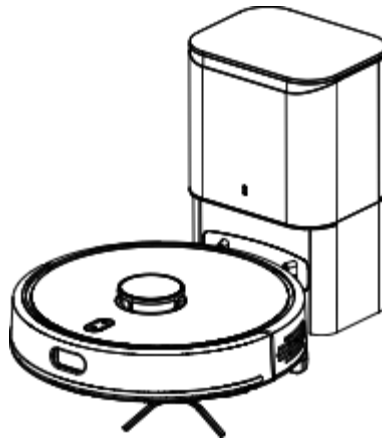


# Manual of Robot Vacuum Cleaner (Dust Collection Suit)

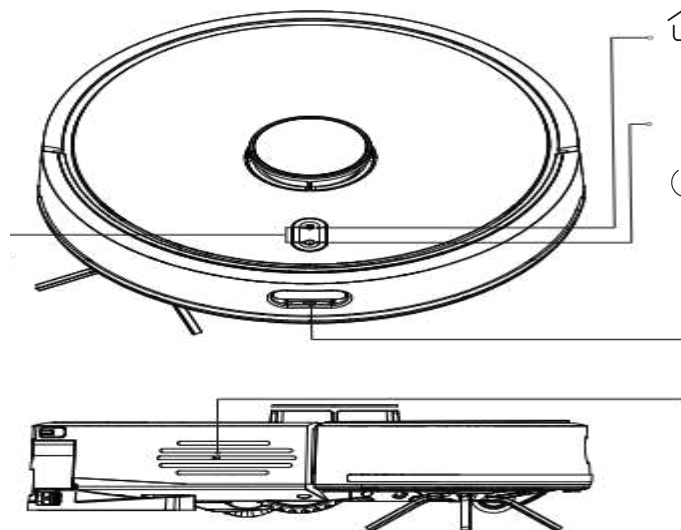


Please read this manual carefully before use and keep it properly for future reference. The power adapter of the product applies to an altitude below 2000m.,

## Product introduction

### Network configuration

Press buttons “ ” and “ ” at the same time for 5s after power-on and release them upon a voice prompt that “WiFi has been reset” to enter the network configuration.



### Intelligent recharge

- Short press the button to enable intelligent recharge.
- If the orange indicator remains lit, it suggests that the Product has a low battery.



### Power-on/off/sweeping planning

- Short press “Start/Pause” to sweep.
- Long press this button for 3s to power on or off.
- If the indicator remains lit in blue, it suggests successful network configuration, normal running or a standby state.
- If the indicator is breathing in blue, it suggests a power-on or recharge state of the Product.
- If the indicator is breathing in blue, it suggests that the Product is in a hardware upgrade or restoration to its defaults.
- If the indicator is flashing slowly in blue, it suggests that a state of network configuration.
- If the indicator remains lit in orange, it suggests a low battery.
- If the indicator is flashing quickly in red, it suggests that the Product is abnormal.
- If the indicator is out, it suggests that the Product has powered off or is sleeping.

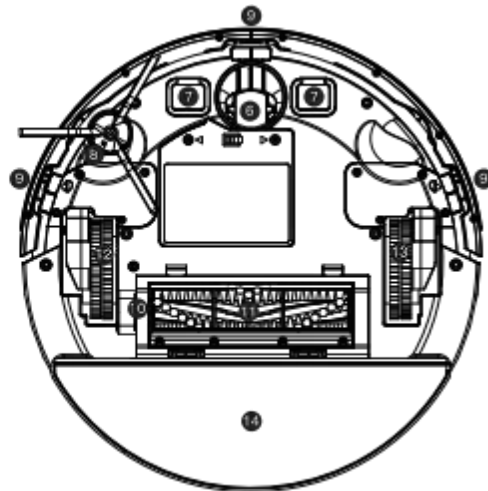
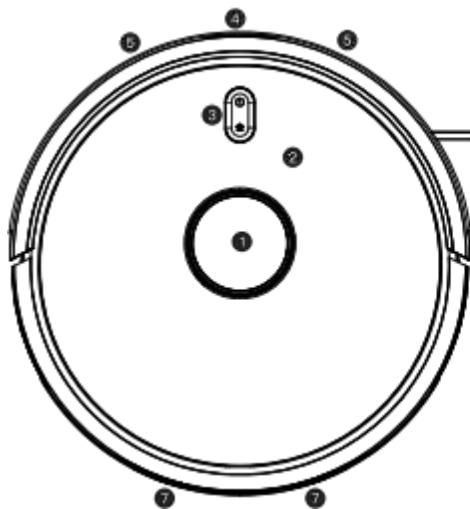
### Infrared receiving sensor

