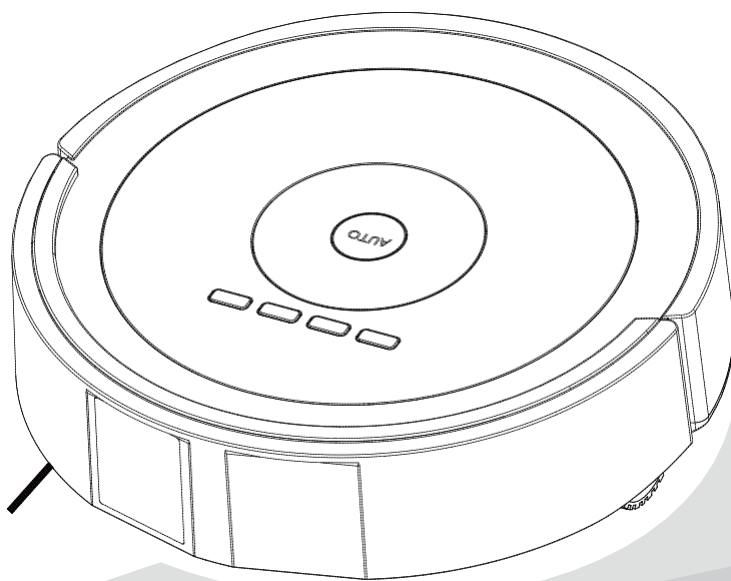


ROBOT VACUUM CLEANER

Model X6

With Remote Control

USER MANUAL



Thank you for purchasing the product.

Please read the Manual carefully before using.

Welcome to X6 intelligent vacuum cleaner!

This product is presently a robot of laser autonomous navigation with advanced technology in the world. Equipped with a laser scanning rangefinder , it can create a map and plan out the optimum cleaning path. Besides, it can automatically return to the initial position after completing the cleaning work because it has the memory function of map coordinates. In the meanwhile, such a robot can perform the interactive control function between area space identification and APP visualization, as well as the function of initiative obstacle avoidance, automatic recharge and timing cleaning.

Thank you for purchasing X6 intelligent vacuum cleaner. I hope you will enjoy your utilization! If you have any questions about the product during use, please dial our helpline.

Helpline: 400 6671 909

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1.4 About Battery		5.4 Filter Cleaning	
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1. Safety Instructions

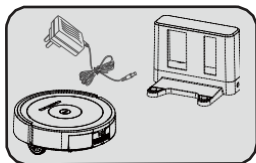
1.1 Use Instructions


Please observe the following safety precautions prior to the use of this product:


- * Please operate this product in accordance with the steps indicated in the User Manual after perusing such a manual.
- * Keep the User Manual properly in order to be able to refer to it at any time in the future.
- * If you need to have any third party use this product, please hand it over together with the User Manual.
- * Any operational behavior against the guiding content in the User Manual is likely to result in serious personal injury or damage to the product itself.

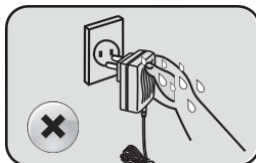
1.2 About Safety Matters of Product


Warning




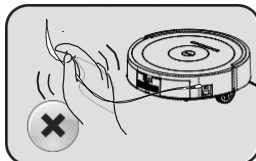
-  This product is only for use with the Adapter, battery and charging stand provided with this device, or the damage to the product, or electric shock or fire caused by high pressure may arise.


-  If you find the main body and parts of this product damage, please stop using it. Please contact our after-sales service department. Anyone but our designated or authorized servicemen is not allowed to dismantle, repair or change this product.




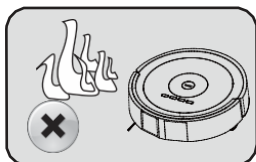
-  Don't touch the power plug or the device with your wet hands, as this may cause electric shock.

-  To avoid personal injury due to the accidental fall of this cleaner, please don't use it in the midair without protective fence.



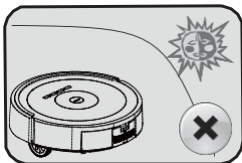
-  Please don't pull or move this product with the power cable and distort or bend such a cable excessively or place something heavy on it.

-  Please keep this product far from fire or inflammable, explosive and corrosive.

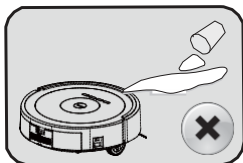


-  Never let your apparel or body parts (such as hair, nail, etc) drawn into the brush or wheel of this cleaner, otherwise it may cause personal injury.

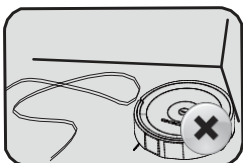
Caution



Use it only indoors.



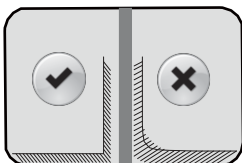
Stop water, oil or others from enter the cleaner for fear of damage.



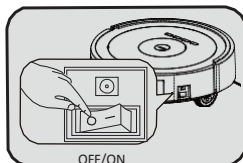
Arrange the scattered wires on the floor before use to avoid hindering the work of the cleaner.



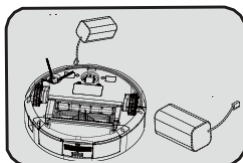
Please take away something frangible before use.



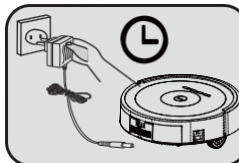
The charging stand should be flat and against the wall to prevent the device from being impacted.



During the nonuse of the device, please power off the machine to avoid battery damage.



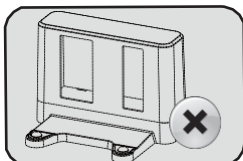
If it is not used for a long time, please charge the battery fully first, and then store it in the cool and dry place to keep its bottom dry and clean.



