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Low Voltage Directive(LVD)2014/35/EU

2004/108/EC EMC Directive

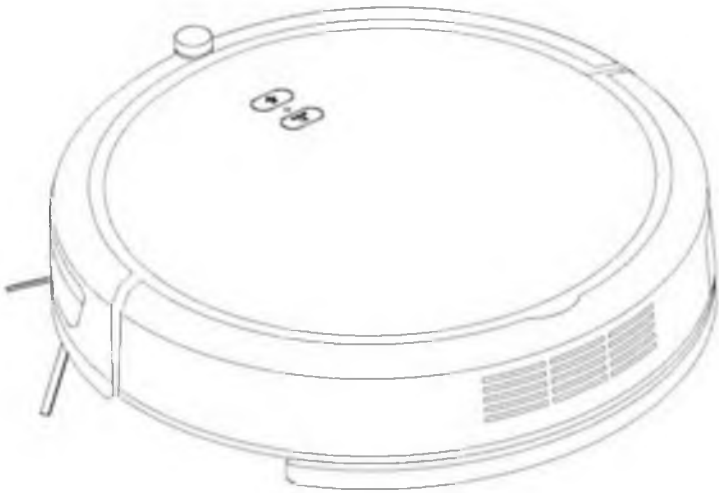
It is possible to request a full copy of Declaration of compliance to the Distributor:

This product comply with the rules of RoHS Directive(2011/65/EU)

This product comply with the rules of Eup Directive(2009/125/EC)

MULTI-FUNCTION ROBOTIC VACUUM CLEANER

iBot Vac Pro



Thank you for purchasing the product. Please read through the instructions before use.

Table of Contents







Table of Contents	01
Safety Instructions	02
Advanced features	03–04
Product introduction	05
Structure of the cleaner	06
Panel of the cleaner	07
Battery installation for the cleaner.....	07
Introduction of the auto charging dock station.....	08
Introduction of the remote controller	09
Settings of schedule/time for the remote controller/Smart Water Tank™.....	10
Introduction of the virtual house.....	11
Installation & removal and cleaning of the dust bin	12
Installation and removal of the ONE COVER ALL main brush assembly	13–14
Installation of the Smart Water Tank™/trailing bar/mop.....	15
Common failures and troubleshooting.....	16
Dimensions and Parameters	17

Safety Instructions













Before using this product, please read the following safety instructions and follow all routine safety precautions!

- Please read these instructions carefully.
- Please keep this book of instructions.
- Any operation not in compliance with this book is likely to cause damage to the product.
- The right to final interpretation resides in the Company.

Warning

<p>Anyone except our designated service technicians may not disassemble, repair or modify the product. Otherwise it may lead to fire, electric shock or injury.</p>		<p>Do not use any recharger other than the one accompanying this appliance. Otherwise it may cause fire resulting from product damage, electric shock or high voltage.</p>	
<p>Do not touch any high voltage power cable of the appliance with wet hands, as this may cause electric shock.</p>		<p>Do not over bend the power cord or place heavy objects on it. Doing so may damage the cord, causing a fire or electric shock.</p>	
<p>Attention must be made to avoid clothes or any part of body (head, fingers, etc.) getting involved in the brush or wheels of the vacuum cleaner. Doing so may result in personal injury.</p>		<p>Keep away from cigarettes, lighters, matches and heat source objects and from flammable materials (such as using gasoline to clean the machine).</p>	

