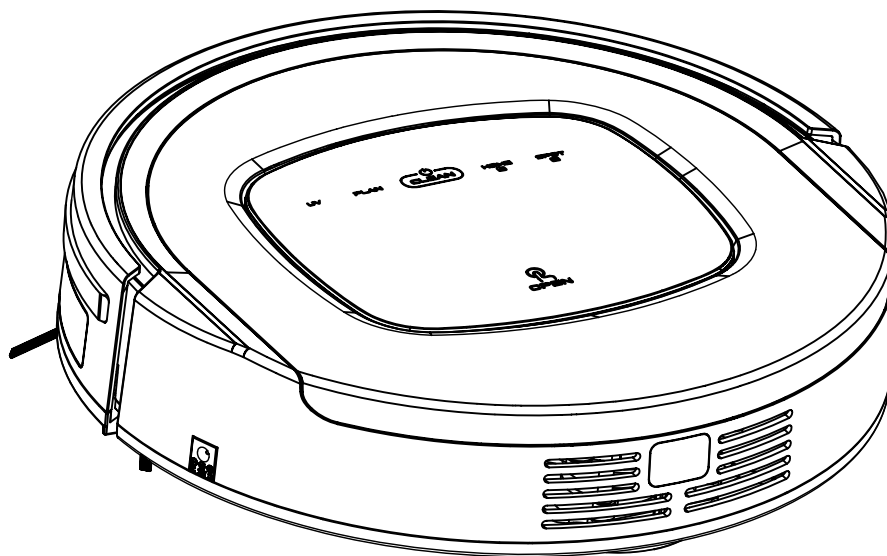


# Robotic Vacuum Cleaner Cleanmate S 800

## User Manual



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# Safety Instructions

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Before using this product, please read the safety instructions and follow all regular safety precautions.

1. Only authorized technicians can disassemble the product. Users are not allowed to disassemble or repair the product.
2. Only use the original battery and power adaptor of the product for charging. Using an unmatched adaptor may cause electric shock, fire or product damage.
3. Do not touch the power cord, plug or adaptor with wet hands.
4. Do not use this product in wet or moist environment (any environment with liquid), e.g. bathroom or laundry.
5. Do not have curtain, or all kinds of wrapping material or part of user's body wound in the drive wheels.
6. Before use, clear the object on the floor (remove all fragile objects and cords, clothing, papers, loose cables, as well as make sure to lift curtains and drapes off the floor to avoid any potential accidents.)
7. Make sure this product is not close to cigarette ends, lighters, matches or any flammables.
8. Never use the product to clean combustible or highly volatile liquids, such as gasoline.
9. Only use the product indoors; do not use it outdoors.
10. If the product needs cleaning, clean it after it is fully charged.
11. Do not over-bend or press the flexible cord with heavy or sharp objects.
12. Do not sit on top of this product or attach an object on the top of it. Beware of children or pets while the product is in operation mode.
13. Do not place this product where it is easy to drop off (tables, chairs, etc.).
14. Turn off the power switch during product transportation or when you don't need to use this product for a long time.
15. Before charging, check the adaptor and outlet whether these are properly connected.
16. To avoid tripping, all people in the house should be noticed when this product is on.
17. When dust bin is full, empty it before use.
18. Use this product in temperature from 0 °C to 40 °C.
19. Do not use this product in high-temperature environment or under baking sunlight for a long time.
20. The battery must be removed from the product before it is scrapped.
21. The battery should be disposed of properly for safety sake.
22. The adaptor must be removed from the socket-outlet before cleaning, maintaining the appliance or removing the battery.

## **Warning:**

When the appliance is to be used by a child, the child must be of 8 years old and above. For persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, proper supervision or instruction should be given concerning use of the appliance in a safe way to help them understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance should not be made by children without supervision.

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# Product Features

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## Powerful Suction & Intelligent Suction Adjustment

### Powerful Suction

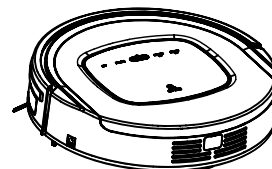
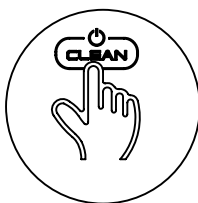
Suction power of this product is strong enough to ensure that even tiny dust on the floor will be cleaned thoroughly!

### Intelligent Suction Adjustment

This product is able to automatically adjust its suction power when different floor environments are detected. This ability not only make cleaning more efficient, but also helps to save more power (up to 30%).

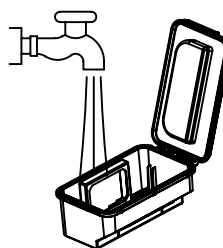
## User Friendly Design

Operation is greatly simplified,  
Touch the  button, and you  
can start the robot!



## Washable Dust Bin

Dust bin and filters can be washed by water.  
Simply wash dust bin under water after use to  
avoid dust blowing in the air to cause a second  
pollution!

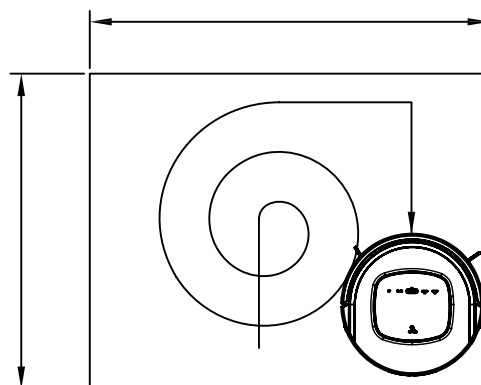


## Various Cleaning Modes

Four cleaning modes are provided to meet your  
needs.

### 1. Auto cleaning mode

The robot will clean your room automatically and  
adjust its cleaning behavior based on specific  
situations.



