

Contents

Safety Information.....	1
Product Composition.....	3
Working Principle and Features	9
Installation.....	10
Instructions.....	13
Maintenance.....	17
Contents for Voice Instruction.....	24
Common Faults and Treatment Methods.....	24
Specification.....	25

Safety Information

The purpose of safety information is to protect the users from danger when using the product, as well as to prevent the product damage. Please read it carefully.

Safety Signs

The safety signs are used to distinguish the possible damages or hazards during using.



Attention

Risk of personal injuries and property damage if the relevant instructions are not observed.



Reference

The reference for using the product.

Before Using



Please do not install or use the product in a place with direct sunshine exposure.

- Otherwise the charger adapter will be too hot during charging and cause the hazards of electric shock, short circuit or fire risk.
- Otherwise it will cause the discoloration or decolorization.



Please do not install the charging stand on a slope and do not have any impact on it.

- The charger damage may result in hazards like leakage of electricity, electricity shock or injuries.



Please do not use the product in a space in which there are only children, the old, the sick, the disabled, the mentally disordered or pets.



Please do not let children, the disabled or the mentally disordered to operate the product.



Please remove the articles and fragile stuff on the floor where needs to be cleaned, and sort out the things around.

- Otherwise it will hinder the movement of the robotic vacuum cleaner or cause the faults.
- Please remove the fragile articles (such as ceramic, glass etc.) Otherwise it may cause the damage of the articles.
- Small rags, towels, cushions, telephone lines, wires, ropes or belts may wind the wheels or brushes.



Please remove the obstacles on the floor where need to be cleaned.

- The robotic vacuum cleaner cannot move when it is blocked by an obstacle which exceeds certain height.



Please keep the charging stand plugged in all the time.

- Otherwise the robotic vacuum cleaner cannot be recharged automatically.

During Using



Please do not use the attached charger to charge other electronic products.

- Otherwise it will cause the damage of the charger or the device connected. Fire risk may happen also.



Please do not use or keep the product in the place with combustible objects (alcohol, gasoline, kerosene, diluent etc.) or smoke and fire (cigarettes, candles, heaters etc.)

- Otherwise it will cause fire risk or the product damage.



If there is any abnormal noise, burning smell or smoke from the robotic vacuum cleaner, please turn off the power immediately and contact the service center.



Please do not climb or sit on the product.

- When the robotic vacuum cleaner moves, it may cause personal injuries or product damage.

-  **Please do not use the product on a narrow or high place, such as on a table.**
 - When the robotic vacuum cleaner falls, it may cause personal injuries or product damage.
-  **Please note that the cleaner shall not be used to suck or go through water, oil, or excrement of pets.**
 - Otherwise it will call the faults or damage of the cleaner.
-  **When the wheels are stained with the above stains, the robotic vacuum cleaner may contaminate other places while moving.**
-  **During the operation, when there is something like plastic bags sucked, please remove it immediately.**
 - When the dust suction port is blocked, the internal motor runs for a long time with excessive temperature, which will result in the product damage.
-  **Please do not press the anti-collision buffer component which is the flexible part of the front of the product.**
 - Otherwise it will damage the sensor in the collision buffer component, and then lead to incorrect operation.
-  **Please do not keep or use the product under a temperature which is too low or too high ($\leq 5^{\circ}\text{C}$ or $\geq 35^{\circ}\text{C}$)**
 - Otherwise it may cause the damage of the product.
-  **Please do not run the robotic vacuum cleaner when the dust bin is full.**
 - Otherwise it may cause suction force reduction.
-  **Please make sure if the filter is installed in the dust bin.**
 - Operation without a filter may cause product faults.
-  **Please do the maintenance for the product regularly, and make sure there is no abnormal stuff, such as hair, winding the main brush or the side brushes.**
 - Otherwise it may cause noise, suction force reduction or product damage.
-  **Please do not use the product on the floor made of mirrors or glass.**
 - Because the robotic vacuum cleaner uses infrared ray sensors which may not identify glass or mirror as obstacles.
-  **Please avoid using the product on wet floor, long-hair carpet, stairs, tables, shelves, and in other large commercial or outdoor area.**
-  **If the product or the parts are damaged, please contact the service center.**

