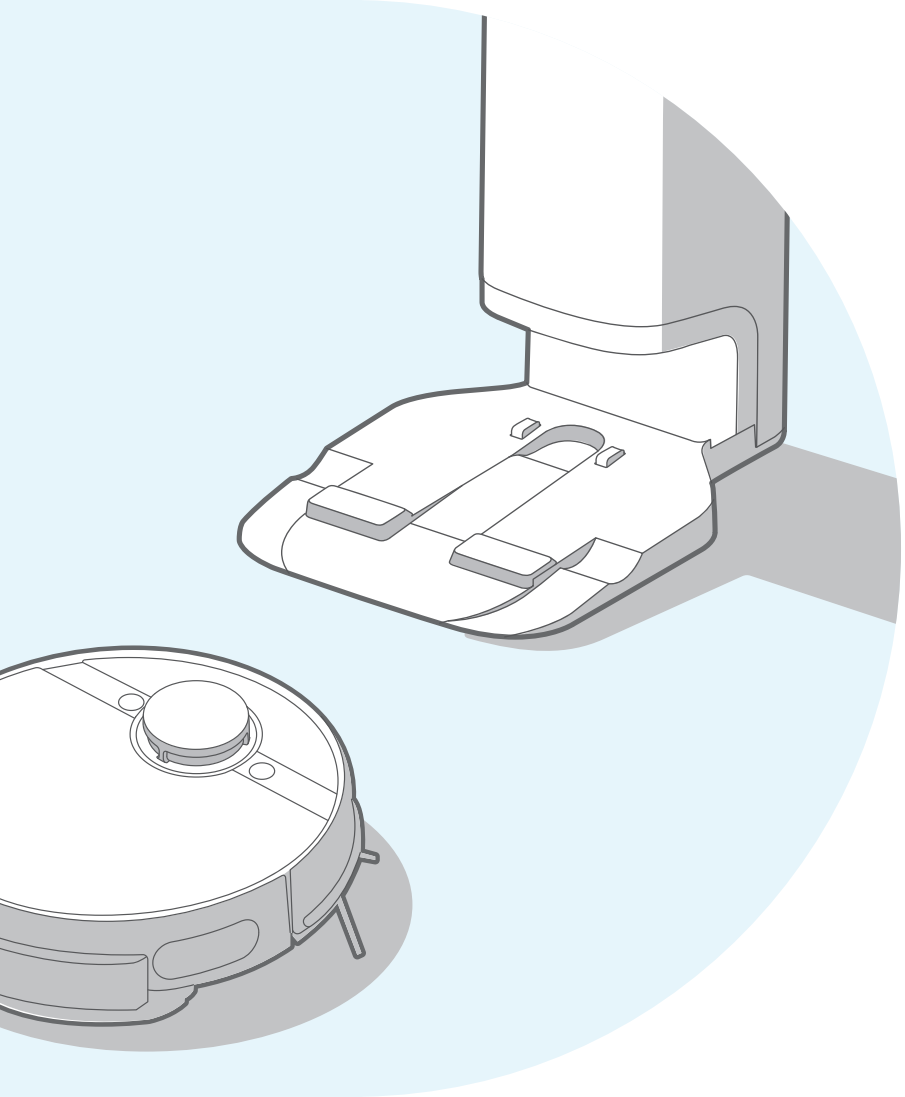

Midea

S8+

ROBOTIC VACUUM CLEANER

Please read the manual before use

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Safety Instructions

Warning for the machine

1. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
   Children shall not play with the appliance.
   Cleaning and user maintenance shall not be made by children without supervision.
2. Plug must be removed from the socket-outlet before cleaning or maintaining the appliance. Switch off before cleaning or maintaining the appliance.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. WARNING: For the purposes of recharging the battery, only use the detachable docking station provided with this appliance.
   Use only with BS2101 docking station.
5. This appliance contains batteries that are only replaceable by skilled persons.
6. Do not bring the smart robot close to heat source, radiation or burning cigarette butts. It is strictly forbidden to vacuum the following objects:
   1) All liquids such as water and solvents;
   2) Lime, cement dust and other construction dust and garbage;
   3) Heat generating objects, such as unextinguished carbon butts, cigarette butts;
   4) Sharp fragments, such as glass, etc.;
   5) Flammable and explosive items, such as gasoline and alcohol products.
7. Before using, please remove all fragile items from the ground (such as glasses, lamps, etc.), and items that may be tangled with the side brush, Roller brush and drive wheels(such as wires, curtains and other easily-entangled materials).
8. Please pay attention to your hair and avoid entanglement on wheels or roller brushes when using, cleaning and maintaining the robot.
9. Do not use this product at an altitude of more than 2000m.

