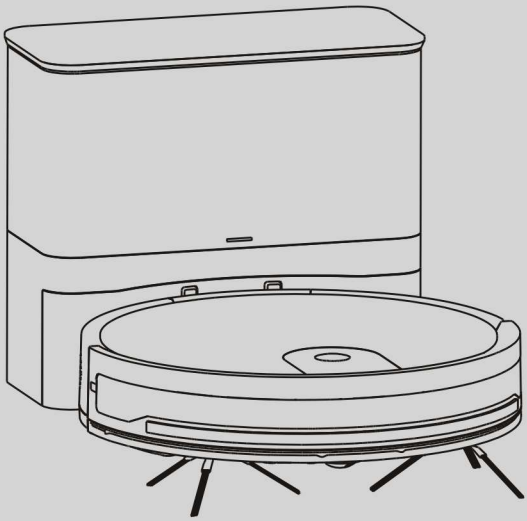

X380S

Robotic Vacuum Cleaner

Instruction Manual

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Safety Instructions

⚠ Warnings

CAUTION: In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

1.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 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.Act promptly if an error occurs during cleaning. Before using the robot, remove all power cords and small objects on the floor Lift carpet fringes and ensure curtains and tablecloths are not in contact with the floor.
3.If there are suspended steps or stairs, please check if the robot can detect them before use. If not, install barriers to prevent falls and ensure the obstacles do not cause harm to individuals.
4.Follow the instructions in this user manual. Use only facto-ry-authorized or recommended accessories.
5.Ensure the dust collector station voltage is compatible with the power supply voltage.
6.Use the robot indoors and in a household environment only. Do not use it outdoors or in commercial or industrial spaces.
7.Use only factory-authorized adapter and dust collector station. Do not use non-rechargeable batteries. Refer to the "Product Specifications" section for battery standards details.
8.Do not immerse the robot in water or rinse it under the tap.
9.Do not clean the robot with a dripping wet cloth.
10.Do not use the robot on floors with stagnant water.
11.Do not use the robot near fire or fragile objects.
12.Keep cloth, human hair, fingers, or other body parts away from the robot's open or operating mechanism.
13.Do not use the robot on floors with stones or paper to avoid blockages.
14.Do not use the robot in areas with flammable substances such as gasoline. toner, etc.. or to clean burning objects like cigarettes, ashes, matches, or anything that could cause a fire.
15.Do not use damaged dust collector station.
16.Do not lift the robot or dust collector station by the power cord, and keep power cords away from heat and prevent them from getting caught around doors, edges, or corners.

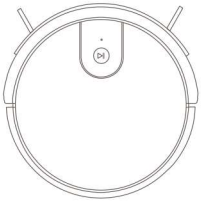
Safety Instructions

17.If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
18.Properly install the dust bin and filters before using the robot.
19.Do not use the robot in rooms where babies sleep.
20.Do not use damaged power cords or dust collector station to charge the robot. Do not use the robot if it's damaged by a fall or soaked in water.
21.Turn off the power switch if the robot is not used for an extended period.
22.Turn off the power switch before cleaning or maintaining the robot.
23.Unplug the power cords from the dust collector station before cleaning or maintaining the robot.
24.Remove the battery before discarding the robot.
25.The local regulations should be followed while discarding the robot and battery.
26.Do not dismantle the robot to avoid an explosion.
27.Follow the instructions in this user manual. The manufacturer is not liable for damages caused by improper use.
28.The appliance is only to be used with the Dust collector station provided with the appliance.
29.Before cleaning or servicing the equipment, the power plug must be removed from the socket.
30.This appliance contains batteries that are only replaceable by skilled persons.
31.WARNING: To recharge the battery, only use the detachable supply unit (model: P200) provided with this appliance.

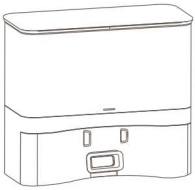
For the battery used on the remote control
1. The battery for the remote control belongs to the AAA/R03 dry battery.
2. Remove the battery: remove the battery lid of the remote control and then take out the battery. Insert the battery: insert the battery into the remote control and close the battery lid.
3. Non-rechargeable batteries are not to be recharged.
4. Different types of batteries or new and used batteries are not to be mixed.
5. Batteries are to be inserted with the correct polarity.
6. Exhausted batteries should be removed from the appliance and safely disposed of.
7. If the appliance is to be stored unused for a long period, the batteries should be removed.
8. The supply terminals are not to be short-circuited.