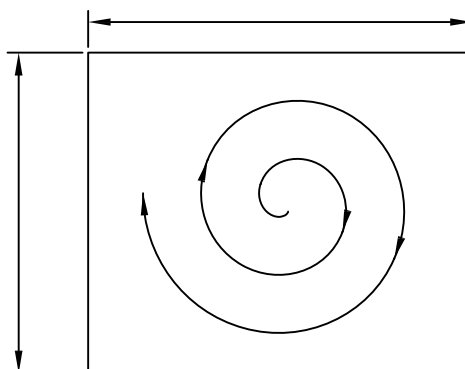
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# Product Features

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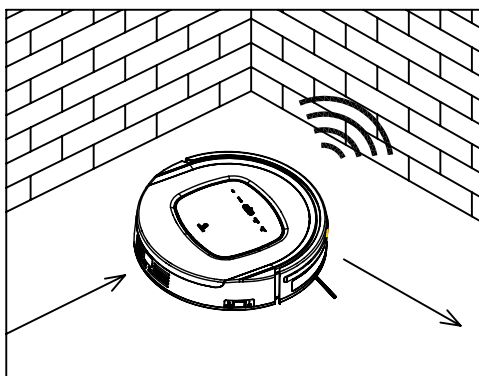
## 2. Spot cleaning mode

The robot will clean intensively in a spiral way when it detects a very dirty area.



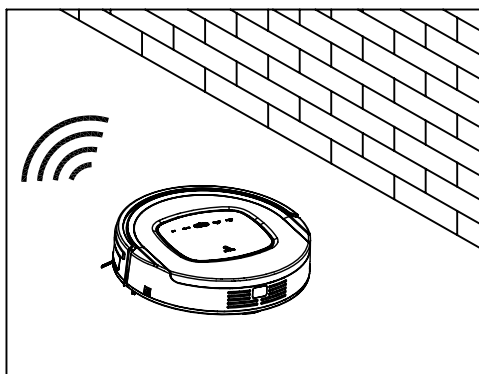
## 3. Edge cleaning mode

In this mode the robot will clean along the wall or obstacles.



## 4. Scheduling mode

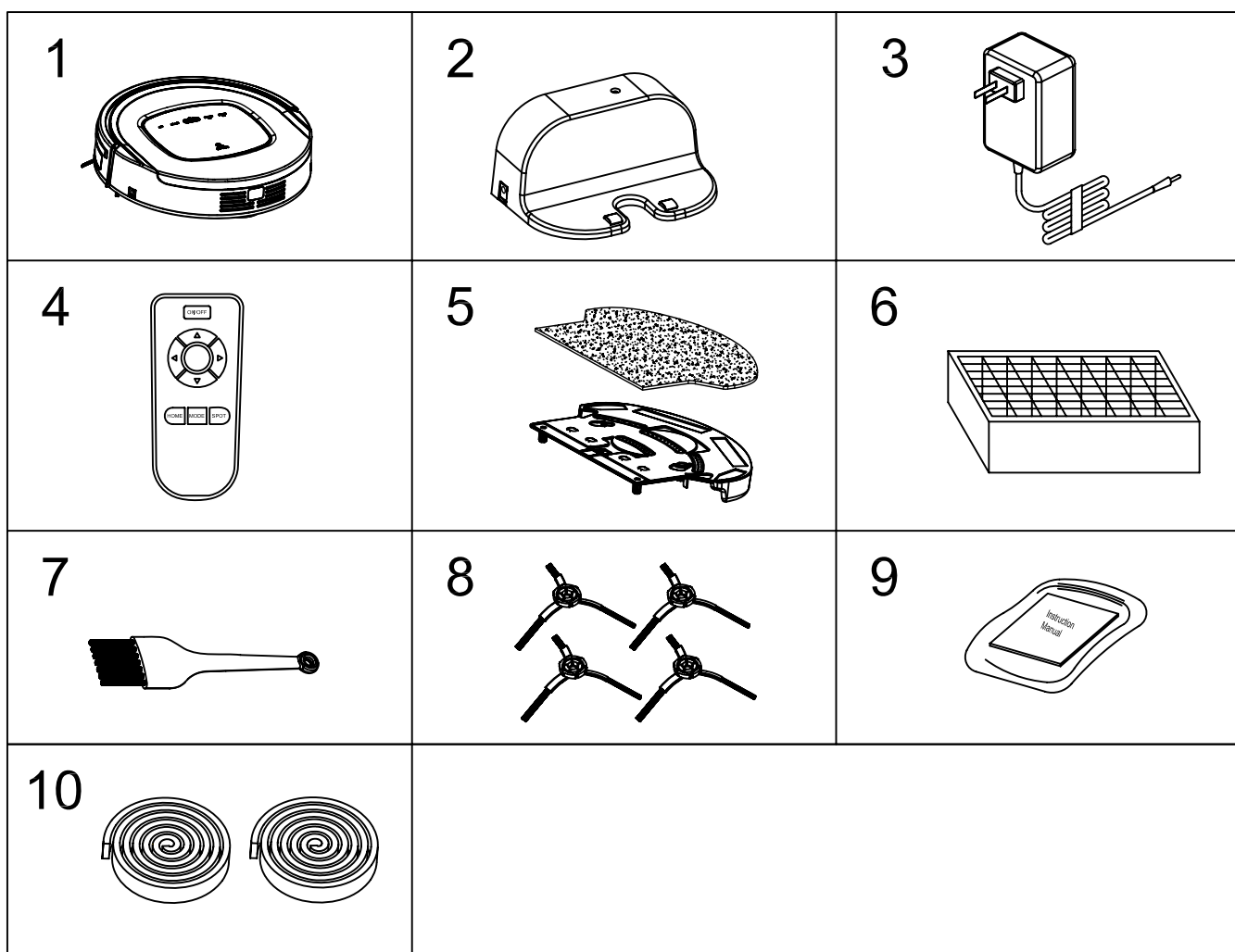
After being scheduled, the robot will leave the charging station and start working at the scheduled time.



