

Robotic Vacuum Cleaner

DK-700

User Manual

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1.Important Safety Instructions:

Read all instructions before operating Robot Save these instructions for future reference.

- If you have special objects that could potentially be damaged by the bumping, remove these objects from the floor.
 - Do not let kids sit or stand on Robot.Children and pets should be supervised when Robot is operating.
 - Do not make Robot for outdoor use.
 - Do not clean wet messes with your Robot.
 - Do not use Robot to pick up spills of water bleach,paint,and other chemicals.
 - Do not keep Robot at a freezing temperatures.
 - Do not use Robot to pick up flammable or combustibile materials such as gasoline, printer, etc.
 - Ensure that Robot cannot get caught on clothing,socks,pull cords for blinds or curtains,power cords,etc.
 - If the power cord is damaged,do not use any other power supply cord.For replacement cords, please contact Customer Service Team.
 - Only charge the following batterie: maximum 14 .4V. 2600mAh Lithium-ion battery.Other type of batteries may burst causing injury.Always contact Customer Service Center for the correct replacement of battery.
 - Always remove the battery from Robot and accessories before long-term storage or transportation.
 - The battery must be removed before Robot is disposed.Remove Robot's two Battery Door's screws, and then remove the battery by disconnecting the quick connector.
 - Contact your local waste management authority for battery recycling and disposal regulations in your area.
-  **WARNING Chemical Exposure:** If the battery pack is leaking, do not allow the liquid to come in contact with skin or eyes.If contact has been made,wash the affected area with copious amounts of water and seek medical advice.Place the battery (the used battery pack included when the robot will be disposed) in a sealed plastic bag and dispose of safely according to local environmental regulation.
-  **WARNING Fire or Explosion Hazard:** Do not crush or dismantle battery packs. Do not heat or place the battery pack near any heat source or direct sunlight.Do not incinerate or short-circuit the battery pack.Do not subject batteries to mechanical shock.

Battery and Charging / Information

Lithium-ion Battery

Important: Lithium-ion batteries and products that contain Lithium-ion are subject to stringent transportation regulations. If you need to ship this product (with the battery included) for service,travel or any other reason, you **MUST** comply with the following shipping instructions:

- Remove the Lithium-ion battery from the product.
- Place a piece of tape over the battery's metal charging contacts.
- Reinstall the battery (with the tape on it) in the product and secure the battery door.
- Package the product in its original packaging or in your own packaging that prevents any movement during transportation.
- Ship via ground transportation only (no air shipping).

Battery Storage

- If storing Robot off the Charging Dock, remove the battery firstly. Then store Robot and the battery in a cool, dry place.

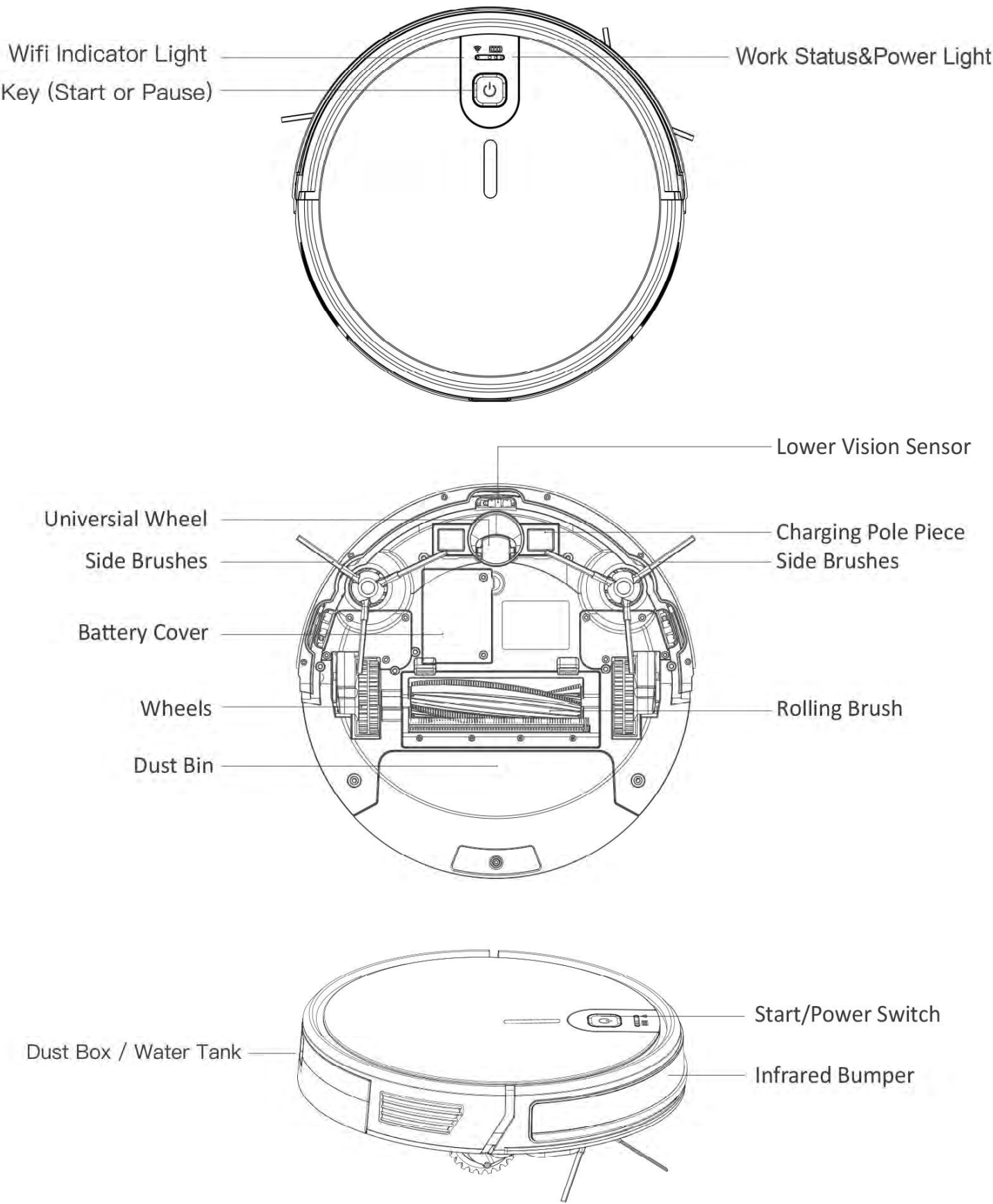


The symbol on the product or its packaging indicates:

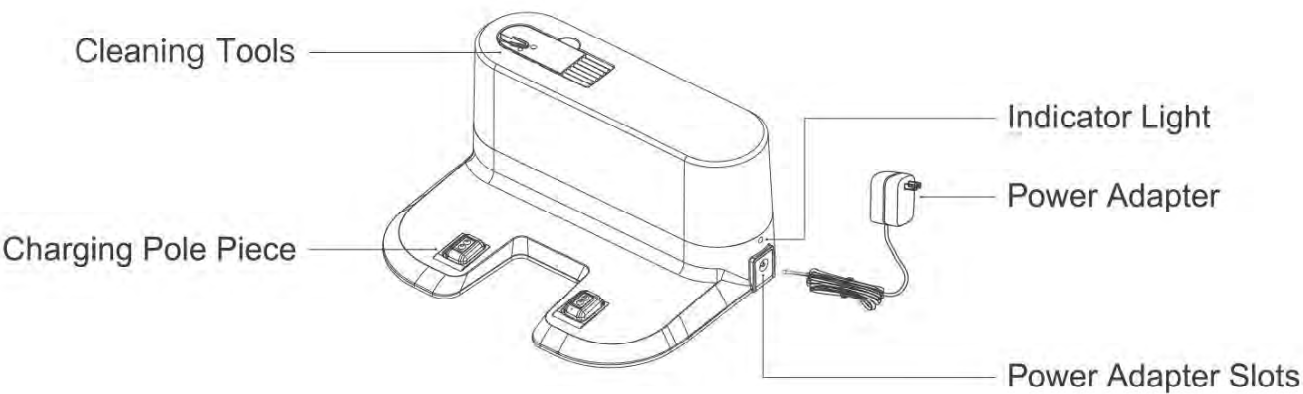
Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local authority for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps hazardous substances can leak into the groundwater and get into the food Chain, damaging your health and well-being. Please contact your local or regional waste authority for more information on collection, reuse and recycling programs.