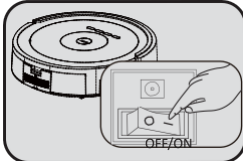
If it is used for the first time or reused after lying idle for a long time, please use it after charging it about 6 hours. After charged fully for the first 3 or 4 times, it can be charged when its power is used up each time.



Please pull out the plug from the outlet when the charging stand lies idle chronically.



Please don't move the charging stand or device when the product works, or it can't be recharged.



Wait for 15 seconds after starting the cleaner, because it is checking.

1.3 About Children's Safety



- * No use of this product by a child alone.
- * Children aren't allowed to play with the packing bag, or it will cause asphyxia.

1.4 About Battery



1. This cleaner can only work with the battery from the manufacturer.
2. Turn off the power switch before removing the battery.
3. Please take out the battery when the cleaner is discarded.
4. If the battery of main body needs replacing, please contact our after-sales service department. Use of the wrong model of battery may cause accidents.
5. In case of battery leakage, don't attach its fluid to your skin or clothing. If so, please send it to the recycle bin or the designated repair center after cleaning with the dry cloth. Don't discard it at random.
6. Please duly handle the used battery of the cleaner (including the remote control) because it contains environmentally hazardous substances. Please follow the local environment rules and throw such a battery into the designated recycle bin.

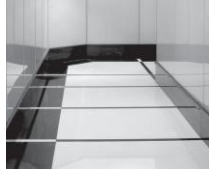
1.5 Scope of Use for the Product

Applicable Scope

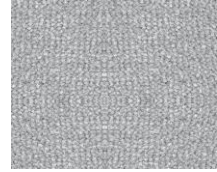
This product applies to the ground environments as follows:



Wood floor

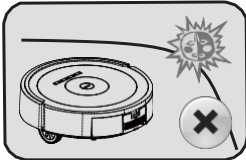


Ceramic Tiles



Undercoat Carpet

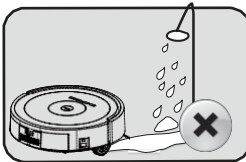
Inapplicable Scope



* It is inapplicable to the extremely hot or cold places.

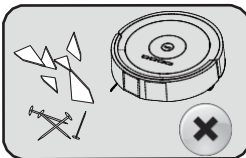
* It can only be used indoors.

* Please don't use it in the midair without the protective fence to avoid personal injury arising out of accidental fall.



* Don't use it in the wet places or those with flammable, explosive and corrosive.

* Don't let the product collect the burning cigarette ends or matches and so on.



* It can't be used to collect the toners used in the laser printer and duplicator because these substances may cause a fire.

* Please don't collect something sharp such as glass sheet and iron nail with it for fear of product damage.

1.6 Exception Clause

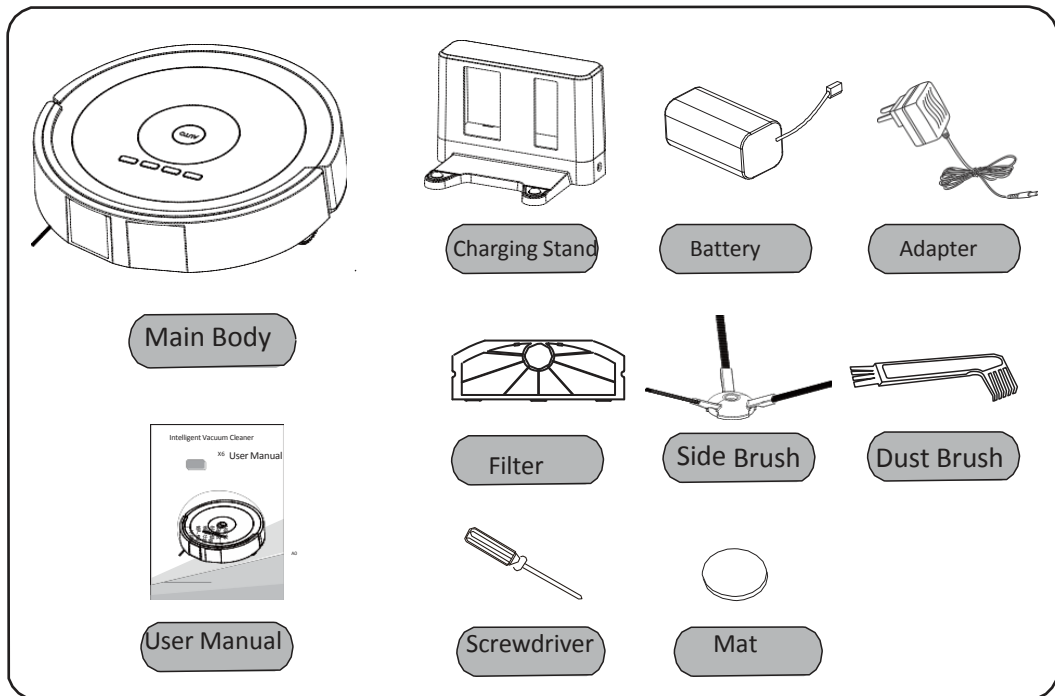
The cleaner can't be repaired free of charge in one of the following cases:

- A. The damage arises out of the user's failure in use and storage of the cleaner according to our User Manual;
- B. The complete device and components go beyond the warranty period;
- C. The damage arises out of the disassembly not by our or our authorized servicemen;
- D. The valid evidence of purchase can't be provided.
- E. The model in the warranty card disagrees with the product number or is altered.
- F. The damage arises out of force majeure including natural disaster;
- G. The product failure or damage arises out of unexpected factors or man-made reasons (including misoperation, fluid inlet, improper insertion or pulling, hauling, bump, improper voltage input and others).

Tip: We undertake to warrant this product according to the State's New Regulations on "Repair, Replacement or Compensation of Faulty Products". For details, see the warranty card attached with the product.

