

2



XShudi  Smart Sweeping Robot

Product Manual

HXS-C3

Thank you for purchasing, wish you have a happy experience.

Contents

1. "Huiba"App Operation Guide... 2-3	6. Product Maintenance.....14-17
2. Safety Instruction..... 4-6	6.1 Clean the Main Body
2.1 Use Notes	6.2 Clean the Dustbin
2.2 Safety Precautions	6.3 Clean the Main Brush
2.3 About Child Safety	6.4 Clean the Side Brush
2.4 About Battery	6.5 Clean the Front Wheel
2.5 Wireless Device Warning	6.6 Clean the Left Wheel and Right Wheel
2.6 Usable Scope	6.7 Clean the Sensors
3. Product Formation..... 7-8	6.8 Clean the Trailing Bar Assembly
3.1 Main Body and Accessories	6.9 Others
3.2 Accessories Introduction	7. General Error 18
4. Product Installation..... 9	7.1 Alarm and Prompt Facility
4.1 Main Body	7.2 General Error
4.2 Charging Station	8. Technical Parameters..... 19
4.3 Installation of "Huiba" App	Attachment: 20-23
5. Product Usage.....11-13	"Huiba"App Operation Guide
5.1 Main Body	
5.2 Remote Control	
5.3 Charging Station	
5.4 Charging Methods	

1. “Huiba” App Operation Guide

1.1 Download & Install “Huiba” App

*Scan the QR Code below or search “Huiba” in App Store or Google Play.

*App can read 10 countries language ,including English,German,French, Spanish,Chinese,Russian,Portuguese,Japanese,Hebrew,Italian.



Huiba



IOS



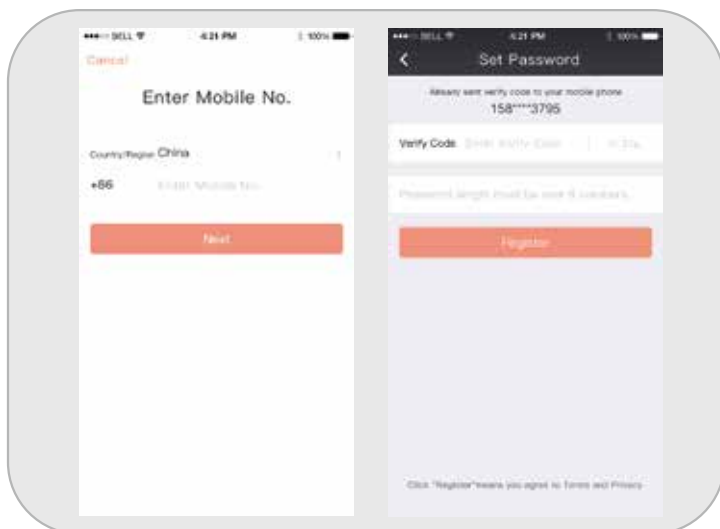
Google Play

1.2 Register

Step 1. Enter mobile phone No..

Step 2. Input passwords after receiving verify code.

Step 3. Finish registration.

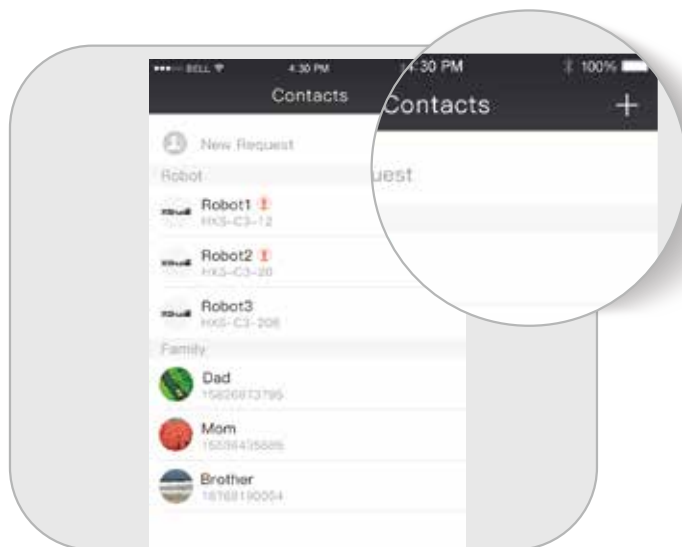


1.3 Add The Robot

1. Enter into App "Huiba", click "+" on home page to get into add robot interface, operating based on guiding steps on the App interface.



2. If you want to add multiple robots, click "+" in the upper right corner of the contacts, operating based on guiding steps on the App interface.



2. Safety Instruction

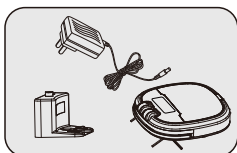
2.1 Use Notes

Please observe the following safety precautions before using the product:

- * Read the User Manual carefully, and use the product according to the instruction.
- * Keep the User Manual carefully for the future reference.
- * If you want to send the product to others, please send it together with the User Manual.
- * Any error operation may damage the product or cause serious personnel injury.

2.2 Safety Precautions

△ Caution



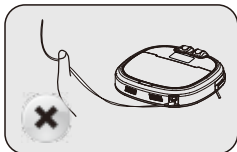
Please use the original adapter, battery and charging station, otherwise it will damage XSmart and cause fire because of electric shock and high voltage.

If you find that the main body and accessories are damaged, is not allowed to disassemble maintenance or remould the XSmart. Please do not use the XSmart and contact with the after-service department.



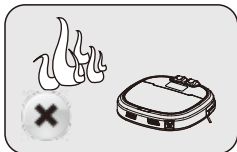
Do not touch the battery socket and XSmart when your hands are wet, otherwise it will cause electric shock.

Do not use the XSmart in the place without guard railing, otherwise it will damage the XSmart and cause personal injury.