2.About Your Robot

2.1 Robot

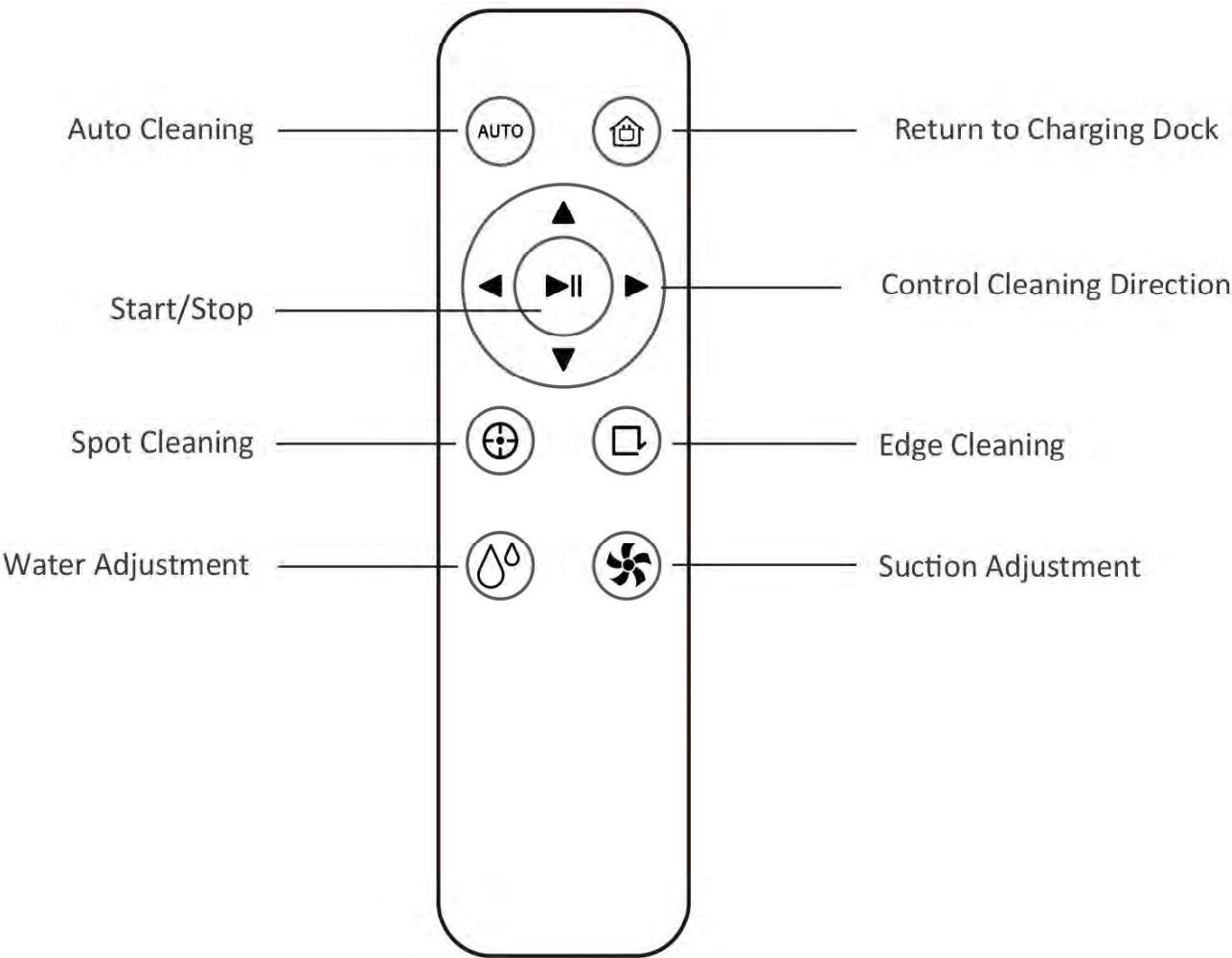


2.2 Charing Duck /Adapter



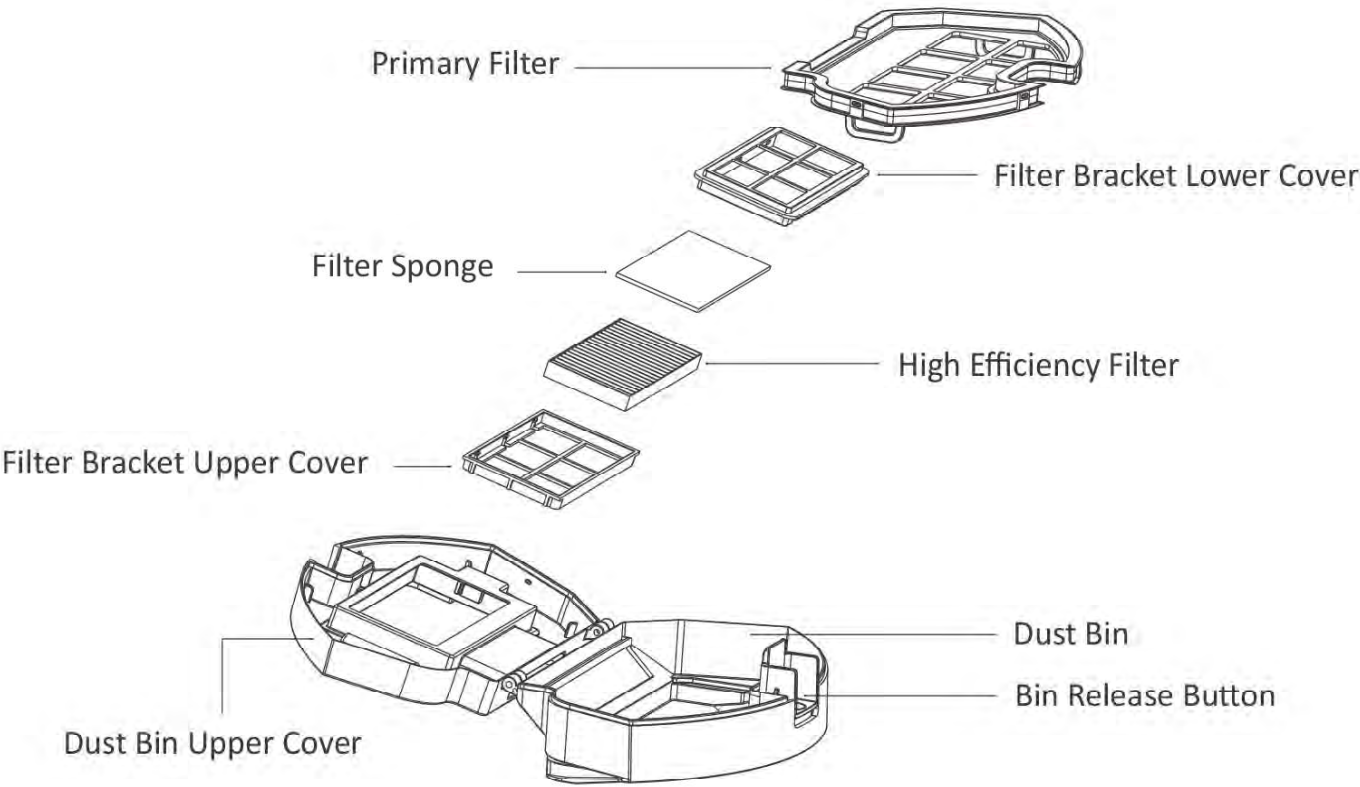
2.3 Remote Control

Notice: Please press “Stop” button before changing to another cleaning mode.

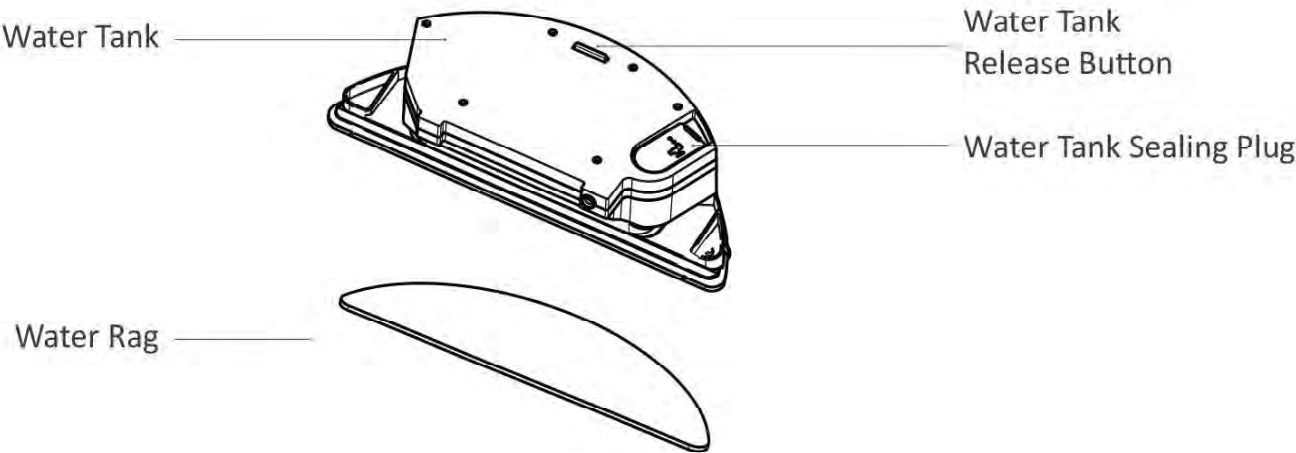


Install 2 AAA batteries before using the Remote Control for the first time. Ensure the positive and negative ends are facing the correct polarity direction as marked in the battery compartment. Please aim the Remote Control directly at the Robot within 5m/16ft when pressing.



2.4 Dust Bin



2.5 Water Permeable Rag Assembly



2.6 Technical Parameters

Model: Q700	
Working Voltage: 14.4V 	Power Rating: 25W
Charging Dock	
Rated Input Voltage: 19V 	Rated Output Current: 0.6A
Battery	
Lithium Battery 2600mAh	

3.Using the Robot

3.1 Important Tips before operation



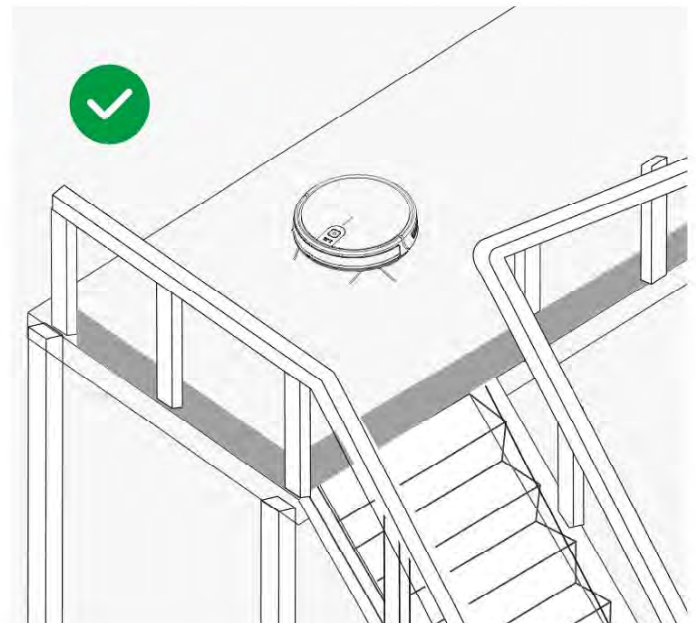
Please remove power cords and small objects that may entangle the robot from the floor.



The robot is not suitable for long-pile carpet. If the carpet has tassels, please roll up them before usage.



The robot only can go through the place which is higher than 3 inches/ 8 cm. If necessary, place a barricade to block off the area or elevate the appliance.

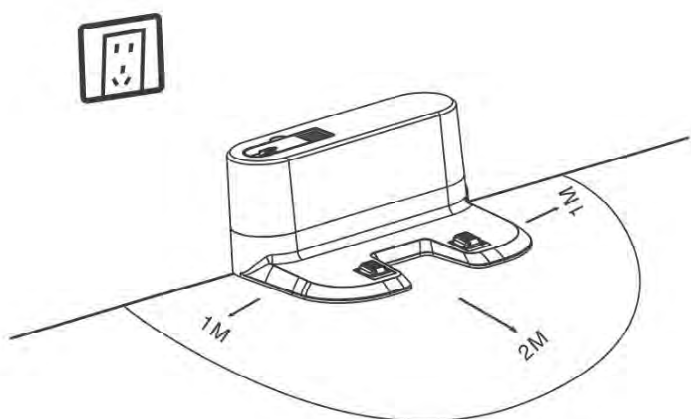


Anti-fall sensors can prevent robot from falling down stairs. But it may work less effectively if sensor is dirty or work on reflective or very dark floor. It is recommended to place a boundary strip to block off.

