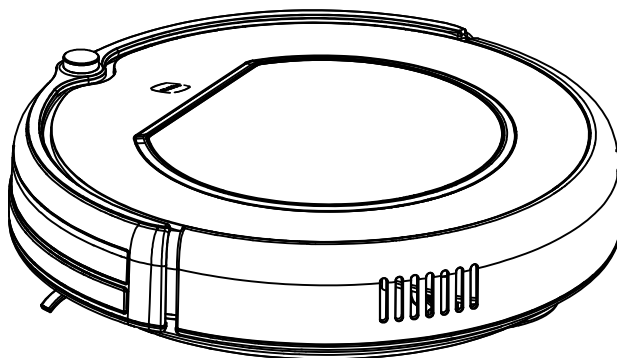


Robotic Vacuum Cleaner

Model: X500

# User Manual





---

# Table of Contents

---

<b>Safety Instructions</b>	1
<b>Product Features</b>	2
<b>Product Parts</b>	3
Main body and accessories	3
Robot anatomy	4
Name of each part (1)Charging home base & Virtual wall	5
Name of each part (2) Remote control	6
Name of each part (3) Display panel	7
<b>Product Operating</b>	8
How to get started	8
Starting up/Pause/Sleeping	9
Scheduling	9
Cleaning mode	10
Virtual wall use	10
<b>Product Maintaining</b>	11
Cleaning side brushes	11
Cleaning dust bin and filters	11
Cleaning sensors and wheels	12
<b>Troubleshooting</b>	13
Error code sheet	13
<b>Product Specifications</b>	14



---

# Safety Instructions

---

**Before using this product, please read the following safety instructions and follow all normal safety precautions.**

- Read this user manual thoroughly and carefully before using this product.
- Save this user manual.
- Any operations that oppose to descriptions in this user manual may lead to harm to human or this product.

## **WARNING**

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 use of the appliance in a safe way and understand the hazards involved.
2. Children shall not play with the appliance.
3. Cleaning and user maintenance shall not be made by children without supervision.
4. Only the certified technician may disassemble the product. Users are not allowed to disassemble or repair the product.
5. Only use the adapter provided by the factory. Using other un-matched adapter may cause electric shock, fire or product damage.
6. Do not touch the power cord, plug or adapter when your hands are wet.
7. Do not make clothes or part of a body drawn into the product's wheels.
8. Do not make this product close to cigarette, lighter, match or any flammables.
9. If the product is needed to clean, clean it after charging is stopped.
10. Do not over-bend the power cord or pressure the power cord with heavy or sharp objects.
11. This product is used only indoors, do not use it outdoors.
12. Do not sit on top of this product or attach an object on the top of it.
13. Do not use this product in wet or moist environment (any environment with liquid).
14. Before use, collect the floor environment(remove all the fragile objects and cords, clothings papers and drapes, etc that may get caught in the product).
15. Do no place this product where it is easy to drop off (tables, chairs, etc).
16. Turn off the power switch when you don't need to use this product for a long time.
17. Before use, check whether adapter and outlet are properly connected.
18. To avoid tripping, inform all the people in the house when this product is working.
19. The product may not be able to pass through steps over 10mm.
20. Use this product in temperature from 0°to 40°(centigrade degree) and do not place this product in high-temperature environment.
21. The battery must be removed from the product before it is scrapped.
22. The product must be disconnected from the supply mains when removing the battery.
23. The battery is to be disposed of safety.



---

# Product Features

---

## Powerful Suction & Intelligent Suction Adjustment

### Powerful suction

Suction power of this product reaches 25 W, ensuring that even tiny dust on the floor will be cleaned thoroughly.

### Intelligent Suction Adjustment

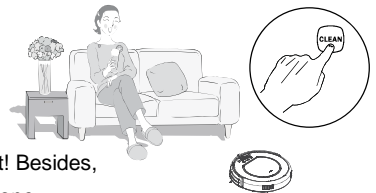
This product is able to automatically adjust its suction power when meeting different floor environments. Not only could it make cleaning more efficiently, but also it helps save power for more than 30%!