Do not bend the power cord overly or place weight on it, otherwise it may cause power cord damage, fire or electric shock.

Do not approach cigarette, lighter, match and other heat objects or combustible materials such as the gasoline to XSmart.



Do not put your clothes or any place of your (hair, finger and so on) into the main brush and wheels, or it will cause personal injury.



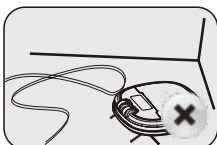
Attention



This product is only used indoor.



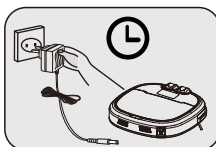
Water, oil or other liquid shall be prevented from damaging the XSmart.



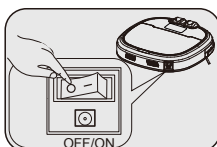
Please clean up the wire in the floor, or it will hinder the working of the machine.



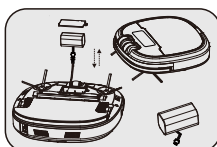
Please remove all the fragile objects.



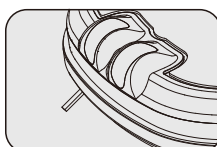
Please charge the battery about 5 hours for first using.



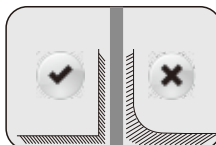
Please turn off the power switch if you do not use the XSmart, otherwise it will damage the battery.



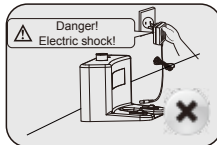
If the machine is not used for a long time, please charge the battery fully, then take it in shade place, keep the bottom of cleaner dry.



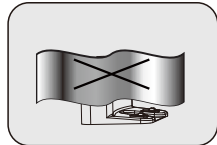
Please wipe the camera a soft cloth when it is blur.



It's better to place charging station against the wall and flat ground.



Please cut off the power supply plug when non-used for a long time.



Do not cover the signal window of the charging station, otherwise XSmart auto-charging will be invalid.

2.3 About Child Safety

2.4 About Battery



* The machine should not be used alone by children.

* Forbid the children playing the packing bag, otherwise it will cause smother.



1. XSmart will only be used with the original battery.
2. Please turn off the power switch before taking out the battery .
3. The battery must be taken out before abandoning it.
4. If the battery is leak, please do not touch the liquid, you should wipe the liquid with dry cloth, and put the battery to recycle bin or maintenance point, do not throw it at random.
5. The battery includes hazardous substance, please put it to recycle site according to original environmental protection regulations.

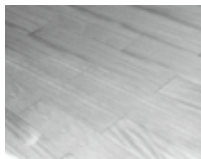
2.5 Wireless Device Warning

This device contains transmitter module,
FCC ID: 2ALRN-HXS-C3
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.
(2) This device must accept any interference received, including
interference that may cause undesired operation.

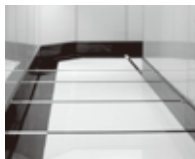
2.6 Usable Scope

Applicable Scope

The robot is suitable to the following environment



Wooden Floor

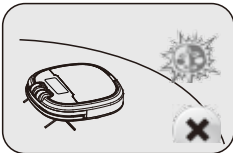


Tile



Carpet

Inapplicable Scope



*Not suitable to be used in the extreme hot or cold environment.

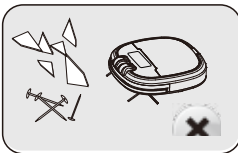


*Do not use XSmart in the place without guard railing, otherwise it will damage XSmart and cause personal injury.

*Do not use XSmart in the following environment: wet, inflammable, explosive and easily corrosive.

*Do not let XSmart clean the flaming cigarette butts, matches and so on.

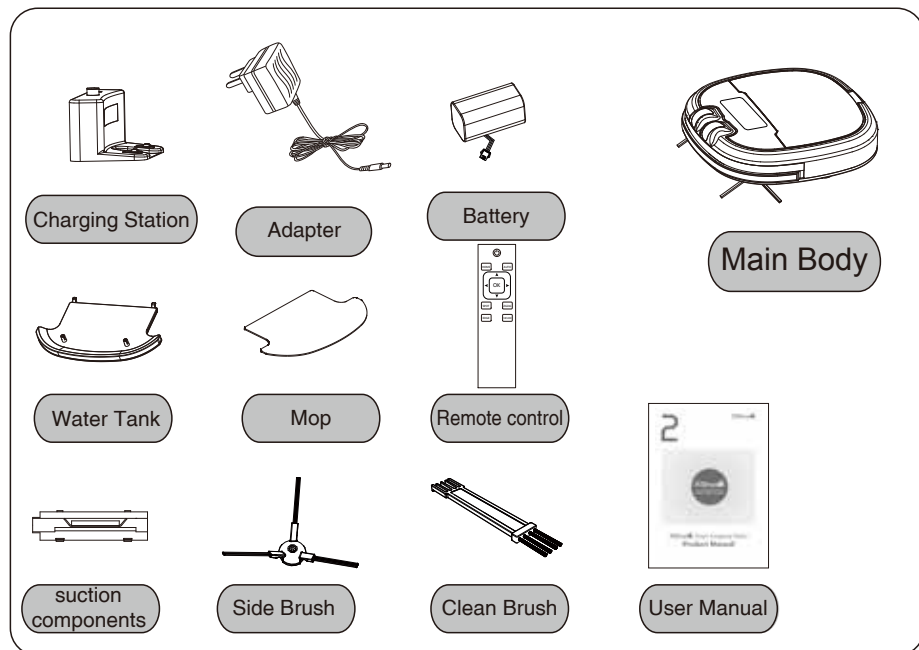
*Do not let XSmart suck the toner from laser printer and copier, otherwise it will cause fire.



