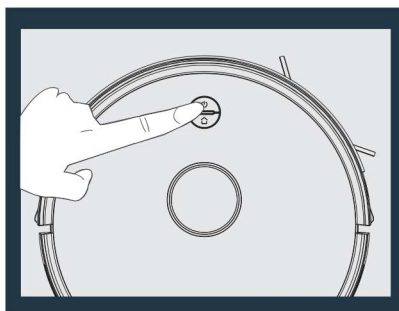
2. Robot will replan its working path after being awaked, and it will repeat the areas that it cleans before sleeping.

Remark: If robot is awaked from sleeping mode and restarts for cleaning, this is a new cleaning cycle, different from the cleaning cycle executed by the robot before it enters sleeping mode.

Remark : If the robot is in sleep mode, you could wake it up first and start, however its later cleaning is completely new scheduled and its path can't exactly link up to the last cleaning rounding.

6 Sleeping mode

- If no operation on robot when it is in standby mode, it will enter sleeping mode automatically.



3.Product use

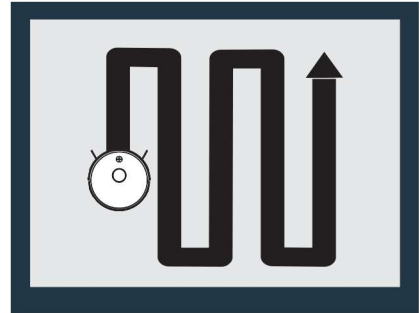
3.2 Mode selection

- To adapt to different floor conditions, and realize deep cleaning, this robot is designed with multiple cleaning modes. Users can switch between different modes on APP.

1

Auto cleaning mode

- The most frequently used cleaning mode. Robot plans a path and cleaning along a zigzag pattern. During cleaning, robot will detect automatically and clean the areas that have been missed.



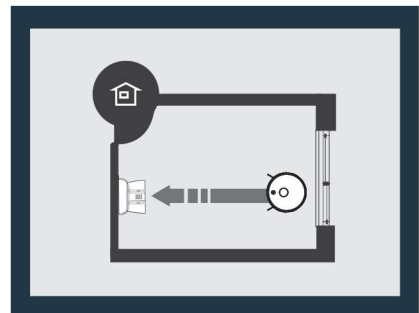
- * The robot goes in accordance with the planned path automatically during the working process. If it is manually moved, the robot will re-plan the path that some areas which have already been cleaned may be re-cleaned.

To ensure the working efficiency of the robot, please do not move the machine manually in casual. (If the machine is lifted, it will alarm and stop cleaning, you need to press the AUTO button or operate the APP to restart cleaning.)

2

Auto charge

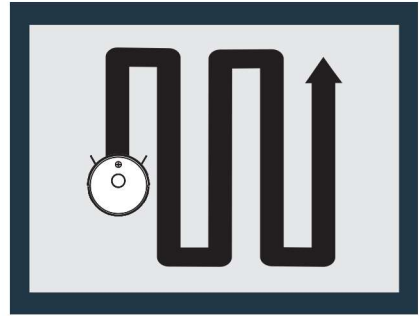
- When battery runs low during a cleaning cycle, robot will automatically activate Auto charge function - searching and returning to dust collection station for recharge.



3.Product use

3.2 Mode selection

- 3 Area cleaning
 - To enter into point cleaning mode, Click one spot on the map, robot will go to that spot and start cleaning a 1.5mx1.5m area centering that spot.



3.Product use

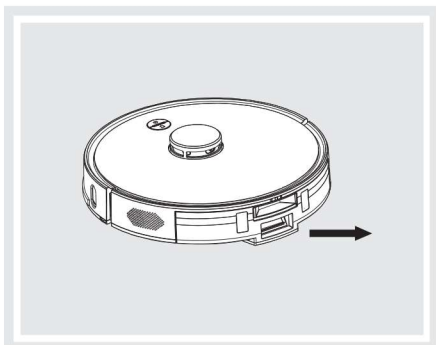
3.3 Water tank and wet mopping

- This robot contains water tank and mop holder. If there is wet mopping need, fill in the water tank and install the mop holder, select wet mopping only or vacuuming and mopping simultaneously on the APP.