## Considerate Designs

### Easy step-by-step operation

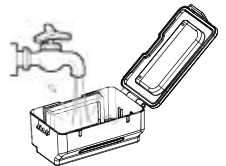
By pressing only ONE button, you could easily direct the robot! Besides, operations you take on the robot will be double confirmed by tone.

Press “CLEAN”, and follow tone demonstration, let your robot start working for you.



### Dust bin wash

Dust bin could be washed by water. Simply wash dust bin under water per use to avoid dust blowing in the air to cause a second polluting!



## Various Cleaning Modes

Four cleaning modes are provided to meet your needs.

### 1. Auto cleaning mode

The robot will clean a room automatically and adjust its cleaning according to the situation.

### 2. Spot cleaning mode

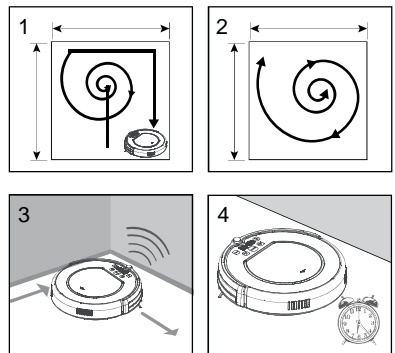
The robot will spiral intensely when it detects a dirtier area.

### 3. Edge cleaning mode

When the robot detects obstacles (wall for example), it will start cleaning the corner with its two side brushes.

### 4. Scheduling mode

When certain time is scheduled, the robot will leave the home base and start working in the scheduled time.

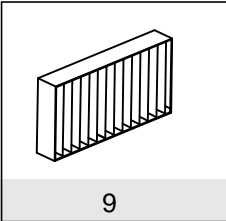
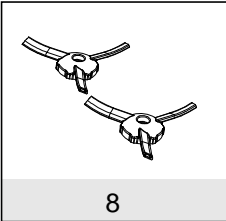
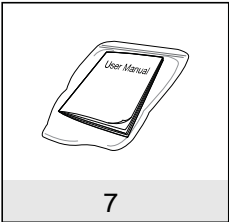
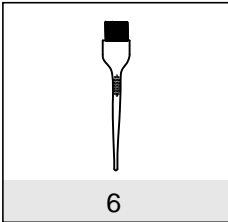
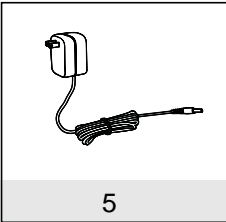
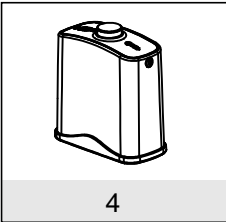
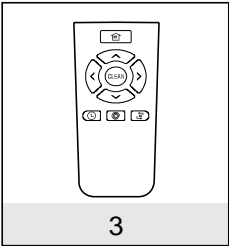
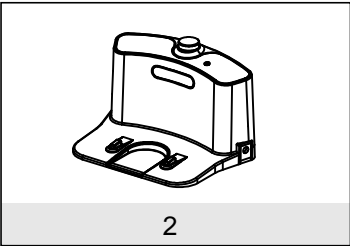
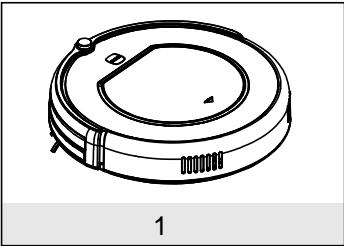