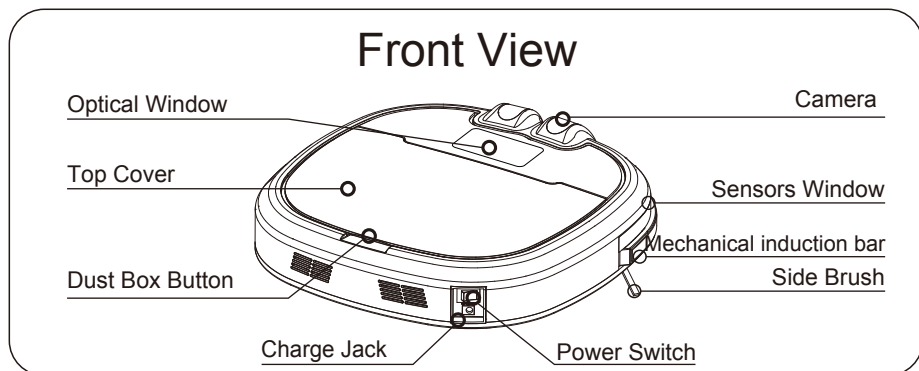
*Do not let XSmart suck sharp objects, such as glass sheet, piton and so on, otherwise it will damage XSmart.

3. Product Formation

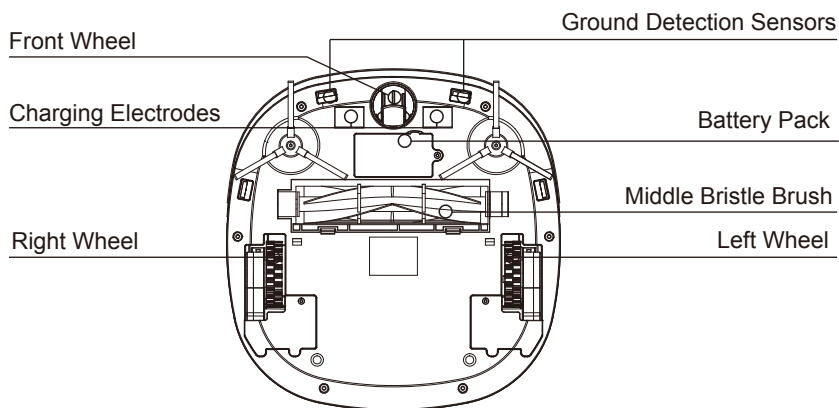
3.1 Main Body and Accessories



3.2 Accessories Introduction



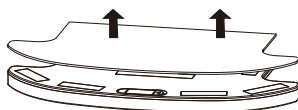
Bottom View



Trailing Bar Assembly



Mop

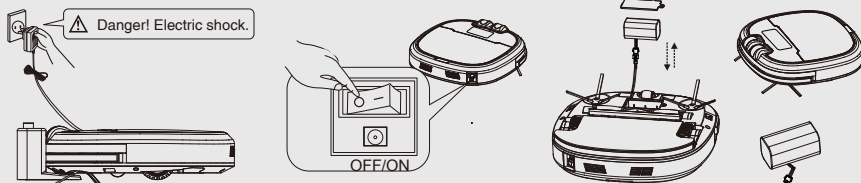


4. Product Installation

4.1 Main Body

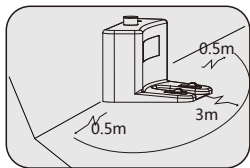
Caution:

⚠ Danger! Electric shock.

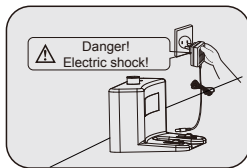


1. If you do not use the machine, please turn off the power switch, or else it will damage the battery.
2. If the machine is not used for a long time, please charge the battery fully, then take it out and put it in shade place, keep the bottom of cleaner dry.
3. The battery should be charged about 5H, if the machine is not used for a long time or the first time. When the battery is used up for 3-4 times, which will make the battery best efficient.
4. You should use the original battery, or else it will cause damage and accident.

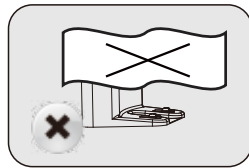
4.2 Charging Station



1.Put charging station on the flat floor against the wall and keep any obstacles away from the charging station in of 3m and 0.5m on the left and right.



2.Connect charging station to power socket.



3.Do not cover the signal window of the docking station, otherwise the function of auto-charging will be invalid.

4.3 Installation of “Huiba”App

This App is just apply to smartphone.

1.The system version requirements for smartphones are as follows.

Android system must be 4.0 or above,IOS system must be 8.0 or above.

2.Two options for App downloading:

A-Search "Huiba" in App store or Google Play.

B-Scan the below QR code.



Huiba



IOS

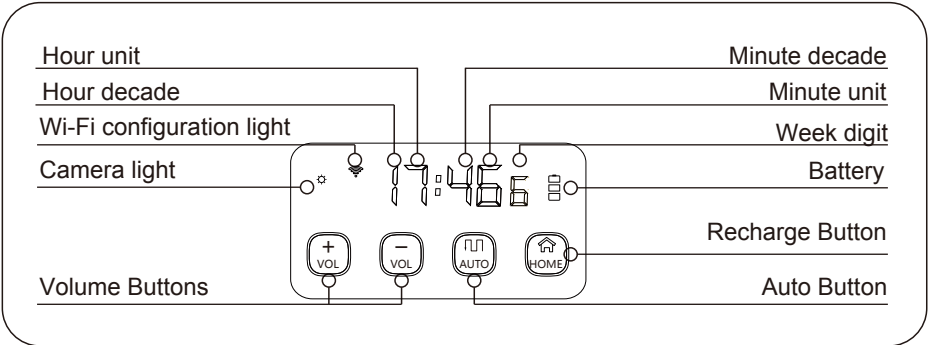


Google Play

3.For more information, please refer to Chapter 1, "Huiba App Operation Guide".