Power Supply

-  **Please use the power and socket according to the specified electric voltage and current.**
-  **Please use the charger attached with the product and do not use other chargers.**
 - Otherwise there may be a risk of electricity shock or fire.
-  **Please do not use damaged power lines or plugs.**
 - If the power supply or power line is damaged, please do not repair it by yourself but contact the service center to change it.
-  **When inserting or removing the plug from the socket, please do not pull the line but hold the plug head.**
-  **Please do not touch the power line of the charger with wet hands.**
-  **Please do not install the charger in a humid place.**
-  **When there is water on the product, please remove the power plug and do not use it until it is dry completely.**
-  **Please do not insert metal objects like paper clips or pins into the power adapter hub.**
-  **If the product is not used for a long time, please turn off the power switch.**
 - Otherwise the battery may be consumed gradually.
-  **Please do not dispose batteries arbitrarily.**
 - Discarding the batteries in some places with fire or smoke, leaving them to the exposure of direct sun rays may cause fire or explosion.
 - Please dispose the batteries safely according to the regulations according to corresponding regions.
-  **Please clean the anti-collision sensor and the falling sensors regularly.**
 - If the sensors are covered by dust, they may lead to operation faults.
-  **Please use required filter.**
 - Otherwise it may lead to suction power reduction or even product damage.
-  **Please clean the product after the power is turned off.**
 - Cleaning the product with the power turned on or during the operation may cause personal injuries and product damage.
-  **Please clean the main brush, the side brushes, the dust bin, the filter and the suction inlet.**
 - Otherwise it may result in operation faults or product damage.

Product Composition

Confirm Product Components



Host



Charging stand



Charger



Power line



Remote control



One unit of side rush



Water tank with mopping pad



Cleaning brush



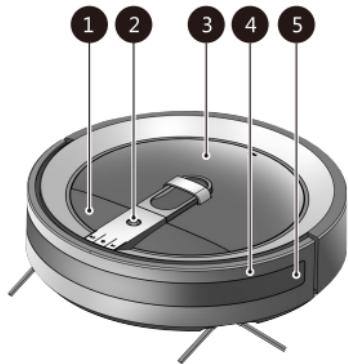
Instruction manual



Please comply with the following for effective cleaning.

1. Before installing the left and right side brushes of the cleaner, please confirm the right positions for installation. The installation methods for side brushes refer to page 11.
2. Please sort out the unfixed articles, such as toys, magazines, shoes and socks, before cleaning.
3. Please close the door or use the virtual wall for the place you do not want the vacuum cleaner enters in.
4. Please do not move the robotic vacuum cleaner manually while cleaning, otherwise it may stop cleaning or fail to follow the optimal path navigated in the system.
5. Please make sure that the vacuum cleaner starts to work from the charging stand, otherwise it may not be back to recharging. Because the cleaner will be back to the start point after finish cleaning.
6. Before the first use of the vacuum cleaner, please make sure it is fully charged for about 4 hours. Manual charging methods refer to page 12.
7. Please check the dust bin frequently. If the dust bin is full but without cleaning, the suction power of the vacuum cleaner will be reduced. When the dust indicator lights on, the dust bin should be cleaned immediately.