Product Composition

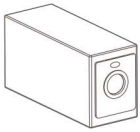
List of accessories



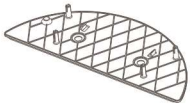
Main body



Dust collector station



Dust bag

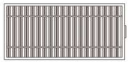


Mopping support

Mop cloth

Extra side brush X2

User manual

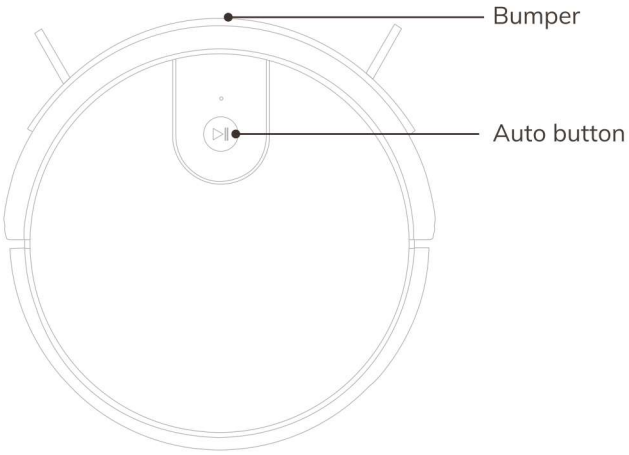


High performance filter

Remote Control

Product Composition

Host introduction

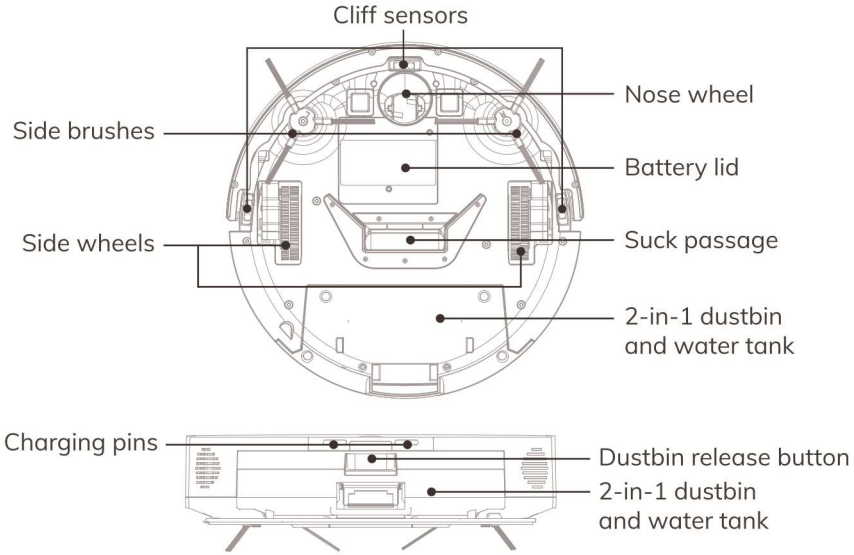


Button	Robot status	Operation	Functional description
Auto Button	Turn off	Press and hold for 2 seconds	Turn on the robot
	Turn on	Press the button once	Start/Stop cleaning
		Press and hold for 3 seconds	Turn off the robot

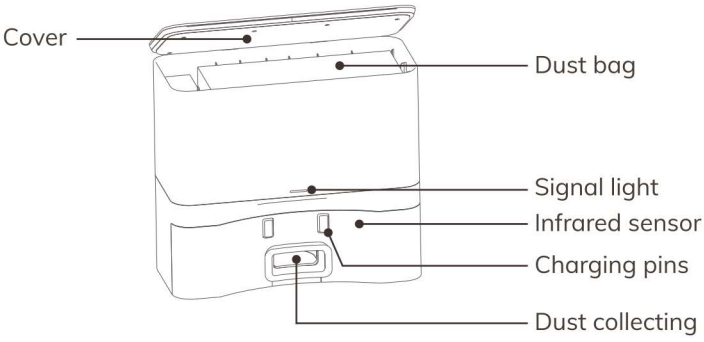
Power indicator	Green	Electricity ≥15%
	Orange	Electricity ≤15%
	Red	Failure or abnormality

Product Composition

Robot anatomy



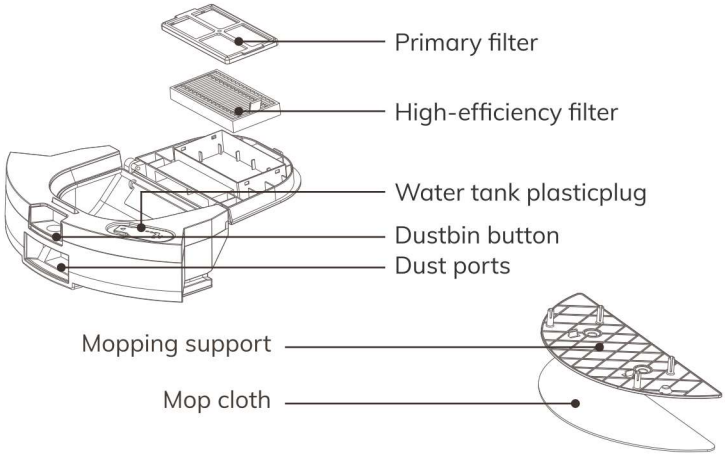
Dust collector station



Product Composition

Power indicator light	Green	Solid on - Robot vacuum fully charged
		Breathing - Dust collector station powered on
	Red	Flashing - Dust bag not installed or lid not closed properly
	Orange	Flashing - Dust collector station starting to collect dust
		Breathing - Charging in progress
		Solid on - Dust bag full or air passage blocked
	Off	Sleep mode