# Product Parts

## Main body and accessories

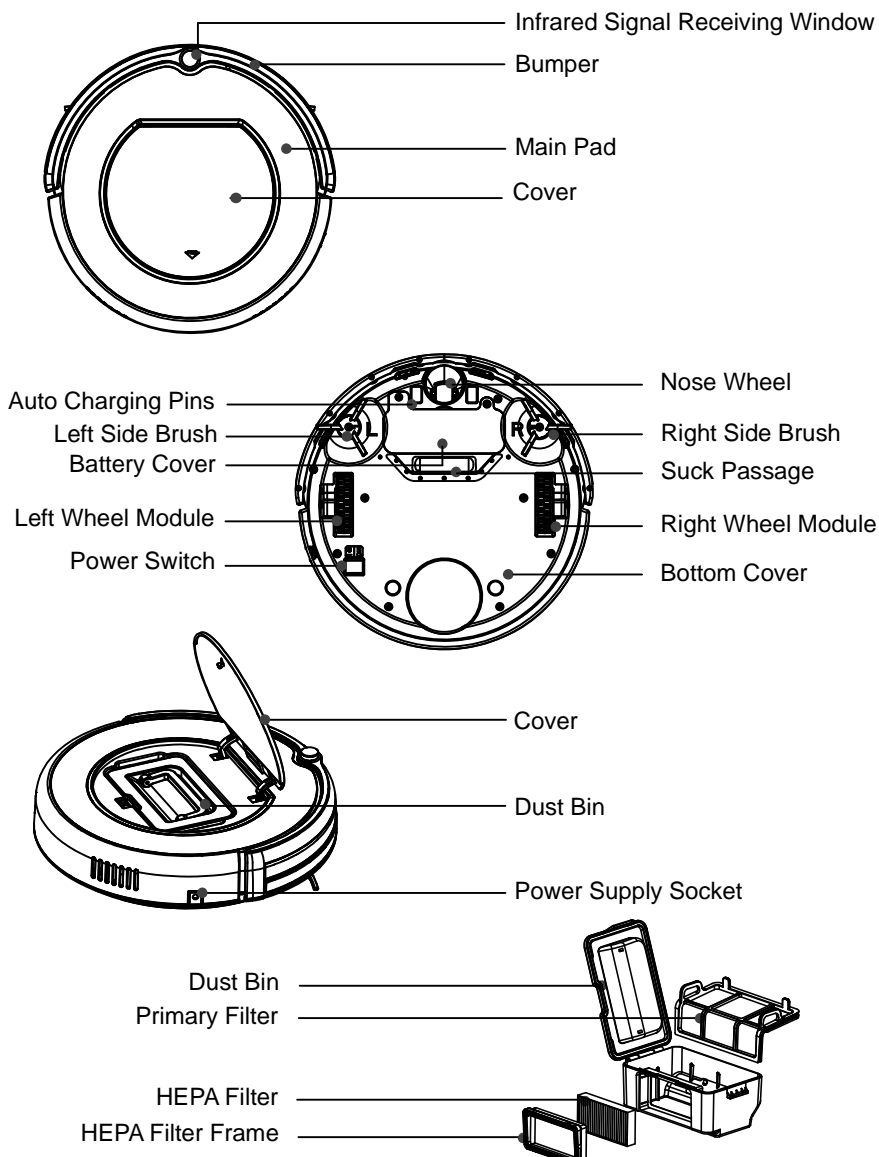
NO.	Description	Q'ty
1	Main Body	1
2	Charging Home Base	1
3	Remote Control(battery not included)	1
4	Virtual Wall(battery not included)	1
5	Adapter	1
6	Cleaning Tool	1
7	User Manual	1
8	Extra Side Brushes	2
9	Extra HEPA Filter	1