Display Panel of the Robotic Vacuum Cleaner



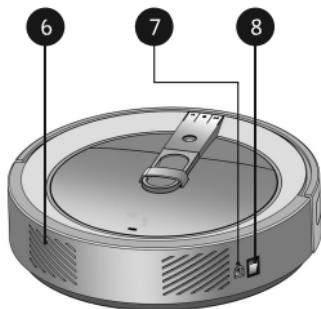
① display screen

② digital camera

③ dust bin cover

④ anti-collision buffer component

⑤ anti-collision sensors inside

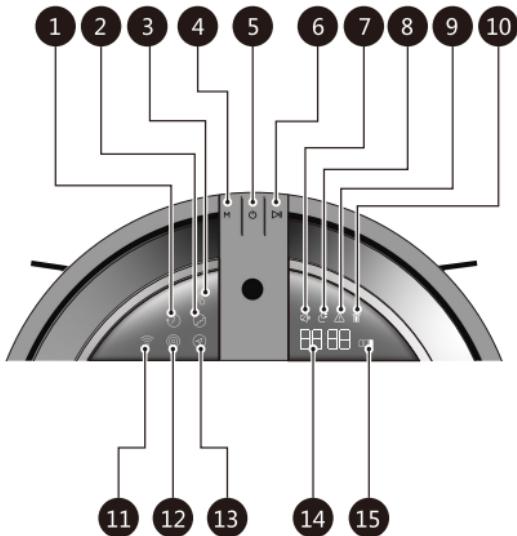


⑥ air outlet

⑦ Power adapter hub

⑧ power switch

Buttons and Indicators



1.Scheduled cleaning

2.High/Low climbing

3.Wet mopping

4.Mode

5.Power

6.On/Pause

7.Silent mode

8.Recharge

9.Error

10.Dust indicator

11.Wifi

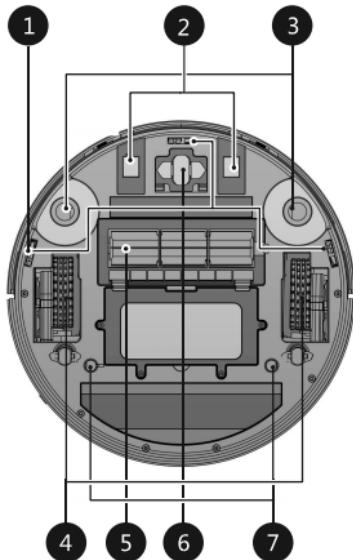
12.Intensive cleaning

13.Navigation cleaning

14.Time

15.Battery

The bottom of the robotic vacuum cleaner



1.anti-falling sensors

2.charging metal contact pieces

3.side brushes installation positions

4.side wheels

5.central brush and suction input

6.front wheel

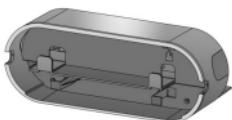
7.water tank installation position

Charging stand

front



back



Dust bin with filter



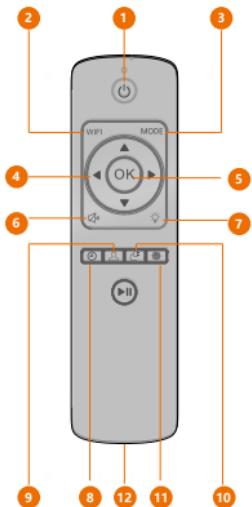
Water tank with mopping pad



Remote Control Usage

Use the optional functions of the remote control:

Navigation cleaning, intensive cleaning, high/low climbing, manual cleaning, recharge, suction power adjustment, scheduled cleaning, silent mode, atmosphere light on/off, time schedule.



1. Power	•Power on/off.
2. WIFI on/off	•Recover the operation mode when it stops for faults
3.Cleaning mode	•The default mode is on when the device starts
4. Direction buttons	•Select cleaning mode
5. OK	•For manual cleaning, this is for forward, backward, left rotation and right rotation
6.Silent mode	•This is used to confirm the selected modes
7.Atmosphere light on/off	•This is used to turn on/off the audio instructions
8. Time	•The default mode is on when the device starts
9 Scheduled cleaning	•This is used to set the time
10. Recharge	•This is used to set up in advance
11.Suction adjustment	•Make the robot vacuum go back to the charging stand automatically.
12. on/off	•This is to adjust the suction power from 50% to 100%.
	•The default mode is navigation cleaning with high climbing.
	•This is used to schedule the device to clean up.
	•Stop the current operation.

Product Features and Working Principles

Smart Navigation System

Features the camera system helps the robotic vacuum cleaner continually build and update its map of rooms within a home.

24 groups of sensors and three individual ARM smart chips inside help the vacuum cleaner create an optimal cleaning path by scanning the layout of your home and its surroundings.