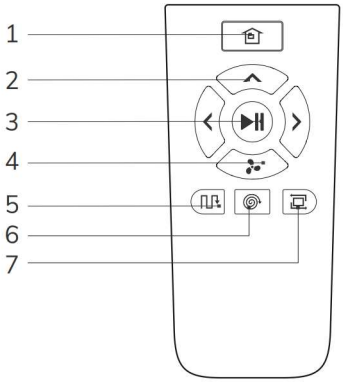
2-in-1 dustbin and water tank



Note:
When the water tank is filled with water, the robot's ability to overcome obstacles and climb hills may be affected.

Product Composition

Remote Control



1.Dust collector station
2.Direction button
3.Start/Pause Classic mode
4.MAX mode
5.Random mode
6. Spot mode
7.Edge mode

Technical parameter

Model	X380S		
Working voltage (V)	14.4V-14.8V	Rate power(w)	40
Dust collector station			
Model	**P200**		
Rate output voltage(v)	19⎓	Rate output current(A)	0.6
Remote control			
	Rate input voltage(v)		3⎓
Battery	**Li-ion 2400mAh(2600mAh battery cell)**		

* Due to the continuous improvement for the products, the product information should be based on real product. We keep the right for product updating.

Product specifications

Main unit

Overall dimension	315x315x79mm
Net weight	2.25kg
Battery	Li-ion 2550 mAh
Rated voltage	14.4V
Charging time	<360mins
Capacity of dustbin	0.2L
Capacity of water tank	0.2L

Self-empty station

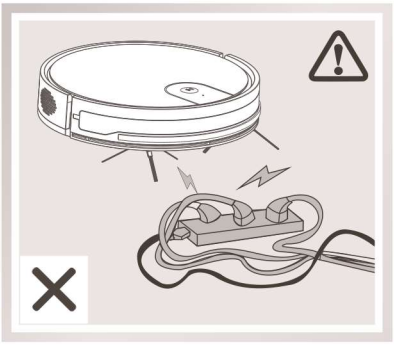
Overall dimension	285x145x253mm
Net weight	2.0kg
Rated Input	220V~60Hz
Rated Output	19V ⎓ 0.6A
Rated power	550W
Dust bag capacity	2.5L

Note:
The company reserves the right of final decision on the interpretation of these terms and conditions.

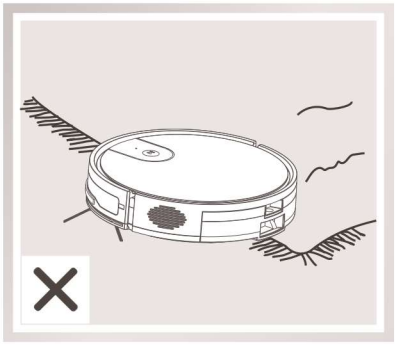
Product Operation

Attentions

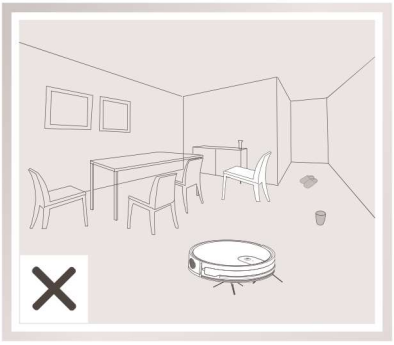
The robot may skip over some areas due to the complexity of the home environment. To achieve the best result, we suggest using it as daily routine and clearing up the obstructions on the floor before starting the robot.



Please move away the power cords and other objects that may tangle the robot before cleaning.



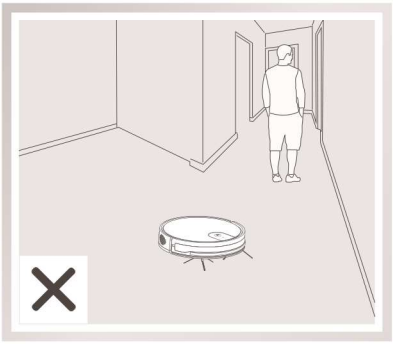
Please fold up the edges of the carpets before cleaning.