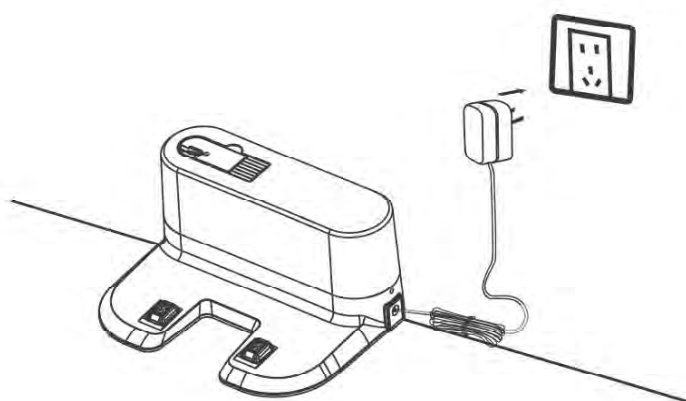
3.2 Preparations

Connect the adapter to charging dock

Place the charging dock on a hard level surface and against the wall. Ensure the place is an open area leaving at least 6ft/2m in the front and 3ft/1m on both sides. Please do not put reflective objects nearby like mirrors.



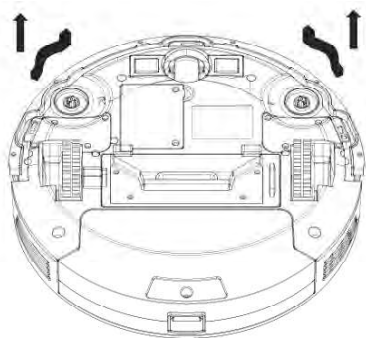
Place the charging dock



Connect the power supply

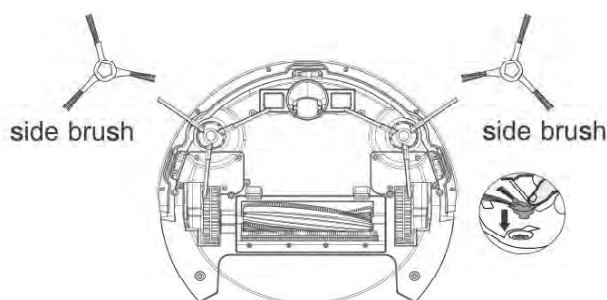
Take out protective items

Before usage, please take out the EVA cotton strips and tear out the protective film on the bumper.



Install side brushes

Please install the side brushes by pressing them into each slot until you hear the a “click”.



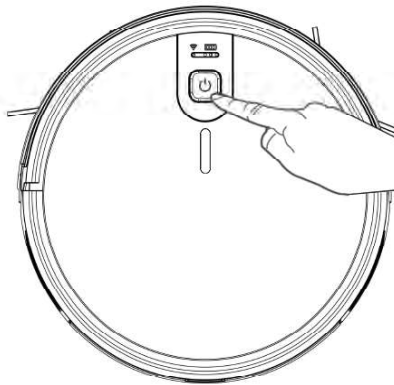
3.3 Product Operation

Power on/off the robot

Long press  for 3s to power on the robot.

Long press  for 3s to power off the robot.

After finishing work, please do not turn off the robot. Please keep it in charging mode so as to provide convenience for next usage.



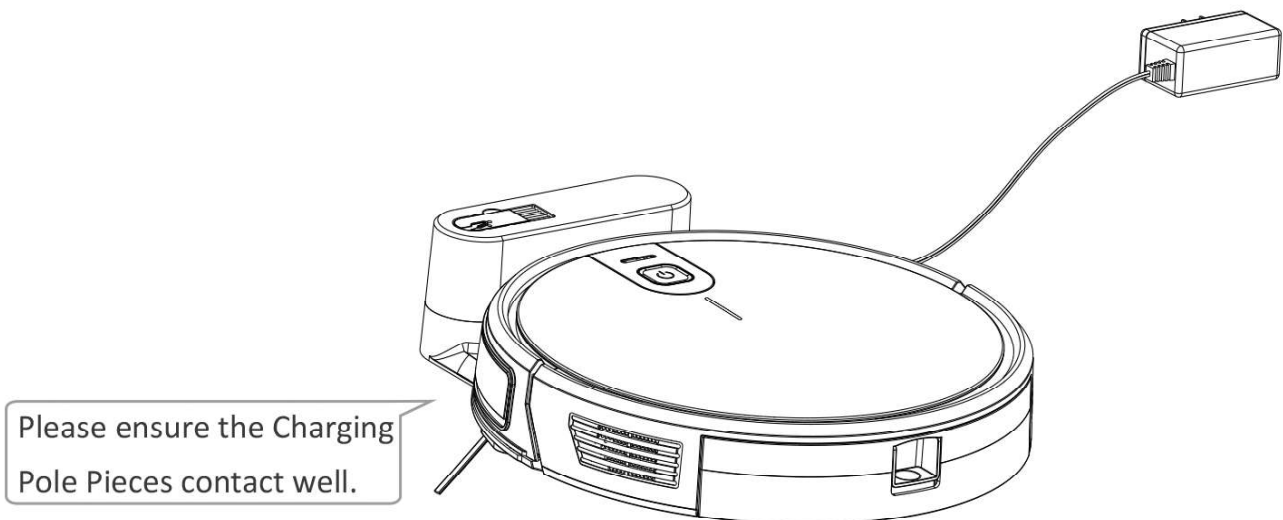
Charging the robot

Place Robot onto charging dock, ensure the Charging Pole Pieces contact well.

When power light flashing in red/pick/blue, means the robot is in charging.

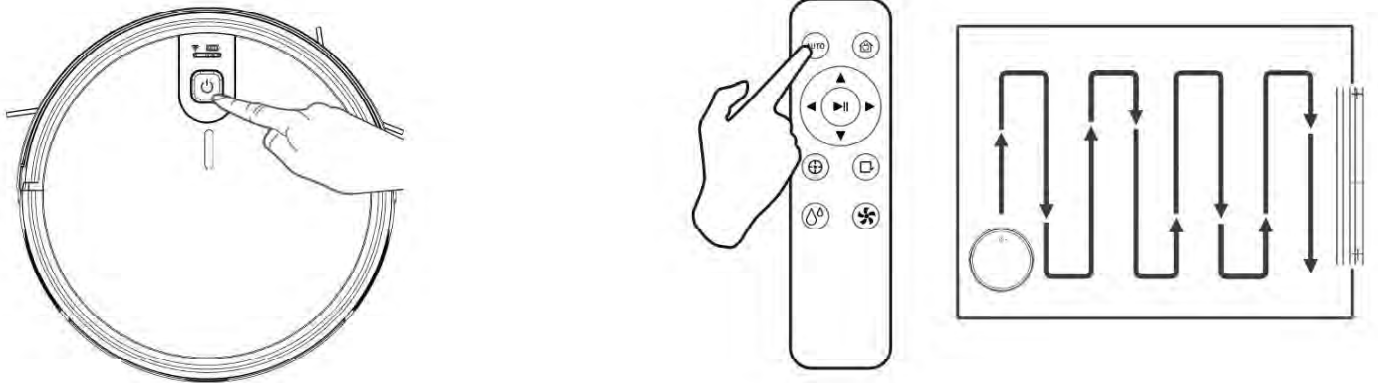
When power light is off, means the robot is fully charged.