It can cover 98% of the cleaning area and promote 30%-50% more cleaning efficiency than other normal vacuums in the same environment. You won't need to worry about furniture or obstacles on the floor.

Simply turn it on, and let it do the job for you.



Visual Localization



Optimal cleaning path



Auto Recharge



APP



Intensive Cleaning



Virtual Wall



Climb over obstacles



Smart moving



Smart scenario light Adjustable suction power Anti-winding



Adjustable suction power



Anti-winding



Voice function



Scheduled cleaning high-quality gyros chip



high-quality gyros chip



Anti-falling

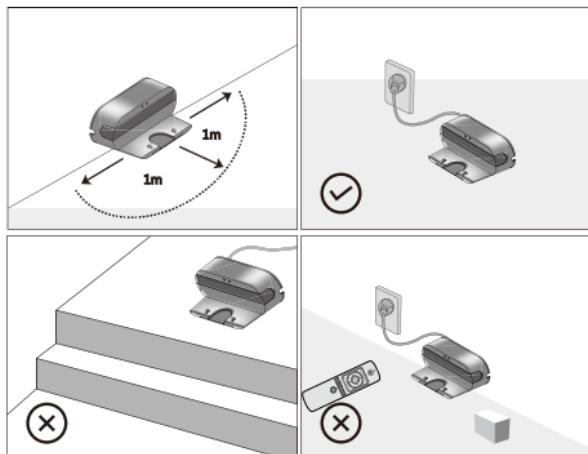


Anti-collision

Charging Stand Installation

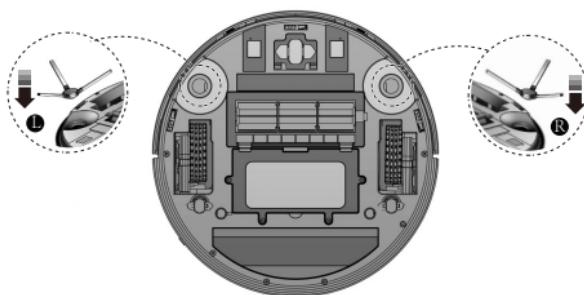
Tidy up the area around the charging stand.

No obstructions within 1 meter in front, on the left, or on the right of the charging stand.



If the charger is installed in a place exposed to direct light, the product may not be automatically charged or the product may be discolored.

Side Brushes Installation



Confirm the sign which indicates the left side brush(L).

Confirm the sign which indicates the right side brush(R).

Confirm the position on the bottom for installing the left side brush.

Confirm the position on the bottom for installing the right side brush. Match and install the side brushes on the bottom of the host.

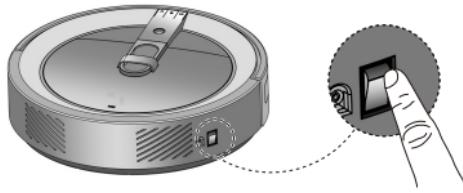
Charging the Host manually

After the installation above, for the first time to charge the robotic vacuum cleaner, please follow the instructions below.

1. Turn on the power switch on the side of the host.
2. Lift the host and put it on the charging stand.

Match and connect the host to charge on the charging stand.

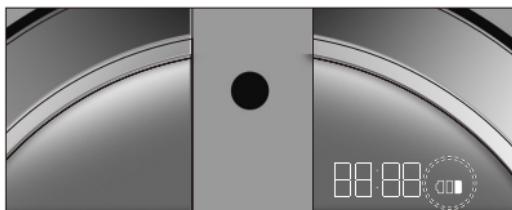
When the red indicator light is on, it starts charging.



3. After the battery is fully charged, start to use the robotic vacuum cleaner.

It takes about 4 hours to have the battery fully charged.

After fully charged, it can be used for 90 minutes under normal vacuuming condition. The actual working time depends on the home environment.



Battery Indicator 	Fully charged	The light is lit fully and flashes once a second.
	Low battery	The light flashes four times a second.



The host can be recharged manually without the charging stand.



When installing the mopping pad on the body of the cleaner, please match it to the socket.