# Product Components

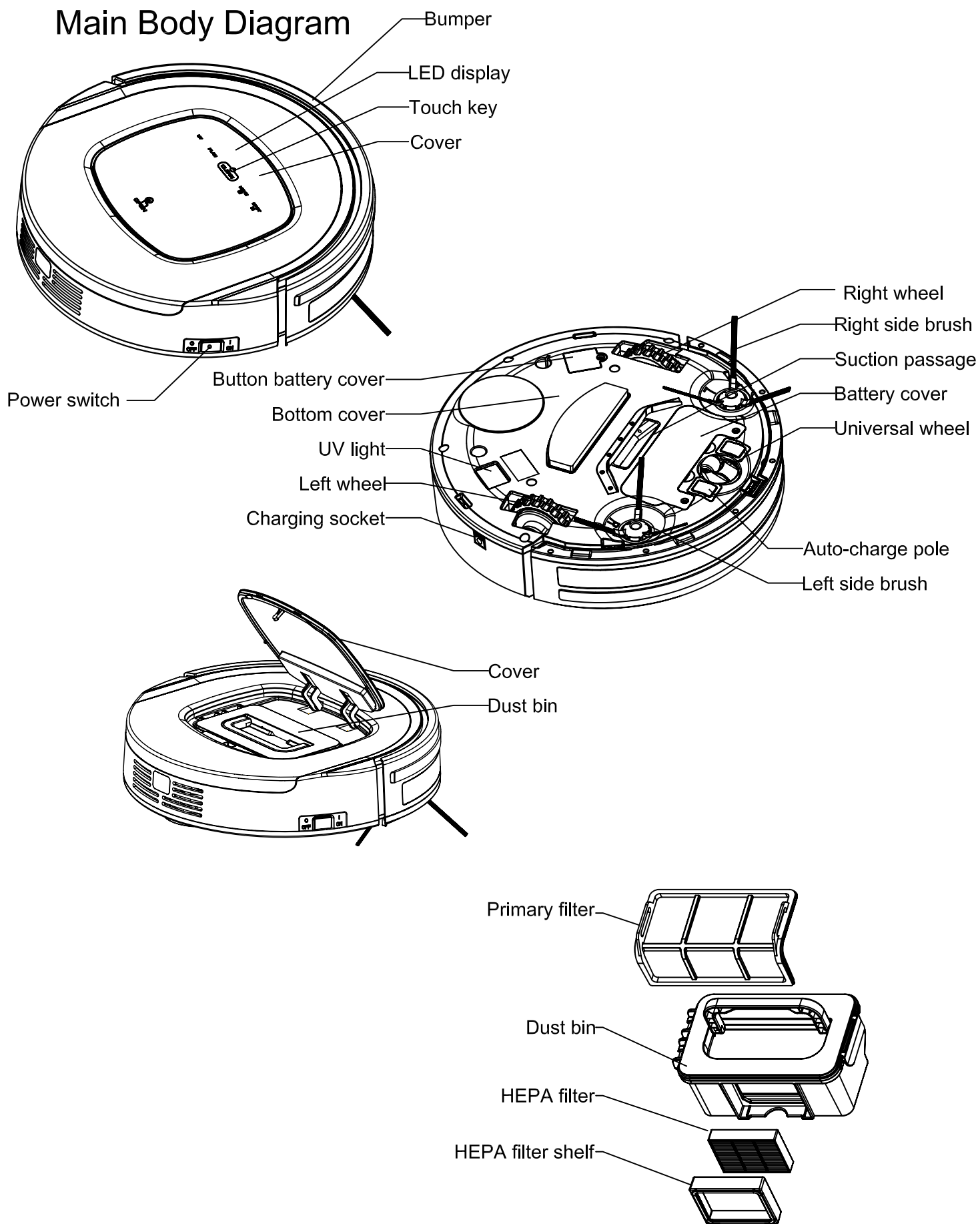
## Main Body and Accessories

No.	Description	QYT
1	Main Body	1
2	Charging Station	1
3	Adaptor	1
4	Remote Control (battery not included)	1
5	Water Tank and Moping Cloth each one piece	1
6	HEPA Filter	1
7	Cleaning Brush	1
8	Side Brushes *2 and Spare Brushes*2	4
9	User Manual	1
10	Magnetic strip	2