* Warm Notice:

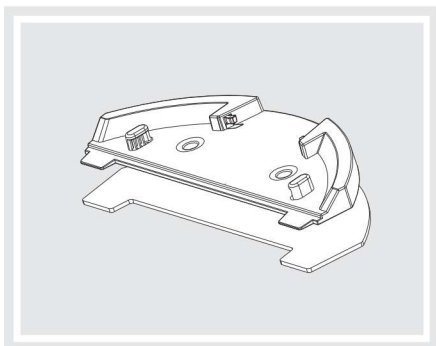
- 1.Mop holder must be installed on robot for wet mopping, otherwise there will be no water leakage.
- 2.Please do not use mop holder on carpet.
- 3.Please pay attention during wet mopping in case that water runs out.
- 4.Please remove mop holder when charging.

1 Take out the 2-in-1 tank



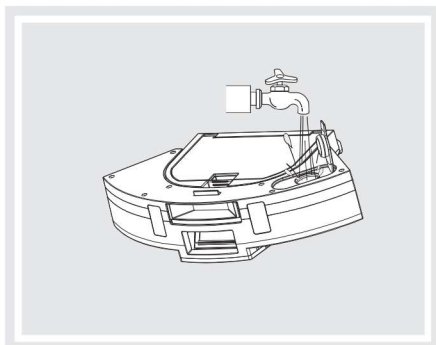
Press the releasing button to take out the tank.

3 Stick a mop pad on mop holder



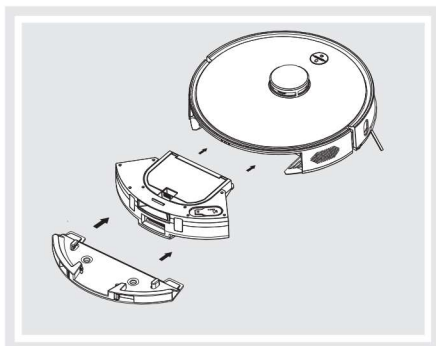
Stick mop pad

2 Add water



Open the water tank lid, fill water inside and then close well the water tank lid.

4 Install the mop holder on robot

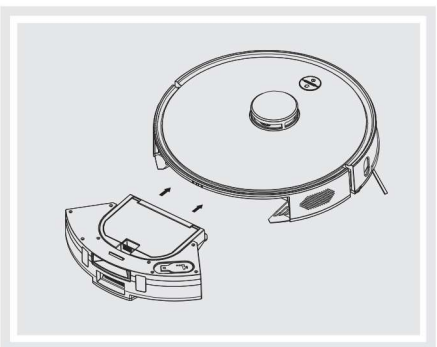
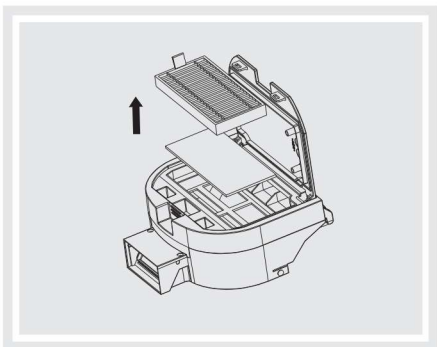
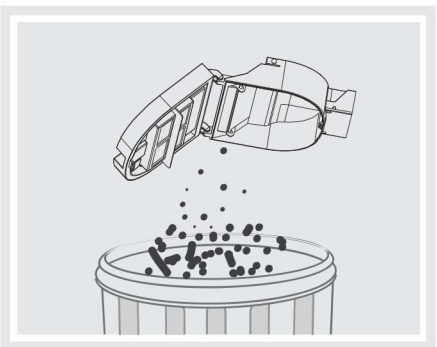
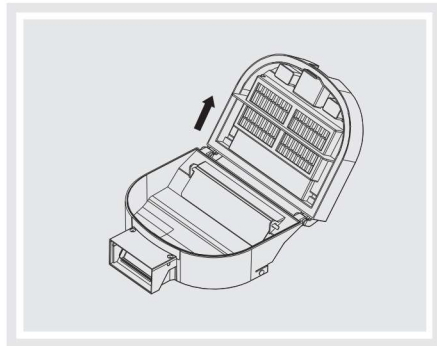
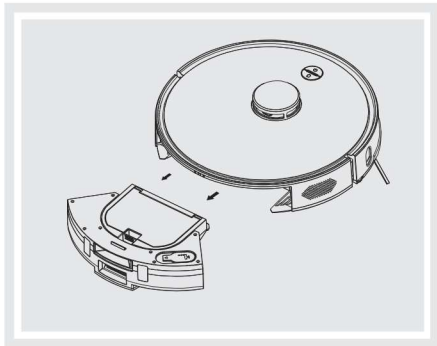


Slide forward, align with the buckle. A 'click' sound will be heard if the mop holder is well installed.