### Reset: For forced power-off

Short press this button (for less than 3s) to power off.

## Product introduction

### Main body and sensors



- |               |                             |                    |                    |                      |                |              |
|---------------|-----------------------------|--------------------|--------------------|----------------------|----------------|--------------|
| ① Laser radar | ③ Button                    | ⑤ Collision sensor | ⑦ Charge electrode | ⑨ Range sensor       | ⑪ Roller brush | ⑬ Left wheel |
| ② Top cover   | ④ Infrared receiving sensor | ⑥ Mecanum wheel    | ⑧ Side brush       | ⑩ Roller brush cover |                |              |
| ⑫ Right wheel | ⑭ Mopping module            |                    |                    |                      |                |              |

## | Maintenance tips

Only specially trained persons with a certificate for robot vacuum maintenance can maintain the Product.

To avoid serious consequences, other persons should not maintain the Product without permission.

If the Product has failed, please try to solve the problem with reference to Analysis and Elimination of Common Faults before contacting our customer service department.

If you cannot eliminate the fault by yourself, please unplug the power cable and contact us.

Please read this manual carefully for correct use.

## | Environmental impact statement for user

1. All the packing materials of the Product are environment friendly and recyclable. Please dispose them properly to protect the environment.
2. The packing materials, including the plastic film and the packing box, can cause asphyxia accidents. They are not toys. Please keep children from playing with them.
3. If the Product is old and can no longer be used, discard it after making it unusable. The old Product contains recyclable materials. Please help to dispose these recyclable materials correctly or recycle them to protect the environment.

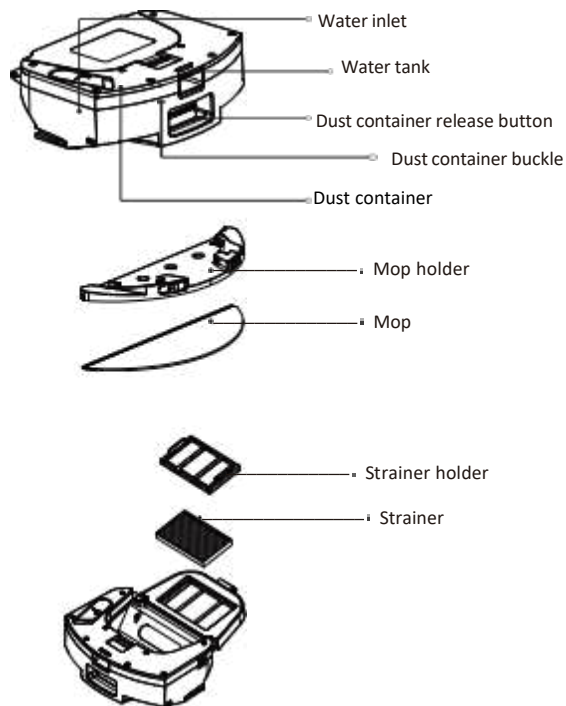
Please read this manual carefully for correct use.