# Product Parts

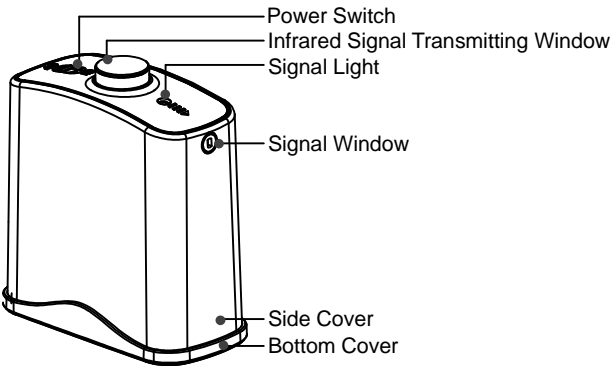
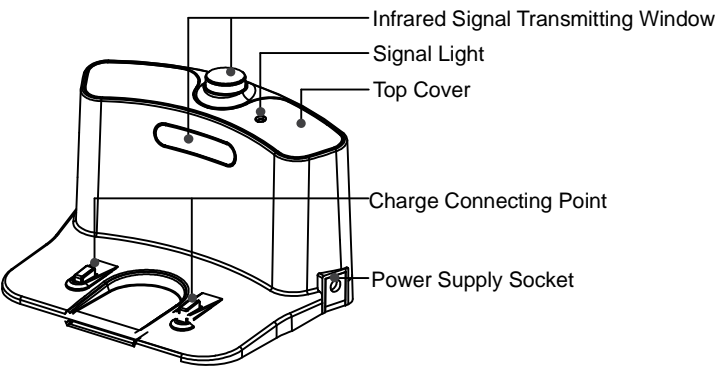
## Robot anatomy





# Product Parts

## Charging home base & Virtual wall



### ■ Installing virtual wall battery

1

Lift the cover of the virtual wall;

2

Install two R20/D type batteries into the virtual wall as shown by the figure.

3

After inserting the tip of the cover into the slot, push the other end to close it until it clicks into place.

Note: If not used for long time, please pull the batteries out.



## Product Parts

### Remote control

1. “” Home button

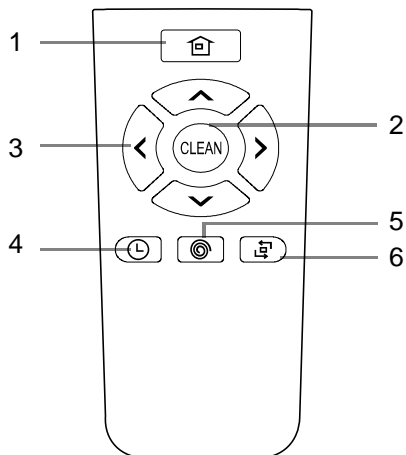
2. “” Clean/Power button

3. “” Directional Buttons

4. “” Scheduling button

5. “” Spot button

6. “” Edge button



You could use the remote like your TV remote.

First make sure the power switch at the bottom side of the robot is on, then pointing it towards the robot and using it to control the robot.

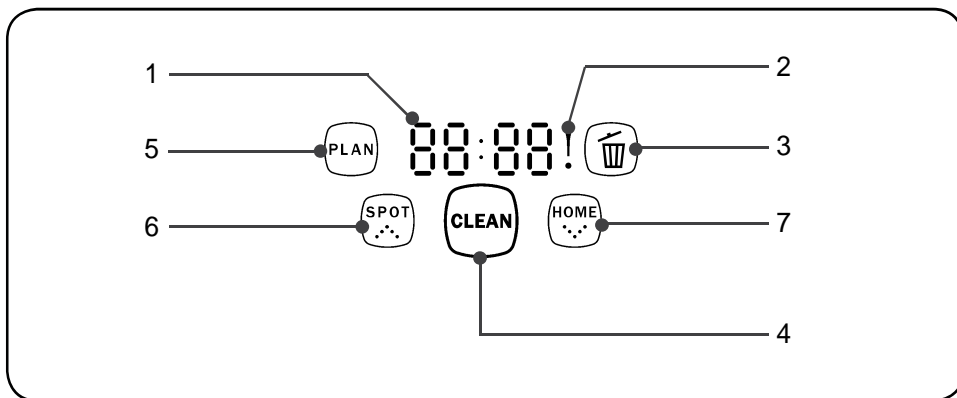
\*Install two AAA type batteries into the remote.

\*If you use the remote near charging home base, it may not recognize command from the robot and may not work.



# Product Parts

## Display panel



### Display part

1. "88:88" Number display  
Shows the timer display, progress status, charging status, and error codes by using numbers, letters and graphics.
2. "!" display  
Shows the error that occurs.
3. "🗑️" display  
It flashes constantly when dust bin is full or suck passage is blocked.