2. Product Composition

2.1 Main Body and Parts



Packing List

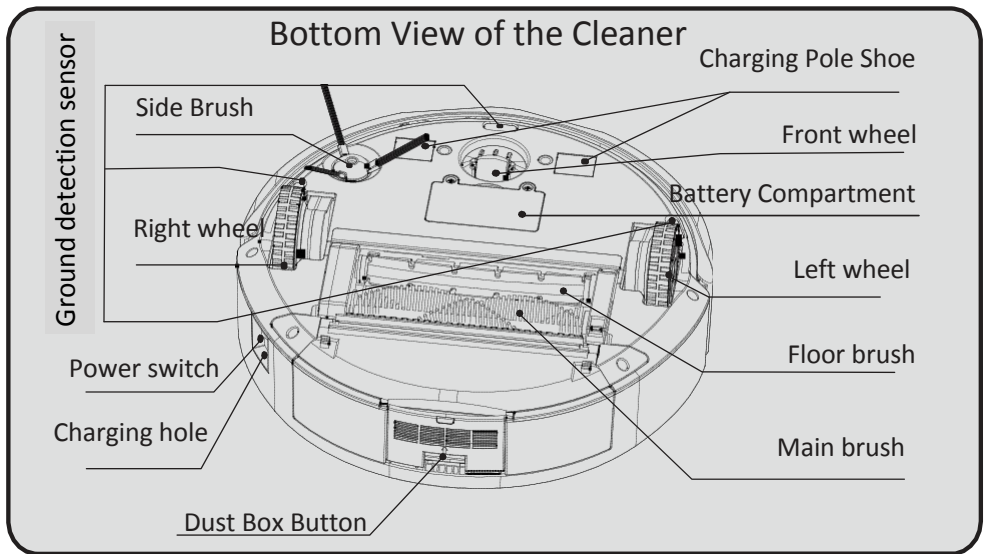
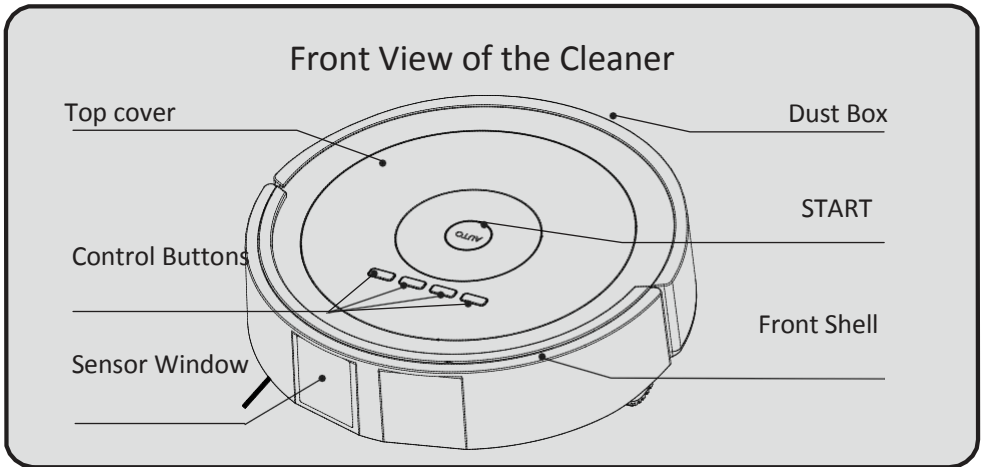
Packing List	Names	Mainframe	Charging Stand	Battery	Power Adapter	Filter	Side Brush	Clean Brush	User Manual	Screw	Mat
Qty.		1	1	1	1	1	2	1	1	1	8



Tips:

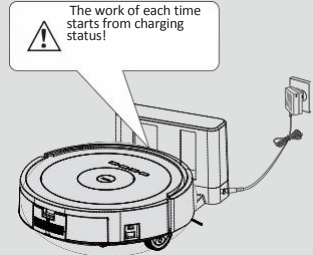
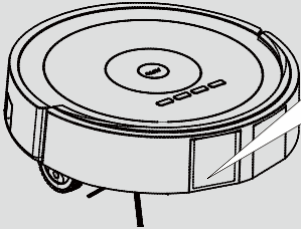
* The battery, side brush and filter have been installed well in the main body.

2.2 Names of Components and Parts



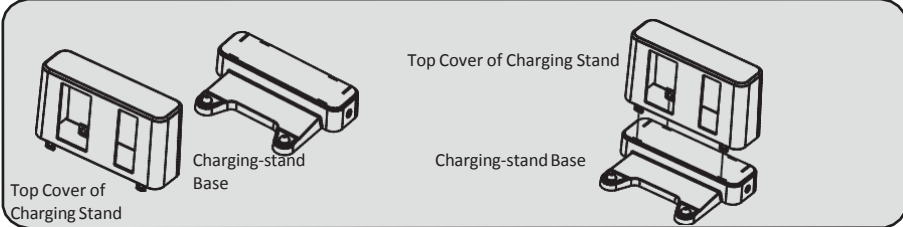
3. Product Installation

Please tear the protective film on the front laser glass before the first use of this cleaner.

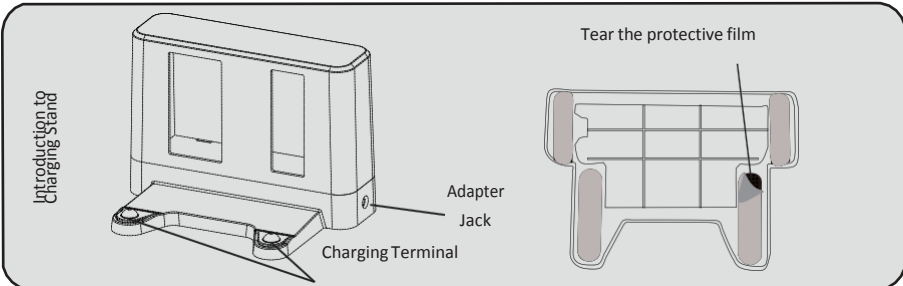


Before the use of a new cleaner, please start it for use after the protective film on the front laser glass is torn.