Attention

<p>Turn off the power before transporting or relegating it to prolonged storage. Otherwise, the battery may be damaged.</p>		<p>Plug the power cord of the recharger tight, or it may cause electric shock, short circuit, smoke or fire.</p>	
<p>Check the connection between the recharger and the socket for reliability. Otherwise it may result in non-charging and consequential fire.</p>		<p>To prolong battery life, recharge it for at least 16 hours after the first use or before reuse after a long idle period. The battery will not achieve its optimum performance until 2-3 complete recharging-discharging cycles.</p>	
<p>Before leave vacuum cleaner to a long idle period, please recharge the battery to its full, then take the battery to a cool place, keep bottom to keep the bottom of the appliance dry.</p>		<p>Prior to use, remove all damage-prone objects (luminous objects, fabrics, glass bottles, etc.). Otherwise it may cause damage to these objects, or affect the performance the appliance.</p>	
<p>Please use the cleaner with caution in the presence of children to avoid being starting or hurting them.</p>		<p>Do not stand or sit on the vacuum cleaner so as not to cause damage to it or injuries to human.</p>	
<p>Attention: Do not let the robot inhale water and other liquids, Otherwise it may lead to product damage.</p>		<p>Do not use the vacuum cleaner in confined spaces (small table, chair) which may lead to product damage.</p>	
<p>Outdoor use is prohibited, as doing so may cause product damage.</p>		<p>Do not use the vacuum cleaner on commercial premises, otherwise product damage may follow excessive use.</p>	

Advanced features

01. Patent Intelligent programmable water tank-Smart Water Tank™

The cleaner can control the water seeping speed of the water tank automatically ,you may select the water seeping speed also through the remote controller to achieve the optimum uniform wet mopping effect. When charging, the water seeping will be shut automatically. This is a protection to prevent current leakage which results from water residue on the ground .

02. Design of super wide off-road wheel

Super wide wheel will resolve the slipping problem which occurs to the cleaner when it wet mopping.

03. Multi-function double dustbin

Each package include two dustbins: one large capacity dustbin 0.9L used for normal vacuum cleaning, and one big capacity water tank (0.65L) combined with one small dustbin (0.3L) used for vacuum cleaning & wet mopping.

04. Patent ONE COVER ALL cleaning system

Patent V-shape brush made of soft wool suitable for tiles, marble and wooden floors and a rear-part brush made of rubber suitable for carpet deep cleaning.

05. Patent 3D UV sterilization

3D UV will kill bacteria on floors, the suction inlet and inside the dustbin.

06. Patent 3D filter

The 3D conditioning level filter (effectively preventing suction plugged when dustbin close to full) + HEPA filter prevent a secondary air pollution. The dust bin and 3D filter can be washed directly.

07. Two-way virtual house

The virtual house can creates one or two infrared beam that the cleaner will not cross; suitable for setting the off-limited areas.

Advanced features

08. User-friendly design

Regardless of elders or children, a simple touch on the "T" on the cleaner and cleaner will run automatically.



09. Super suction power

The suction power of the cleaner is up to 2000Pa, and even fine dust will be cleaned up.

10. Intelligent suction adjustment

When detecting a lot of rubbish, the cleaner will adjust the suction power automatically, which not only greatly improves the cleaning efficiency, but also save as much as about 30% of the electricity.

11. Garbage detection

When detecting garbage, the cleaner will automatically increase suction power.

Product introduction

This product can be used in cleaning family homes, hotel rooms, and small offices, and cleans well a variety of short-pile carpets, wood floors, and ceramic tile ,etc.

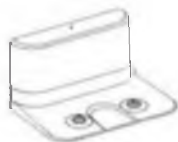
Functionality overview

It works on a rechargeable lithium-ion battery and under intelligent microcomputer control. It is an intelligent vacuum cleaner featuring UV sterilization, auto cleaning, vacuuming, intelligent wet mopping, timing, schedule cleaning, remote control, multiple identification protection functions, various automatic cleaning modes, and automatic recharging.

Cleaner and accessories



Cleaner × 1



Charging dock station × 1



Remote control × 1



Power adapter × 1



Virtual house × 1



Trailing bar × 1



Mop × 2



Cleaning brush × 1
(mounted on the dust bin)