For first time usage, please continuously charge the robot for more than 12 hours.





Start Cleaning

Press  on the Robot or press  on Remote control to start Auto Cleaning Mode.





Before starting Auto Cleaning Mode, please make sure the power light is in red/blue, which means the robot is in standby state.

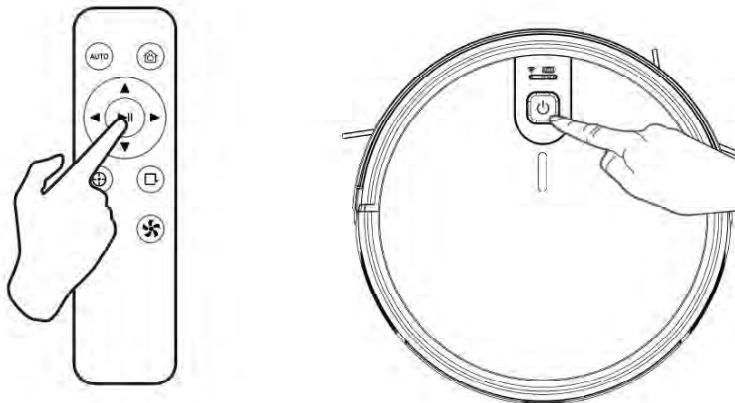
If the robot is not in standby state, please short press the  on Robot or press  on Remote control to wake up robot.

When Robot stay in standby state for more than 10 mins, it will enter sleeping mode, and the power light will be off.

If you need select another mode, please refer to “Mode Selection” section.



Stop Cleaning

When the robot is working, press  on the Robot or press  on Remote control, the robot will pause.




Mode Selection

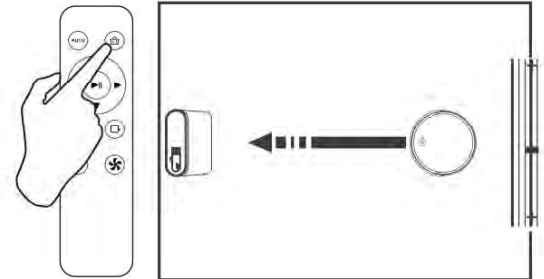
Before selection, please make sure the power light is in red/blue, and the robot is in standby state.

If the robot is not in standby state, please short press the  on Robot or press  on Remote control to wake up robot.

Return to Charging Dock

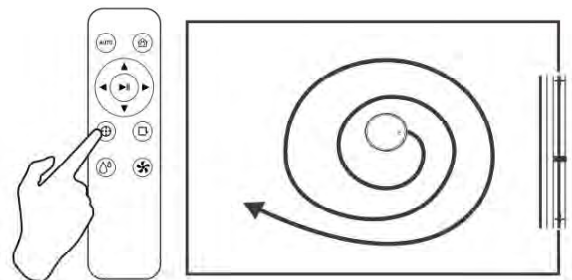
When the battery is low, the robot will automatically return to charging dock for recharging.

Or press “” on remote control to command the robot to recharge.



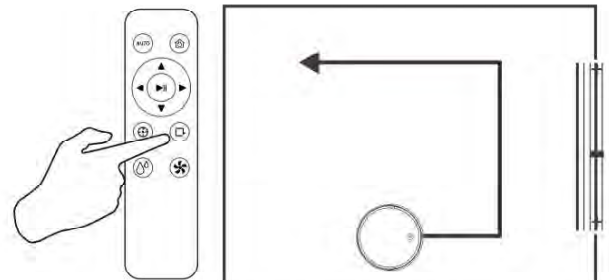
Spot Cleaning Mode

This Mode is suitable for the place where has plenty of garbage. The robot will clean in “Spiral” route with a circle of 1m diameter.




Edge Cleaning Mode

This Mode is suitable for cleaning corners of the room. The robot will clean along the wall or around the furniture legs. After cleaning, the robot will back to charging dock.



Water volume selection

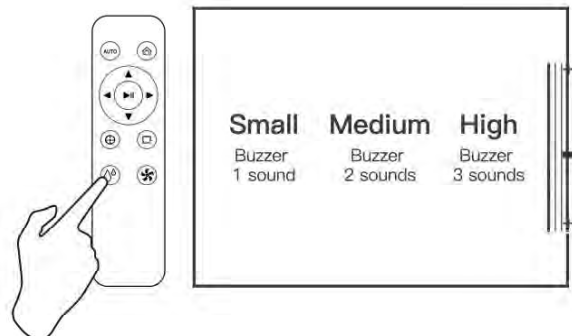
The suction power can be adjusted thru pressing “” on remote control.

1 beep for low water volume.


2 beeps for middle water volume.

3 beeps for large water volume.

The default water volume is in middle level.



Suction power selection

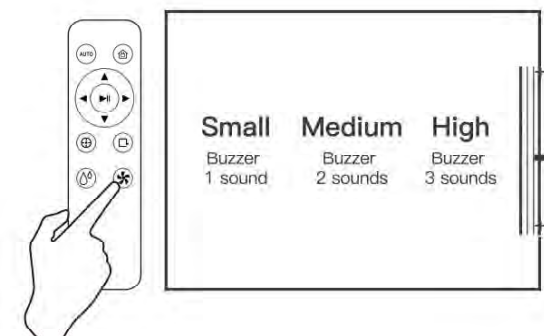
The suction power can be adjusted thru pressing “” on remote control.

1 beep for low suction power.

2 beeps for middle suction power.

3 beeps for large suction power.

The default suction power is in middle level.



3.4 Use of Water Permeable Rag

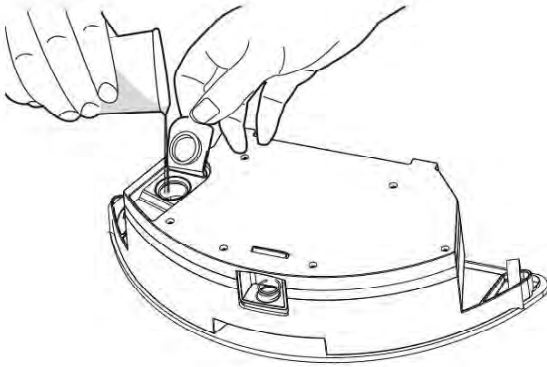
This product is equipped with a water tank assembly. After the cleaning work is completed, if there is a demand for mopping, the dust bin can be replaced with a water tank assembly.

Do not use the water tank assembly on the carpet. When cleaning with the rag function, fold the edge of the carpet to avoid foreign matter on the rag from soiling the carpet.

When charging, be sure to remove the water permeable wiper assembly.