Installation of Charging Stand



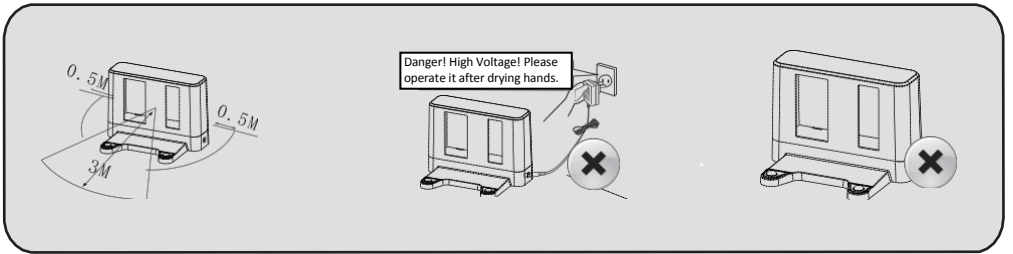
1. Take out the top cover and base of the charging stand from the packing box first.
2. Vertically press the top cover of such a stand after aiming such a cover at the button placement of the charging-stand base to make such a cover completely fit for the base.



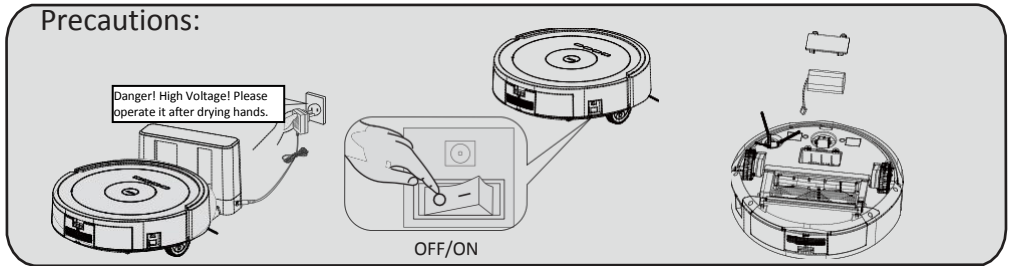
Place the charging stand against the wall and press it with force after the protective film on the mat of charging stand is torn. After that, connect the adapter with power and insert the DC plug into the DC hole of charging stand.

Tip:

Don't place the charging stand on the carpet, but at the permanent position. Please don't move the charging stand at random in the cleaning process, or the cleaner will not find the charging stand for charging.



1. No obstacles appear within 3 meters in front and 0.5 meter left and right!
2. Connect the adapter to the charging stand and power supply. Please arrange the cable of adapter to prevent the cleaner from being winded when it works.
3. Please move the charging stand or the device when the product works, otherwise it can't be recharged.

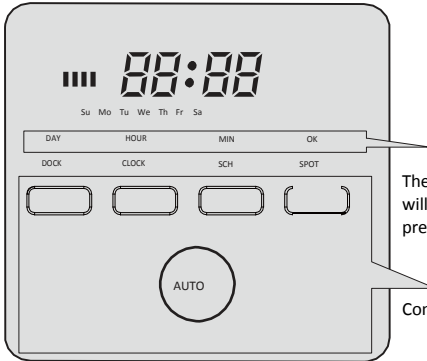


1. Please turn off the power switch when the vacuum cleaner lies idle for fear of battery damage.
2. If the vacuum cleaner lies idle for a long time, please charge the battery fully first, and then take out and place it in a cool and dry place to keep the bottom of the cleaner dry and clean.
3. In case of the first use or reuse after long nonuse of the device, the cleaner can be used after the battery is charged about 6 hours. Charging can start only after the power is completely consumed each time, if the battery is charged fully in the first 3-4 time, which can keep the battery of optimum effect.
4. Please use the original battery from the manufacturer without fail, otherwise it may cause damage or accidents.

4. Product Use

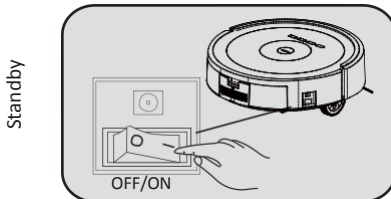
4.1 Use of Main Body

4.1.1 Explanatory Chart of Indicators and Controls Buttons

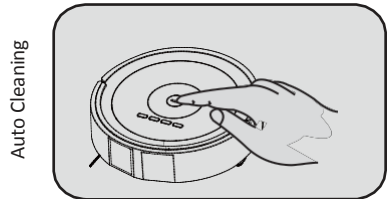


Button Introduction	
AUTO	Auto Cleaning
DOCK	Auto Recharge
CLOCK	Cur. Time Setting
SCH	Time Presetting
SPOT	Local Cleaning

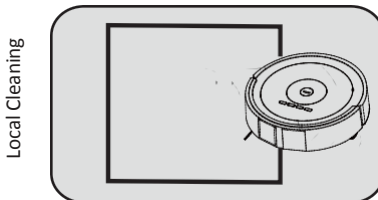
4.1.2 Working Mode :



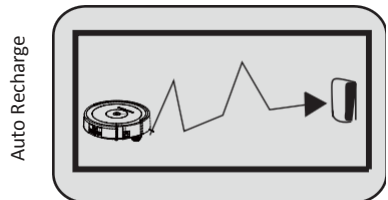
1. Ensure the cleaner battery is charged fully. Turn on the power switch and wait for 15 seconds and the indicator will light. At this time the cleaner is in the standby mode.



2. When the cleaner is standby, press the "AUTO" button and it will start auto cleaning. Press such a button again and the machine will stop cleaning.








3. When the cleaner is standby, press the STOP button and it will start local cleaning within 1 meter. Press such a button again and it will stop cleaning.



4. When the cleaner is standby, press the "DOCK" button and it will start auto recharge. Press such a button again and it will stop recharge.

