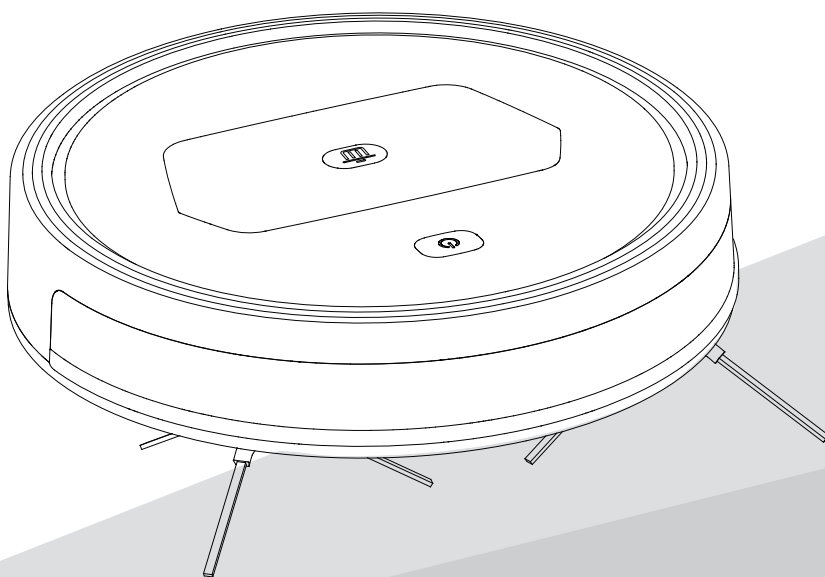


Robot Vacuum Cleaner

K1

USER MANUAL



Thank you for purchasing the product.
Please read the manual carefully before using.

Warnings

- Instructions for use shall be provided with the appliance so that appliance can be used safely.
- The plug must be removed from the socket-outlet before cleaning or maintaining the appliance.
- 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 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 made by children without supervision.
- Children should be supervised to ensure that they do not play with the appliance.
- Only to be used with the power supply unit provided with the appliance.
- This appliance is intended to be used in household only.
- This appliance contains batteries that are only replaceable by skilled persons.
- The battery must be removed from the appliance before it is scrapped.
- The appliance must be disconnected from the supply mains when removing the battery.
- The battery is to be disposed of safely.

Contents

1. Safety Instruction.....2-4	4.2 Charging Methods
1.1 Use Notes	4.3 Remote Control's Usage
1.2 Safety Precautions	
1.3 Child Safety	
1.4 About Battery	
1.5 Usable Range	
1.6 Exception Clause	
2. Product Formation.....5-6	5. Product Maintenance.....14-17
2.1 Main Body and Accessories	5.1 Daily Storage
2.2 Accessories Introduction	5.2 Cleaning of Charging Plate
	5.3 Clean the Dust Box
	5.4 Clean the Main Brush
	5.5 Clean the Side Brush
	5.6 Clean the Wheels
	5.7 Clean the Sensors
3. Product Installation.....7-8	
	6. Common Faults.....18
4. Product Usage.....9-13	7. Technical Parameters..... 19
4.1 Main body's Usage	

Thank you for purchasing intelligent vacuum cleaner.
Wish you have a happy experience!

1. Safety Instruction

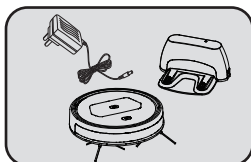
1.1 Use Notes

Before using the product, please observe the following safety precautions:

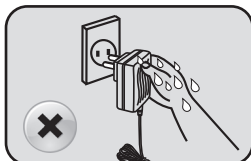
- * Read the instruction carefully; use the product according to the operation procedures.
- * Keep the instruction carefully, and look it up in the future.
- * If you want to give the product to others, please enclose the instruction.
- * Wrong operation will lead to serious personal injury and damage the product.

1.2 Safety Precautions

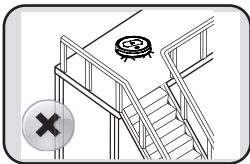
Caution



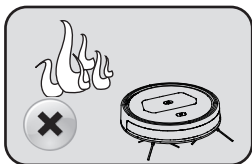
-  Only use the original adaptor, battery and charging station, or else it will damage the machine and cause fire because of electric shock and high voltage.
-  If you find that the main body and accessories are damaged, Please do not use the cleaner and keep contact with the after-service department. Anyone is not allowed to disassemble, maintenance or remould the machine.



-  Pull off the plug before doing the maintenance.
-  Do not touch the battery socket and the machine when your hands are wet, or else it will cause electric shock.
-  If the mains cord is destroyed, to avoid danger, please contact us and wait for professional persons to replace it.