### Button part

4. "CLEAN" Clean  
Press "CLEAN" to finish below operations:  
A. To change from sleeping mode to selected mode; or keep press this button to change from selected mode to sleeping mode.  
B. To confirm scheduling in scheduling mode.  
C. To start cleaning in selected mode.
5. "PLAN" Scheduling  
A. Press "PLAN" to enter scheduling mode.  
B. Press this button to exchange between hour to minute in scheduling mode.  
C. Keep pressing this button for 5 seconds to cancel scheduling in scheduling mode.
6. "SPOT" Spot/ Increase  
A. Press this button to increase number in scheduling mode.  
B. Press this button to start spot cleaning.
7. "HOME" Home/ Decrease  
A. Press this button to decrease number in scheduling mode.  
B. Press this button to return the robot to charging home base.

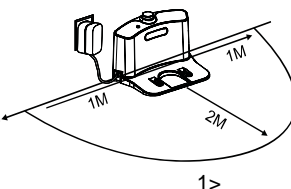


# Product Operating

## 1. How to get started

### 1>. Place charging home base, plug in adapter, then signal light on charging home base will flash.

Note: Put charging home base against the wall and remove obstacles about 1 meter at two sides and about 2 meters forward.



### 2>. Turn on the Power Switch on the bottom side of the robot, then display will flash.

(If no command received, the robot will turn to SLEEPING mode after 20 seconds.)

Note: A. Please always keep the power switch turning on. If not, it is unable to make the robot work.

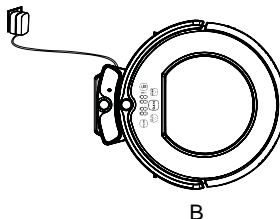
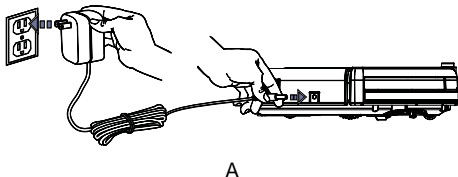
B. If power switch is turned off, all the scheduling will be lost.

**Caution: Before charging the robot, please make sure the power switch is turned on, or else the robot can not be charged and display panel will show E10.**

### 3>. Charge the robot in either way as shown below:

A. Plug the adapter into the robot and outlet;

B. Press HOME on main body or on remote control to make robot return to charging home base for charging itself.



Note:

A. When robot is charging, display panel will show 1111, and repeat from right to left.

B. When battery is low, display panel will show "Lo".

For better extending battery life:

A. Before first use, charge the robot overnight. When charging is finished, display panel will show FULL.

B. In normal use, always store the robot on charging home base with base plugged in.

C. If the robot is not used for long time, turn the power switch off, fully charge the battery, remove and store it in a cool, dry place.



## 4>. Auto charging

The robot will automatically return to charging home base when battery is low.



---

# Product Operating

---

## 2. Starting up/Pause/Sleeping

### 1>. Starting up

A. Make sure the power switch is on;

B. Press CLEAN button on main body or on remote control to start cleaning.

Note: If robot is in sleeping mode, press CLEAN button to wake the robot up from sleeping mode.

Then press CLEAN for a second time, the robot starts cleaning automatically.

### 2>. Pause

To exchange robot from cleaning mode to selected mode:

A. Press either button among PLAN, SPOT, CLEAN and HOME buttons on main body;

B. Press CLEAN button on remote control.

Note: When robot is paused, press CLEAN to make robot to re-start cleaning.

### 3>. Sleeping

To turn robot into sleeping mode from selected mode:

A. Keep pressing CLEAN on main body for 3 seconds.

B. Robot will automatically enter sleeping mode if no command received after 20 seconds.

## 3. Scheduling

You can schedule to let the robot start cleaning from a certain time. (Time delay up to 23 hours.)

For example, it's 9:00AM now, you set 6:30 on the robot, the robot will start cleaning after 6 hours and 30 minutes, that is 15:30 PM. And then the robot will start cleaning at 15:30PM everyday.