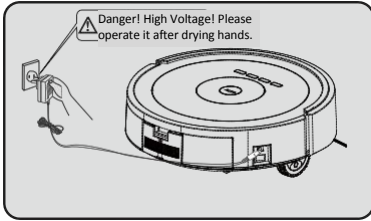
Tip: If the cleaner is short of power, it will stop cleaning and automatically search the charging stand for charging.

4.1.3 Operational Guideline of Main Body Function

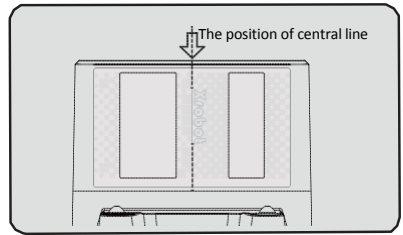
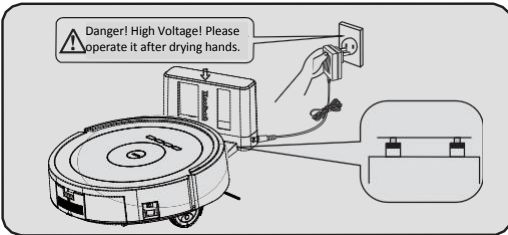
	<p>In the standby mode, press this button and the cleaner will start auto cleaning; re-press this button and it will stop working; in the clock/preset mode, press this button and this setting will be deleted.</p>
<p>SPOT</p> 	<p>In the standby mode, press this button and the cleaner will start spot cleaning; In the clock / preset mode, press this button and this setting will be saved.</p>
<p>DOCK</p> 	<p>In the working or standby mode, press this button and the cleaner will search the status of the recharging stand; re-press this button and it will stop searching; in the clock/preset mode, press this button and you can start the date setting. Press it once and days will increase one by one with week as a unit, and time will be circulated continuously.</p>
<p>CLOCK</p> 	<p>Press this button and the cleaner will enter the current time setting; Press the "DOCK" button and you can start the week setting. Press it once and days will increase one by one with week as a unit, and time will circulate continuously; Press the "CLOCK" button and you can set hours. Press it once and hours will increase one by one with one day of 24 hours as a unit and time will circulate continuously; Press the "SCHEDULE" button and you can set minutes. Press it once and minutes will increase one by one and time will circulate continuously. Remarks: Press the "AUTO" button and the current setting will be deleted; press the "SPOT" button and the current setting will be saved.</p>
<p>SCH</p> 	<p>First, press the "CLOCK" button and the cleaner will enter the current time setting mode: Press the "DOCK" button to adjust week settings. Press it once and days will increase one by one with a week as a unit and time will circulate continuously; Press the "CLOCK" button to adjust the hour setting. Press it once and hours will increase one by one with one day of 24 hours as a unit and time will circulate continuously; Press the "SCH" button to adjust the minute setting. Press it once and minutes will increase one by one and time will circulate continuously; Press the "SPOT" button to save the current settings. Then press the "SCH" button to enter the time presetting mode; Short press the "DOCK" button to adjust week setting. Press it once and days will increase one by one with a week as a unit and time will circulate continuously; Long press the "DOCK" button and you can select or delete the presetting of last day; Press the "CLOCK" button to adjust the hour setting. Press it once and hours will increase one by one with one day of 24 hours as a unit and time will circulate continuously; Press the "SCH" button to adjust the minute setting. Press it once and minutes will increase one by one and time will circulate continuously; Press the "SPOT" button to save the current settings and the cleaning presetting will be completed. Remarks: Press the "AUTO" button to delete the current setting; press the "SPOT" button to save the current setting.</p>

4.2 Charging Methods

4.2.1 Manual Charging:



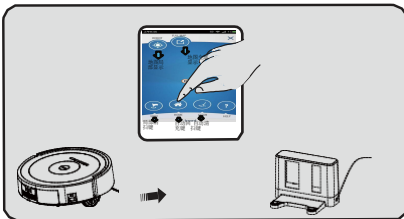
1. Charge the battery with the adapter: Connect the adapter plug with the charging hole of cleaner first and then power it on.



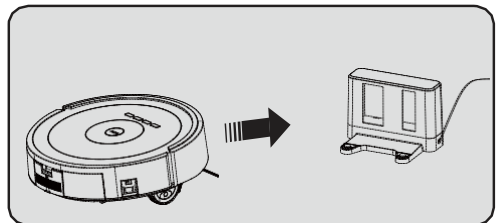
2. Charge the battery with the charging stand:
Connect the adapter with the charging stand first and then conduct power connection; switch on the cleaner and wait for 15 seconds until it enters the standby; place the cleaner in front of the charging stand and aim it at the central position of the charging stand; manually push the cleaner to the charging stand slowly until the charging pole shoe is well connected with the terminal of charging stand. Charging will start after the cleaner clicks.

Instructions for Central Position of Charging Stand:
The underline shown in the chart LOGO is the central position of charging stand as the central reference line.

4.2.2 Auto Charging:



1. APP charging:
Connect the cleaner with the iPad or mobile first and then press the "CHARGE" button. The cleaner will automatically search the charging stand in the effective range.

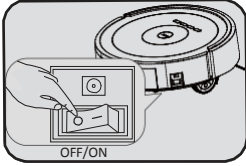


2. Auto Charging:
In the cleaning mode, the cleaner will stop cleaning when the battery is short of power, and search the charging stand for charging automatically.

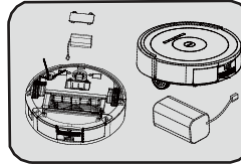
5. Product Maintenance

Tips:
Please clean and maintain the cleaner regularly as actually used.

5.1 Daily Storage

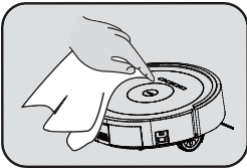


Please close the power switch without fail when the cleaner lies idle for a long time, please take the battery out and store it in a cool and dry place after charged fully. Please keep the bottom of the cleaner dry and clean.