HEPA × 1



Instruction manual × 1



Small dustbin × 1



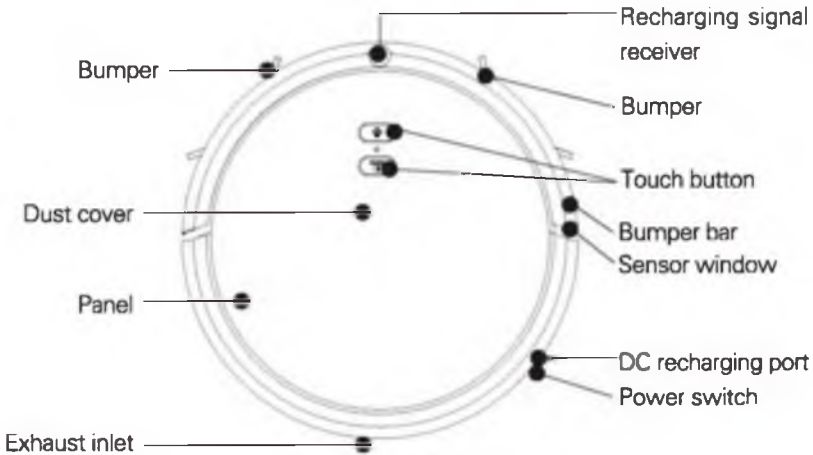
Water tank × 1



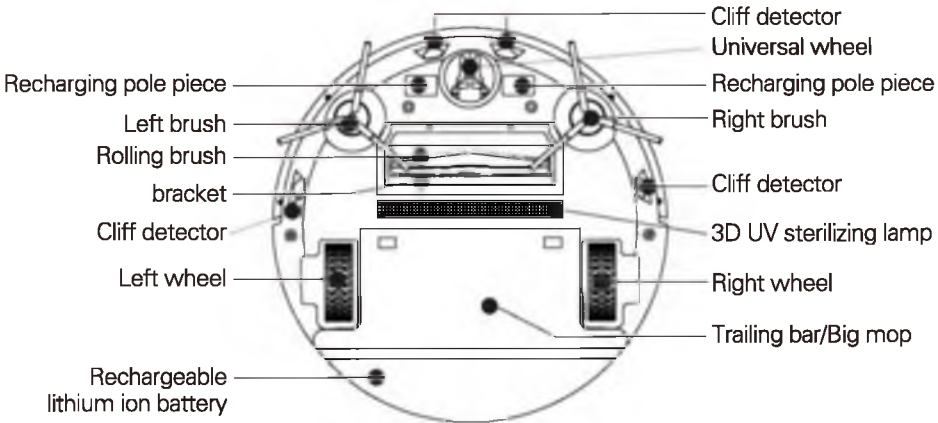
Side brush × 4
(Please fix 2 on the cleaner before
use payattention left or right)

Structure of the cleaner

Unit top



Unit bottom



Panel of the cleaner



Before cleaning, tidy up the small items or obstacles in the room, especially the power cord and other easy entanglements; where the battery is low during cleaning, the cleaner will stop cleaning and give five beeps, light up the recharging touch light, and automatically rolling back to the docking station.



Auto cleaning/mopping button

Press this button and the cleaner will start automatic cleaning/mopping until the power is low at which point of time it will automatically go back to the auto charging dock station. In the course of cleaning/mopping, touch this button and the cleaner will stop.

 **Attention** please push "  " to start only after music and voice prompts: "please select mode".




Indicator

The cleaner is recharging: LED red light is blinking;
The cleaner is charged full: LED blue light is normally on.



Docking indicator

Press the "  ", and as this icon is on, the cleaner will seek the docking station for charging automatically.



Attention

1. It is suggested to clean the suction inlet and dust sensor each time emptying the dust bin.
2. When the cleaner is at work, the cleaning path follows default Settings but when it detects any dust, it will automatically switch to focused spiral cleaning.
3. To maximize the wet mopping effect; Before start, please refill the water tank to the fullest.

Battery installation for the cleaner

1. To install the cleaner battery, please use a screwdriver to loosen the four screws on the half-moon shaped bottom shell, and remove the battery installation cover (see Fig.1).
2. When installing the battery, please correctly connect the snap joints of the two terminals (see Fig. 2).
3. When not in use, place the cleaner into recharging status, which will maintain the battery in optimal use.
4. If the machine is left unused for a long time, please recharge the cleaner once a month on a regular basis to maintain the battery in optimal use.
5. The battery can only be replaced with the battery from the original manufacturer, otherwise it may cause damages or accidents to the cleaner.