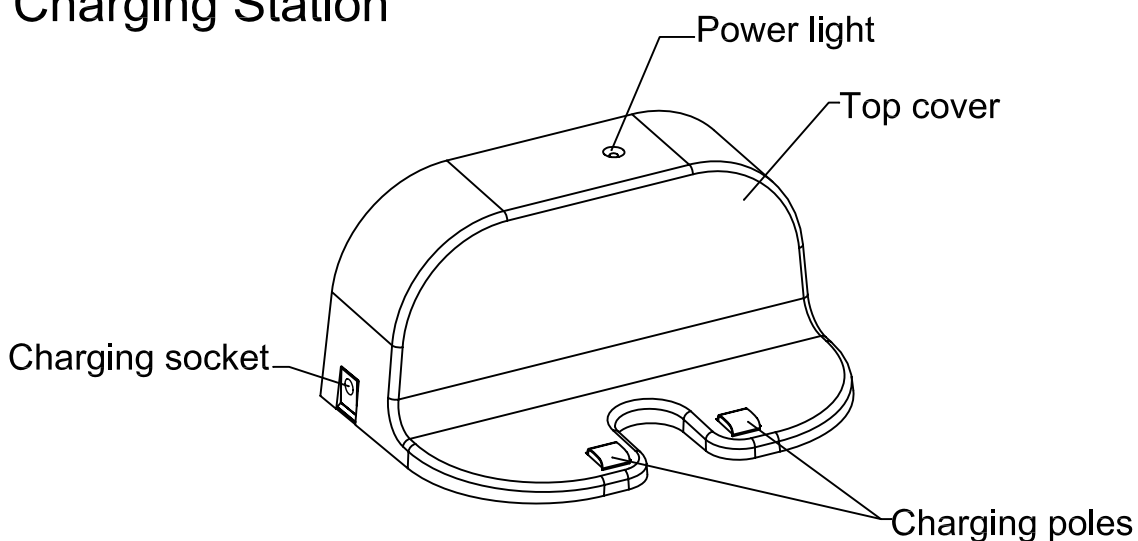
# Product Components

## Main Body Diagram



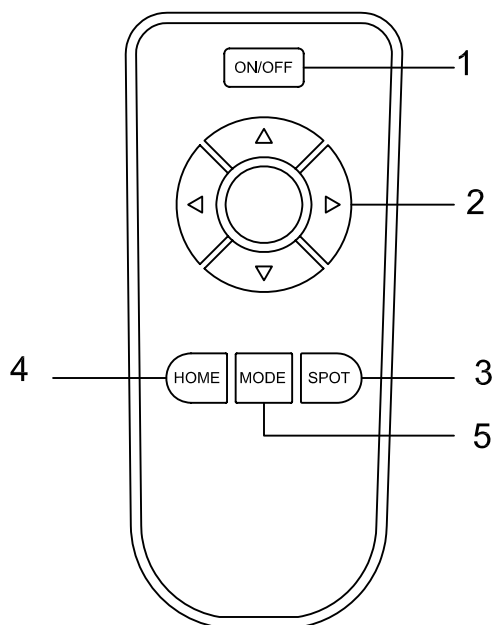
# Product Components

## Charging Station



## Remote control

1. ON/OFF
2. Direction button
3. Spot cleaning
4. Auto charging
5. Cleaning mode



### Note:

- A. Install two AAA type batteries into the remote control before use.
- B. The big round button in the middle of the 4 direction buttons, is a blank button without any function.
- C. Remove the batteries if the remote control will be left unused for a long period.
- D. If you use the remote control near the charging station, the robot may not recognize the command and may not work.

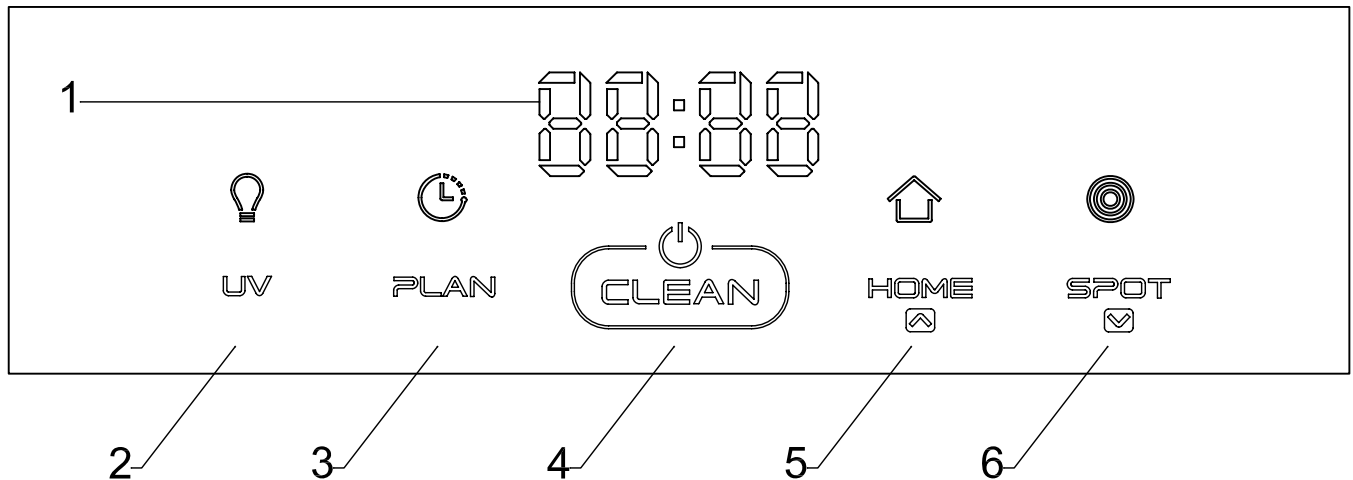


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# Product Components

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## Display Panel



## LED Panel

1. " 88:88 " LED panel

LED panel shows the time setting, charging status and error codes by using numbers, letters or graphs.

## Buttons

2. " UV " UV light button

In standby mode, press this button to preset the UV light status (on/off).  
When robot starts cleaning, the UV light will turn on/off as preset.

3. " PLAN " Schedule button

Press this button to enter/quit scheduling mode.

4. " CLEAN " Clean button

- A. Press this button to change from sleeping mode to standby mode.
- B. In standby mode, press this button and hold it for more than 3 seconds to go into sleep mode.
- C. Confirm schedule setting in scheduling mode.
- D. Start cleaning in standby mode.

5. " HOME " Auto homing / number increment button

- A. Press this button to increase number in scheduling mode.
- B. In other mode, press this button to start auto-homing and charging mode.

6. " SPOT " Spot cleaning / number decrement button

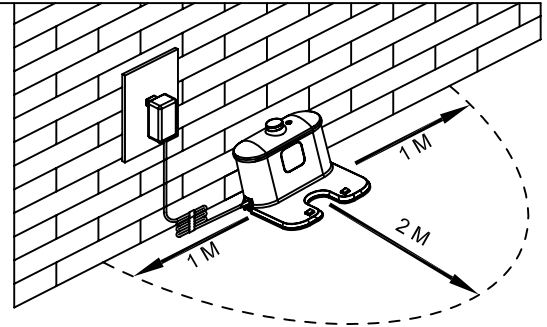
- A. Press this button to decrease number in scheduling mode.
- B. In other mode, press this button to start spot cleaning.

# Product Operation

## 1. Battery Charging

### A. Charging station placement

Place charging station against the wall and remove obstacles from within 1 meter at both sides and about 2 meters in front of the station, as shown in the right figure.



B. If the robot has been shut down, power on the robot by pressing the power switch at the right side of the robot for more than 3 seconds.

C. Charge the robot in either way as shown below:

- Insert the adaptor into the robot and the plug at the other end to the power socket as shown in Fig a.
- Press "HOME" on robot or "HOME" on remote control to operate the robot to go back to the charging station for recharging as shown in Fig b.