## | Contents

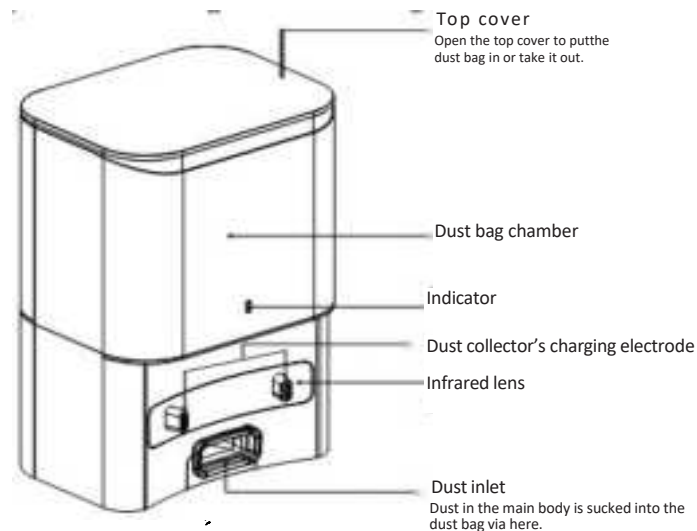
Product introduction	1
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Names and contents of hazardous substances in product	11
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## Product introduction

### Two-in-one water tank



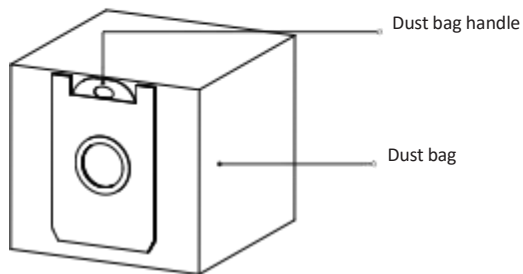
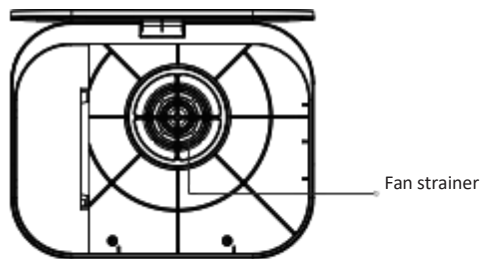
### Dust collector (dust collection and recharge)



### States of charging pile indicator

Indicator	Orange	White	Out
Description	The indicator remains lit in orange when the dust in the dust bag is full or the dust bag is not correctly mounted.	The indicator remains lit in white after power-on.	The indicator is out when the main body is being recharged or disconnected from the power source.
Remarks	* The indicator remains lit in orange when the dust collector has failed.		

## Product introduction



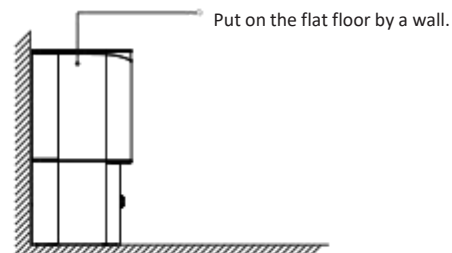
Dust bag (There is already one on the dust collector)

Reminder: The dust bag is a consumable. Please replace it at regular intervals.

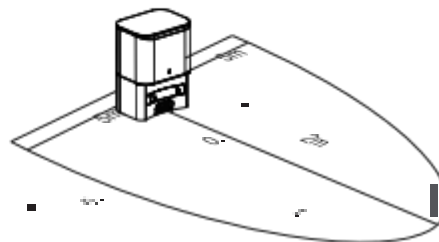
## Installation instructions

Installation of the dust collector

1. Put the dust collector on a flat floor by a wall and insert the power plug into a proper power socket.



2. Make sure there is no barrier in front of or behind the dust collector or on any lateral side of it.



## Directions for use

### 1. Power-on/off

Long press button "⏻" for 3s for power-on: The power indicator will flash slowly in blue for 4s and then remain lit in blue, suggesting that the Product is standby.

When the Product is not moving, long press button "⏻" for 3s to power it off. The power indicator will then go out. =

If the Product has not been operated for more than 10 minutes in this case, it will sleep. The Product in sleep can be awakened after any button of it is short pressed.

Reminder: The Product cannot be powered off or enter the sleep mode when in recharge.

### 2. Sweeping

If button "⏻" is short pressed after power-on, there will be a voice prompt that "Sweeping has begun".

If button "⏻" is short pressed in sweeping, the Product will stop sweeping.

Reminder: The sweeping function cannot be enabled when the battery is low.