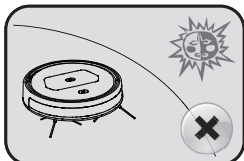
⚠ Don't use this product without magnetic boundary strip or obstacles crossing stairs to prevent the vacuum cleaner from falling accidentally and causing personal injury.



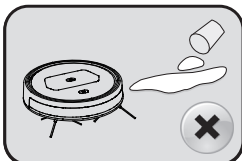
⚠ Do not put the machine behind the fire, inflammable, explosive and corrosive materials.

⚠ Do not put your clothes or any place of your body(hair, finger and so on) into the main brush and wheels, or it will cause personal injury.

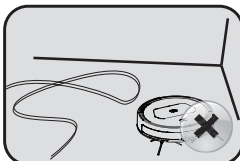
⚠ Attention



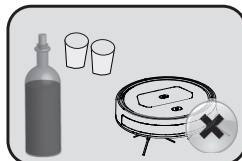
The machine is only used indoor.



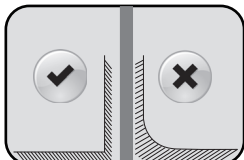
Prevent water, oil and other liquid into the machine.



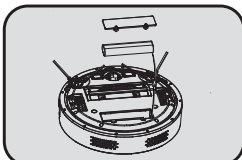
Clean up the wires and sundries on the ground in case of being tangled into wheels and brushes.



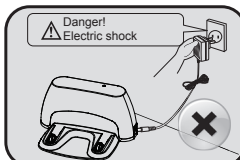
Please remove all fragile objects.



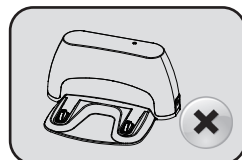
Charging station should be against the wall and flat place, or else the function will be influenced.



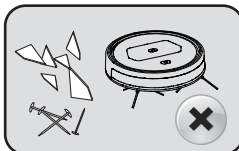
Switch off the cleaner when taking out the battery.



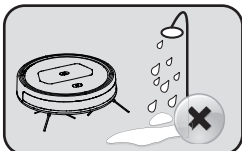
Please cut off the battery socket, not used for a long time.



If the docking station is removed when works, it will cause incapability of the machine to recharge.

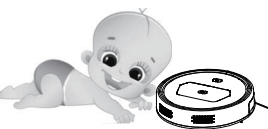


Please don't collect something sharp with the device, such as glass sheet, iron nail and others, for fear of the damage to the product.



Please don't use this cleaner in humid or flammable, explosive and corrosive environments.

1.3 Child Safety



* The machine should not be used alone by children.

* Forbid the children to play the poly bag, or else it will cause smother.

1.4 About Battery

1. The machine will only be used with the original battery.
2. Please turn off the power switch before taking out the battery.
3. The battery must be taken out before abandoning it.
4. If you want to replace the battery, please keep contact with our after service department. It will lead to accident if wrong battery is put in the machine.
5. If the battery is leaked, please do not touch the liquid, wipe the liquid with dry cloth, and put the battery to recycle bin or maintenance point, do not throw it at random.
6. Please handle the old battery of the parts (remote control). The battery includes hazardous substance, please put it to recycle site according to original environmental protection regulations.



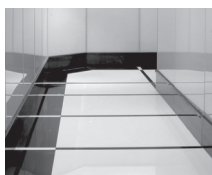
1.5 Usable Range

Applicable Range

The cleaner is suitable to the following environment:



Wooden Floor



Tile



Carpet

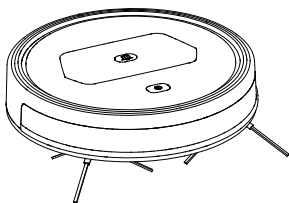
1.6 Exception Clause

One of the following circumstances of the product is not in the range of free service. Repair under payment can be carried out:

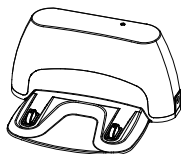
- A. The damage to the product arises out of the user's operation and storage against our Manual;
- B. The whole machine and its components have been out of the free warranty period;
- C. The damage to the product arises out of the disassembly by the serviceman not sent or authorized by our company;
- D. The valid purchase invoice can't be provided;
- E. The model in the warranty card is inconsistent with that of the product for repair or is altered;
- F. The damage to the product arises out of the irresistible factors such as natural disasters;
- G. The failure or damage to the product arises out of accidental or human factors (including disoperation, liquid feeding, improper insertion and pulling, scratch, handling, bumping, inappropriate voltage input, etc).