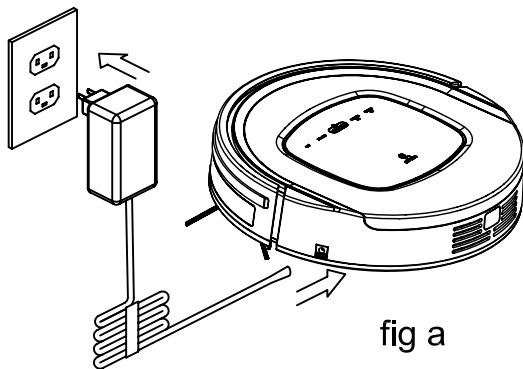


fig a

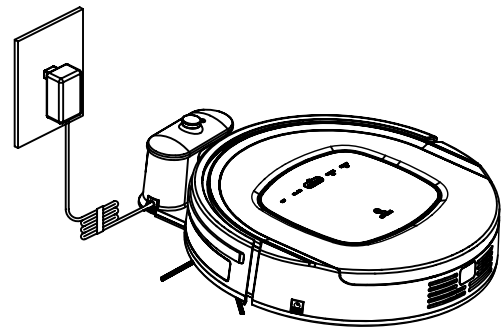


fig b

Note:

- When robot is being charged, LED panel will gradually show '1111', from left to right.
- Once charging is complete, LED panel will show 'FULL'.
- In the standby status, the robot will broadcast voice "please charge" when battery power is low.
- In the working status, the robot will return to charging station automatically when battery power is low.

## For extending battery life:

- Before first use, charge the robot for 12 hours.
- Charge the robot as soon as battery power is low.
- The robot will return to charging station automatically when it accomplishes cleaning or battery power is low.
- If the robot is not to be used for a long time, fully charge the battery before use, turn the power off, remove and store it in a cool, dry place.
- If the robot is not to be used for more than 3 months, charge the robot for 12 hours, turn the power off, remove and store it in a cool, dry place.


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# Product Operation

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## 2.Starting Up/ Standby/ Sleep/ Power Off


### A. Starting up

- a. Keep pressing the power switch at the right side of the robot for more than 3 seconds.
- b. Press  on main body or ON/OFF on remote control to start cleaning.


**Note:** If robot is in sleeping mode, press  on main body or ON/OFF on remote control to wake up the robot from sleep mode; then press  again, the robot will start cleaning automatically.


### B. Standby

Standby means robot has its power switched on, wait for the user's operation. It can be changed to standby mode by one of the following methods:

- a. During robot cleaning, press  on main body to enter standby mode.
- b. During robot cleaning, press ON/OFF button on remote control to power off the robot.

### C. Sleep

In sleep mode, the robot can only be woken up from  button on main body or ON/OFF on remote control. In order to save power, you can turn the robot into sleep mode from standby mode via either of the following methods:

- a. Press  on main body and hold it for 3 seconds.
- b. Robot will automatically enter sleep mode if no command is received for more than 60 seconds.


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# Product Operation

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## 3.Scheduling

You can schedule the robot and set it to start cleaning automatically at a certain time every day.








Note: The robot can only be set when it is in Standby or Charging mode. If the robot is in sleep mode, press  on main body or ON/OFF button on remote control to wake up the robot. If the robot is in Cleaning mode, stop it before scheduling.

### Scheduling by the LED panel on robot

#### A. Setting Robot Clock

- In standby or charging status, press **PLAN** to start the clock-setting. The LED panel will show the current system time.
- Press  to enter the hour-setting mode, the left two numbers on LED panel will flash. Press  to increase hour or  to decrease it.
- Press  again to enter the minute-setting mode, the right two numbers on LED panel will flash. Press  to increase it or  to decrease it.
- Press  again to confirm the setting.

#### B. Setting scheduling time

- In standby or charging status, press **PLAN** twice to start scheduling, LED panel will show previous scheduled time or "00:00" if there is no previous schedule.
- Press  to enter hour-setting mode, the left two numbers on LED panel will flash. Press  to increase hour or  to decrease it.
- Press  again to enter the minute-setting mode and the right two numbers on LED panel will flash. Press  to increase minute or  to decrease it.
- Press  again to confirm the scheduling.

#### C. Cancel scheduling

Set the scheduling time to 00:00.

Note:

- Before scheduling, please set the robot time to be the same with real time.
- The robot will start cleaning at the schedule time of Robot Clock every day.

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# Product Operation


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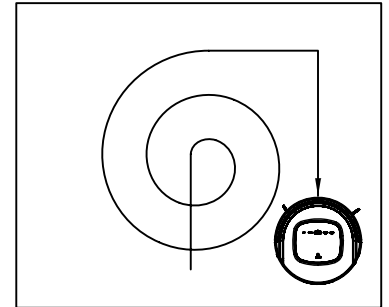
## 4. Cleaning Modes

### 1). Auto cleaning

In this mode, the robot will clean a room automatically and adjust its cleaning mode according to the environment.

**Note:**


Press ON/OFF on remote control or  on robot to start auto cleaning.



### 2). Spot cleaning

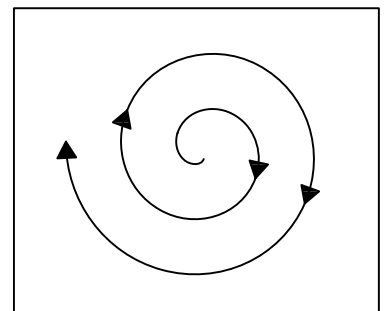
Under the following situations, the robot will activate spot cleaning:

a. When it detects a very dirty area.

b. Pressing SPOT on remote control or  on the robot.

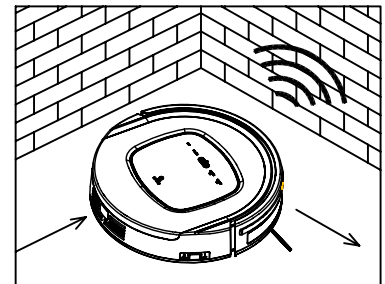
**Note:**

It is suggested that the user select spot cleaning in a very dirty area.



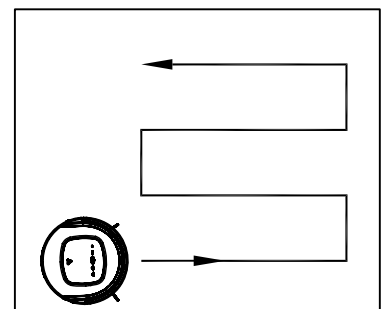
### 3). Edge cleaning

In cleaning mode, press MODE button to select mode 3 for edge cleaning. The robot will clean along the obstacles.