If the cleaner lies idle for a long time, please take the battery out and store it in a cool and dry place after charged fully. Please keep the bottom of the cleaner dry and clean.

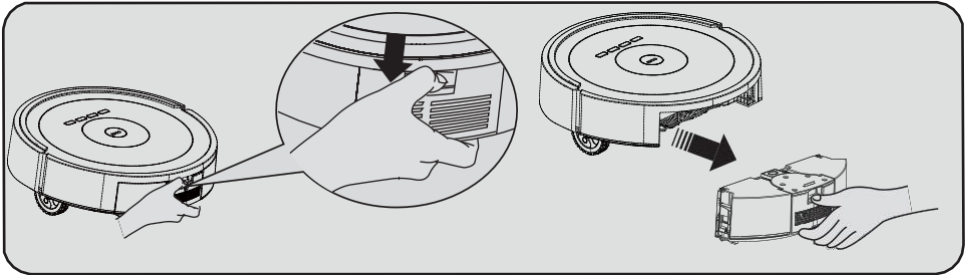
5.2 Body Cleaning



1. Please close the power switch or pull out the power plug before cleaning the body and charging stand.
2. Please scrub the cleaner with water or neutral detergent and wring the duster cloth out without fail. Never have water permeate through the product.
3. Never scrub the device with oil.

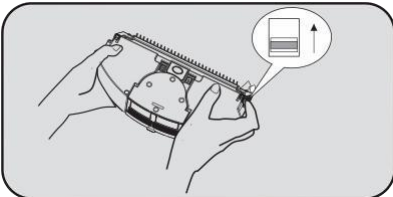
5.3 Dust-box Cleaning

5.3.1 Assembling and Disassembling Dust Box

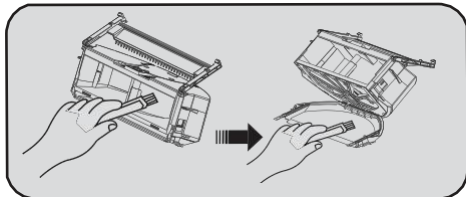


As shown in the above chart, press the button on the dust box first and then draw out the box.

5.3.2 Dust-box Cleaning

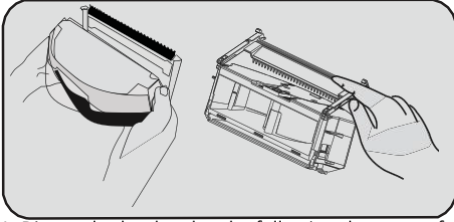


1. Move up the buckles on both sides of the dust box first, and then open the baffle for dumping of dust.

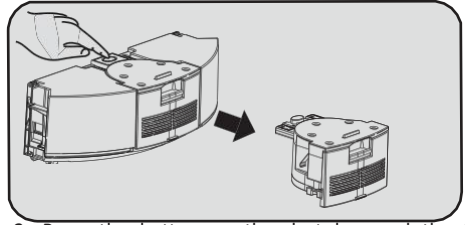


2. As shown in the above chart, clean it with the dust brush.

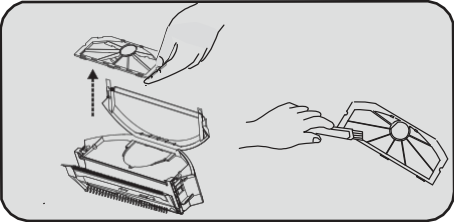
5.4 Filter Cleaning



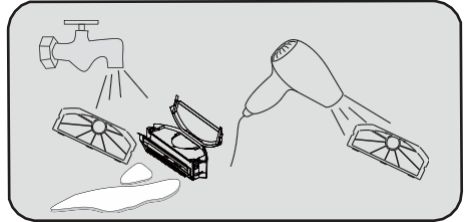
1. Dismantle the dust box by following the steps of assembling and disassembling the dust box first, and then open the baffle through moving the buckles on both sides.



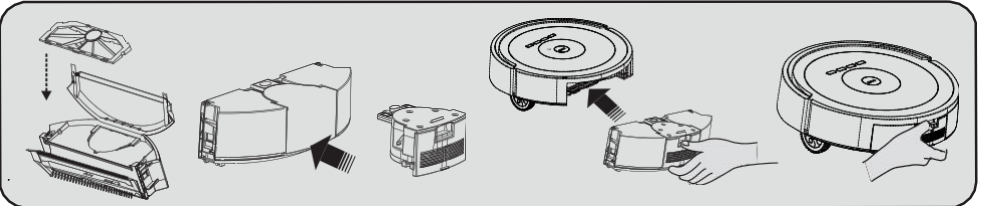
2. Press the button on the dust box and the fan assembly will automatically pop up.
(Note: The fan assembly can't be washed directly with water.)



3. Put away the fan assembly and take out the filter first, and then remove the dust on the filter with the dust brush.



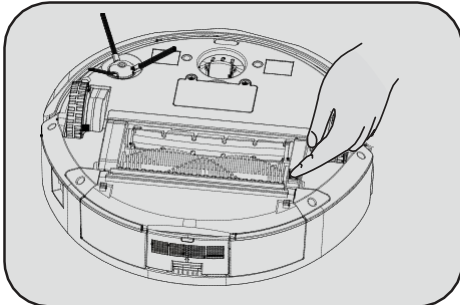
4. If you find too much dust in the dust box and on the filter, please flush the filter and the inside of dust box under running water (note: the dust box and filter can be placed into the cleaner only after fully dried.)



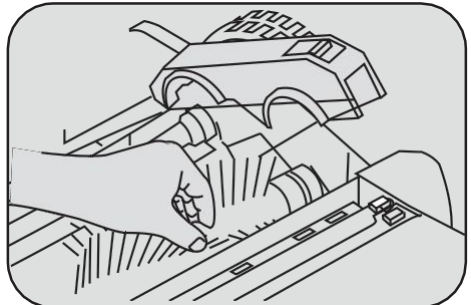
5. Upon cleaning, install the filter and fan assembly into the dust box first, and then fix the dust box into the cleaner.