2. Product Formation

2.1 Main Body and Accessories



Main Body
*1pc



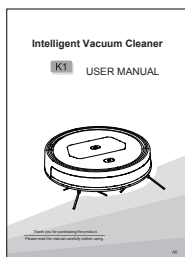
Charging Station
*1pc



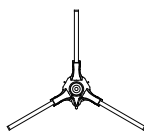
Adaptor
*1pc



Remote Control
*1pc



Instruction
*1pc



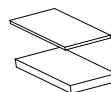
Side Brush
*2pcs



Clean Brush
*1pc



Screwdriver
*1pc
Screw
*2pc

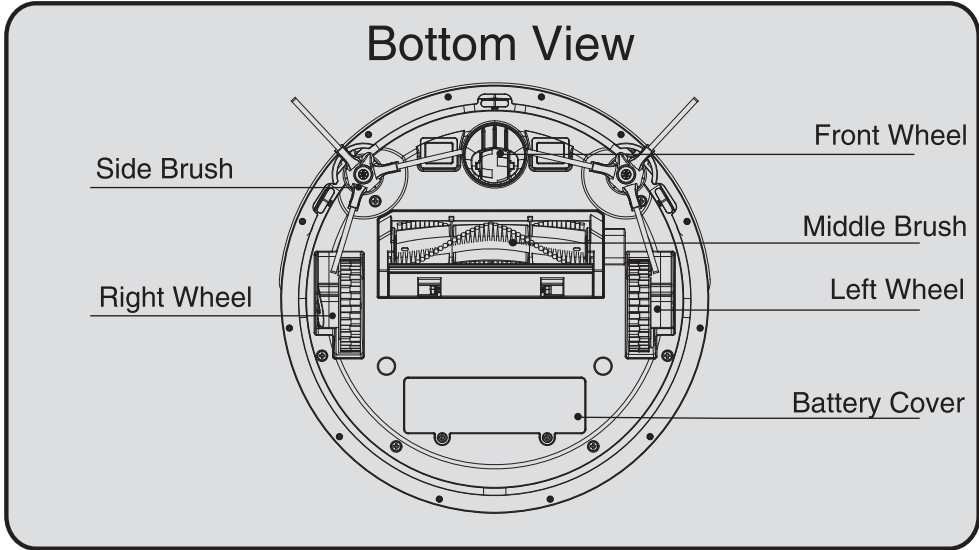
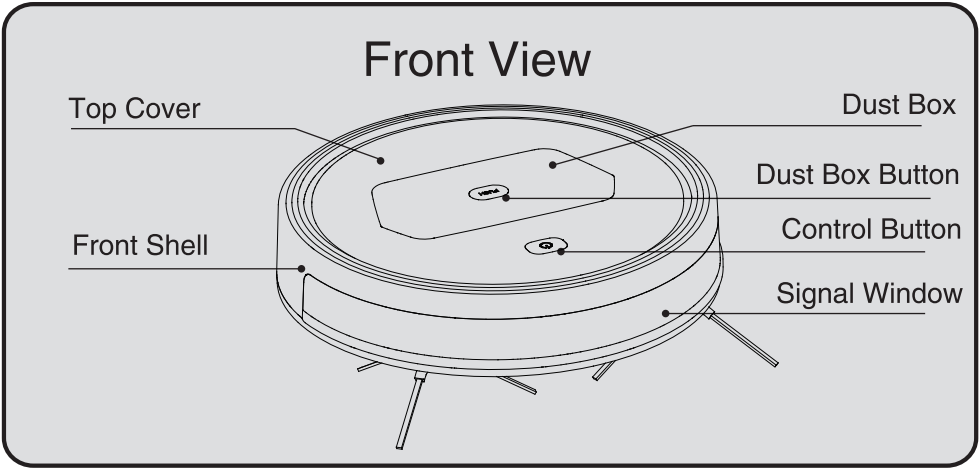


Filter
*1pc

Tips:

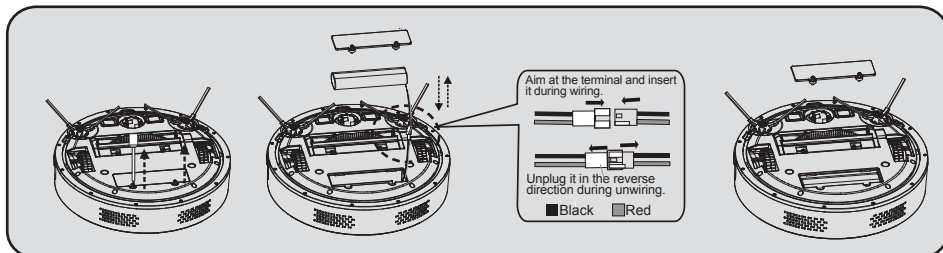
- * There is a battery, two side brushes and a filter assembled in main body, and another two side brushes and one filter is inside.