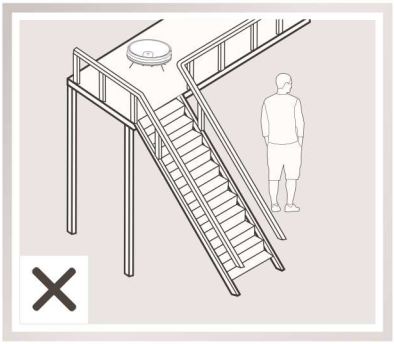
To avoid being stuck during cleaning, please arrange the furniture neatly.

Product Operation

Attentions



Please do not stand at somewhere with narrow space like the door sill or hallway in case of blocking the robot and skipping over some areas.



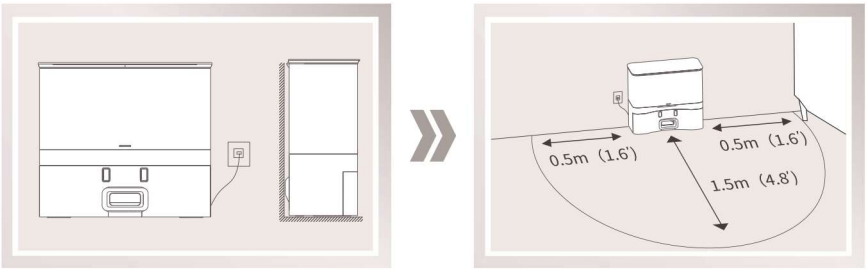
Please do not stand by downstairs when the robot is working upstairs in case of getting injured by any fallen objects.

Product Operation

Quick guide

❶ Dust collector station

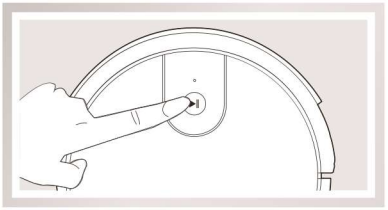
- Place the dust collector station on a hard surface against the wall, plug in the power cord, and turn on the power.
- Ensure there are no obstacles within approximately 1.5 meters in front of and 0.5 meters above the dust collector station infrared signal range. Avoid strong reflective objects like mirrors and direct sunlight.
- Install the dust bag and close the lid. The dust collector station indicator light will breathe, indicating it's in standby mode.



Reminder: After powering on the self-emptying station, the indicator light will stay solid.

❷ Turn on the robot

- Press and hold the AUTO button for 2 seconds to turn on, and press and hold it for 3 seconds to turn off.

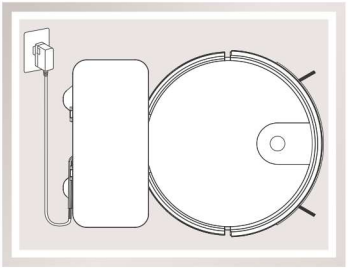


Note:

- After the robot finishes its work, please do not turn it off, and fully recharge it for the next run.
- If the robot pauses working for more than ten minutes, it will enter sleeping mode. If you need to wake up the robot again, you need to press the AUTO button once.

Product Operation

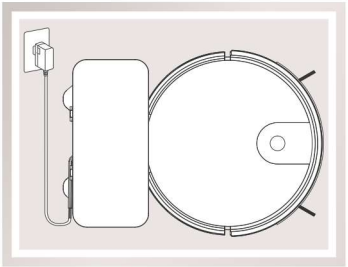
❸ Robot charging



1. Place the robot unit on the dust collector station, aligning it with the charging electrodes.
2. During charging, the AUTO button will breathe orange; after charging is complete, all lights will turn off.
3. Charge for 6 hours for the first time.

Reminder:
1. Please keep the charging pins clean in daily use to ensure a good connection.
2. For daily use, place the robot on the self-emptying station and ensure the self-emptying station is powered on. (Placing it on the self-emptying station will automatically turn it on.)
3. If you won't use the robot for a long time, please fully charge it, turn off the power and keep it in a well-ventilated dry place.

❹ Automatic dust collection by dust collector station



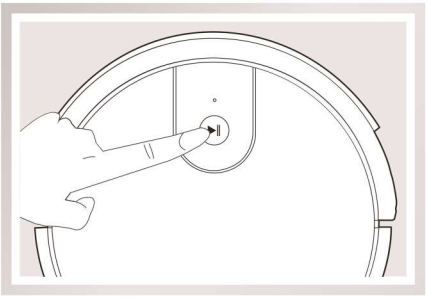
- When the charging contacts of the dust collector station come into contact with the robot vacuum and begin charging, wait for 3 seconds to start the dust collection mode. The fan will run for 15 seconds, and the dust collector station indicator light will flash orange.
- The dust collection will only occur when the robot has cleaned for more than 20 minutes and returned to recharge. (The app can be set to schedule a return to charge and dust collection after running the machine randomly three times, each time for more than 20 minutes.)