Fig.1



07

Fig.2

Introduction of the auto charging dock station

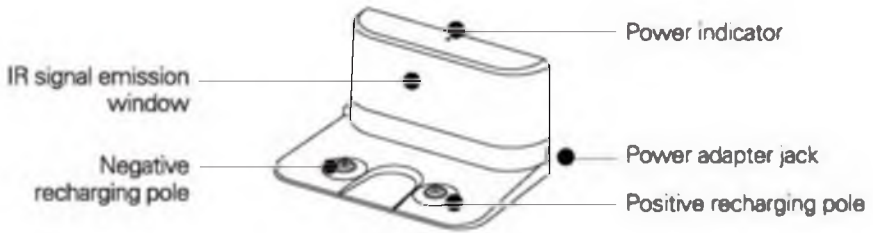


Fig.1

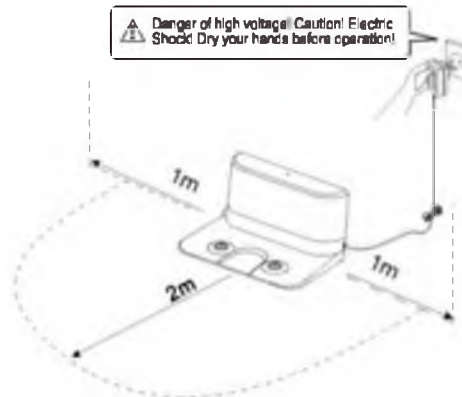


Fig.2

Instructions for the charging dock station

1. Securely mount the charging dock station onto a flat ground and a wall near and perpendicular to the ground.
2. Avoid obstacles and uneven areas within 2m in front of the docking station and 1 m on both sides.
3. If the infrared signal emission surface of the docking station is blocked, the cleaner will be unable to find the docking station for charging .
4. Please keep tidy the DC power cord of the docking station, and do not put the power cord on the ground, otherwise it will affect to search the docking station

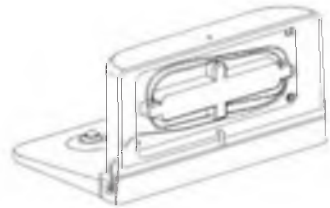
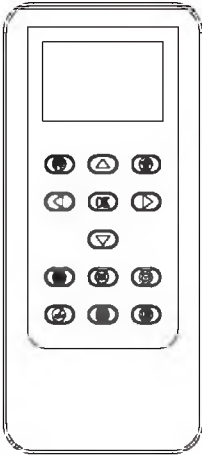



Fig.3





Attention: Before charging , make sure turn the power switch of the cleaner to ON!


Introduction of the remote controller





 Schedule-Press this button and the robot will enter schedule mode.



 Return Home- Press for the robot to stop cleaning and return to the charging dock.


 Forward- Press while cleaning and the robot will move in a forward direction.


 Backwards- Press while cleaning and the robot will move in a backwards direction.


 Left- Press while cleaning and the robot will turn in a circle to the left.


 Right- Press while cleaning and the robot will turn in a circle to the right.


 Press this button and the robot will enter  cleaning mode until another button is pressed.


 Turbo- Press this button and the robot will enter turbo cleaning and the suction power will increase until another button is pressed.

 Wall Following- Press this button and the robot will enter wall following mode until finished or another button is pressed.

 Spot Cleaning- Press this button and the robot will enter spot cleaning mode until finished or another button is pressed.

 Full Go- Press this button and the robot will enter full go cleaning mode until finished or another button is pressed.

 Tank-Press this button and the robot will enter standard seeping mode and quick seeping mode choice.

 Press this button and the robot will confirm to enter settings of schedule mode. in any cleaning mode, press this button to stop it; in sleep mode, press this button to enter the wake-up mode.