10. Correct Disposal of this product.
    This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.
11. Warranty Information
    The manufacturer provides warranty in accordance with the legislation of the customer's own country of residence, with a minimum of 1 year (Germany: 2 years), starting from the date on which the appliance is sold to the end user.

The warranty only covers defects in material or workmanship.
The repairs under warranty may only be carried out by an authorized service center. When making a claim under the warranty, the original bill of purchase (with purchase date) must be submitted.The warranty will not apply in cases of:
- Normal wear and tear
- Incorrect use, e.g. overloading of the appliance, use of non-approved accessories
- Use of force, damage caused by external influences
- Damage caused by non-observance of the user manual, e.g. connection to an unsuitable mains supply or non-compliance with the installation instructions
- Partially or completely dismantled appliances

12. WIFI:2400-2483.5MHz, MAX POWRE:20dBm.
    BLUETOOTH MAX POWR:10dBm
    To satisfy RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.To ensure compliance, operations at closer than this distance is not recommended.
13. CLASS 1 LASER PRODUCT
    INVISIBLE LASER RADIATION

Warning for docking station

1. “IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS" and "DANGER – TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS".
2. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
   Children shall not play with the appliance.
   Cleaning and user maintenance shall not be made by children without supervision.
3. Plug must be removed from the socket-outlet before cleaning or maintaining the appliance. Switch off before cleaning or maintaining the appliance.
4. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
5. Docking station is only applicable to the product S8+.
6. Warning: The battery charger(Docking station) is not intended to charge non-rechargeable batteries.

Warning for battery

1. Do not dismantle, open or shred secondary cells or batteries.
   b) Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
2. Do not short-circuit a cell or a battery. Do not store cells or batteries haphazardly in a box
   or drawer where they may short-circuit each other or be short-circuited by other metal objects.
3. Do not remove a cell or battery from its original packaging until required for use.
4. Do not subject cells or batteries to mechanical shock.
5. In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
6. Do not use any charger other than that specifically provided for use with the equipment.
7. Observe the plus (+) and minus (–) marks on the cell, battery and equipment and ensure correct use.
8. Do not use any cell or battery which is not designed for use with the equipment.
9. Do not mix cells of different manufacture, capacity, size or type within a device.
10. Keep cells and batteries out of the reach of children.
11. Seek medical advice immediately if a cell or a battery has been swallowed.

	[symbol IEC 60417-5957 (2004-12)]	for indoor use only
	[symbol ISO 7000-0790 (2004-01)]	read operator's manual
	[symbol IEC 60417-5031 (2002-10)]	direct current
	time-lag miniature fuse-link where X is the symbol for the time/current characteristic as given in IEC 60127	
	[symbol IEC 60417-5032 (2002-10)]	alternating current
	[symbol IEC 60417-5172 (2003-02)]	class II equipment

12. Always purchase the correct cell or battery for the equipment.
13. Keep cells and batteries clean and dry.
14. Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
15. Secondary cells and batteries need to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
16. Do not leave a battery on prolonged charge when not in use.
17. After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
18. Secondary cells and batteries give their best performance when they are operated at normal room temperature (20 °C ± 5 °C).
19. Retain the original product literature for future reference.
20. Use only the cell or battery in the application for which it was intended.
21. When possible, remove the battery from the equipment when not in use.
22. Dispose of properly.

Technical data

1. Product Model: S8+
2. Host Charging Voltage: 16.9 V ⎓
3. Host Rated Voltage: 14.4 V ⎓
4. Host Rated Power: 55 W
5. Docking Station Model: BS2101
6. Docking Station Input: 220-240V~, 50-60Hz, 765W
7. Docking Station Output: 16.9V ⎓, 2A
8. Battery Model: BP14452F
9. Battery Rated Voltage: 14.4V ⎓
10. Battery Capacity: 5200mAh 74.88Wh
11. Charging Limit Voltage: 16.8V ⎓