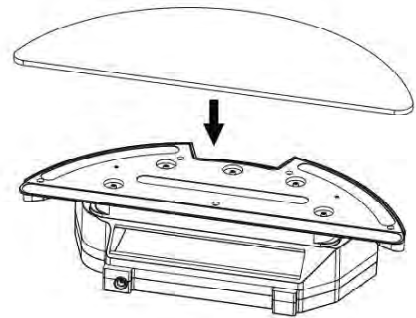
1) Add Water

Open the water inlet cover and take enough water.



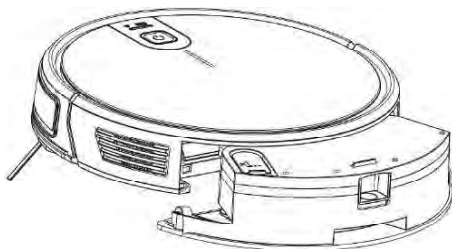
2) Sticking The Water Rag

Close the water inlet cover and stick the water rag.



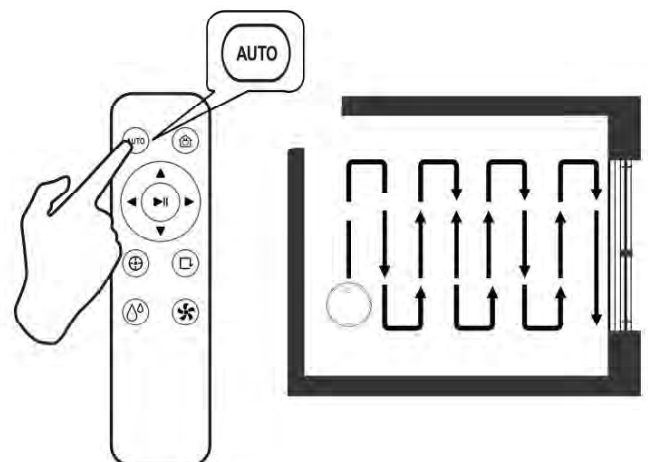
3) Install Water Tank Assembly

Press the dust bin release button at the rear of the master to remove the dust bin and replace the water tank assembly.



4) Mop

Start any cleaning mode as needed, and the master will perform cleaning and mopping.



3.5 APP Download and Networking Configuration

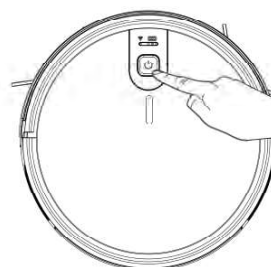
Please scan the QR code to download and install APP. The mobileApp should be IOS 9.0 and Android 4.0 or above.




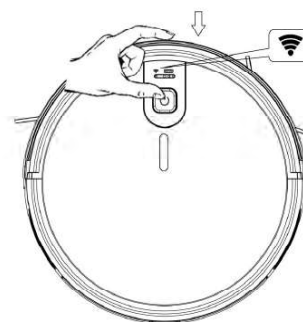
Network configuration

Please ensure your phone has connected with WIFI and the WIFI signal is strong.
Please sign up and log in APP.

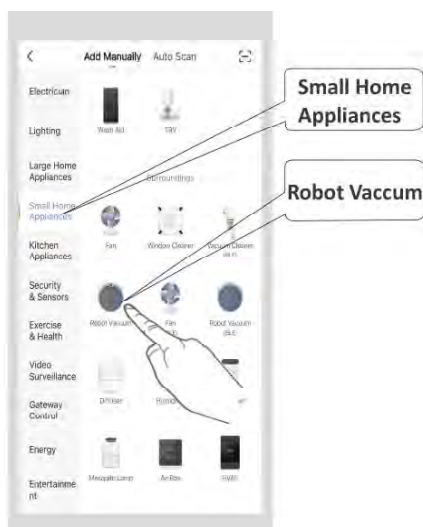
Power on the robot and enter standby state.



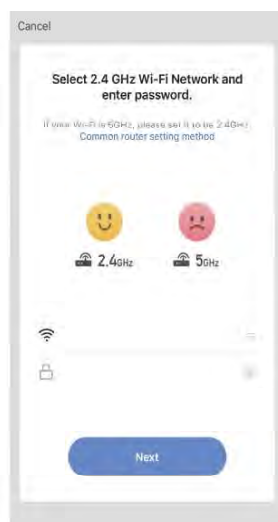
Press  key and bumper at the same time and hold for 3s, release them until you hear a beep. When WIFI indicator is flashing, the robot enters WIFI configuration mode.



Open APP to add device as below images



Open APP to add device



Enter WIFI password and pairing





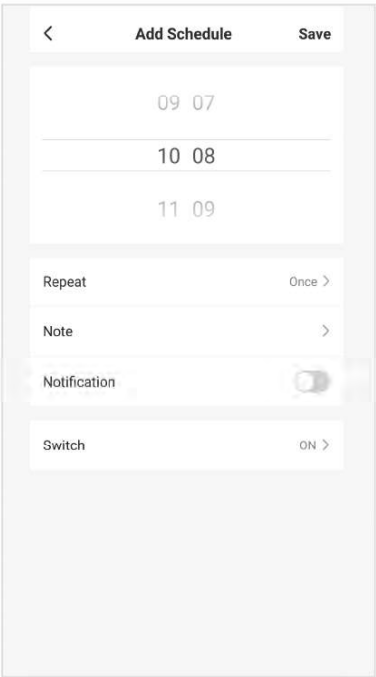
After configuration, enter APP main interface

Note: If fail to connect device, please power on robot again and connect again.

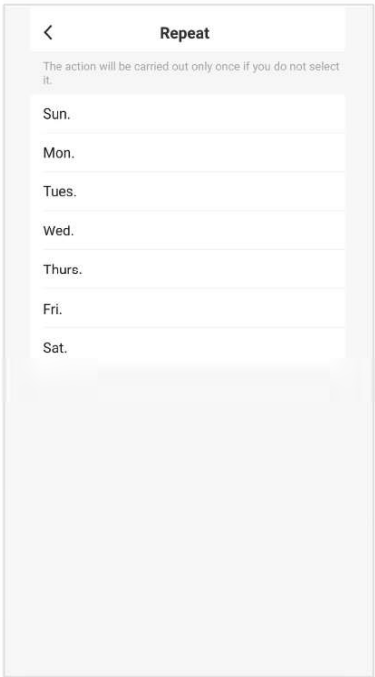
3.6 Schedule cleaning on APP

Before schedule cleaning time, please ensure the robot is in standby state.

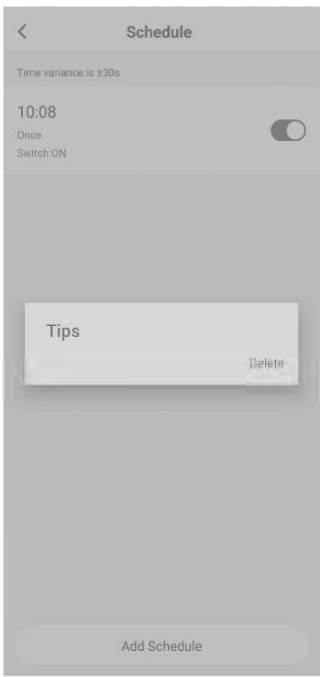
If not, please short press the  on Robot or press  on Remote control to wake up robot.