4.Repairing and maintaining

4.1 Clean dust bin and high performance filter

- When cleaning the robot or its spare parts, please turn off the robot first, and the robot should not be in charging.



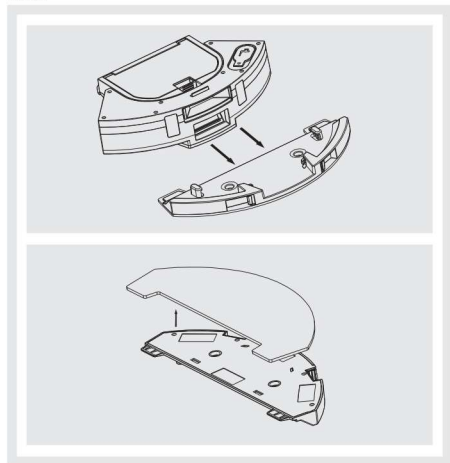
- 1. Take out the 2-in-1 tank out of the robot. Check the suction port if there is anything stuck in it. Clean suction port if needed.
Open the dustbin, pour out dust inside. Take out the high performance filter and foam filter. Tap filters slightly to remove dust inside the filters. Do not squeeze filters in case of deformation.
2. Install back the filters and put

4.Repairing and maintaining

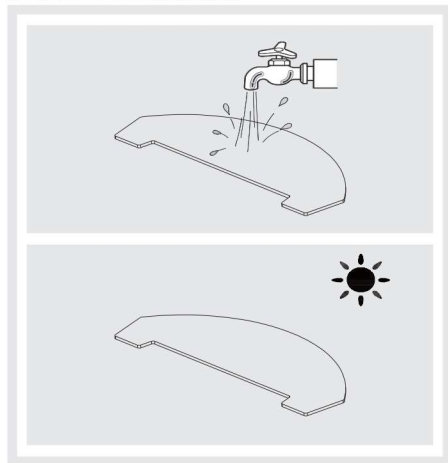
4.2 Maintenance water tank and mop holder filter

- Clean mop holder and mop

Please take off the mop holder after each use.

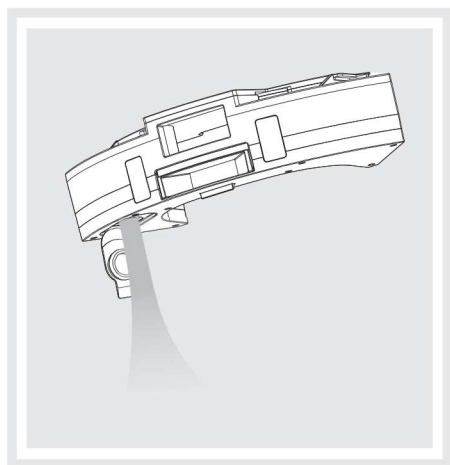


Wash the mop and mop holder, air dry it before re-installation.

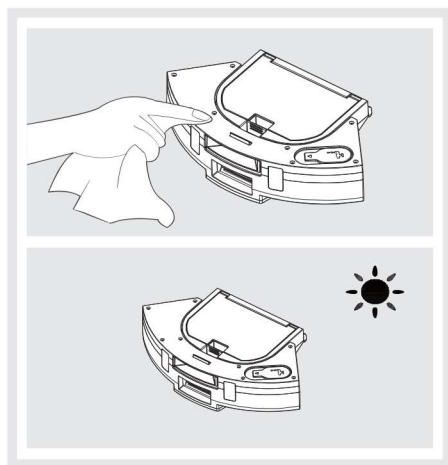


- Clean the 2-in-1 tank

Please pour out the remaining water



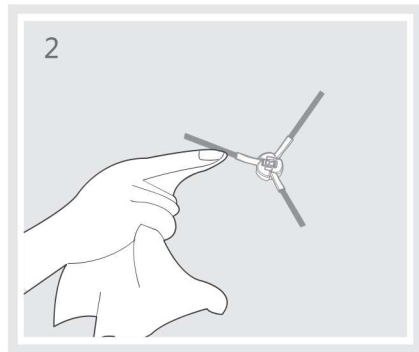
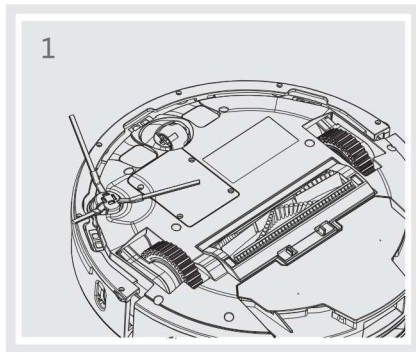
Wipe the tank and air dry it before re-installation.