### 3. Automatic/manual recharge

After sweeping, there will be a voice prompt that "Sweeping finished. Recharge has begun", and the Product will be recharged automatically. When the battery is low in sweeping, the Product will be recharged automatically, too.

### 4. Water adding to the water tank, or mop cleaning during sweeping

Short press button "⏻", the Product will pause. Dismount the mopping module /Two-in-one water tank, add water or clean the mop, remount the mopping module and short press button "⏻" again to continue with the sweeping.

### 5. Network configuration, and hardware upgrade

Scan the QR code to download the APP. Reset the WiFi as instructed by the APP (refer to the content of section "Way to configure WiFi network" on page 6). The APP supports direct inquiries and upgrading of the hardware. In hardware upgrading, make sure the Product is being recharged and has been recharged by 30% at least. For the steps of hardware upgrading, refer to the APP. After downloading of the APP, configure the WiFi network as instructed by the APP. After the main body is connected to the WiFi network, the APP can remotely enable sweeping, make appointments for sweeping, etc.

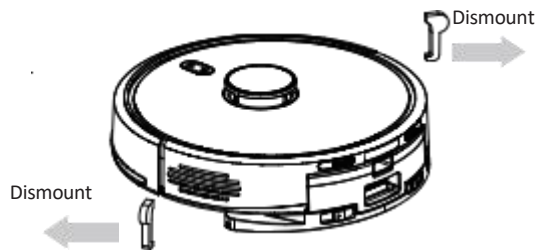
### 6. Fault state

When the Product has any fault, it will give a voice prompt, and the power indicator will flash quickly in red. To solve this problem, please refer to the corresponding solution in the section about "Troubleshooting".

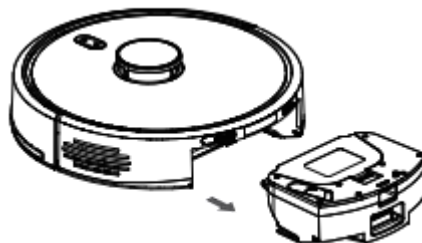
If the Product has not been operated in more than 10 minutes in this case, it will enter the sleep mode automatically.

### Use

1. Put the Product on an indoor flat floor and dismount the stoppers at two ends of the bumper on its front.

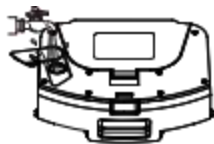


2. Press the dust container release button and take out the water tank integrated with the dust container. It is normal that in the first use, there is a little water in the water tank left after testing in production.





## Directions for use

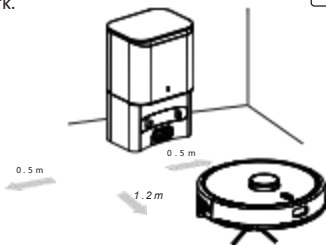
3. Feed clean water into the water tank.



4. Mount the water tank and the mop holder into the main body in sequence.



5. Long press button “” for 3s to power on the Product. After that, short press button “”. The Product will then be recharged automatically. Upon full recharge, it will be ready for work.



### Caution:

1. After working for more than 1 minute, the Product will return to the dust collector and remove the dust in the dust container automatically.
2. The Product may fail to be powered on when it has a low battery. Please fully charge it before use.
3. If the Product has a low battery in sweeping, it will return to the dust collector automatically for recharge. After recharge, it will return to the position where it paused automatically to continue with the sweeping.

## Way to configure WiFi network

Scan the following QR code to download the APP and install it to your mobile phone as instructed on the mobile phone.





**Binding a Android mobile phone number to the WiFi** Click the wanted connectable object, connect “Next” and operate as instructed on the mobile phone.

**Binding an IOS mobile phone to WiFi**

On the WiFi setting page of the mobile phone, choose the Product's hotspot to connect. After successful connection, back to the APP, click “Next” and connect as instructed.

Note: If the connection fails, operate as below with reference to the content of “Way to reset WiFi”. Please connect to the WiFi network for better experience of use.