Reserve cleaning time



Set the repeat date



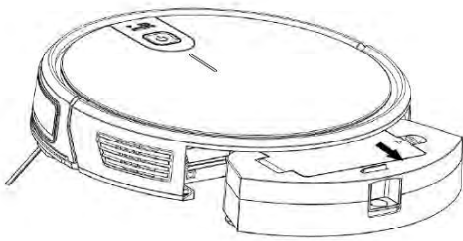
If need to delete, please delete it on “Schedule” page

4.Maintenance

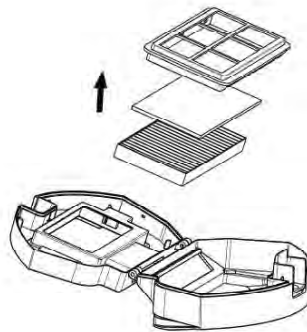
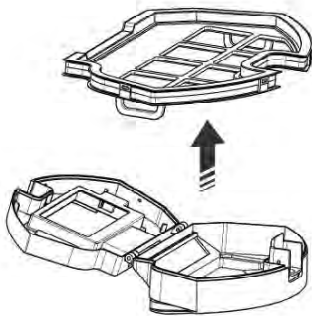
4.1 Clean Dust Bin and Filter

When maintain the robot and accessories, please power off the robot and unplug the adapter.

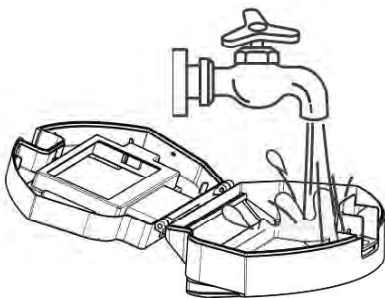
1) Take out the dust bin, open it and empty the trash.



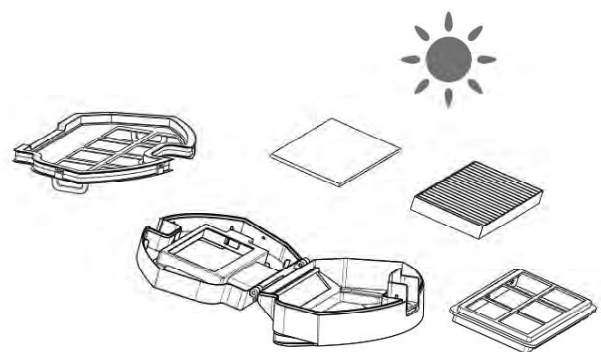
2) Take out Filter set, pat the high efficiency filter to remove ash.



3) Flush the dust bin and Primary filter.



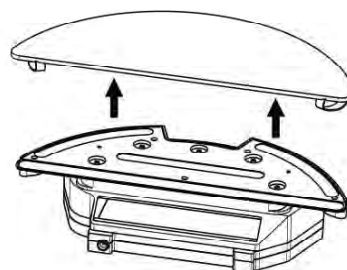
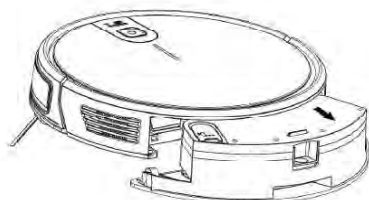
4) Dry the dust bin and filter set. Please ensure they are dry before next usage.



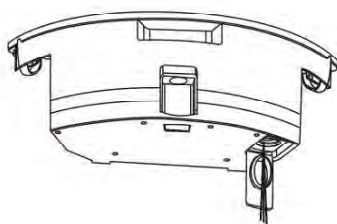
4.2 Clean Water Tank Assembly

Clean Water Rag

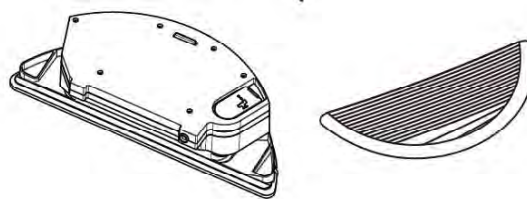
1) Remove the water tank assembly and remove the water permeable rag.



2) Rinse the water rag and Pour off the remaining water.



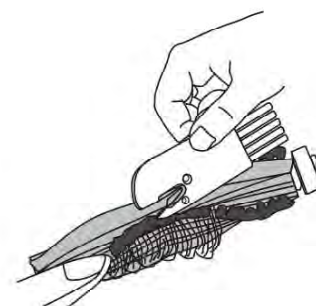
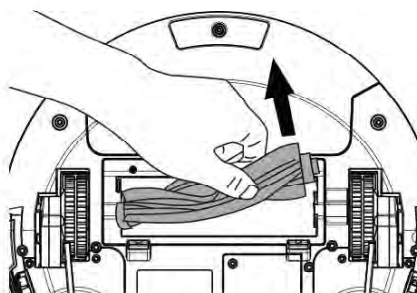
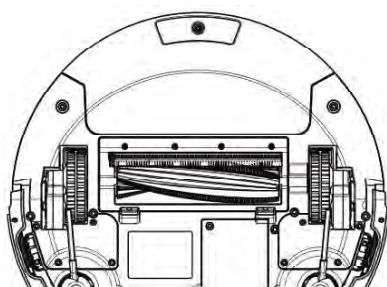
3) dry the water rag and the water tank.



4.3 Clean Rolling brush and Side brushes

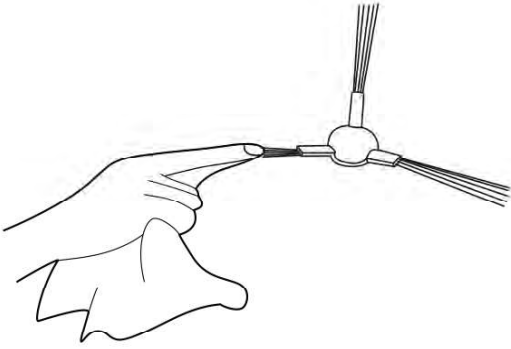
Clean Rolling brush

Remove the rolling brush cover and take out the brush. Use cleaning tool to cut off the hair on brush and remove them.



Clean Side brushes

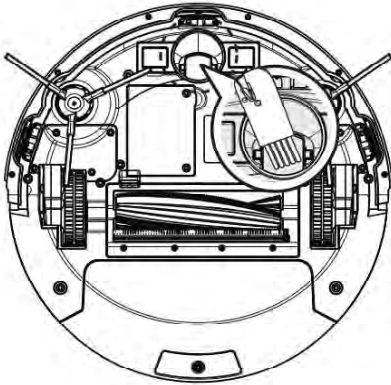
Pull out the side brushes and wipe it with a clean rag.