4.Repairing and maintaining

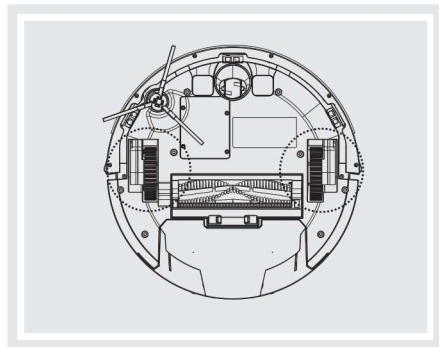
4.3 Check and clean side brush filter

- Please turn off the robot, take the side brush off from robot and remove the foreign objects on it such as hair, sweep the brush with clean cloth.



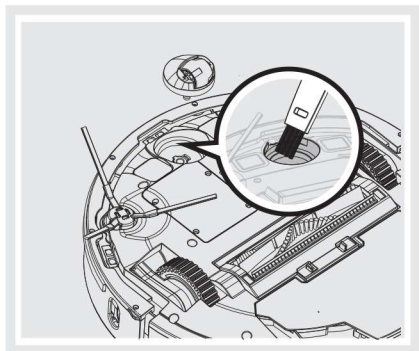
4.4Check side wheel

- Please turn off the robot and remove the objects stuck on wheel.

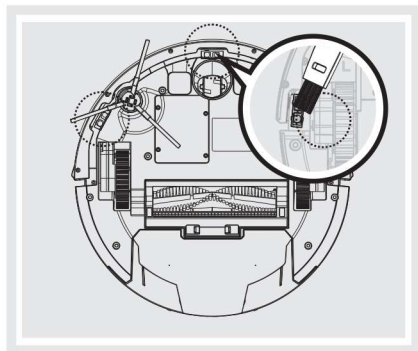


4.Repairing and maintaining

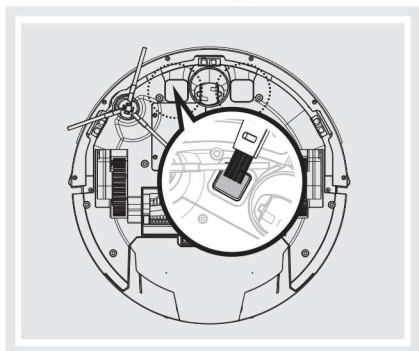
4.5 Other parts



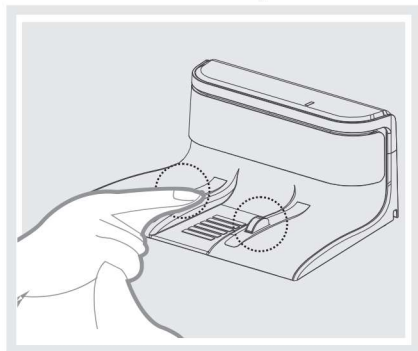
Please clean the nose wheel regularly to reduce hair entanglement.



Please clean the cliff sensors regularly to ensure its sensitivity.



Please clean the charging pins regularly. Please use the dry cloth to clean the charging pins and the bottom cover of the robot respectively.

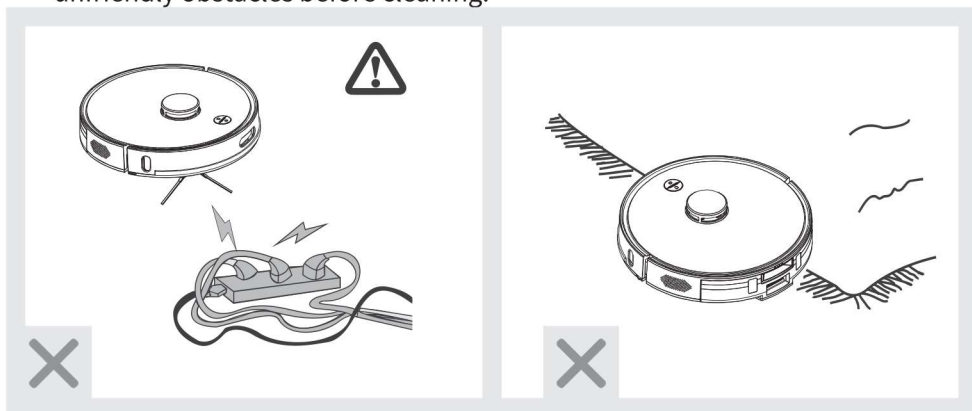


- * When robot is deeply discharged or not used for a long time, the battery capacity may decrease, and activation is recommended. Way to activate the battery: Put the robot on charging base to charge for 3 minutes and then remove it. Repeat this operation for 3 times, then charge the robot for 5-6 hours.
- * The battery equipped is rechargeable and has long-time life span, there is no need to replace it frequently. If there is a need, please contact the after sale service to change the battery.