Note: The robot will always work at the scheduled time unless power switch on bottom side of the robot is turned off.

### How to schedule the robot?

(1). On main body

A. First press CLEAN to wake the robot up, then press PLAN to enter scheduling mode.

B. Press SPOT and HOME to set time and press PLAN to switch between hour and minute.

C. Press CLEAN to save the setting.

To cancel, keep pressing PLAN for 5 seconds in scheduling mode.

(2). On remote control

A. First press CLEAN to wake the robot up, then press SCHEDULE to enter scheduling mode.

B. Press directional buttons to set the schedule. Press “ $\wedge$ ” to set the numbers.

Both SCHEDULE and “ $\leftarrow$ ” could switch between hour and minute.

C. Press CLEAN to save the setting.

To cancel, make the number to “00:00” or keep pressing PLAN on main body for 5 seconds in scheduling mode.

Note: In scheduling mode, each operation you take will be double confirmed by tone.



---

# Product Operating

---

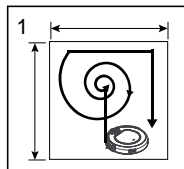
## 4. Cleaning mode

### 1>. Auto cleaning

The robot will clean a room automatically and adjust according to the situation.

Note:

- Press CLEAN button on robot or on remote control to start auto cleaning.

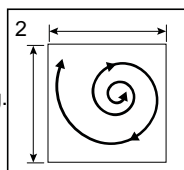


### 2>. Spot cleaning

The robot will automatically enter spot cleaning mode when it detects a dirtier area, or you could press SPOT on robot or remote control to start spot cleaning.

Note:

- If manually select spot cleaning, press CLEAN to stop it. Or it will automatically stop after the area is cleaned and then the robot will turn to selected mode.

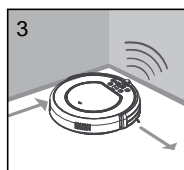


### 3>. Edge cleaning

Put the robot near the edge (wall) and press EDGE on remote to start edge cleaning.

Note:

- If manually select edge cleaning, press CLEAN to stop it, or it will automatically stop when the robot finds the charging home base.



## 5. Virtual wall use (virtual wall is optional accessory)


Virtual wall is used to prevent robot from entering off-limit area. For best results, place virtual wall on outside of the doorway you want to block.

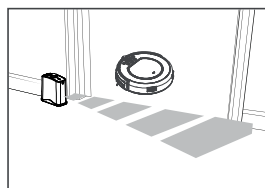
The virtual wall could create a light stripe as long as 3 meters.

1>. After batteries installed, turn on the power switch.

2>. Put the virtual wall where you want it to work.

Note:

- When using virtual wall, put “” side of virtual wall towards the area you want to set.
- Turn the power off when not using virtual wall.





---

# Product Maintaining

---

## 1. Cleaning side brushes

Clean the side brushes when it gets dirty and replace if it's damaged.

Note: Before replacing side brushes, check and make "L", "R" mark on side brush match with the "L", "R" mark on bottom base of the robot.

## 2. Cleaning dust bin and filter

Clean and empty dust bin after each use, steps are as shown in below figures.

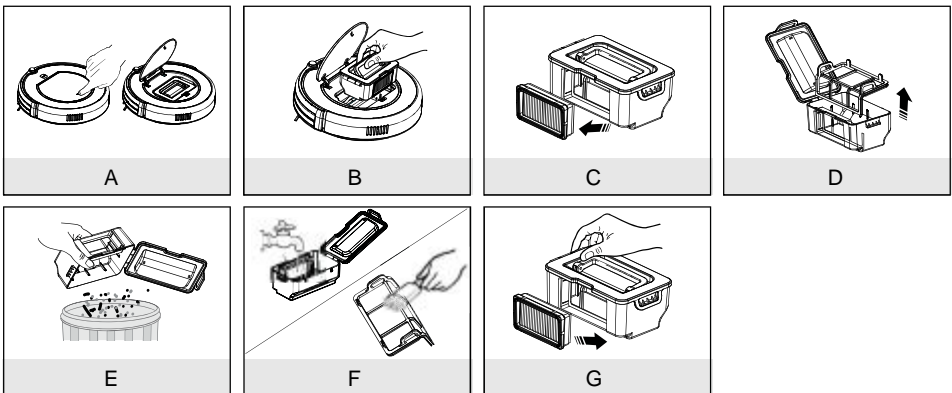
**Note:**

\*After taking out dust bin, check whether there is foreign matter stuck in suck passage and clean it.