5.5 Middle Brush Cleaning

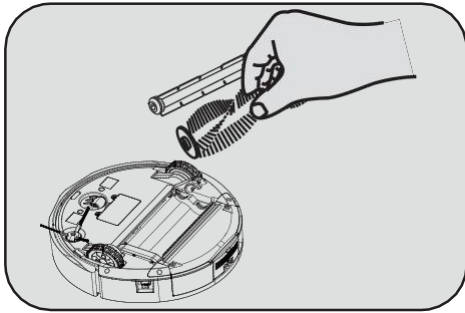
5.5.1 Assembling and Disassembling of Middle Brush



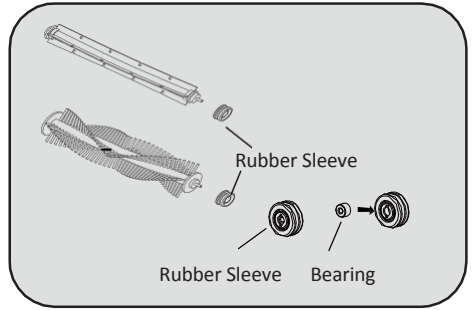
1. As shown in the figure, push forward the locking-bar buckle and lift it up.



2. Hold and lift up the main brush or mid-brush.

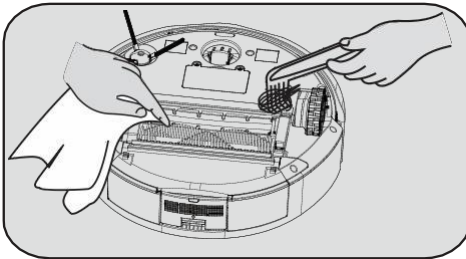


3. Take out the main brush and mid-brush.

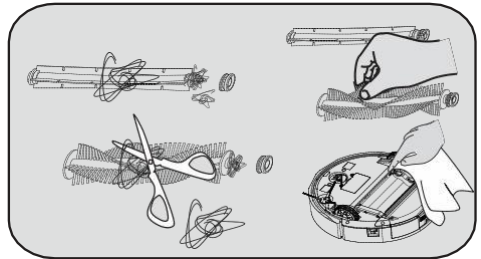


4. Take out the rubber sleeves separately from the main brush and mid plastic brush. (Note: there is a bearing in the rubber sleeve. Don't let it fall off during dismounting and cleaning. If so, please insert it back into the rubber sleeve.)

5.5.2 Cleaning of Main Brush and Mid Plastic brush

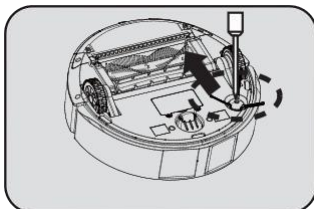


1. As shown in the figure, clean the main brush and mid plastic brush with the dust brush at regular intervals.

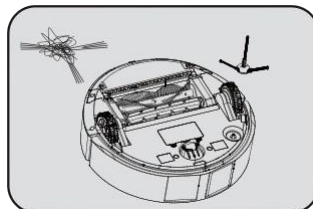


2. As shown in the above figure, clean up the hair and other entanglements on the main brush and mid plastic brush at regular intervals.

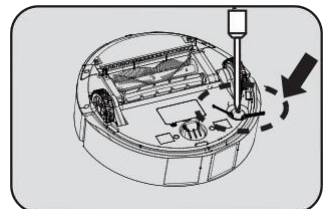
5.6 Side-brush Cleaning



1. Unscrew the screws from the side brush.

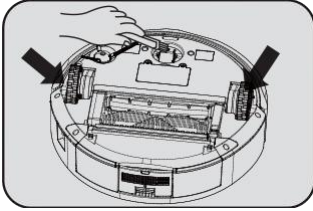


2. Take out the side brush and clean up the hair on the brush first, and then remove the entanglements in the neck of side brush.



3. Put the side brush on it and lock the screws on the side brush with the screwdriver.

5.7 Wheel Cleaning

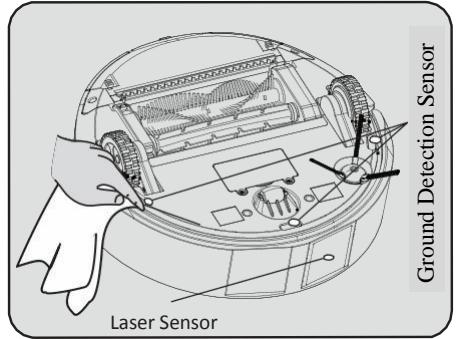


Please clean the front wheel and left-right wheels with the dust brush regularly.

(Note: The wheel spindle may be entangled by hair and cloth strips. If so, please remove them without delay.)

5.8 Sensor Cleaning

After the cleaner completes cleaning each time, please scrape clean its transparent board carefully to prevent dust from piling up on such a board so as to affect the usability of this product.




Laser Sensor

Ground Detection Sensor

6. Common Faults

6.1 Alarm and Prompt


 Note: 1. The cleaner will stop working or can't be started in the following cases. 2. Please pay attention to the fault codes on the display screen. Please remove abnormalities by reference to the following table.