### Resetting WiFi

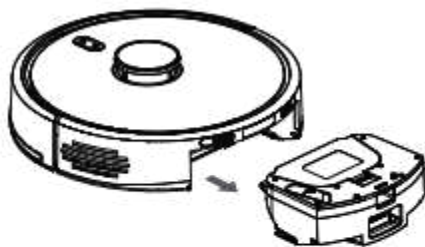
After the router has been replaced, or the WiFi network password has been changed, the WiFi function needs to be reset: press buttons “” and “” at the same time for 5s. If the WiFi indicator is flashing slowly in blue, and there is a voice prompt, it suggests successful WiFi reset.



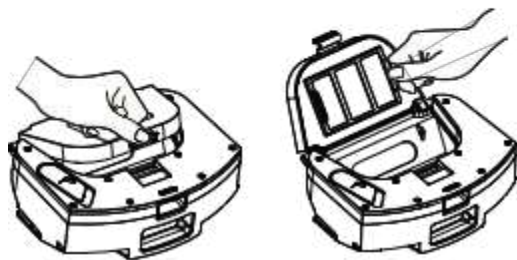
## Routine maintenance

### Cleaning of the water tank

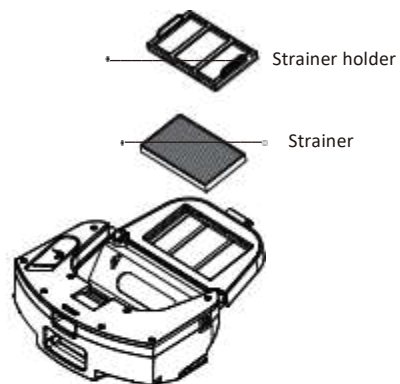
1. Pull the water tank out while pressing the water tank release button.



2. Pull the dust container buckle to dismount the strainer holder.



3. Take out the strainer.



4. Use the roller brush to remove the foreign matter on the strainer and the strainer card.



## Routine maintenance

5. Feed water into the water tank, close the water tank, shake it from side to side and pour the dirty water in it. Repeat these operations till the water tank has been cleaned thoroughly.



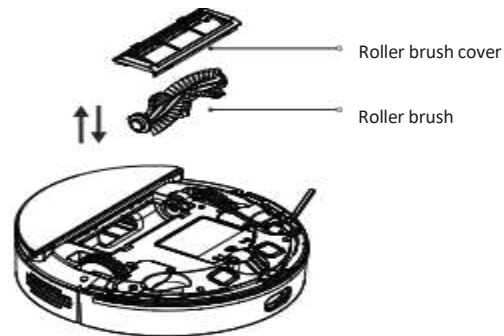
6. Turn over the water tank, dismount the mop holder and clean or replace the mop.



### Reminder:

1. If the mop is too dirty, clean it in time to ensure a good sweeping effect.
2. Dismount the mop, clean it, wring it out and remount it. The mop tends to be damaged if it is cleaned while still on the water tank.
3. It is suggested to replace the mop each 6 to 12 months for a good sweeping effect.

### Roller brush



2. Use a cleaning knife to cut off the hair on the roller brush and use the cleaning brush on the other end of the cleaning knife to clean up the roller brush.