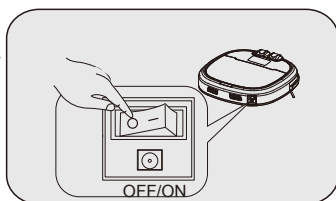
5.Product Usage

5.1 Main Body



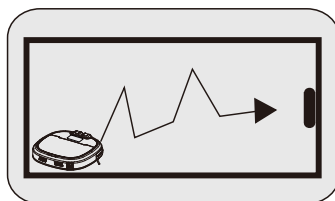
Icon	Buttons' Instruction
	Press this button and release, and then hear "tip", the volume of the machine will increase. Press this button for 10 seconds until you hear the "tip-tip" and release, the machine will enter the time setting mode, the number of the week will be flashing, press " " button to increase the number, press " " button to reduce the number; Press " " button to make the hour decade digits flashing, press " " button to increase the number, press " " button to reduce the number, and so on, time set-up succeed.
	Press this button and release, and then hear "tip", the volume of the machine will increase.
	Auto button: Press this button and release, and then hear the "tip", the robot enter the " " shape cleaning mode, and then click again, the machine will pause cleaning. Press this button for 10 seconds until you hear "tip-tip" and then release, wifi indicator flashes, the machine finishes wifi signal firing.
	Recharging button: Press this button and then hear "tip", machine in standby mode or operation mode will automatically search for the charging seat, and then click again, the machine will stop searching.
	Wi-Fi configuration light: When the white light flashes, the machine completes the WiFi signal launch, when the white light is normally bright, the devices addition of the machine is successful.
	Camera light: Normal Light shows that the camera is on.

Standby



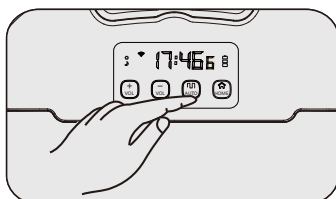
Make sure the robot has enough power, turn on the power switch, wait for 25 seconds hear the "tip", the program starts, in standby mode.

Auto Charging



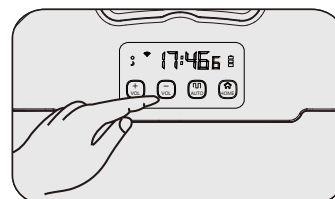
2. XSmart will automatically return to its docking station for self-recharging when the battery is low. Connect the App on smart phone, Robot can be controlled to charging.

Auto Cleaning



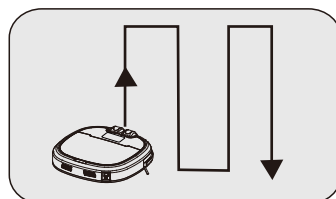
3. Turn on the power switch and press the "AUTO" button, XSmart will start cleaning. Press it again, XSmart will stop cleaning.

Volume control



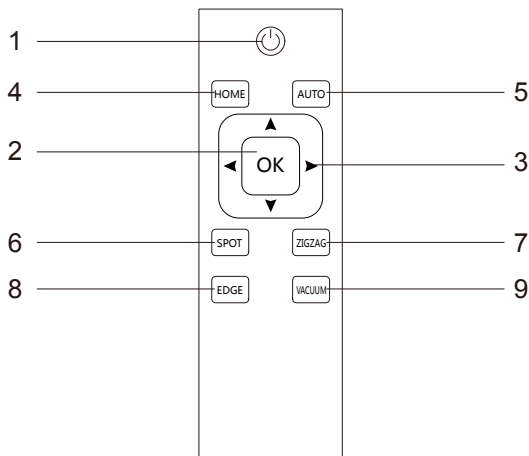
4. Turn on the power switch and press the "+" or "-" to change the volume.

Zigzag Cleaning



5. Press the "AUTO" button, Xsmart enter the "∩∪" shape path of cleaning mode.

5.2 Remote Control



1. "POWER" button

Under the operating mode, the machine stops cleaning by pressing this button.

2. "OK" button

A. Under the standby mode, the machine starts advanced zigzag cleaning by pressing this button.

B. Under the operating mode, the machine stops cleaning by pressing this button.

3. Direction buttons

A. "▲" Up

Under the standby mode or operating mode, the machine moves forward by pressing this button.

B. "▼" Down

Under the standby mode or operating mode, the machine moves backward by pressing this button.

C. "◀" Left

Under the standby mode or operating mode, the machine rotates to the left by pressing this button.

D. "▶" Right

Under the standby mode or operating mode, the machine rotates to the right by pressing this button.

4. "HOME" button

Under the standby mode or operating mode, the machine retunes to charging dock for recharging its battery by pressing this button.

5. "AUTO" button

Under the standby mode or operating mode, the machine starts zigzag mode by pressing this button.

6. "SPOT" button

Under the standby mode or operating mode, the machine starts cleaning mightily by pressing this button.

7. "ZIGZAG" button

Under the standby mode or operating mode, the machine starts zigzag mode by pressing this button.

8. "EDGE" button

Under the standby mode or operating mode, the machine starts cleaning along the edge by pressing this button.

9. "VACUUM" button

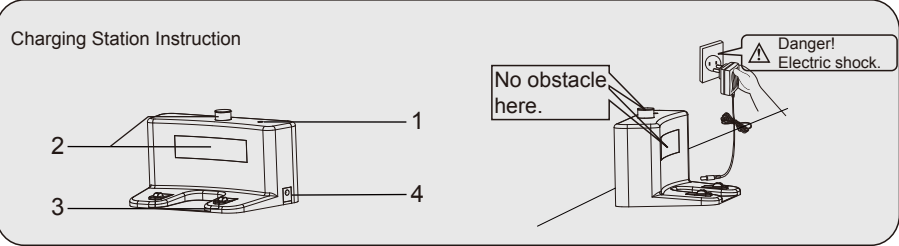
Under the standby mode or operating mode, the machine starts strong suction power by pressing this button.