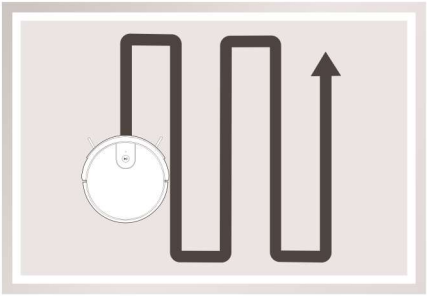
Note:
If the machine has a mop bracket installed, dust collection function will not be executed.

Product Operation

❺ Start cleaning

After waking up the robot, you can press the AUTO button once, and the robot will start the automatic cleaning.



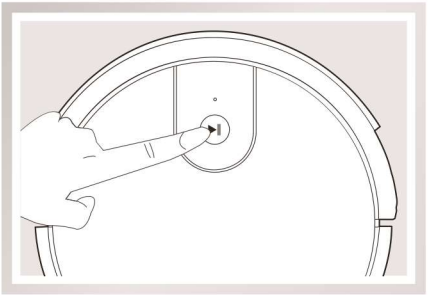


* Before starting cleaning, you need to make sure the indicator light is flashing and the robot is in a wake-up state. If the robot is sleeping, please press the AUTO button once to wake up the robot.
* If you want to choose other modes, please operate on the APP.
* The robot performs path planning autonomously during the working process. If it is manually moved or operated by the APP (except pause), the robot will re-plan the path and may re-clean the cleaned area. To ensure the working efficiency of the robot, please do not manipulate the robot. (If the machine is lifted, it will alarm and stop cleaning, and you need to press the AUTO button or operate the APP to restart cleaning)

Product Operation

6 Pause

When the robot is working, you can pause the robot by pressing the robot's AUTO button or the "standby" button in the APP.



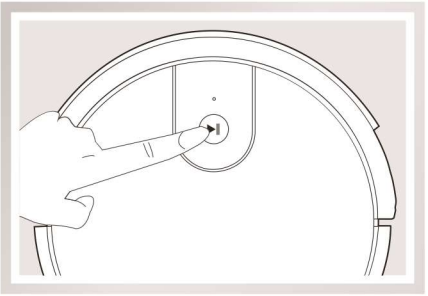
Reminder:

1. The Robot will automatically enter the Sleep Mode if no action is taken for 10 minutes. If you want to start the robot again, please press the AUTO button once to wake up the robot.
2. The robot will work out a new cleaning path, and will clean the areas again which have been cleaned before.

Note: After the sleeping robot in pause mode is woken up again, it needs to be restarted to start cleaning, and the robot will not resume the last unfinished cleaning.

7 Sleep mode

- The Robot will automatically enter the Sleep Mode if no action is taken for 10 minutes.



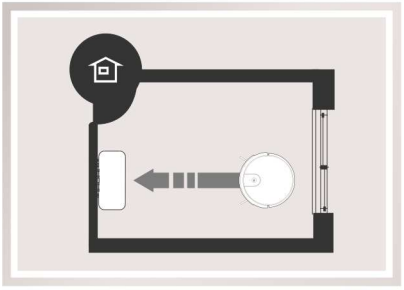
Product Operation

Select cleaning modes

This product can set a variety of cleaning modes through the APP to adapt to different ground conditions and achieve deep cleaning.

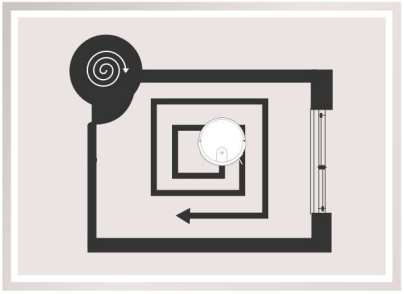
1 Auto charge

The robot can sense lower power during the cleaning process and automatically activate Self-charge Mode and search for the dust collector.



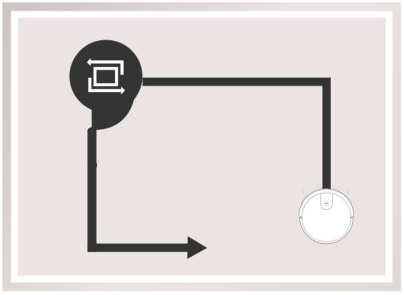
2 Spot mode

This mode is suitable for the ground environment where garbage is more concentrated. In this mode, the robot can carry out concentrated cleaning in a "spiral" route in a designated area.



3 Edge Mode

This mode is mainly for cleaning indoor corners. In this mode, this robot can clean along the edge of fixed objects (such as walls).



Product Operation

Remote Control Operation

❶ Clean/Pause Button

- Press the button to switch the robot from Sleep mode to select mode
- Press the button when in Select Mode to start cleaning.
- Press the button to Pause the robot during its operation.