\*Wash HEPA filter after 15-30 days' use.

\*After wash HEPA and primary filter, dry them in ventilated&cool place and install after they are dry.

\*Dust bin and filters (including HEPA and primary filter) could be replaced if needed.





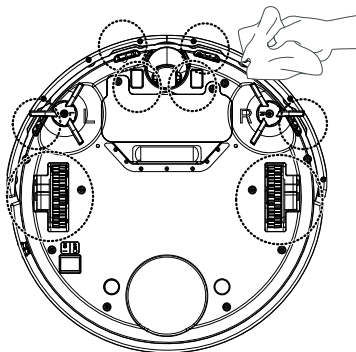
---

## Product Maintaining

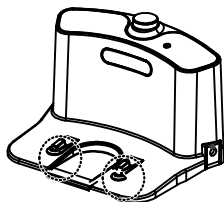
---

### 3. Cleaning sensors and wheels.

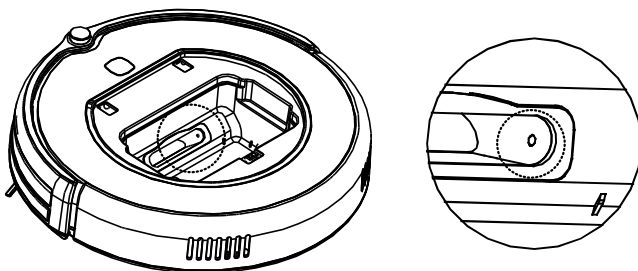
Slightly wipe cliff sensors, auto charging sensors and wheels with cleaning tool or a soft dry cloth, as shown in figure below.



Clean charge connecting points on charging home base.



Clean suck passage and dust sensor as shown in figure below.



Note:

Never let water, thinner, etc directly touch the sensor window.




---

# Troubleshooting

---

## 1. Error code sheet

When the robot meets with some routine troubles, it will remind you by tone and error code will show on the display panel.

Error Code	Cause	Solution
<b>E01</b>	Left wheel no work	Check left wheel
<b>E02</b>	Right wheel no work	Check right wheel
<b>E04</b>	Main body is picked up	Re-place the robot on the floor
<b>E05</b>	Cliff sensor failure	Clean cliff sensors first, if still no work, send to seller for repairing
<b>E06</b>	Bumper sensor failure	Check bumper's sensitivity or foreign matter
<b>E07</b>	Left brush no work	Check left brush
<b>E08</b>	Right brush no work	Check right brush
<b>E09</b>	Main body gets stuck	Move main body and start again
 <b>and ! flash</b>	Dust bin full or suck passage blocked	Clean dust bin and suck passage
<b>E10</b>	Power switch is off	Turn on the power switch

Note: If all above solutions don't work, please take below actions:

1. Re-set the robot by re-turning on the power switch on the bottom side;
2. If re-set action doesn't work, please send the robot to seller for repairing.



---

# Product Specifications

---

Classification	Item	Detail
Mechanical Specifications	Diameter	340mm
	Height	90mm
	Weight	3.0kg
Electrical Specifications	Power voltage	14.4 V
	Battery specifications	Ni-MH 2000mAH
Cleaning Specifications	Dust bin capacity	0.3L
	Charging type	Auto Charging/ Manual Charging
	Cleaning mode	Auto, Spot, Edge, Daily Schedule
	Charging time	About 200-300min
	Cleaning time	90min at maximum
Main Body Button Type		Touch(LED display)

Note: Product storage temperature: -20°to 50°(centigrade).