Instructions

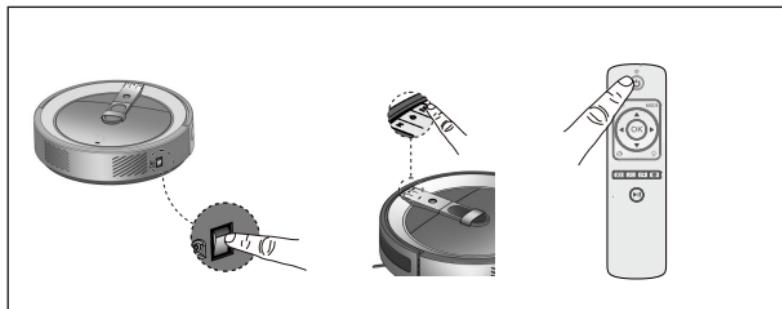
Please sort out the articles on the floor which is going to be cleaned.

1. Please remove the items which are fragile or easy to fall from the floor. For things with some down or wool, such as woolen blanket which may hinder the cleaner to move, please fold or remove it.
2. When the dust bin is full, the cleaning performance will be weakened. After cleaning operation, please check if the dusk bin is full. Please refer to page 17 for ways to cleaning dust bin.
3. If there are any abnormal things on the floor sensor or wheels, please remove them immediately. Otherwise it will result in the cleaner operation faults or failure. Please refer to page 19 for ways to clean the floor sensor and pulleys.
4. When the robotic vacuum cleaner is operating, children, the old, the sick or the disabled may be scared. To prevent the children, the old, the sick or the disables from being scared, please give a full clarification on the production operation.
5. Please pay attention to the places where the robotic vacuum cleaner may fall from. Please do not use the product on a narrow site like a desk or a table where it may fall from. When the shoe cabinet is arranged with shoes or other articles, the cleaner may identify the shoes as floor and may fall. Please pay attention to these places.
6. The robot vacuum cleaner may not go through a threshold which is higher than 1.5 cm.

Start/Stop Cleaning Function

1. Start cleaning

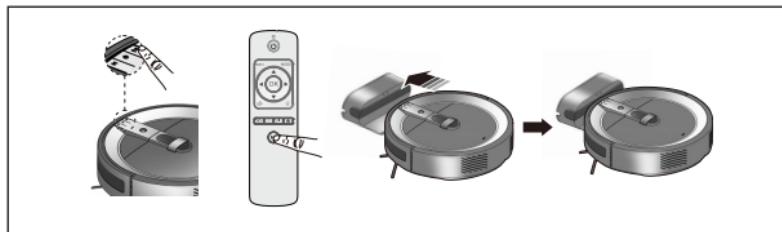
The default mode is navigation with high climbing. In this mode, please remove the water tank under the device to make it suitable for floor and carpet cleaning.



2. In the navigation cleaning mode, when the vacuum cleaner finishes cleaning, it will be back to recharge automatically.

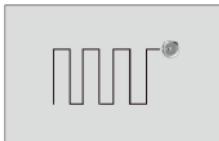


During cleaning, press start/stop (▶/■) button on the robot or on the remote control to stop cleaning.

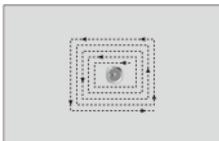


Change Cleaning Modes

1. Users can select different cleaning modes according to the environment. Press the "M" button on the top of the robotic vacuum cleaner, or press the "M" button on the remote control to change the cleaning modes.



Navigation cleaning



Intensive cleaning



Wet mopping



Manual cleaning



Scheduled cleaning

Wet Mopping

When the water tank is installed on the vacuum cleaner, the cleaning mode will change to Wet Mopping automatically. The default setting of Wet Mopping is navigation with low-climbing.



Please remove the obstruction like carpet etc.

If the Wet Mopping is used on a carpet, the carpet may be damaged.

1. Input water to the water tank.
2. Install the mopping pad on the water tank.



Please keep the mopping pad a bit wet.

If the mopping pad is too wet or completely dry. It will influence the moving of the vacuum cleaner.

3. Switch off the host and install the wet mopping system on the bottom of the vacuum cleaner.