2.2 Accessories Introduction



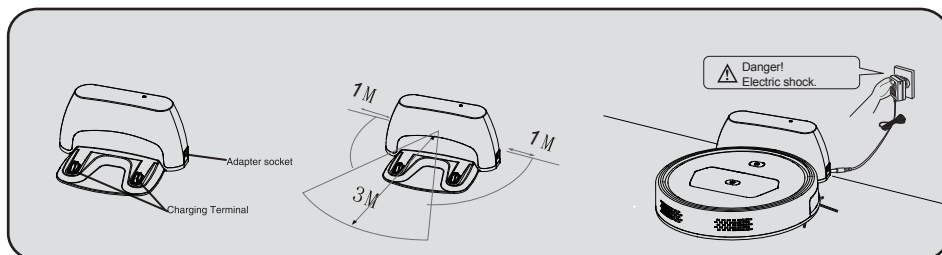
3. Product Installation

3.1 Installation and Removal of Main Body Battery



1. Loosen the screws on the battery cover with a screwdriver and open the cover.
2. Wiring Method: Take out the connectors of the battery and the cleaner first, and then join them according to the corresponding color direction.
Unwiring Method: Unplug the terminal of battery line in the reverse direction.
3. Put the battery into the compartment as per the direction shown in the figure first, and then place the well-arranged terminals and wires into the space. Finally put the cover on and lock it with screws.

3.2 Installation of Charging Station



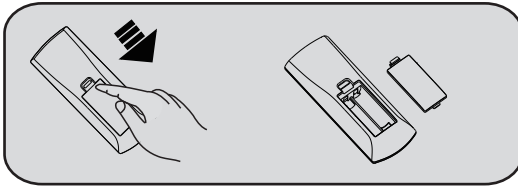
1. Place the charging base on the flat ground that is perpendicular to the wall. There is no obstacle within the range of 3 meters in length and 1 meter in width. Press the charging base with force to make it more firmly pasted on the floor. After plugging in the adapter, insert the DC plug into the DC port.
2. Connect the Adapter to the Docking Station and the power supply. Sort out the connecting cable of the adapter carefully to make the cleaner wound when it works.



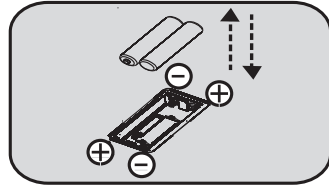
Tips:

The docking station can't be placed on the carpet. It is recommended to place it at a fixed position for a long time. Please don't move the docking station artificially during the cleaning.

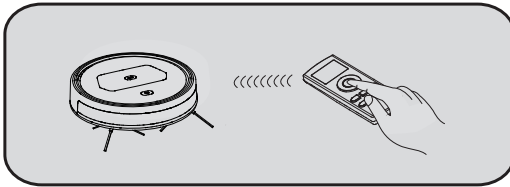
3.2 Installation of Remote Control



1. Open the battery cover.



2. Place two AAA (#7) batteries into the compartment.



3. After installing the battery, turn on the power switch of the cleaner. Check whether the remote control can control the cleaner. In case of no reaction, refer to Recoding the Remote Control Code on Page 12.

4. Product Usage

4.1 Main Body ' s Usage

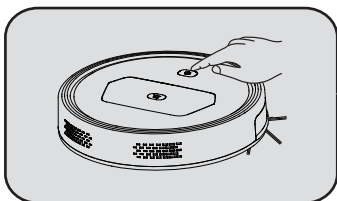
4.1.1 Introduction to Control Button



Button Introduction	
	Power Button
	Dust box Button

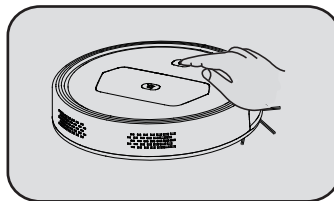
4.1.2 Work Mode:

4.1.2.1 Manual Mode



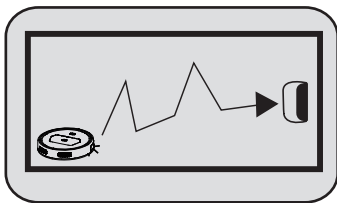
1、 Standby State

The sufficient power of the cleaner shall be ensured. Long press power button till indicator will light; release it and the cleaner will enter standby mode.



2、 Auto Cleaning

The cleaner in the standby state, press the Power Button and the cleaner will start auto cleaning



3、 Auto Recharge

The cleaner in the standby state, press the power button 2 times and the device will start operation and the green indicator flash to enter the recharge mode.



Tips:

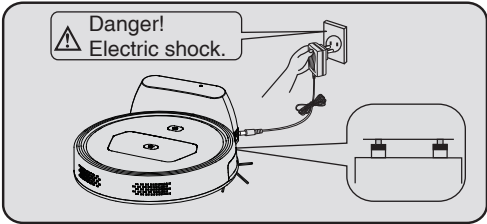
- * Please don ' t control the device during its operation in order to ensure the work efficiency.
- * During the work, if the device pauses a little while, please wait patiently.