Settings of Schedule/time for the remote controller/Smart Water Tank™

1. Settings of current week day, hour/minute

a. Settings of current week day:

In the standby mode, press the "⏸" button to enter the Settings of current week day; press the "⏪", "⏩" buttons to switch Monday/Sunday; Press "OK" to save the current week day and enter the settings of current hour/minute.

b. Settings of current hour/minute:

After the Settings of current week day is done, press the "OK" button to enter the specific Settings of current hour/minute.

Press the "⏪" and "⏩" buttons to switch hour/minute;

Press the "⏴" button to increment the current time, and press the "⏵" button vice versa;

Press the "OK" button to save the current hour/minute.

2. Settings of Schedule cleaning

a. Settings of Schedule week day:

In the standby mode, press the "⏸" button on the remote controller 4 seconds to enter the Settings of schedule week day;

Press the "⏪", "⏩" buttons to switch Monday/Sunday;

Press "OK" to save the appointed week day and enter the Settings of appointed hour/minute;

b. Settings of schedule hour/minute:

After the settings of schedule week day is done, press the "⏴" button to save, press "⏵" button to cancel, press the "OK" button to enter the settings of appointed hour/minute.

Press the "⏴" and "⏵" buttons to switch hour/minute;

Press the "⏴" button to increment the appointed time, and press the "⏵" button vice versa;

Press the "OK" button to save the settings of appointed hour/minute.

3. Settings of the Smart Water Tank™:

- Press the "⊙" button, the instruction light on the cleaner is normally on, the icon "⊙" on the remote controller is also normally on, indicating the water tank is in a standard water seeping mode, suitable for wooden floor, as too much water will ruin the wooden floor. This mode is also suitable for clean floor.
- Press and hold the "⊙" button for 4 seconds, the instruction light on the cleaner is blinking, the icon "⊙" on the remote controller will flash; indicating the water tank is in a quick water seeping mode, suitable for tile/marble floor or dirty floor.

Introduction of the virtual house

Introduction to the virtual house

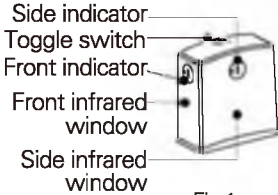


Fig.1

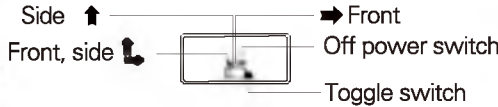










Fig.2

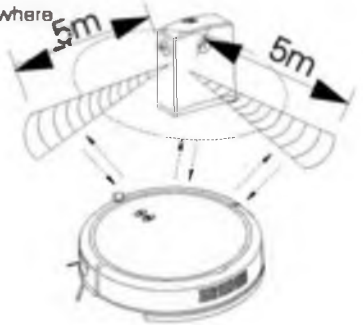


Fig.3

- Toggle “” to turn off the power for virtual house, switch among front, side, and front/side;
- Toggle “” to Off: the power of virtual house is cut off.
- Toggle “” to “” position: it indicates the power of the virtual house on, at this point of time, this is the front position, and the control radius of the virtual house is 5 m.
- Toggle “” to “” position: it indicates the power of the virtual house is on, at this point of time, this is the sidewise position, and the control radius of the virtual house is 5 m.
- Toggle “” to “” position: it indicates the power of the virtual house is on, at this point of time, this is the front/sidewise position, and the control radius of the virtual house is 5 m.

Instructions for the virtual house

1. Before use, remove the underside plate of the battery compartment of the virtual house, and place two D batteries according to the polarity indicated by the instructions into the compartment (Fig. 3). **Attention: Incorrect battery installation will render the virtual house out of order or damaged, and may lead to other accidents.**
2. The discharging length of the battery depending on the emission direction, distance and time of use. To make thrifty use of the battery, please select appropriate emission direction and distance to reduce the transmission power; and when the virtual house is not in use, please turn off the power.
3. Typically, place the virtual at staircase or doorway, or ~~somewhere~~ calling for the virtual house.
4. When using the virtual house, make ensure the virtual house and the vacuum cleaner are placed on the same plane, and that there is no obstruction in front of the virtual house as practical as possible, so as not to affect the barrier effect (Fig. 4).
5. In actual use, the emission distance of the virtual house will be depending on environment, the movement of the main unit and battery level.
6. When installing it, keep the virtual house 50cm or more from the cleaner, or there will be interference.
7. Before use, do not point the infrared emission head at someone's eyes!