Fault Code	Interpretive Code	Fault Forms	Troubleshooting	Remarks
E001	Ground detection fails.	1. The inductive head is blocked. 2. The device is clamped at the step.	1. Clean the ground detection sensor. 2. Take out the cleaner with hands.	Clean and maintain the ground detection sensor regularly.
E002	Mid plastic brush fails.	1. The mid plastic brush is clamped. 2. The mid plastic brush is twined by hair and cloth strips.	Check the mid plastic brush and clean foreign matters on it.	Clean and maintain the mid plastic brush regularly.
E003	Electric energy is short.	1. The cleaner can't work normally. 2. It can't automate charging.	Please conduct the manual charging.	It can't automatically return to recharge because the electric energy disappears.
E004	Right wheel fails.	1. The wheel is clamped. 2. The wheel is twined by hair and cloth strips.	Check the right wheel and remove the entanglements on the right wheel.	Clean and maintain the wheels regularly.
E005	Dust box faults: Motor faults arise from poor contact of	1. The dust box is not mounted. 2. The dust box is mounted badly.	1. Fix the dust box. 2. Check it for installation.	
E006	The cleaner is off ground.	1. The cleaner is lifted. 2. The front wheel is elevated excessively.	Guarantee the machine lands smoothly.	Please clean the dust box first before lifting the device.
E007	Side brush is clamped.	The side brush is twined by hair and cloth strips.	Check the side brush and remove foreign matters on it.	Replace the excessively worn side brush with a new one.

6.2 Common Faults


No.	Faults	Solutions
1	The vacuum cleaner always goes back at work.	1. Prevent the cleaner from working in the glare environment. 2. Prevent the cleaner from being used on the dark-black carpet. 3. Check if the ground detection sensor is covered with rubbish including dust. If so, please scrub it with a piece of dry cloth.
2	The cleaner can't be started.	1. Check the power switch of cleaner for being on and the indicator for lighting. 2. Check if the cleaner is powered on and start it after it is charged.
3	The cleaner can't automate charging	1. Check if the charging stand is powered on. 2. Check if there are obstacles between the cleaner and the charging stand. 3. Please charge the battery manually when the electric energy is short.

No.	Faults	Solutions
4	The cleaner can't sense APP.	<ol style="list-style-type: none"> 1. Check the APP for correct installation. 2. Check the cleaner and iPad or mobile for normal connection.
5	The cleaner will halt automatically after working a period.	<ol style="list-style-type: none"> 1. Check if the cleaner starts "Local Cleaning" mode. "Local Cleaning" mode works 3-5 minutes.
6	The cleaner can't be charged.	<ol style="list-style-type: none"> 1. Check if the adapter is an original product and if it is connected with the power supply. 2. If the cleaner deforms and damages, please stop using it and contact our customer service center.

 Tips: If the corresponding faults can't be fixed by reference to the above methods, please contact our customer service personnel without delay.

7. Technical Parameters

Functional Parameters of Main Body		Functional Parameters of Parts	
Operating Voltage	DC14.8 V	Adapter	
Rated Power	24 W	Output Voltage	DC18V
Battery	Lithium Battery	Output Current	_ _ _1000mA
Battery Capacity	2600mAh		
Charging Time	About 3-5 hours	Charging Stand	
Operating Time	≥60 minutes	Input Voltage	DC 18V
Oper. Temp. Range	-20 °C~50 °C		
Oper. Humid Range	≤80%RH		
Noise	≤65dB		
Weight	3.5kg		
Dimensions	340*340*90mm		

 Tips: We reserve the right to alter any technologies and designs of product due to the need for continuous improvement of product. The right of interpretation belongs to us.

8. Use of APP

8.1 How to download APP?

Scan the two-dimensional code on the color box or on the right for APP downloading.

8.2 How to install APP?


Install APP, register a new account and connect the machine as prompted.

8.3 How to use APP?

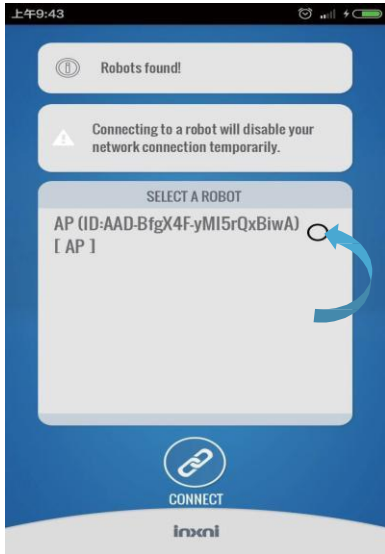
1. Turn on APP by opening the power switch of the main body as shown in the following figure.

Step 1: click “START SETUP WIZARD” and enter Figure 2. Start the next step by clicking “Refresh”.

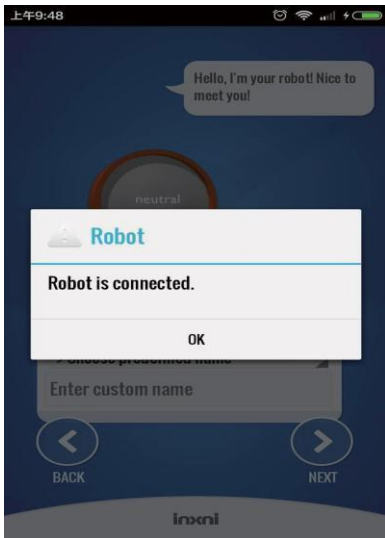


 Tips: APP may lose connection when the device is far from the mobile or iPad due to the network quality of home. Please reconnect it.

2. Click “Refresh” and the Main Body AP address will appear. Click “CONNECT” after selecting the Main Body AP address first and then enter the password of the Main Body at the area shown in Figure 2 (each Main Body has a label). Click “NEXT” TO ENTER THE NEXT STEP.



3. Select “OK” as shown in the figure and start the next step after entering the password for connection.



4. Click “RETURN” on the mobile as shown in Figure 1 first and then enter the next APP operating phase by clicking “OPEN MAP” as shown in Figure 2.



The operation interface of APP is shown as the following figure.



Shenzhen Silver Star Intelligent Electronic Co., Ltd

Address: Block D, Huiqing Technical Park, Dafu Industrial Zone, Aobei Community, Guanlan Street, Baoan District, Shenzhen City

Post-sale service hotline: 400 6671 909

[Http://www.yxrobot.com](http://www.yxrobot.com)

Caution:

This device complies with Part 15 of the FCC rules and Industry Canada license-exempt RSS standard(s). 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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

This radio transmitter (identify the device by certification number or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.