!Note:

1. Please assemble two pieces of batteries before use.

2. If the remote control is not in use for a long time, please take out its batteries.

5.3 Charging Station



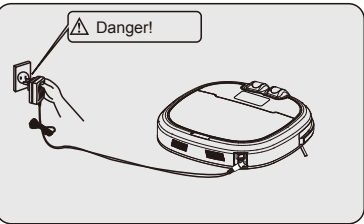
Usage:

1.Install the charging station according to the method from page 8, as shown on the top right photo.

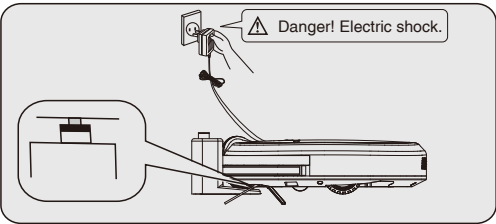
NO	Name	Function
1	Charging indicator	When the adapter is connected power supply, the red indicator light is on. When the Xsmart is in charge, the blue light is on.
2	Signal window	Emitting signal is the unique way to conduct to recharge with charging station, so the signal window should be clean regularly to ensure the sensitivity and accuracy.
3	Charging electrodes	The charging electrodes should well contact with electrodes, otherwise the charging will fail .
4	DC socket	Output end jack of adapter.

5.4 Charging Methods

5.4.1 Manual Charging

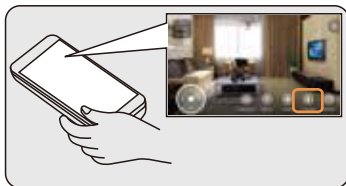


1. Charge the XSmart with an adapter:
Connect the plug between the XSmart and the adapter, then insert the socket.

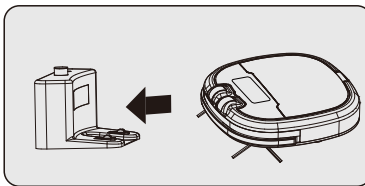


2. Connect the plug between the adapter and charging station, then put the XSmart behind the charging station,put the charging electrodes on the charging station directly, finally connect the power socket .

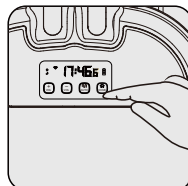
5.4.2 Auto charging



1. Auto-charging by smart phone App: Firstly install the app, then open the controlling interface, click the "charge" button and XSmart will find the charging base in the effective scope.



2. Auto charging : When the battery power is low during the cleaning, XSmart will emit the sound "tip-tip", the main brush will also stop working, and XSmart will go back to the charging station automatically.

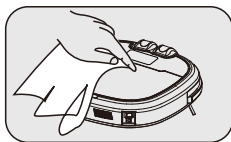


3. Auto-charging: XSmart will return to charging station for charging after press the HOME button.

6. Product Maintenance

Tips: Please clean the XSmart regularly according to the usage.

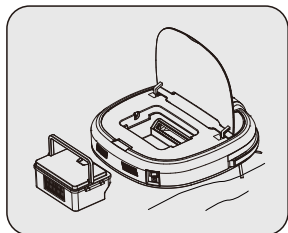
6.1 Clean the Main Body



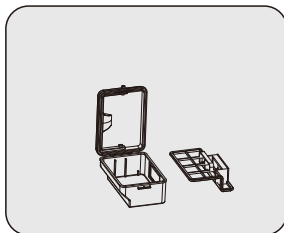
1. Before cleaning the main body, please turn off the power switch and take out the power plug.
2. Please wipe the main body with water and neutral detergent, and make sure the mop is dry, do not put the water into robot.
3. Do not wash robot with oil.
4. Do not make the water into the speaker hole.