Installation & removal and cleaning of the dust bin

1. Installation & removal of the dustbin of the cleaner

01. Pull up the dust cover (Fig. 1).
02. Take out the dustbin (Fig. 2).



Fig.1



Fig.2

2. Cleaning of the dustbin

01. Open the upper cover of the dustbin, pour out the dirt and other junk (Figs. 3,4, and 5).
02. The dustbin and the filter screen can be rinsed with water (Fig. 6).

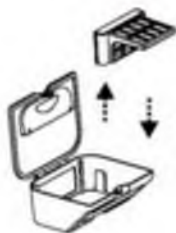


Fig.3

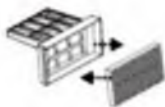


Fig.4



Fig.5



Attention

1. After rinsing, dry the dustbin, filter and HEPA before replacing them (with cool air from an electric hair dryer).
2. Please strictly follow the instructions when removing and installing the dustbin.

Installation and removal of the ONE COVER ALL main brush assembly

1. Removal of the roller brush assembly:

1. As shown in Fig. 1, pick the U shaped clip each side of the sweeping bracket simultaneously with both index fingers to remove sweeping bracket.
2. As shown in Fig. 2, pull up the left end of the roller brush with a hand to take out .
3. As shown in Fig. 3, clean the hair off the brush, or wash it with water (do not replace it until it becomes dry after washing).



Fig.1



Fig.2



Fig.3

Installation and removal of the ONE COVER ALL main brush assembly

2. Installation of roller brush assembly

1. As shown in Fig. 1, an enlarged view of the upper right part, fit the right end of the assembly into the drive shaft of the cleaner and make sure the shaft of the ONE COVER ALL brush align with the drive shaft.
2. As shown in Fig. 2, an enlarged view of the upper right part, after installing the roller brush, make sure the brush left semicircular flexible plastic member is horizontally put in the slot.
3. As shown in Fig. 3, align the two snaps towards the two U-shaped recesses on the surface of the cleaner and press them down to fit.

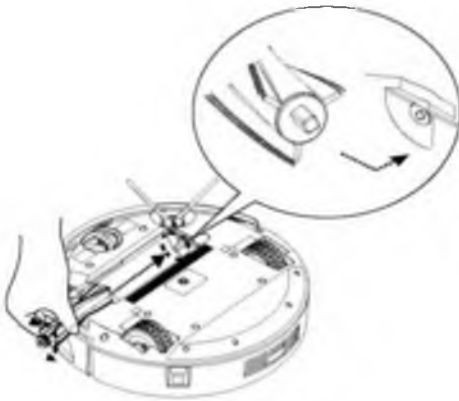


Fig.1

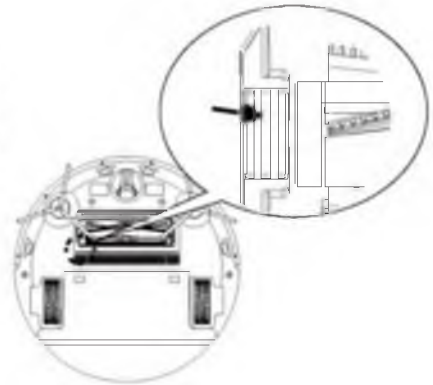


Fig.2

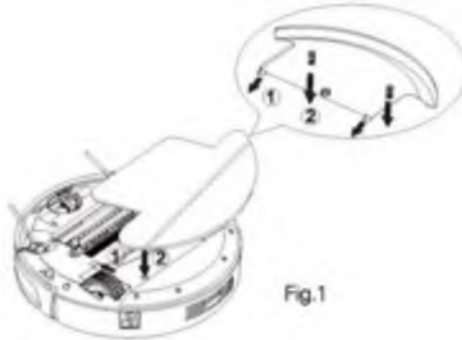


Fig.3

Installation of the Smart Water Tank™/ trailing bar/ mop

1. Installation of the trailing bar/ mop:

1. Install the mop onto the position where it is to be adhered.
2. As shown in Fig. 1, mount the trailing bar onto the unit by aligning it with holes.