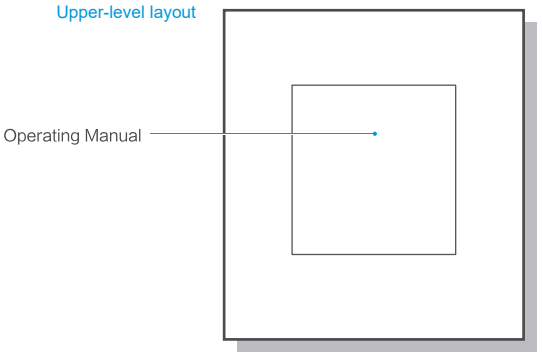
Midea Robozone Technology Co.,Ltd
Add.: No.39 Caohu Avenue,
Xiangcheng Economic Development Zone,Suzhou, Jiangsu, China
Company: KD EUROPE
Address: Stara Debszczyzna 4, 16-424, Filipow, Poland
Mail: Kdeurope.office@gmail.com

Note: you can also view the instructions on the app.

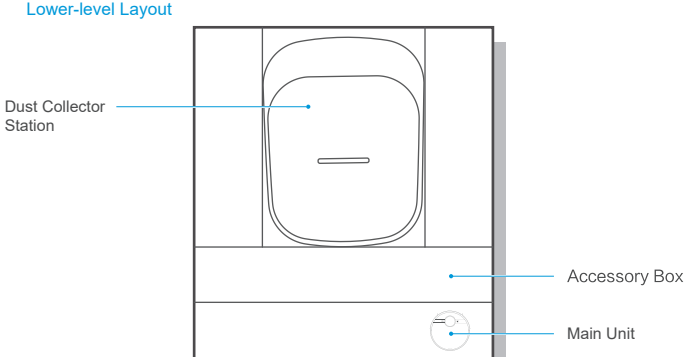
Introduction

Included accessories

Upper-level layout

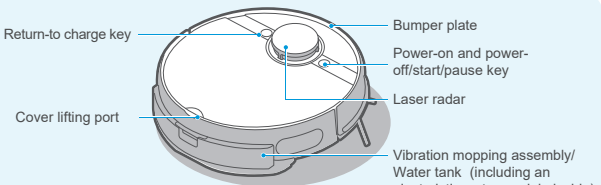


Lower-level Layout

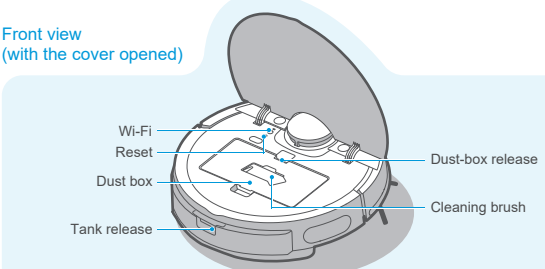


Overview of main unit

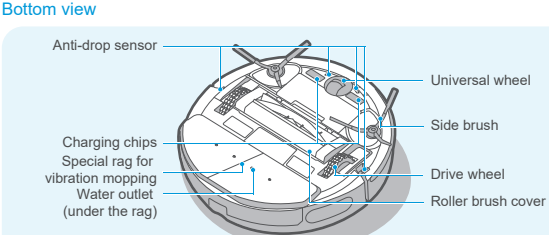
Front view (with the cover not opened)



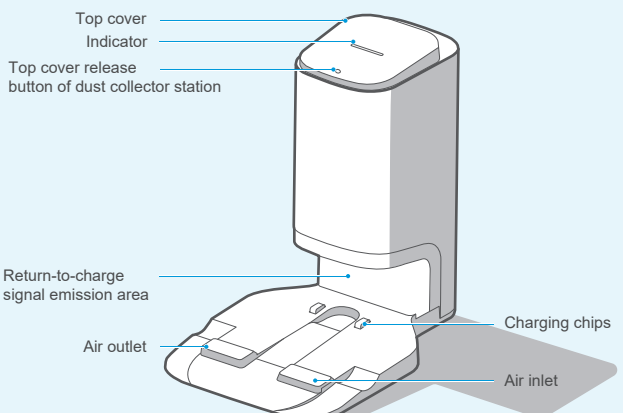
Front view (with the cover opened)