### 4). Zig-Zag Cleaning

Robot will automatically goes into Zig-Zag cleaning when it detected it's in an open area or the enviroment with less obstacles.



Note: Press MODE button on remote control to select cleaning mode:

A. Mode No. 1111 shows on robot LED display: spiral cleaning mode;

B. Mode No. 2222 shows on robot LED display: auto cleaning mode;

C. Mode No. 3333 shows on robot LED display: edge cleaning mode;

D. Mode No. 4444 shows on robot LED display: Zig-zag cleaning mode.

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# Product Operation

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## Water Tank and Mopping Cloth Usage

### 1. Attaching mopping cloth

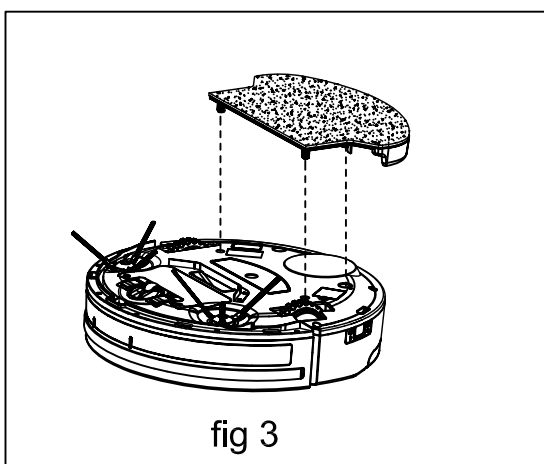
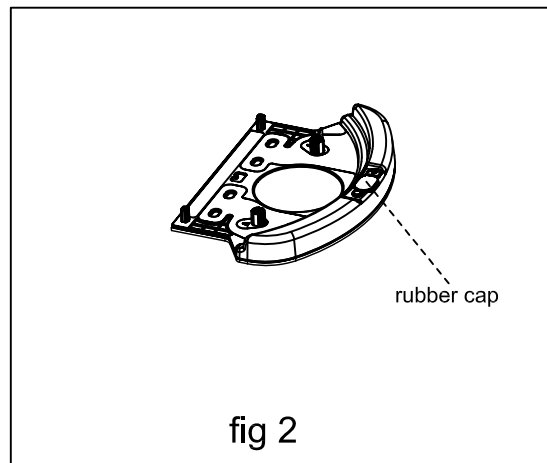
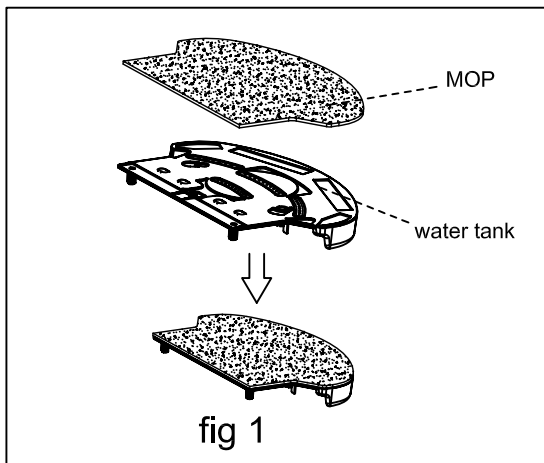
Stick mopping cloth on the bottom of water tank as shown in fig 1. Make sure the sticking side and mopping cloth face the appropriate sides, and then stick the mopping cloth on its sticking side.

### 2. Fill water tank with water

Take out rubber plug of water tank, fill it with water, and then put back the rubber plug tightly in position to prevent water leakage.

### 3. Fit water tank on the robot

Turnover the robot, fix the water tank on the robot bottom. Make sure the bolts are firmly pressed into the fixing slots.



#### Note:

- a. If use water tank kit during cleaning, please check if water tank and its mopping cloth is used according to above instruction. Pay attention to well stick the mopping cloth, avoid friction between the cloth and robot wheel.
- b. Water tank kit can only be used on flat floor without any sharp object.
- c. Please don't clean carpet, wooden floor or dry only area by the cleaner with water tank.
- d. Please turn off UV light if use water tank kit during cleaning.

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# Product Operation

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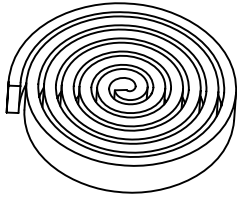
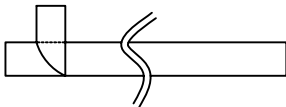
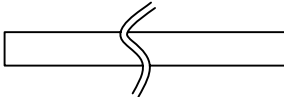
## Usage of Magnetic Strip

### 1. Function of Magnetic strip

There is magnetic sensor inside the robot, when it detect there is magnet, robot will automatically change direction or turn back. The magnetic strip will let you decide where your robot can go and where it should "keep out" . During robot cleaning, easily stick the magnetic strip to fit doorways, around pet bowls, cords, or anywhere you don't want the robot to go. For example, stick the magnetic strip in front of the washing room, robot will not go into it.

### 2.How to use the magnetic strip

Peel off the paper on back of the magnetic strip, stick the strip on floor. Please kindly be noted to well clean the magnetic strip sticking area on the floor, just to ensure it sticks well.

		
A. Take out the magnetic strip and put it flat on the floor.	B. Peel off the paper on back of the magnetic strip.	C. Stick magnetic strip where you need the robot to "keep out".