2. Installation of the SmartWaterTank™:

1. As shown in Fig. 2, mount the small dust bin onto the water tank first before use.
2. As shown in Fig. 3, take out the water tank, open the flexible plastic inlet, inject clear water, and replace the inlet lid.
3. As shown in Fig. 4, place the water tank into the cleaner, replace the cover and the unit is ready to mop.



Fig.2

Fig.3











Fig.4



Attention

1. Before injecting water into the water tank, take the tank out rather than directly replenishing the water tank lest any water go into the unit and lead to short circuit.
2. When using the water tank, it is prohibited to turn over the unit, lest water get into the machine and cause damage.
3. After the water tank is refilled, clean it if there is water around the water tank.
4. The cleaner will make a voice prompt “inject water, please” if the water tank runs out of water (see page 8 for more).

Common Failures and Troubleshooting

Failures	Cause	Troubleshooting
 Red light is normal on	Low battery the robot won' t working	Move the robot to the charging dock or plug it into the power adapter
 Red light is normal on	Low tank level	Take the tank out and refill
 Three red light is normal on	Battery NTC, check if the battery is installed correctly	See: (battery installed Page 30)
 Red light is blinking	Front bumper failure	Push hard on the front bumper to test if the bumper will resist
 Red light is blinking	The robot won' t be recharging.	Ensure the power switch on the side of the robot is switched to ON; Check the connection to the power adapter or charging dock;Check that the snap joint of the battery is connected.
 Blue light is normal no	Wall detection failure	Clean the front bumper and the sensor window.
 Three blue light is normal no	Ground sensor failure	Clean the cliff sensors underneath the robot or pick up and move the robot to another position.
 Blue light is blinking	Left or right wheel lifted	Put the wheels back on the ground or pick up and move the robot to another position.
 Blue light is blinking	Suction inlet is blocked	Clean the objects off the sensors and the suction inlet.
 Three blue light is blinking	Roller brush, side brush or wheels failure	Clean the roller brush, side brush and wheels. Ensure the roller brush is not tangled with debris.



Remark

If failure persists after troubleshooting instructed above, please contact our after-sale service department.

Dimensions and Parameters

Technical specification for the cleaner

No.	Item	Index parameter	Remark
1	Rated voltage	DC 14.8V	
2	Rated power	30W	
3	Operating temperature range	-10°C ~45°C	
4	Input voltage/current	DC 24V/0.5A	
5	Infrared remote control	38KHZ	
6	Dimension	Φ350mmX87.5mm	
7	Weight	2.9KG	
8	Battery	Li-ion 3600mAh	
9	Dustbin capacity	900ml	
10	Smart Water Tank™	300ml+650ml	

Technical specification for the recharging bay

No.	Item	Index parameter	Remark
1	Dimension	L x W x H: 194X15X105 mm	
2	Input voltage/current	DC 24V/0.5A	
3	Operating temperature range	-10°C ~45°C	
4	Operating humidity range	≤ 85RH	

Technical specification for the remote controller

No.	Item	Index parameter	Remark
1	Dimension	L x W x H: 146X45X15 mm	
2	Battery	2 x AAA	
3	Remote control method	Infrared	
4	Emitting and receiving distance	≤ 5M	
5	Operating temperature range	-10°C ~45°C	
6	Operating humidity range	≤ 85RH	

Technical specification for the virtual wall

No.	Item	Index parameter	Remark
1	Dimension	L x W x H: 78X64X105	
2	Battery	2 x D	
3	Emission method	Infrared	
4	Emitting distance	≤ 5m	
5	Operating temperature	-10°C ~45°C	
6	Range	≤ 85RH	