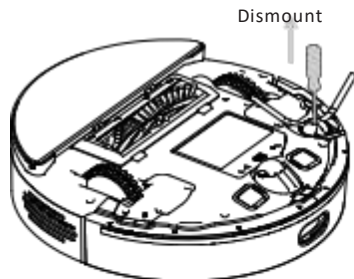


3. Remount the roller brush and the roller brush cover and press the buckle.

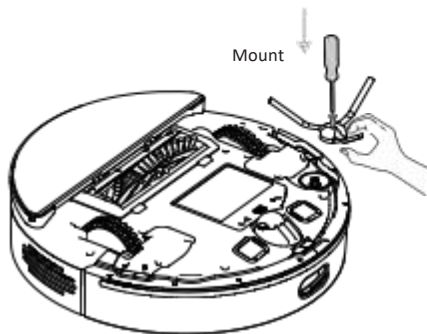
## Routine maintenance

### Cleaning/replacement of the side brush

1. Dismount the side brush by removing its screws with help of a screwdriver.



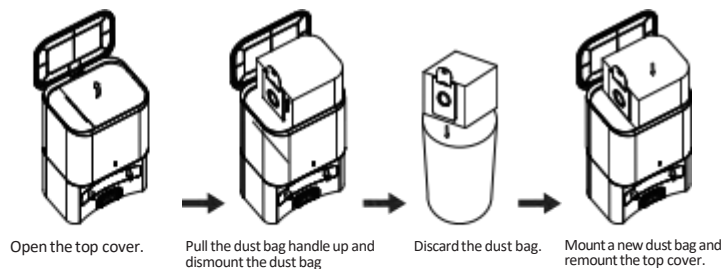
2. After cleaning, remount the side brush or mount a new one.



Reminder: It is suggested to replace the side brush each 3 to 6 months for a good sweeping effect.

### Replacement of the dust bag

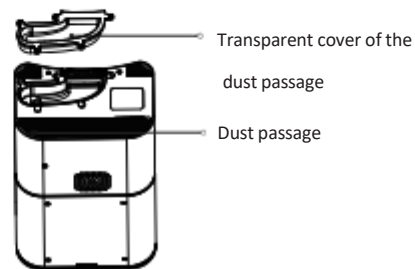
1. When the dust bag is full, the dust collector's indicator remains lit in orange, or the APP reminds user to replace the dust bag in time. When the dust bag is in normal use, the dust collector's indicator remains lit in white.



### Cleaning of the dust passage

1. After dust bag replacement, the dust collector's indicator remains lit in orange. It is suggested to unplug the power cable, turn over the dust collector charging pile and inspect whether the dust passage is blocked by any foreign matter. If it is blocked, use a screwdriver to dismount transparent cover of the dust passage and remove the foreign matter.

Caution: Avoid violent dismounting. After cleaning, dismount the components back to their original positions.



## Routine maintenance

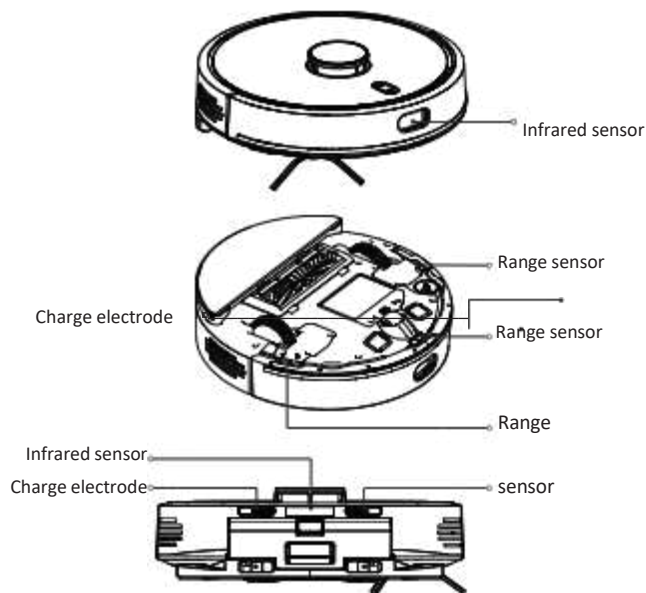
### Cleaning of sensors

1. It is suggested to use clean soft, dry cloth to wipe the sensors gently each week for normal use of the Product.

the Product :

Range sensor ×3  
Infrared sensor ×2

Charge electrode×4

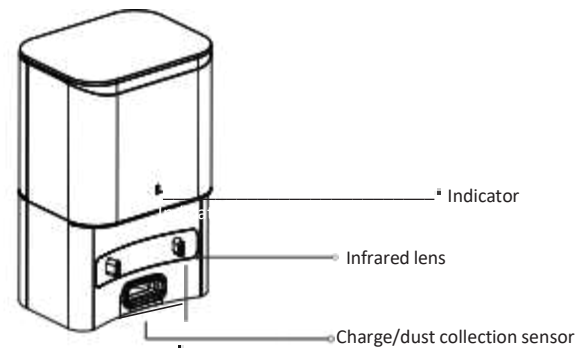


Dust collector charging pile:

Indicator ×1

Infrared lens ×1

charge/dust collection sensor×2



### Battery maintenance

1. The Product has a built-in high-performance rechargeable lithium-ion battery pack. It should be recharged whenever necessary for a good performance.
2. If the Product is not going to be used for a long time, power it off and recharge it each month at least to avoid battery damage due to overdischarge.