# Product Maintenance

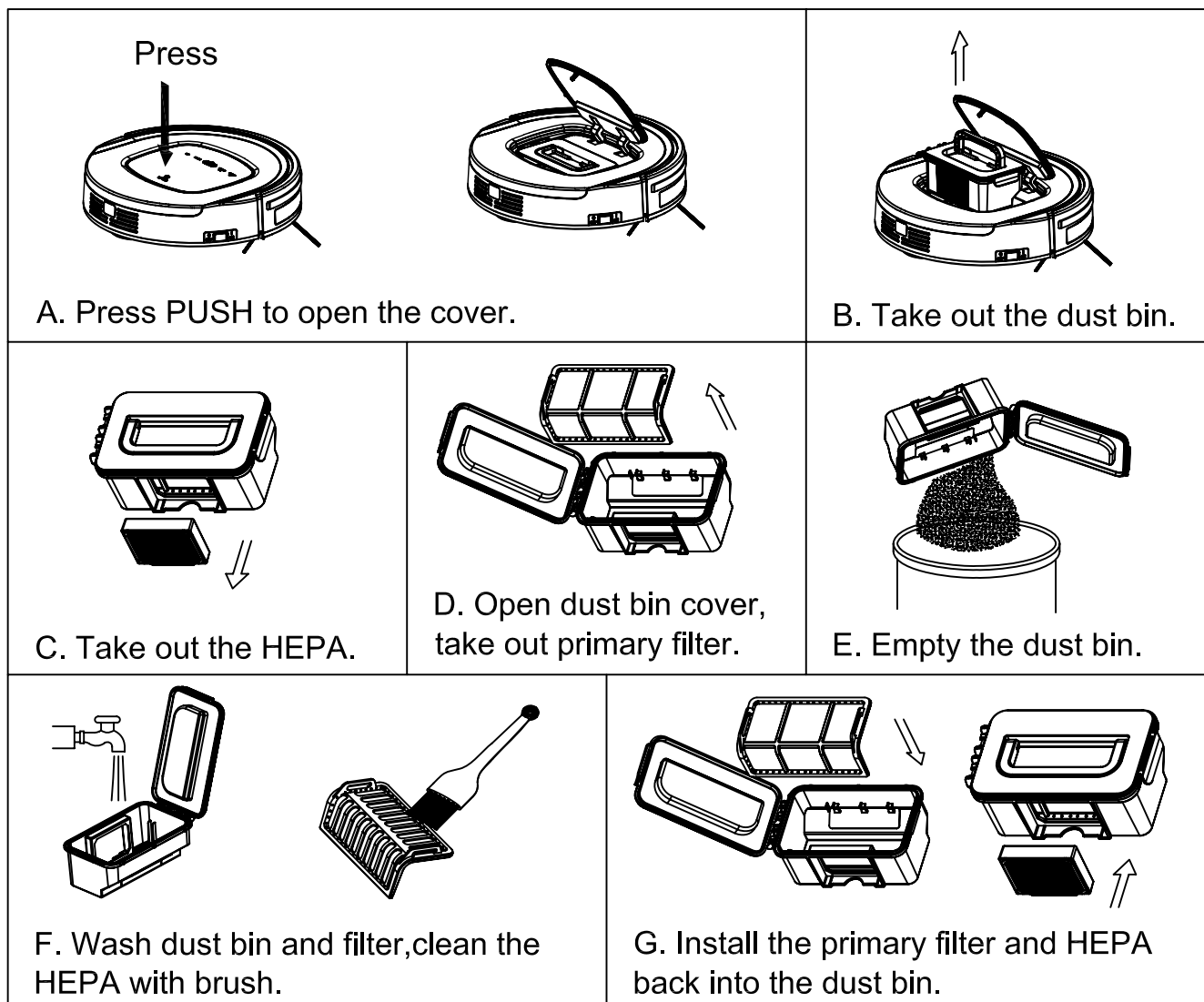
## 1. Cleaning Side Brushes

Clean the side brush when it gets dirty and replace it if it's damaged. Max life span for side brush is 12months.

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

## 2. Cleaning Dust Bin and Filters

Empty and clean dust bin after each use following the steps as shown in the figures below:



### Note:

- Wash HEPA filter after used for 15~30 days. Max life span for HEPA and filter is 24 months.
- Reinstall the HEPA and primary filter after they are fully dry.
- HEPA and primary filter could be replaced if needed.
- Do not dry the filters under baking sunshine.



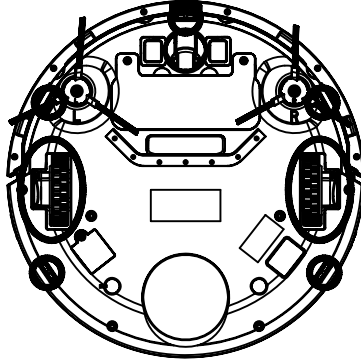
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# Product Maintenance

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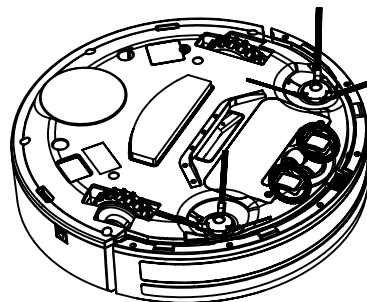
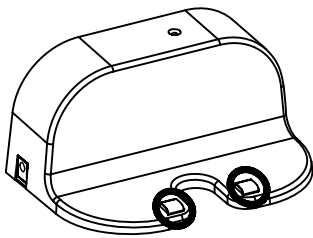
## 3. Cleaning Sensors and Wheels

Slightly wipe all the sensors and wheels, as marked in figure below, with soft cleaning cloth or tool.



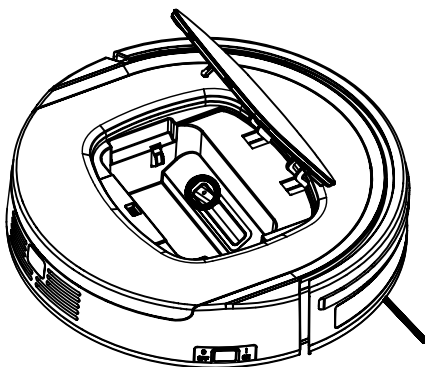
## 4. Cleaning Charging Poles

Clean the charging poles, as marked in the figure below, with soft cleaning cloth or tool.



## 5. Clean Suction Passage and Dust Sensor

Clean the suction passage and dust sensor, as marked in figure below, with soft cleaning cloth or tool.



### Note:

Avoid allowing the sensors to get wet.