❷ Direction Buttons

A " " **Forward**

- Press the button to move the robot forward.
  Attention: The Forward button doesn't work during the operation of the robot.

B " " **Left** Press the button and the robot will turn left.

C " " **Right** Press the button and the robot will turn right.

❸ Self-charge Button

Press the button and the robot will return to the dust collector station for recharging.

❹ Max mode

In working mode, press this button to switch between four suction power modes: mute, auto, MAX, and SPOT.
In wet mopping mode, this button cannot switch the suction power, but can be converted into a function key to adjust the water volume in three levels: high, medium and low.

❺ Random cleaning

Press this button to start cleaning under random mode.
Press it will be paused, press the second time, it will switch to auto planning cleaning mode.

❻ Spot mode

Press the button to start the point cleaning.

Product Operation

❼ Edge Cleaning Button

Press the button to start edge cleaning.

Reminder :

* Please install two AAA/R03 batteries befor e using the remote control
* Please take out the batteries if the remote control won't be used for a long time

Product Operation

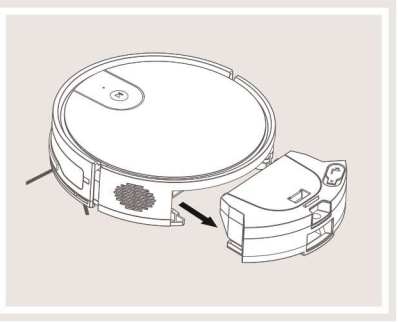
Water tank operation

The water tank with a mopping cloth is installed into the device. Please kindly add water to the water tank before mopping. It is recommended to vacuum the floor before mopping. For daily maintenance, please check out the tips on the corresponding chapter in this manual.

Note:
1. Please do not use water tank components on the carpet .
2. Please pay attention during the mopping mode, timely add water or clean the mopping pad. The water tank needs to be removed when adding water.
3. Be sure to remove the water tank components when charging.

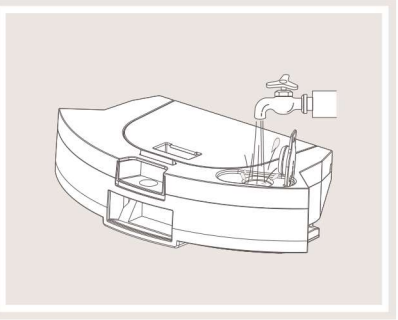
❶ Remove the water tank components

Slide back to remove the water tank components.



❷ Add water

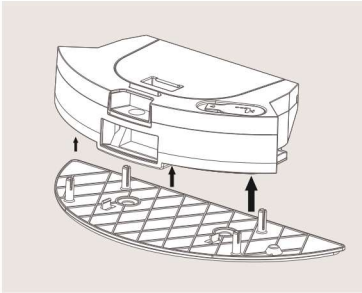
Open the water injection cap and fill it with water. Tightly close the cap once finish water injecting.



Product Operation

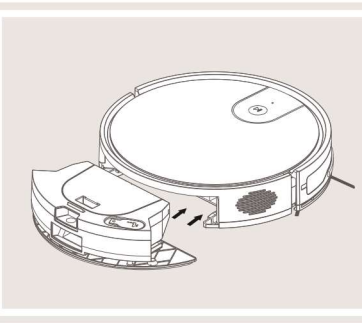
❸ Place the mopping support

Paste a mopping support.



❹ Install water tank components

Slide it forward, align it with the clip, and when you hear a "click" sound, it is installed in place, and then you can press the sweep button to automatically execute the corresponding mopping mode.



APP Download

Your robot can be controlled remotely by a mobile APP. Please search robot APP name OR TUYA SMART from APP Store or Google Play and download the APP.

Way to Connect robot to WIFI

1. Make sure the phone has been connected to the indoor Wi-Fi network with good signal.
2. Register an account in the APP and log in.
3. Turn off and turn on the robot once before pairing to Wi-Fi.

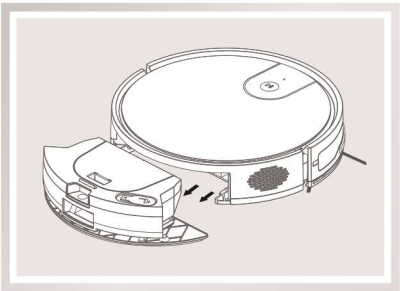
Way to Share robot with other users

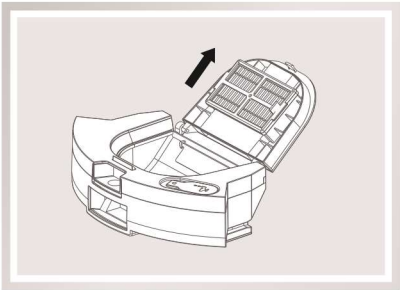
There are two ways to use the shared robot vacuum cleaner on multiple mobile phones on the APP:
1. Download the APP, create an account and password, and share this account and password with others to use
2. After downloading the APP, the administrator account can choose to share the device with others in the APP, and the others will register an account and password with their own information in the downloaded APP, and log in to use it. Each account is independent.