## Basic parameters

### Main body

Product name	robot vacuum cleaner
Model	L1550C
Dimensions	φ325mm×325mm x 95mm
Rated voltage	14. 4V
Rated power	35W
Battery capacity	2600mAh
Wireless connection	Wi-Fi IEEE 802. 11b/g/n 2.4GHz
Standard	
The Product has a radio transmission module with a CMIIT ID:.	

### Dust collector

Model	LS-06
Rated power	925W
Rated input	120V~50/60Hz
Rated output	19V, 0. 6A
Rated frequency	50/60Hz
External dimensions	213×166×335mm

The Product is compliant with the safety criteria for laser of category 1 in IEC 60825- 1: 2014 and therefore generates no hazardous laser radiation for humans.

## Names and contents of hazardous substances in product

Component	Hazardous substance					
	Pb	Hg	Cd	cr( VI)	PBB	PBDE
Metal	×	○	○	○	○	○
PCB component	○	○	○	○	○	○
Plastic	○	○	○	○	○	○
Standard part (screw, washer and so on)	○	○	○	○	○	○
Other metallic structural members (motor, decorating parts* and so on)	○	○	○	○	○	○

The table above is compiled with reference to SJ/ T 11364-2014.

○ : This symbol means that a hazardous substance's content in all homogeneous materials of a component complies with the limit expected in GB/ T 26572-2011.

×

X : This symbol means that a hazardous substance's content in at least one homogeneous material of a component exceeds the limit expected in GB/ T 26572 -2011. (For each component with a "X" symbol, the non-environment-friendly substances or elements in it cannot be completely replaced by environment-friendly substances or elements due to the current global restrictions in terms of technologies and processes; however, the situation will be gradually improved with scientific and technological progress)

\*: This symbol means that a component exists in only some model(s).  
The marks above are based on Administrative Measure for Restricted Use of Hazardous Substances in Electric and Electronic Products, and the matching standard SJ/ T 11364. Even in the case of long-time use, the Product is not hazardous to humans.



## Troubleshooting

Fault prompt	solution
Fault 1: Inspect and make sure the laser radar is not blocked.	Please inspect and remove the foreign matter(s) close to the laser radar (if any), or move the Product to another position and restart it.
Fault 2: Please wipe the range sensors, move the main body to another position and restart the Product.	Please wipe the range sensors of the main body and try again (for locations of the range sensors, please refer to the manual), or move the main body to another position and restart the Product.
Fault 3: A high magnetic field is detected. Please move the Product to another position and restart it.	Please move the main body to another position and restart the Product.
Fault: Please check whether any sensor of the Product is collided into any foreign matter. If it is, remove the foreign matter.	Please press the bumper, remove the foreign matter (if any) and restart the Product.
Fault 5: The main body's temperature is abnormal. Please wait for a normal temperature.	The main body's temperature is too high or too low. Please wait it to become normal again before continued use.
Fault 6: Recharge is abnormal. Please clean up the recharge contact area.	Please inspect whether the power adapter is original and whether the recharge base is horizontally placed. Please power off the main body and the recharge base and wipe their metallic contact chips.

## Common problem

Problem	solution
Power-on failure	One possible reason is that the battery is low. Please have the Product recharged by the recharge base before continued use. Another possible reason is that the ambient temperature is too high (above 50°C) or too low (below 0°C).
Failure to enable sweeping	The battery is low. Please have the Product recharged by the recharge base before continued use.
Recharge failure	There are many barriers close to the recharge base. Please put the recharge base in an open area. The main body is too far from the recharge base. Please put it close to the recharge base and try recharge again.