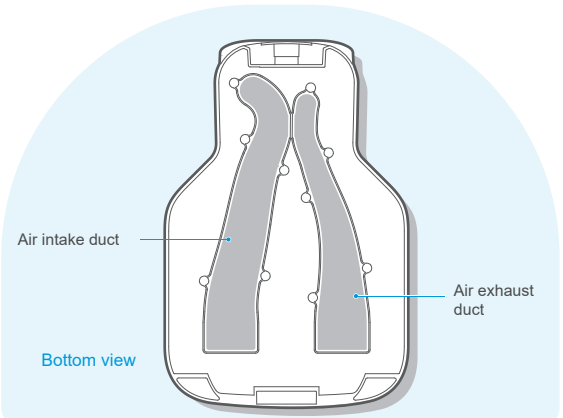


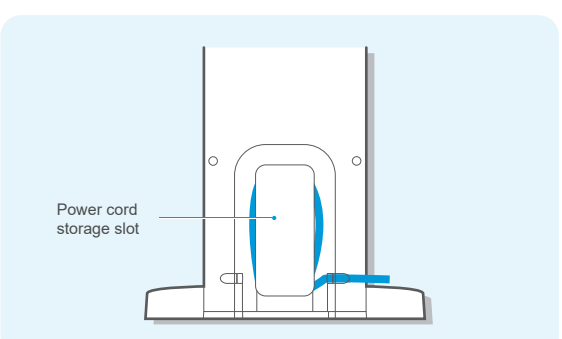
Bottom view



Parts introduction of dust collector station



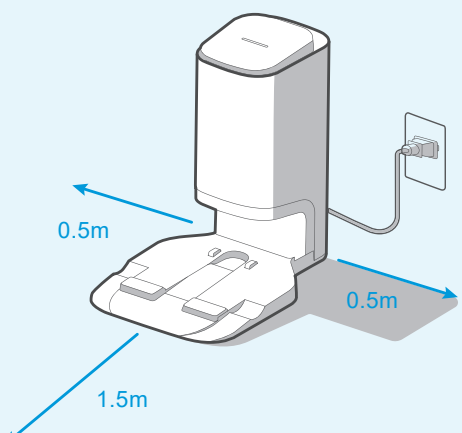




Installation

Installation of dust collector station

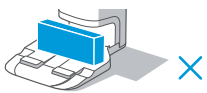
1. Place the dust collector station against the wall on a hard floor;
2. Place the dust collector station in an area with Wi-Fi coverage, ensuring stable networking of main unit and good functional experience of its App.



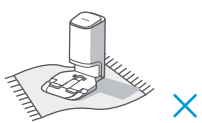
Cautions

1. Avoid direct sunlight;

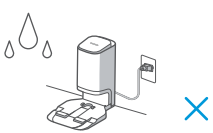
2. Do not cover the signal emission area of the dust collector station with stickers or other objects;



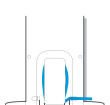
3. Prevent putting the station on carpets or soft surfaces;



4. Ensure the charging area is dry;



5. Store the power cord;

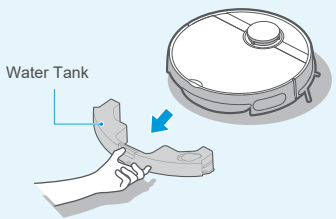


6. If there are other cleaner charging stations in your room, please store them before using the dust collector station;

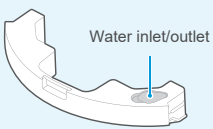
7. Keep the charging chips of the dust collector station dry and neat, and clean and wipe them regularly.

Use guide for vibration mop assembly

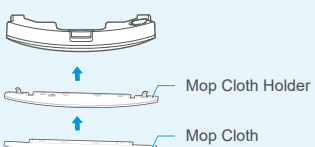
1. Press the button on tank and pull to remove.



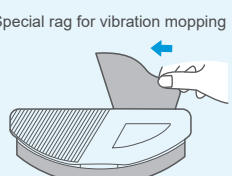
2. Remove the rubber plug, and fill the tank with water to the MAX line;



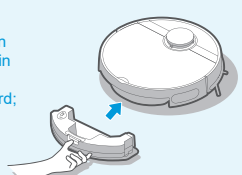
3. ① Attach mopping holder to the water tank.