6.2 Clean the Dust Box

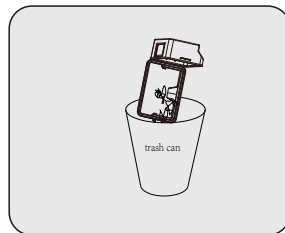
6.2.1 Removing Dust Box



1. Lift the cover and remove the dust box

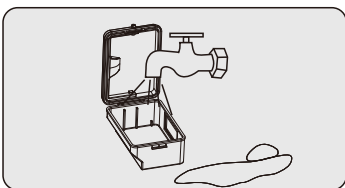


2. Remove the filter



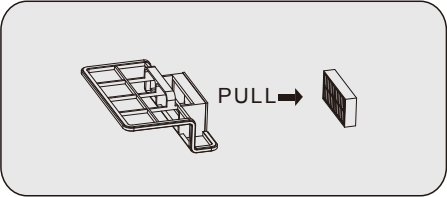
3. Dust out

6.2.2 Clean the Dust Box

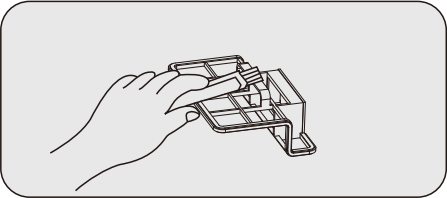


1. Rinse the dust box

6.2.3 Clean the filter

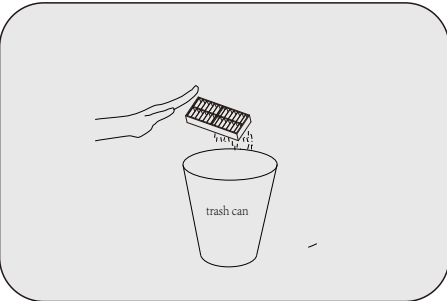


1.Remove the HEPA

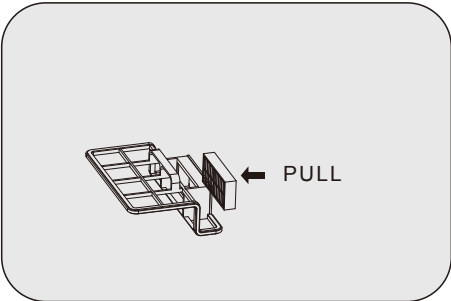


2.Use the brush to brush the filter

6.2.4 Clean the HEPA



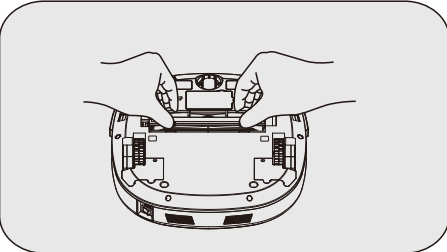
1.Pat the HEPA



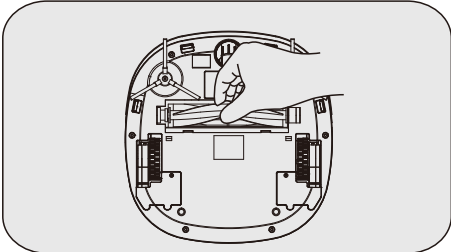
2.Install the HEPA

6.3 Clean the Main Brush

6.3.1 Assemble and Disassemble the Main Brush



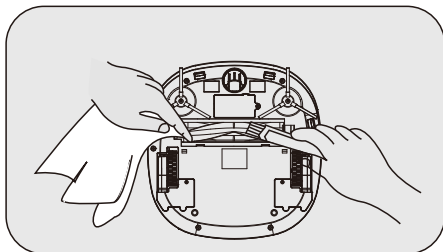
3.Please push the buckle to open the main brush lock,



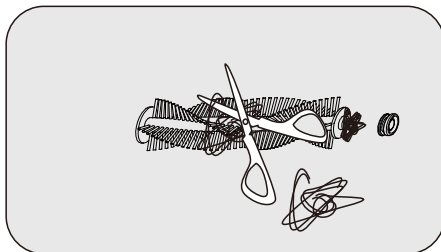
4.Grasp the middle bristle brush and fill it up.

3.As shown on the above photo,push the buckle strongly ,and fill it up.

6.3.2 Clean the Middle Bristle Brush

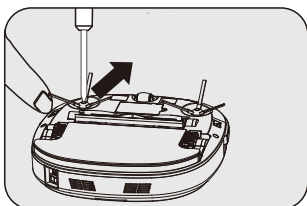


1. Please follow the above pictures illustrate to clean the main brush by clean brush.

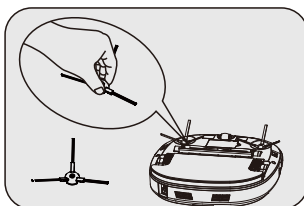


2. Please clean the hair and cloth wrapped around the side brush.

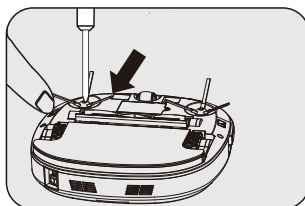
6.4 Clean the Side Brush



1. Take out the screw with a screwdriver on the side brush.



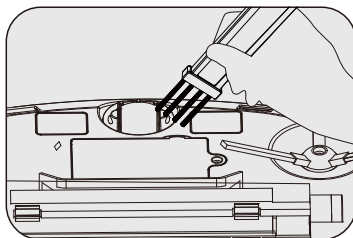
2. Take out the side brush, clean the hair on the side brush, then clean the entanglement in the slot.



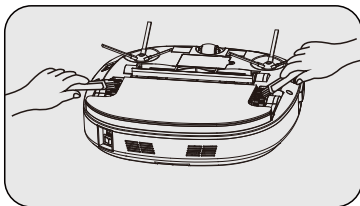
3. Put the side brush in the hole, lock the screw on the side brush.

6.5 Clean the Front Wheel

1. Clean the front wheel with the clean brush.



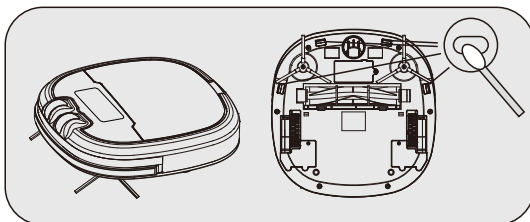
6.6 Clean the Left Wheel and Right Wheel



1. Clean with the clean brush, do not clean with water.
(Tips: Please clean the wheels regularly if hair and a strip of cloth twine in the axle of the wheels.)

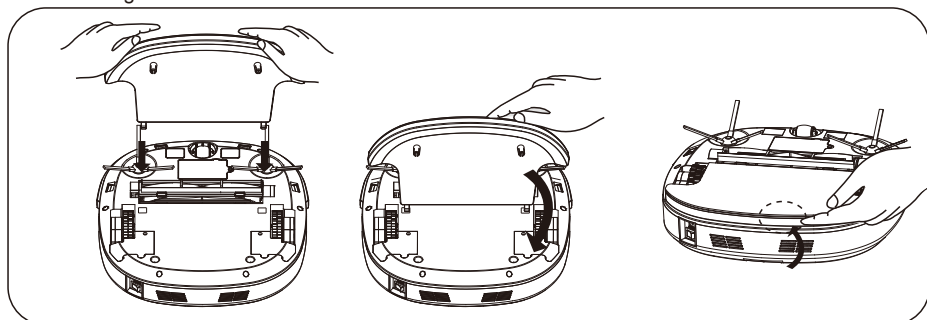
6.7 Clean the Sensors

Please wipe the sensor window by dry cloth or clean it by brush.