4.1.3 Guide to the Operation of Button Indicators

No.	State	Display	Operation
1	Turn-off	Light-off	Long-press the  button till heard “Di” sound, and then loosen it.
2	Turn-on	Light-on	Long-press the  button till heard “Di” sound, and then loosen it.
3	Cleaning	Green light on	Press  on remote controller or press the  on device and enter the auto-cleaning mode.
4	Recharge	Green light indicate	Press the  on the remote control for recharge or press 2 times on power button .
5	Charging	Green LED indicator	recharge on the dook station.
6	Fully Charged	Green light on	The battery is fully charged.
7	Error	The red light is on or flickers and the buzzer sounds.	The device is abnormal or fails.
8	Coding	The buzzer sounds three times	In power off mode, long press  till light flashes, then press  on remote controller, till heard buzzer 3 times, it means the coding is successful.
9	Suspend	Light-off	The device will enter the suspend state after standby 5 mins.

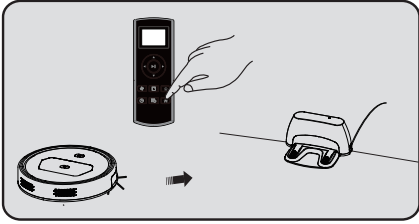
4.2 Charging Methods

4.2.1 Manual Charging:



1.Charging with the Charging Station:

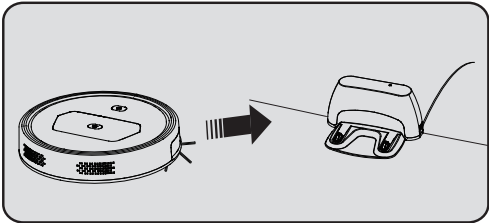
After connecting the power adapter to the charging station and join the power cord, you can place the cleaner on the charging station for charging (The green indicator for recharge button will flicker during the charging, and will light on after the cleaner is fully charged).



2.Charging via the Remote Control:

Join the cleaner with the remote control according to the code first, and then press the  button. The cleaner will automatically search for the charging station.

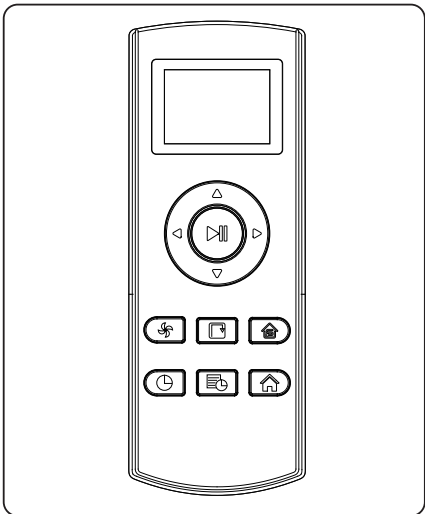
4.2.2 Auto Charging:



Automatic Charging:

The green indicator for recharge button will flicker and the device will enter the recharge mode if the power is low during the operation of the device.

4.3 Use of Remote Control



Introduction of remote control buttons	
	Forward Button
	Left-turn Button
	Start/Stop Auto Cleaning
	Right-turn Button
	Back Button
	Suction Adjustment
	Edge Cleaning Button
	Single Room Cleaning
	Time Setting
	Scheduling
	Auto-charging

Tips:

1.Customers should operate the cleaner within 7 meters distance covered by WIFI signal with our remote control; otherwise, the operation fails.

2.When press the "auto-recharge" button, the vacuum cleaner will may fail to return to the charging base either because of complex surrounding obstacles or running-out-of batteries.

Guidelines of Remote Control Use:

Function Guidelines	Function Information
Start/Stop 	1.When the cleaner is in standby mode, press the button to enter the auto-cleaning mode. 2.When the cleaner is at any cleaning mode, press the button to shift it to standby mode. 3.When setting the time, press this button to hold settings.
Forward 	Long-press the button and the cleaner will forward; releasing, it stops moving.
Left-turn 	Long-press the button and the cleaner rotates counterclockwise; releasing, it stops.
Right-turn 	Long-press the button and the cleaner rotates clockwise; releasing, it stops rotating.
Back 	Long-press the button and the cleaner moves backward less than 20cm before stop to prevent it from falling off stairs or anywhere;releasing,it stops moving
Suction Regulation 	1.Press this button once and the buzzer will give a sound. The suction at the lower gear will be 600 Pa. 2.Press this button again and the buzzer will give two sounds. The 800Pa and 1100Pa will switch automatically. 3.Press it once again and the buzzer will give three sounds. The suction at the high gear will be 1300Pa.
Edge Cleaning 	1.Press this button and the cleaner will enter the edge cleaning mode. 2.The cleaner will automatically enter the recharge mode after the edge cleaning.
Single Room Cleaning 	1.Press this button and the cleaner will enter the sing-room cleaning mode. 2.The cleaner will automatically clean 30 mins at this mode. 3.It will automatically enter the recharge mode after cleaning.
Time setting 	1.In the ON state, press this button and  and  on the screen will flicker. Set the hour by pressing “ Up ” or “ Down ” button. 2.Press the  button/  button and switch to  for minute setting. 3.After setting, press the Start/Stop button or Time Setting button to save it.