② Adhere the special rag for vibration mopping to the bottom of the vibration mopping assembly by aligning it along the middle seam, and you can clean/replace it by simply peeling it off;



4. Push the vibration mopping assembly in the main unit until a "click" sound is heard;

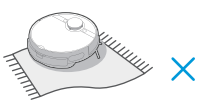


Cautions

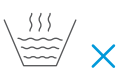
1. Fill the tank with municipal water instead of purified water;

2. Do not add washing powder, laundry detergent, cleaning agents, disinfectants, hand sanitizers, unknown oily liquids, and alkaline substances;

3. Do not use the mopping function on floor carpets;



4. Do not fill the tank with hot water to prevent its distortion at high temperature;

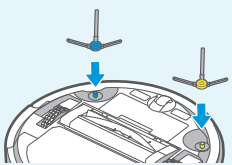


5. Keep the terminal dry and clean before pushing in the vibration mopping assembly.

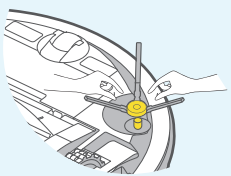
6. The mopping water volume can be adjusted in the App.

Installation of side brushes

1. By keeping the side brush color consistent with the side brush slots on the base of the main unit,push the side brush into the slot directly until a “click” sound is heard;

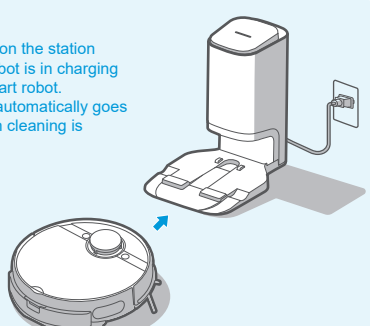


2. To remove the side brush,turn the robot’s bottom upwards,and grasp the side brush by its rubber-coating leg(take care not to pull on hair bundles of the side brush with brute force)with your two hands to pull it off.



Robot charging

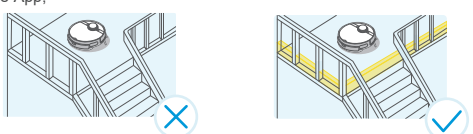
Before first use, put robot on the station closely, and make sure robot is in charging status for first use, then start robot.
For future use, robot can automatically goes to the charging base when cleaning is finished.



Instructions prior to use

1. Prior to startup, clear away sundries on the floor, and remove easily falling, fragile, valuable, and possibly hazardous items;

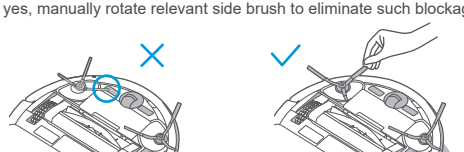
2. Use relevant objects to block the robot, or establish a virtual wall in the App;



3. If there is an area that does not need cleaning or may trap the robot, you can add a prohibited area or virtual wall at the appropriate location in the map of the App, to prevent the robot from entering specific areas.

Cautions

1. If the robot cannot be charged, check whether the charging chips on the robot's bottom are blocked by fair bundles of left and right side brushes. If yes, manually rotate relevant side brush to eliminate such blockage.



Power-on methods

1. When putting the robot in the charging station to charge, it will turn on automatically (recommended practices)
2. Long press " ⏻ " for 3 seconds, the power indicator flashes, the robot sounds a chord voice, and the power indicator is continuously on, indicating the robot is powered on successfully.

Start the cleaning

1. During the standby mode, briefly press " ⏻ " for 1 second, and the robot starts to clean the whole room;
2. If you want to mop the floor, it is required to confirm that the vibration mopping assembly is installed properly.

Pause the cleaning

1. During the cleaning, briefly press " ⏻ " for 1 second, and the robot pauses the cleaning and enters its standby status.

Return to charge

1. When the robot returns to charge after completion of the cleaning, the return-to-charge indicator is continuously red;
When the robot returns to charge due to low battery level, the return-to-charge indicator flashes.
2. ① During the standby mode, briefly press " ⌂ " for 1 second, and the robot starts to return to charge;
② During the cleaning, briefly press " ⏻ " for 1 second, and the robot pauses the cleaning; then briefly press " ⌂ " for 1 second, and the robot starts to return to charge;
3. In case of special conditions (such as depleted battery, stuck robot etc.), the main unit may not return to charge automatically. Please manually place the main unit back to its charge station to charge.

Troubleshooting

1. When the robot fails, the power indicator flashes quickly. Briefly press " ⌂ " for 1 second to eliminate the fault;

Connect Robot to Station

1.Fast Connect:When robot is under powered-off status,long press "⏻" for 3 seconds. The connection will automatically complete after robot turned on.A sound of "Di-du" means connected successfully.
2.Connect Manually:When robot is under powered-on status,long press "⏻" and "⌂" for 3 seconds at the same time.If connected successfully,a "Di-du" sound will be heard and station indicator light will flicker 3 times.