4.Repairing and maintaining

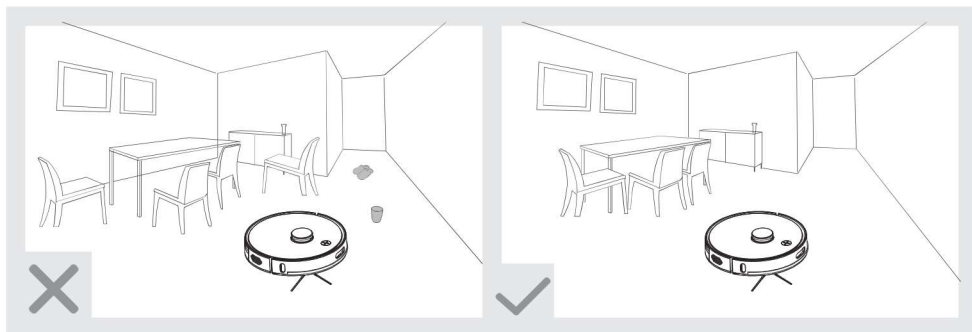
4.6 Special notes

- Due to the complexity of the home environment, robot may experience missed cleaning during cleaning. In order to achieve better cleaning results, it is suggested to use the robot daily and eliminate some unfriendly obstacles before cleaning.



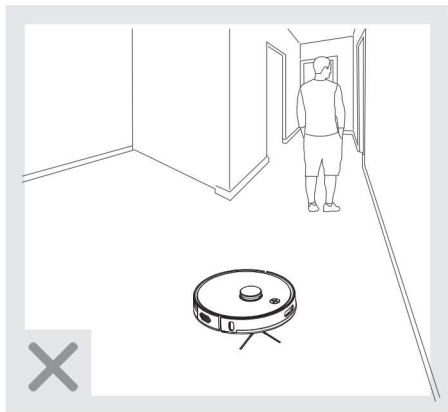
The power supply cord lay on floor may entangle the robot. Please move it before cleaning.

Please roll up the edge in advance if there is carpet.

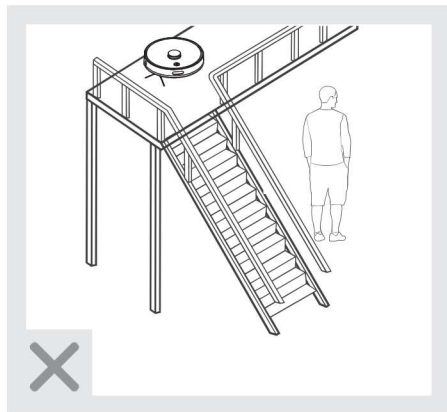


To avoid robot being stuck, please put furnitures,like chairs, desk, in order in advance.

4.Repairing and maintaining



Please do not stand on narrow place such passage or door threshold, which will cause missing cleaning.



When robot cleans near the stair, please do not stay under the stair in case that robot or something else accidentally drops down.

5.Trouble shooting

Error code list

- When failure occurs, robot will prompt and lights around AUTO button flash in red.

NO	Voice content	Failure	Solution
01	Please check cliff sensors.	Cliff sensors failure	Check and clean cliff sensors
02	Robot is stuck.	Robot is stuck in a narrow space.	Please move robot to a bigger area

* Warm notice:

If the solution mentioned above doesn't work, please operate as below:

- 1.long press Auto button on robot for 5s to turn off the robot, and long press for 3s to restart robot.
- 2.If restarting doesn't work either, please return the robot to after sale center for further checking.

Declaration of conformity:

This product fulfills the requirements of the applicable European and national directives. This is confirmed by the CE mark. The relevant declaration are held by the manufacturer.

Replace accessories regularly

Accessories	Maintain	Replacement
Dust bin	Each time	/
Filter	Once a week(Pet: twice a week)	3-5 Months
Side brushes	Once a week	Per demands
Charging station	Once a week	/

6.FCC Information

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.

This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

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.

MODIFICATION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