6.8 Clean the Trailing Bar Assembly

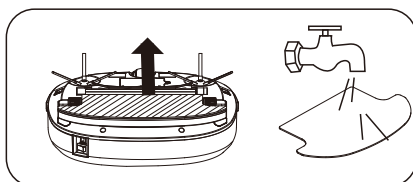
Tips: The trailing bar assembly is an accessory that is suitable to the flat floor, please use it according to the house environment.



Please assemble and disassemble the trailing bar assembly according to the above photo.

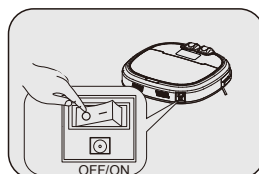
6.8 Clean the Mop

- 1.Pull the mop from the mop plate,then wash it by water.
- 2.Put it on the velcro properly and then press it.

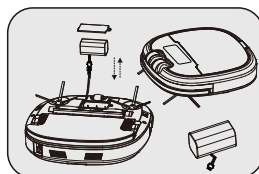


6.9 Others

Please turn off the power when it is not in use.



Please take out the battery and store it in shadow and dry places when it is not in use.



7.General Error

7.1 Alarm and Prompt Facility

1. If the machine stops working, the display will show the error code.
2. Please check the display failure prompt, according to the following tips to clear the exception.

Error Code	Faults performance	Solution	Remarks
E1	Obstacles on the sensors window.	Clean the ground detection sensor.	Clean the ground detection sensors regularly.
E2	Obstacles on the sensors window.	Clean the Wall detection sensor.	Clean the wall detection sensors regularly.
E3	Driving wheel off the ground	Place the machine on the ground.	Keep the machine on the ground.
E4	1.Driving wheel block. 2.Hair and a strip of cloth twine in the wheels.	Please check and clean the debris on the driving wheel.	Clean the wheels regularly.
E5	1.The Side brush while blocking. 2.Hair and a strip of cloth twine in the Side brush.	Please check the hair and cloth wrapped around the side brush.	Clean the Side brush regularly.
E6	1.Can not work 2.Cannot automatically charge.	Charge the XSmart manually.	Please keep XSmart charging after working everytime.
E7	The battery is not connected.	Connect the battery cable.	
E8	The battery is damaged.	Battery replacement.	
E9	Mechanical induction bar are stuck.	Check the mechanical induction bar.	

7.2 General Error

No.	Faults	Solution
1	Walk back all the time	1. It is better to avoid robot working in the strong bright environment. 2. It is better to avoid robot working in the black carpet. 3. Check the ground sensors to see if any dust or dirt covered the sensor window.
2	XSmart does not work	1. Check whether the power switch is on. 2. Check whether XSmart is enough power, if not, please charge the XSmart.
3	Unable to auto-recharge	1. Check whether the LED indicator of docking station is on. 2. Check whether there are obstacles between XSmart and recharging station. 3. When the battery power is low, please charge XSmart artificially.
4	Unable to recharge	1. Check if the battery is installed correctly. If yes, please turn on the power switch to see if the display is on. 2. If the appearance of the battery is deformed, damaged and so on, please stop using XSmart and call our customer service.

8. Technical Parameters

Main Body Parameters		Accessories Parameters	
Working Voltage	DC14.8 V	Adapter	
Rated Power	28 W	Input Voltage	AC100-240V
Battery	Li-Ion	Output Current	1000mA
Battery Capacity	2600mAh		
Charging Time	About 4-5H	Docking Station	
Cleaning Time	90-120 M	Input Voltage	DC 24V
Video & Audio Time	About 4-6H	Output Current	1000mA
Work Temp Range	-10°C~45°C		
Work Humidity Range	≤ 90%RH		
Dust Box Capacity	830mL		
Voice	≤ 71dB		
Specification	340*340*95mm		

Remarks: Our company reserves the rights for any technology and design change due to products product function improvement, and we reserves the right of final explanation.

Attachment

“Huiba”App Operation Guide

1.“ Huiba ” App Remote Control XSmart

Login “ Huiba ” App and click “Robot” icon to enter the main function interface.

XSmart Remote Control Interface:

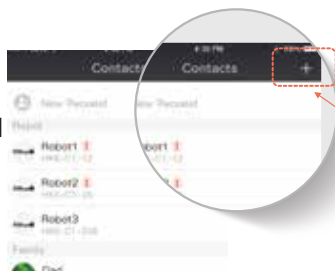
- Press direction icons to control XSmart back and forth, left and right.
- It's available to adjust the camera angle 45° up or down by sliding screen with finger.
- Press “AUTO” to the cleaning XSmart according to the “回” shape path;
- Press “Clean Mode” to enter a variety of cleaning mode selection:
 - A - “Zigzag-Mode” refers to the cleaning XSmart according to the “回” shape path;
 - B - “Spot Mode”, XSmart begins to work by spiral within the limited area;
 - C - “Edge Mode”, XSmart begins to work along the wall.
- Press “Snapshot” to take photos and save to local photo album.
- Press “Charge” to enter Auto-recharging Mode.
- Press “Speed” to convert the speed from fast to slow.
- Press “Mute”, the phone's microphone is shut down and XSmart will not receive any sound of smart phone.