# Troubleshooting

## Error Code for Sensors

Error Code	Cause	Solution
AUBF	Suction passage blocked	Clean suction passage
AUBN	Dust bin not placed in position or robot without dust bin	Put back dust bin and place it in position
E1XX	Left collision switch fault	Check sensitivity of the front bumper
E2XX	Right collision switch fault	
E3XX	Left and right collision switches fault	
E4XX	Left wheel off the ground	Put robot on solid ground
E5XX	Left wheel off the ground, left collision switch fault	Put robot on solid ground and check sensitivity of the front bumper
E6XX	Left wheel off the ground, right collision switch fault	
E7XX	Left wheel off the ground, left and right collision switch fault	
E8XX	Right wheel off the ground	Put robot on solid ground
E9XX	Right wheel off the ground, left collision switches fault	Put robot on solid ground and check sensitivity of the front bumper
EAXX	Right wheel off the ground, right collision switch fault	
EBXX	Right wheel off the ground, left and right collision switches fault	
ECXX	Left and right wheel off the ground	Put robot on solid ground
EDXX	Left and right wheel off the ground, left collision switch fault	Put robot on solid ground and check sensitivity of the front bumper
EEXX	Left and right wheel off the ground, right collision switch fault	
EFXX	Left and right wheel off the ground, left and right collision switch fault	
EXX1	Left anti-drop sensor detects cliff	Clean bottom anti-drop sensor
EXX2	Front anti-drop sensor detects cliff	
EXX3	Left and front anti-drop sensors detect cliff	Clean front sensor lens and bottom anti-drop sensor lens
EXX4	Right anti-drop sensors detects cliff	Put robot on ground and check front bumper
EXX5	Left and right anti-drop sensors detects cliff	
EXX6	Front and right anti-drop sensors detects cliff	Clean front sensor lens and bottom anti-drop sensor lens
EXX7	Front, left and right anti-drop sensors detect cliff	

# Troubleshooting

## Error Code for Sensors

Error Code	Cause	Solution
EXX8	Front bumper right infared sensors detect obstacle	Clean front bumper sensor lens
EXX9	Left anti-drop sensor detects cliff, front bumper right infared sensor detects obstacle	Clean front sensor lens and bottom anti-drop sensor lens
EXXA	Front anti-drop sensor detects cliff, front bumper right infared sensor detects obstacle	
EXXB	Left and front anti-drop sensors detect cliff, front bumper right infared sensor detects obstacle	
EXXC	Right anti-drop sensor detects cliff, front bumper right infared sensor detects obstacle	
EXXD	Left and right anti-drop sensors detect cliff, front bumper right infared sensor detects obstacle	
EXXE	Right and front anti-drop sensors detect cliff, front bumper right infared sensor detects obstacle	
EXXF	Front, left and right anti-drop sensors detect cliff, front bumper right infared sensor detects obstacle	
EX1X	Front bumper left infared sensor detects obstacle	Clean front bumper sensor leans
EX2X	Front bumper middle infared sensor detects obstacle	
EX3X	Front bumper left and middle infared sensors detect obstacle	
EX4X	Front bumper right infared sensor detects obstacle	
EX5X	Front bumper left and right infared sensors detect obstacle	
EX6X	Front bumper middle and right infared sensors detect obstacle	
EX7X	Front bumper left, middle and right infared sensors detect obstacle	
EX8X	Front bumper wall detection infared sensor detects obstacle	
EX9X	Front bumper wall detection sensor and left infared sensor detect obstacle	
EXAX	Front bumper wall detection sensor and middle infared sensor detect obstacle	
EXBX	Front bumper wall detection sensor, left and middle infared sensor detect obstacle	
EXCX	Front bumper wall detection sensor and right infared sensor detect obstacle	
EXDX	Front bumper wall detection sensor, left and right infared sensors detect obstacle	
EXEX	Front bumper wall detection sensor, right and middle infared sensors detect obstacle	
EXFX	Front bumper wall detection sensor, left, right and middle infared sensors detect obstacle	

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# Troubleshooting

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## Troubleshooting for Motors

Error Code	Cause	Solution
L01X	Fan overloaded	Check if fan is pressed, and clean dust bin
L0X1	Left wheel overloaded	Check if it is stuck or wired by obstacles
L0X2	Right wheel overloaded	
L0X3	Left and right wheels overloaded	
L0X4	Left side brush overloaded	
L0X5	Left wheel and left side brush overloaded	
L0X6	Right wheel and left side brush overloaded	
L0X7	Left and right wheels, left side brush overloaded	
L0X8	Right side brush overloaded	
L0X9	Left wheel and right side brush overloaded	
L0XA	Right wheel and right side brush overloaded	
L0XB	Left and right wheels, right side brush overloaded	
L0XC	Left and right side brushes overloaded	
L0XD	Left wheel, left and right side brushes overloaded	
L0XE	Right wheel, left and right side brushes overloaded	
L0XF	Left and right wheels, left and right side brush overloaded	

### Note:

1. There is no problem for the robot when it displays L000.
2. X is the number or letter might appear on display for different fault.
3. If robot displays E001 or E004, please directly find the relative solution referred in troubleshooting.
4. If robot displays EC07, please find ECXX and EXXX for relative solution referred in troubleshooting.
5. Like wise, if robot displays EE91, please find EXX1, EEXX and EX9X for relative solution referred in troubleshooting.
6. If above solution does not work, please try below:
  - a. Reset the robot by switching off the unit and then turn it on, and check again.
  - b. If it still does not work after reset, contact after sales.
7. UV light might hurt your eyes, so please do not stare directly at the light when turned on.

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## Battery Removal

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- A. Remove the screws on battery cover with a screw driver.
- B. Remove the battery cover.
- C. Grasp the insulating tape at two sides of the battery and lift the battery.
- D. Unplug the wire connector that links battery and robot.

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## Product Specifications

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Classification	Items	Detail
Mechanical Specifications	Diameter	340mm
	Height	85mm
	Weight	3.4Kg
Electrical Specifications	Power Rating	24V, 600mA
	Battery Specifications	Ni-MH 2000mAH, 14.4V
Cleaning Specifications	Dust Bin Capacity	0.5L
	Charging Type	Auto Charging/ Manual Charging
	Cleaning Mode	One key to clean & remote control selection
	Charging Time	About 200~300 mins
	Cleaning Time	90 minutes at maximum
Main Body Button Type		Touch (LED display)

Note: Particular specifications are subject to change without prior notice.