4.4 Clean other parts

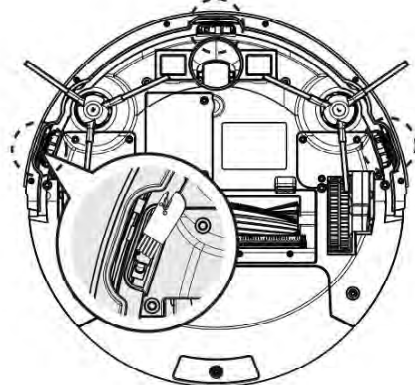
Clean the universal wheel

Use cleaning tool to dig out the hairs that entangles on wheel.



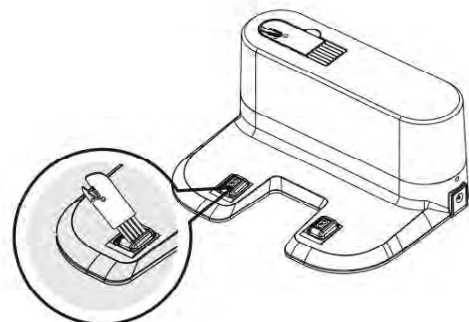
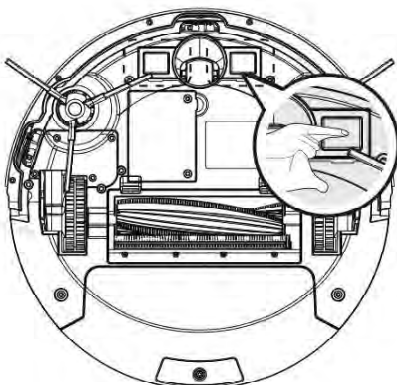
Clean sensors

Clean the lower vision sensor with cleaning brush or rag to ensure the sensitivity.



Clean Charging pole pieces

Please use a rag or cleaning brush to clean the charging pole pieces on the bottom of Robot and the charging dock.




5.Indicator and Fault

5.1 Indicator Prompt

Robot Status	Indicator Status	WIFI Status
Charging	Red/pink/blue light breath	Current connecting status
Fully charged	Light off	Current connecting status
Device error	Red light blink or solid red	Current connecting status
Low battery	Solid red	Current connecting status
Cleaning mode	Solid blue	Current connecting status
WIFI searching	Solid blue	Blue light blink
WIFI connecting	Solid blue	Exit WIFI configuration 5 mins later, blue light will off
WIFI connection succeed	Solid blue	Solid blue

5.2 Fault Prompt

When Robot is fault, the  key light will be in blink red or solid red and the different beeps will be heard. Please refer to below form to find causes and solutions.

Indicator in Solid Red			
NO.	Prompt Sound	Causes	Solutions
1	1 beep 3 times	Wheels error	Please check if the wheels are entangled and clean the wheels.
2	2 beeps 3 times	Side brush error	Please check if the side brushes are entangled and clean the side brushes.
3	3 beeps 3 times	Fan error	Please clean the dust bin and check if the suction inlet is blocked.
4	4 beeps 3 times	Rolling brush error	Please check if the rolling brush is entangled and clean the rolling brush.
5	5 beeps 3 times	Dust bin/water tank error	Dust bin/water tank is not detected, please install dust bin.
Indicator in Blink Red			
NO.	Prompt Sound	Causes	Solutions
1	1 beep 3 times	Bumper error	Please check if the bumper is stuck.
2	2 beeps 3 times	Robot is suspended	Please move the robot to the ground.
3	3 beeps 3 times	Robot get stuck	Please move the robot to open area.
4	4 beeps 3 times	Low battery	Please charge the robot.
5	5 beeps 3 times	Adapter error	The charging voltage abnormal, please change new adapter.
6	7 beeps 3 times	Gyroscope initialization failed	Gyroscope calibrate failed, please restart the robot.
7	8 beeps 3 times	OTA update failed	OTA update failed, low battery.

* If the above methods can not solve the problem, please restart the robot.

6.FAQ

Please refer to below chart to resolve robot's problem. If the problem is not resolved, please contact customer service center for more assistance.

NO.	Problems	Causes	Solutions
1	Robot can't be charged	The charging pole pieces are not contact well.	Make sure the charging pole pieces on robot and charging dock are clean and contact well.
		Charging dock has no electricity.	Ensure the adapter cords has plugged into charging dock and wall outlet.
2	Robot can't dock	Charging dock has no electricity.	Ensure the adapter cords has plugged into charging dock and wall outlet.
		The location of charging dock is not correct.	Position the charging dock on a hard level surface (not on a dark color surface or long-pile carpet) and in an open area without obstacle nearby.
3	Robot get stuck	The robot is stuck by wires, carpet tassels, or furniture etc.	The robot will try to automatically escape. If the robot can't escape, please help it manually.
4	Robot do not Auto clean as schedule time	Robot has powered off.	Please power on the robot.
		Power is too low to start clean.	Please charge the Robot.
		Robot is entangled.	Power off the robot, empty the dust bin, and clean the parts which were entangled.
5	Remote control failure (Effective range of remote is 5m.)	The battery of remote control is low power.	Replace with new battery in remote control.
		The robot has powered off or in low power.	Please ensure that Robot has powered on and have enough power to complete work.
		The infrared emitter on remote control or the infrared receiver on Robot is dirty.	Use a cloth wipe the infrared emitter on remote control and the infrared receiver on Robot.
		There's another infrared device interfering the signal.	Avoid using the remote control near other infrared devices.

CMIIT ID: 2020DP6462

* The product images in the manual are only for reference. We reserve the right to update product without prior notice.

hazardous components and contents in products

Items	Hazardous substances					
	Lead	Mercury	Cadmium	Hexavalent chromium	polybrominated biphenyls	Polybrominated Diphenyl Ethers
Electronic circuit	X	O	O	O	O	O
Switch	X	O	O	O	O	O
Power adapter	X	O	O	O	O	O
Magnetic strip	O	O	O	O	O	O
Battery assembly	O	O	O	O	O	O
Dust suction motor assembly	X	O	O	O	O	O
Side brush motor assembly	O	O	O	O	O	O
Side wheel motor assembly	O	O	O	O	O	O
Remote control module	O	O	O	O	O	O
Filter component	O	O	O	O	O	O
Side brush component	O	O	O	O	O	O
Universal wheel assembly	O	O	O	O	O	O
Dust collecting box assembly	O	O	O	O	O	O
Main components	O	O	O	O	O	O
Decorative cover assembly	O	O	O	O	O	O
Recharging docking station	O	O	O	O	O	O
Roller brush assembly	O	O	O	O	O	O
Roller brush cover assembly	O	O	O	O	O	O
Water Tank assembly	O	O	O	O	O	O
Sucking assembly	O	O	O	O	O	O

Remarks:

- 1.The table is compiled according to the provisions of SJ/T 11364.
- 2.O means the harmful components contents is below the limit requirements set by GB/T26572 (IEC62321)
- 3.X means the harmful components contents exceed the limit requirements set by GB/T26572
- 4.All components of X in this table conform to the EU ROHS rules



The environmental protection period of the digital identification product in normal use is 10 years.

Execution standard number

GB4706.1-2005 GB4706.7-2014
GB4343.1-2009 GB17625.1-2012

CERTIFICATE

Production Date:

Inspector:

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

RF Exposure Information

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