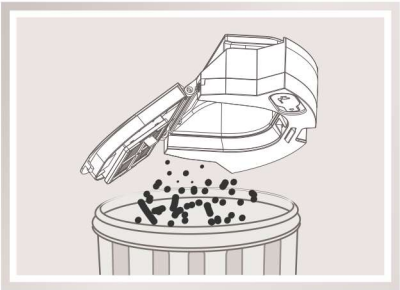
Maintenance

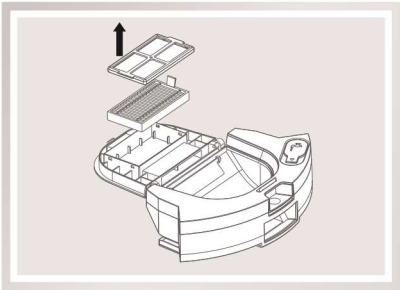
Clean up dustbin and filters

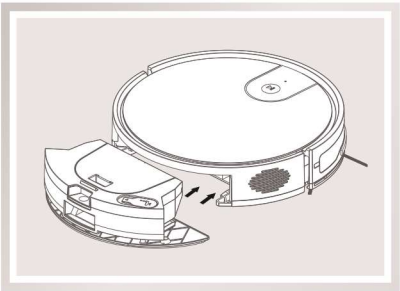
* Please turn off the robot before cleaning any spare parts, and remember to cut off the power.









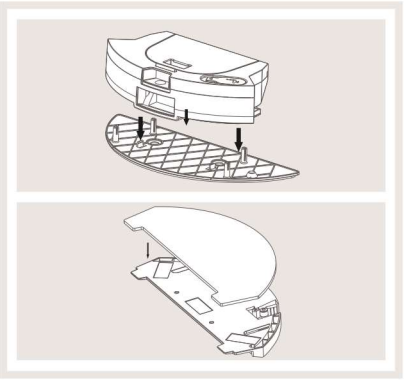


1. Open the cover, take out the dustbin and high-performance filter, and press the button on the dustbin to release all dust, then wipe clean the dustbin.
2. Take out the high-performance filter. Slightly tap it to empty the trash in it.

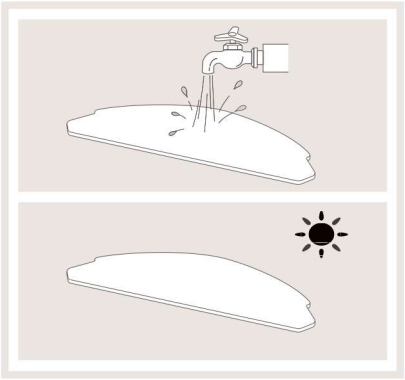
Maintenance

Cleaning of water tank components

❶ Clean the mop cloth

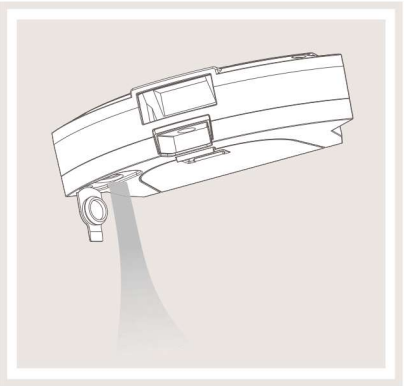


Remove: after mopping, please remove the water tank components and the mop cloth.

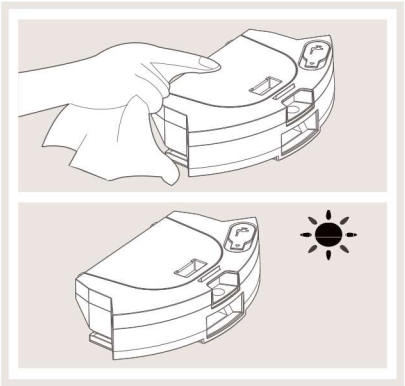


Maintenance: rinse and air dry the mop cloth.

❷ Clean the water tank



Remove: after mopping, remove the mop cloth and the components, drain the remaining water in the water tank.

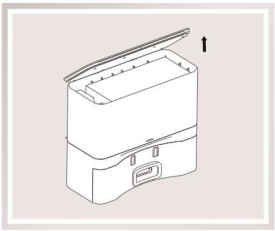


Maintenance: dry the water tank by hand and then air dry it.