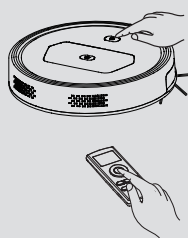
Function Guidelines	Function Information
Scheduling 	1. In standby mode, press this button and the  and  on the display screen will flash. then press Up/Down key to adjust the hour. 2. Press the  button/  button and switch to  for minute setting. 3. After setting, press the  button or  button for saving. The cleaner will utter a sound after receiving the command from the remote control. 4. Long-press the  button and you can cancel the presetting.
Auto-charging 	1. Press this button to shift it to recharge mode.

Note: If the remote control doesn't respond, check the battery power. The cleaner can't be controlled at enough battery power, so please recoding the remote control.

Coding Steps of Remote Control: (Confirm whether the cleaner and the remote control have enough power first, and then operate as follows)

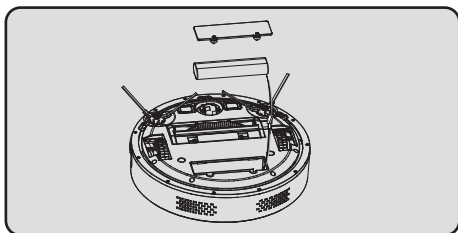
- A. Keep the cleaner in the standby mode;
- B. Press the  button and not releas;
- C. Waiting 6s the machine will start to reset its code. The power indicator will flash.
- D. Press the  button, When listened the "didi" sound 3 times, then release the butoon, the pairing code process is finished.

Remarks: If no beep is heard, it means the coding fails. Repeat the above process.



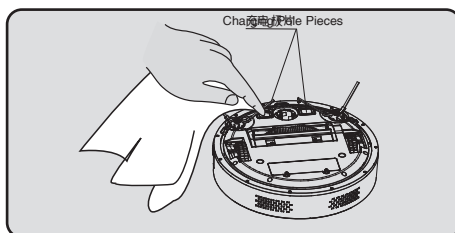
5. Product Maintenance

5.1 Daily Storage



If do not use the cleaner for a long time please fully charge the battery first and store it in a dry place. Keep the bottom of the cleaner dry.

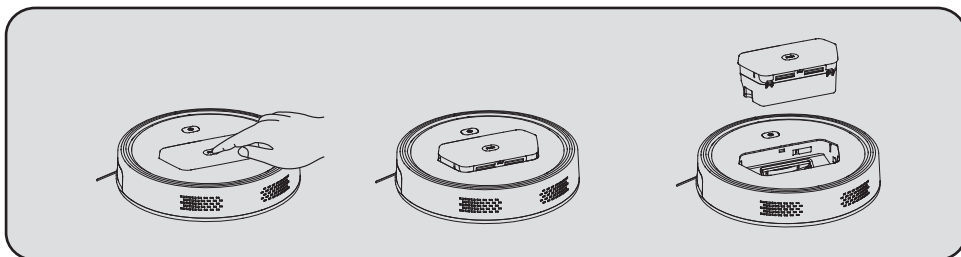
5.2 Cleaning of Charging Pole Pieces



1. Please turn off the power switch or disconnect the power plug first.
2. Please clean the charging pole pieces monthly with dry cloth.
3. Do not use oil for scrubbing.

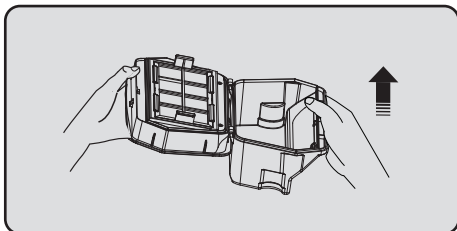
5.3 Clean the Dust Box

5.3.1 Assembly and Disassembly of Dustbin

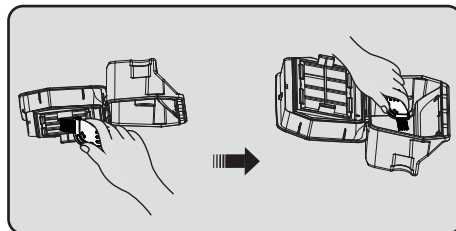


As shown in the above figure, press the  button on the box and the box will pop out. Then, take out the dustbin.