Problem	solution
Abnormal motion	Power off the Product and restart it.
Abnormal sound in sweeping	Or there is any foreign matter on the roller brush, a side brush, the left wheel or the right wheel. Please stop the Product and remove the foreign matter.
Sweeping capacity decline, or dust leakage	The water tank is full. Please clean it up. Or the HEPA component is blocked. Please clean it up. Or there is any foreign matter on the roller brush. Please clean up the main brush.
Failure to connect to the WiFi network	The WiFi signal is not strong. Please make sure the main body is covered by a strong WiFi signal. The WiFi network connection is abnormal. Please reset the WiFi network, download the APP of the latest edition and try the connection again.
Failure to sweep continually after resumption of recharge from breakpoint	Make sure the main body is not in the "Do Not Disturb" mode. In this mode, the Product does not sweep after manual recharge or placing the main body back to the recharge base.
Failure to return to the recharge base after fixed-position sweeping or relocation	After fixed-position sweeping or long-distance relocation, the main body will generate a new map. In this case, if the main body is too far from the recharge base, it may fail to realize automatic recharge. Please put the main body back to the recharge base manually.
Failure of recharge	Make sure that there is enough space around the recharge base and that there is no dust or barrier on its electrode surface.
Failure of execute appointed sweeping	Please make sure the Product has been successfully connected to the WiFi network, otherwise it will fail in synchronization and cannot execute appointed sweeping.
Lasting offline state of the main body	Please make sure the Product has been successfully connected to the WiFi network and has been covered by it.
Failure of pairing between the mobile phone and the Product	Please make sure that both the main body and the recharge base are covered by the WiFi network and have proper models, reset the WiFi network and conduct pairing again.

## Cautions

- Use the Product to sweep domestic indoor floors of only. Do not use it to sweep outdoor floors (such as the floors of open balconys), places that are not floors (such as sofas), or floors in commercial or industrial places.
- Do not use the Product in any place hung in the air (such as a duplex, an open balcony or the top of a house) without guard railings.
- Do not use the Product above 40°C, below 0°C or in a place with any liquid or sticky matter on the floor. Before use, remove all the wires and cables from the floor to avoid dragging by the main body in sweeping.
- Please remove the fragile objects and other sundries (such as vases and plastic bags) on the floor to avoid damage of valuable things due to contact or gentle collision with the running main body.
- Keep physically, mentally or perceptively handicapped people (including children) from using the Product.
- Keep children from playing with the main body. When the main body is running, keep children and pets away from it as much as possible.
- Do not put any object (including a child or pet) on the still or moving main body. Do not use the Product to sweep any burning object (such as a cigarette end that is still burning).
- Do not use the Product to sweep any long-hair carpet (The Product may fail to sweep some dark carpets normally).
- Keep the main body from absorbing hard or sharp objects (such as decoration wastes, glass or iron nails).
- Do not carry the Product by using its laser radar cover as a handle.
- Please clean and maintain the main body and the recharge base after power-on or disconnection from the power source.
- Keep liquids from the Product (the dust container can be dismounted, cleaned, dried and remounted).
- Do not put the main body upside down (do not put the laser radar on the floor).
- Please use the Product as instructed in this manual or the quick guide. We shall not be responsible for the property losses or personal injuries due to its improper use.

## Battery and its recharge

- Do not use a battery, power adapter or recharge base supplied by a third party;
- Do not use a non-rechargeable battery;
- Do not dismount, repair or refit the battery or the recharge base;
- Do not put the recharge base close to a heat source (such as a heating radiator);
- Do not wipe any part of the Product with wet cloth or any liquid;
- Do not discard the waste battery but have it handled by a professional institute.

- It is suggested to power off the main body and pack the Product with the original packing box before transporting it.
- If the Product is not going to be used for a long time, please fully charge it, power off its main body, put it in a dry, cool place and recharge it each month at least to avoid battery damage.
- Correct tools are necessary for battery dismounting: Remove the screws on the bottom cover, open the bottom cover, remove the battery terminals and take the battery out of the battery chamber.
- Before discarding the Product, take the battery out of it.
- Do not take out the battery until the Product has been powered off.

### Warning:

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.

Any Changes or modifications not expressly approved by the party responsible for compliance 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.

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