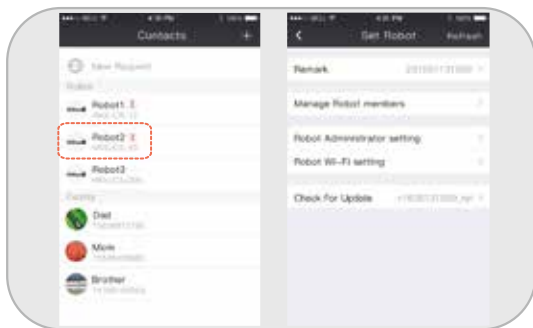
2.Add Family Members and Accessories

“Huiba” Contacts Interface:

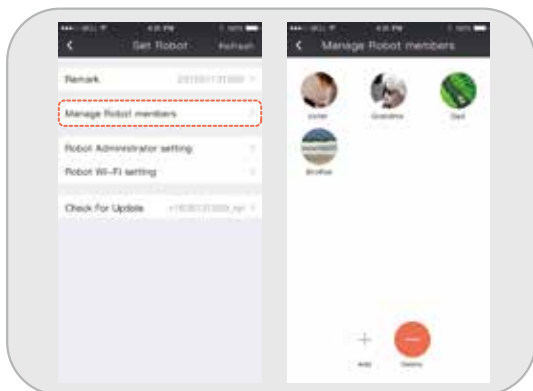
1、Click “+” icon at the top right corner, two options available: Enter Mobile Phone No. & Add From Contacts. You can select any way to add contacts to be your family members. (P.S. the contacts must have downloaded and registered “Huiba” App already).



2、Click XSmart icon and enter into “Details”, click “...” at the top right to enter “Set Robot” interface:

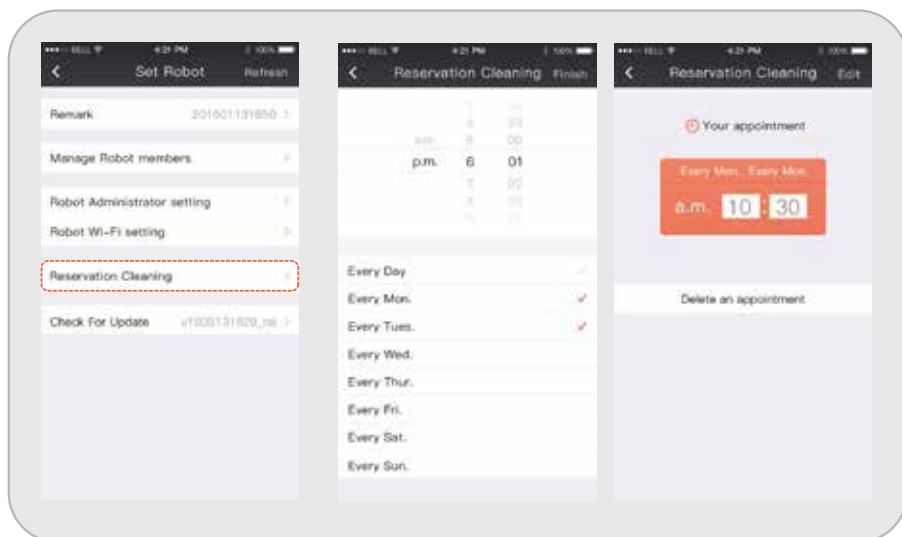


3、Click “Manage Robot members”, then click “+” to invite family members to control XSmart. The new family member will receive a request from XSmart Administrator at the top of the contacts (“New Request”), and then click “Agree”, this member will join into the family circle. The administrator also can delete the members by clicking “-”.



3.Reservation Cleaning

Click the Reservation Cleaning to make an appointment with an cleaning at a certain moment in one day.As the pictures show to select a time , after the scheduled time the cleaning robot will start work.



Warning:

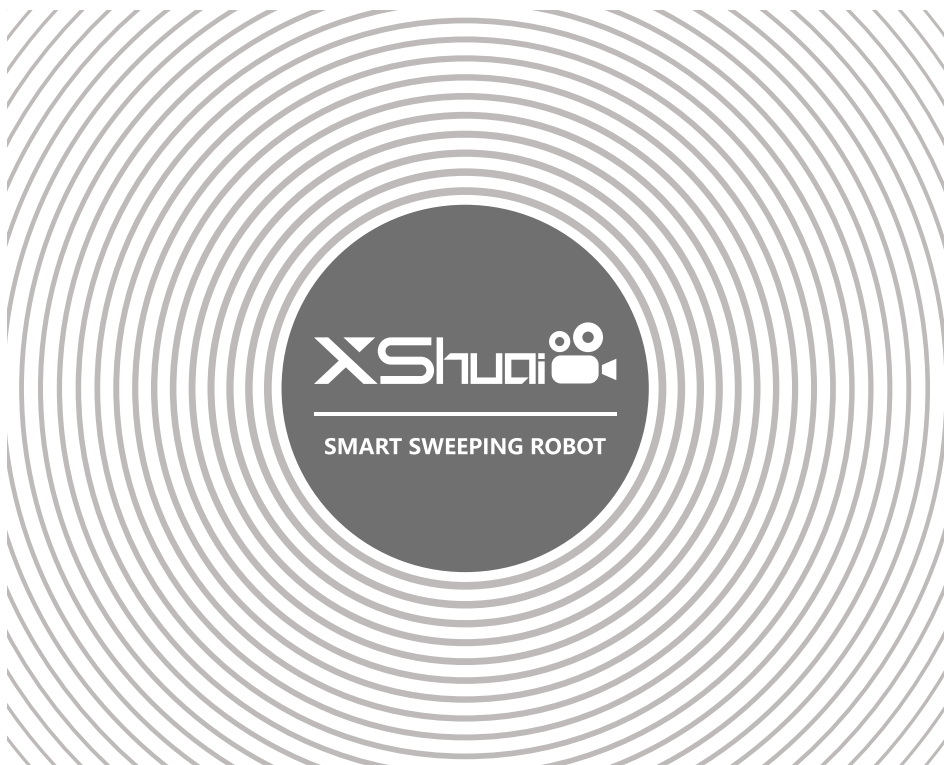
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 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.

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.



Qingdao Haier Robot CO.,LTD

Manufacturer : Qingdao Haier Robot CO.,LTD

Manufacturer address : Haier Industrial Park,Economic and
Technological Development Zone,
Qingdao ,Shandong,PRC