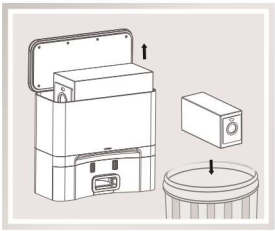
Maintenance

Replacing the dust bag

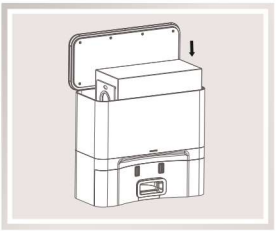
Open the top cover of the dust collector station, remove the dust bag, dispose of it in the trash, take out a new dust bag, check for any damage, place it in the dust bag slot, and cover it with the lid.



Open the top cover of the dust collector station.



Remove the dust bag and discard it.



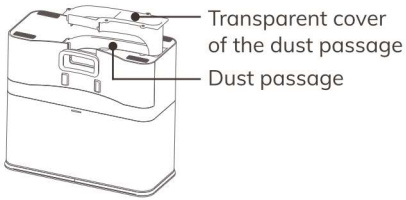
Replace with a new dust bag and cover the top of the station.

Attention:

* The dust bag must be installed in the correct orientation as shown in the figure above, which means the small hole in the dust bag is installed upwards.
* Damaged dust bags may cause damage to the dust collector station. Before use, check if the dust bag is intact.
* Dust bags are disposable consumables with a usage cycle of about one and a half months. Please check and replace them regularly to avoid damage caused by prolonged use.
* If dirt accumulates in the dust bag compartment of the dust collector station, it is recommended to clean it regularly to ensure the filter is free of foreign objects. avoiding blockage of the fan inlet and affecting performance.

Cleaning the dust passage

If any foreign objects are found blocking the passage, unplug the power plug, turn over the dust collector station, and refer to the diagram below. Use a screwdriver to remove the transparent cover of the dust passage and clean out the foreign objects.

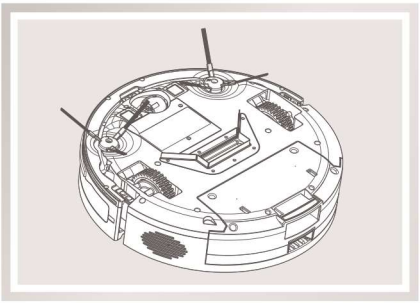


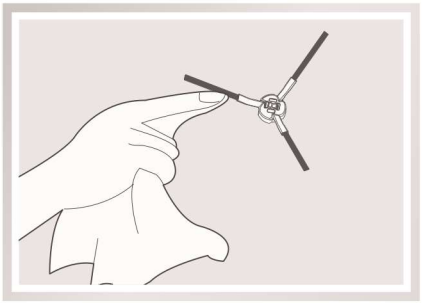
* Do not disassemble violently. After cleaning, reinstall it as it was.

Maintenance

Clean up the side brushes

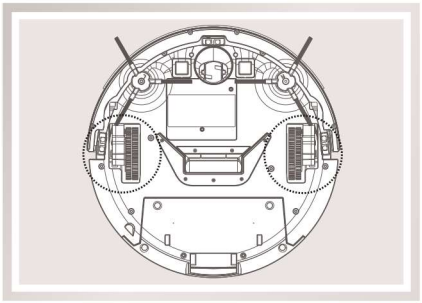
- Remove side brushes. Wipe clean with a clean cloth.
- When replacing the side brush, please distinguish the corresponding installation position of the "L" "R" side brush.





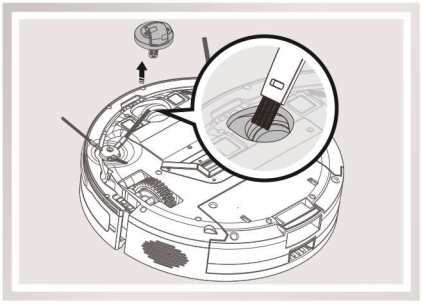
Check side wheels

When a buzzer sounds,
turn off the power, and then clear
any objects blocking the side wheels.



Other spare parts

Please turn off the robot first,
then pull out the nose wheel vertically,
clean off the hair and foreign objects
tangled in the nose wheel, and wipe
it with a clean cleaning cloth.



Troubleshooting

Error codes

The robot will remind you by beeping when it is malfunctioning.

- Short tones

NO.	Tone	Possible Cause	What to do
01	•	Wheels or side brushes or fan problems.	check and clean wheels, side brushes, and fans.
02	• •	OBS or bumper sensor or cliff sensor failure.	Check the bumper and OBS, and clean cliff sensor.
03	• • •	Robot gets stuck.	Move the robot.
04	• • • •	Gyro failure.	Move the robot.

Note:
If the solutions above don't resolve the issue, please try the following:

1. First, press and hold the AUTO button for 3 seconds to turn off the robot , then press and hold the AUTO button for 2 seconds to turn on the robot.
2. If restarting the robot still does not solve the problem, please send the machine to the after-sales center for repair.

FCC Information

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

2.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.

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