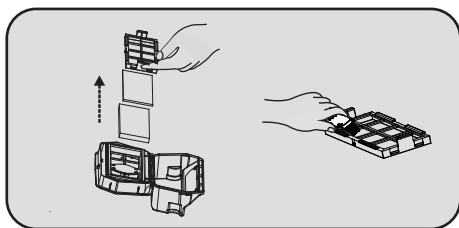
5.3.2 Clean the dust box



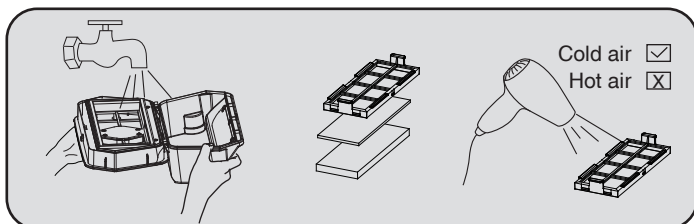
1. Open the baffle first, and then pour out the dust.
- Tips: The dustbin should be cleaned periodically.



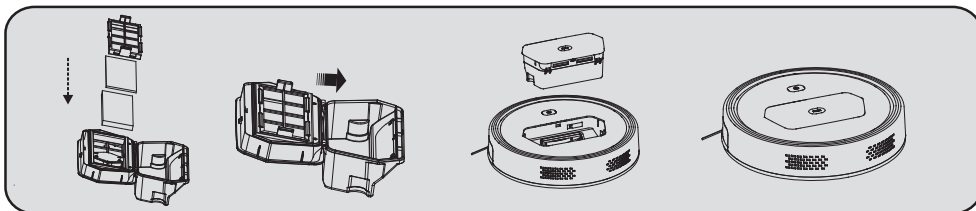
2. Please clean the dustbin with the cleaning brush.



3. After take out the filter, wipe off the dust with the cleaning brush.



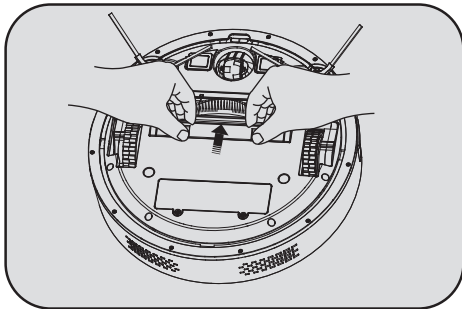
4. The dust box can be washed with running water. (Note: the dust box should be completely air-dried before re-inserting)



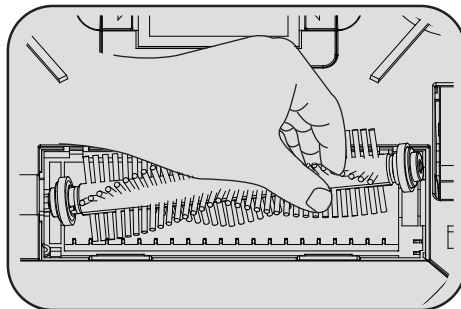
5. After cleaning, re-assemble the filter in the dustbin first, and then, insert the dustbin into the cleaner.

5.4 Clean the Main Brush

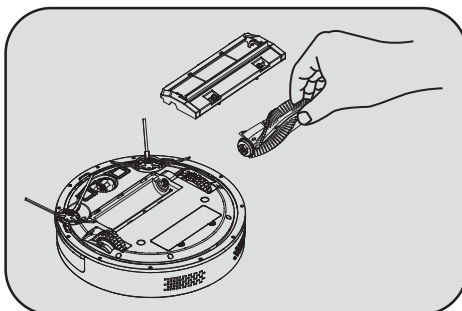
5.4.1 Disassemble the Main Brush



1. Push the locking-bar buckle and lift it upward.

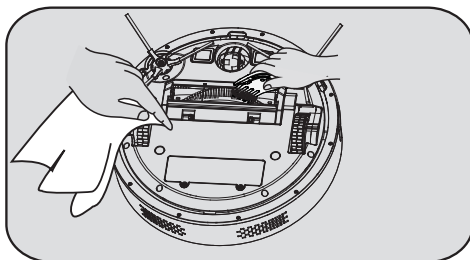


2. Clutch the main brush and lift it upward.

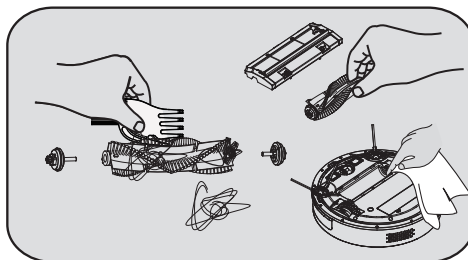


3. Take out the middle brushes and its scraper assembly.

5.4.2 Cleaning the main brush and the rubber brush

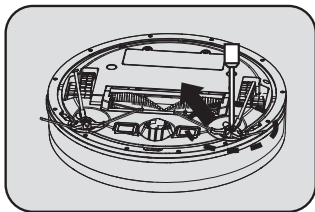


1. Please clean the main brush and plastic brush with the cleaning brush regularly.

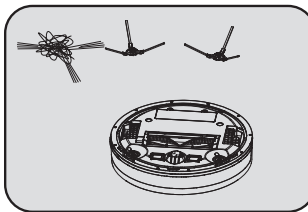


2. Please remove the hair and other entanglements on the main brush regularly.

5.5 Clean the Side Brush

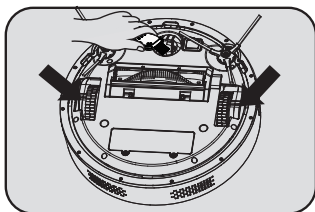


1. Unscrew the screws on the side brush with a screwdriver.



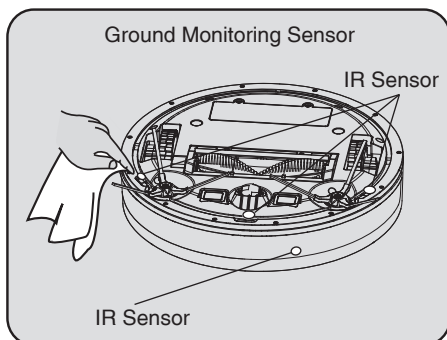
2. Take out the side brush, tidy the hair and trash on and inside the side brush base.

5.6 Clean the Wheels



Clean the front, left and right wheels regularly with a cleaning brush.

5.7 Clean the Sensors



After each cleaning work is completed, dry cotton cloth is used to dry the transparent plate to prevent dust from being accumulated on the plate so as to affect the performance of this product.

6. Common Faults

Error-flash indicator	Fault Names	Fault Forms	Solutions
Flash red light 2 times with one sound	Failure of left wheel	The left wheel doesn ' t rotate and is overloaded.	Please check if there are twisters on the left wheel of the device.
Flash red light 3 times with one sound	Failure of right wheel	The right wheel doesn ' t rotate and is overloaded.	Please check if there are twisters on the right wheel of the device.
Flash red light 5 times with one sound	Failure of front wheel or stucked	The front wheel gets stuck and doesn ' t rotate.	Please check if there are twisters on the small wheels of the front wheel.
Flash red light 6 times with one sound	Failure of ground inspection or devide taking off	The cliff inductor is dirty.or cleaner will stop if off-ground 1s	Please check if the induction window on the bottom of the device is covered abnormally.or put cleaner on ground again.
Flash red light 7 times with one sound	Low electricity of battery	The battery power has been extremely low (non-recharge critical voltage).	Please let the device return to the charging station for charging put cleaner on ground again.
Flash red light 8 times with one sound	Failure of front collision	The switch can ' t be reset due to collision of top cover.	Please check if the collision buffering is normal and whether it is loose.
Flash red light 9 times with one sound	Failure of middle main brush	The middle brush gets stuck	Please check if there are twisters on the middle main brush
Flash red light 10 times with one sound	Failure of side brushes	The side brushes get stuck	Please check if there are twisters on side brushes
Flash red light 12 times with one sound	Failure of fan	The fan doesn ' t rotate but with large current.	Please check if the blades of the fan are loose or wrapped by hair and cloth.
Flash red light 13 times with one sound	Failure of dust box	The dust box isn ' t installed in the cleaner.	Please install the dust box in the cleaner and start cleaning again.
Flash red light 14 times with one sound	Failure of charging	The device can ' t be powered or show the charging state.	Please check the battery connection or change a new battery.

 Warm tips: If corresponding faults cannot be removed, please contact our after service team.

7. Technical Parameters

Main Body Parameters	Accessories Parameters
Working Voltage 14.4V 	Adaptor
Rated Power 24 W	Output Voltage 19V 
Battery Lithium battery	Output Current 600mA 
Battery Capacity 2500mAh	Charging Station
Charging Time 4-5H	Input Voltage 19V 
Working Time about 90min	Remote Control
Work Temp Range -20℃~50℃	RC Distance 7m
Work Humidity Range ≤ 80%RH	Battery AAA (#7) Dry Battery *2
Voice ≤ 70dB	
N.W. 3.5Kg	
Specification Φ326*82mm	

⚠ Remarks: our company reserve the right due to the need fo rany technology, product design changes on products improvement. The power of interpretation is owned by our company.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

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.

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Shenzhen Silver Star Intelligent Technology Co.,Ltd.

Address: Building A1,Silver Star Hi-Tech Industrial Park, Guanguang Road, Guanlan Street, Longhua District, Shenzhen, Guangdong, China

Web:www.yxrobot.com

Alibaba:<http://yxrobot.en.alibaba.com>