Power off

1. Long press " ⏻ " for 3 seconds, and the power indicator starts to flash;
2. The robot sounds a chord voice, and the power indicator is off, indicating the robot is powered off successfully;

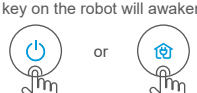
Cautions

1. When it is not possible to start the cleaning due to low battery level, please charge the robot before starting the cleaning;

2. The robot will return to charge automatically during the cleaning in case of low battery level, and then return to its interruption point to proceed after being fully charged;

3. During the charging, the power indicator flashes slowly, and becomes continuously on after completion of the charging;

4. The robot will enter its sleep mode after being standby for more than 10 minutes, and in this mode, pressing any key on the robot will awaken it;

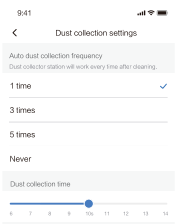


5. The robot cannot be powered off when being located in the charging station, and if you need to power it off, remove it from the station.

Dust Collection Methods

1. Setting of dust collection time and frequency：

Dust collection settings can be changed on the MSmartHome APP,
The dust collection length can be set from 6 to 14 seconds.
The dust collection frequency can be set 1 time, 3 times or 5 times after cleaning.



2. Auto Dust Collection:

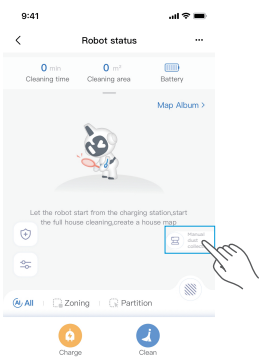
The dust collection station will start to work automatically when the robot returns to the dust collection station as it reaches the scheduled cleaning times.

3. Manual Dust Collection:

When the cleaning is finished, the robot can be returned to the dust collector station manually. Dust collection will automatically start when the robot reaches the scheduled cleaning times.

4. Manual Dust Collection through APP:

When the robot returns to the charging station,
press “Manual dust collection” to start dust collection.



Note: To extend the life of motor, dust collector station will progressively increase the motor power.
It is normal to hear the sound louder during the collection.

Status indicators of the main unit

Indications	Status	Solutions
Standby indicator is continuously on	Robot is standby, cleaning, and return-to-charge after completion of cleaning	/
Standby indicator is off	Sleep/shutdown	/
Standby indicator flashes quickly	Robot is faulty	See Troubleshooting (Page 6) for fault solutions
Standby indicator flashes slowly	Robot is charging	/
Return-to-charge indicator is continuously on	Robot is return-to-charge after completion of cleaning	/
Return-to-charge indicator flashes	Robot is return-to-charge due to low battery level	/
Return-to-charge indicator is off	Robot is standby/cleaning/charging	/
WiFi indicator is off	Robot is not network paired or disconnected from the network	/
WiFi indicator flashes slowly	Robot is waiting for network pairing	/
Wi-Fiindicator flashes quickly	Robot is networking	/
WiFi indicator is continuously on	Robot shows normal connection with the network	/
Electrolytic water indicator is on	Electrolytic water module is operating	/
Electrolytic water indicator is off	Electrolytic water module does not start	/

Status indicators of the dust collector station

Indications	Status	Solutions
Off	Dust collector station is not powered	/
	Dust collector station is standby	/
White indicator is continuously on	Dust collector station has been powered for a while	/
	Robot returns to the dust collector station, starting to collect dust automatically	/
	Dust collector station is collecting dust	/
Red indicator is continuously on	Dust bag is full	Please replace it with a new dust bag
Red indicator flashes	Dust bag is not installed in place or dust collector station is not tightly covered with its top cover	Install the dust bag and close the top cover tightly

MSmartHome APP

Notes

If your home Wi-Fi name or password is changed, you will need to reestablish connection with your robot vacuum.

1. App supports iOS 9.0 and above, Android 6.0 and above phone system versions, but Pad device is not accepted; Generally the phone system version may be checked by clicking “Settings-About Mobile Phone” in the mobile phone;

2. This model does not support WEP encrypted router;

3. The network accessing configuration of the cleaner requires Wi-Fi network of 2.4GHz frequency range,5GHz frequency range is not currently compatible;

4. Do not configure network accessing under the charging state;

5. WiFi is mandatory for network accessing configuration of the cleaner; once the network accessing is configured successfully, App may be operated in WiFi/2G/3G/4G network environment and the cleaner may be controlled remotely;

6. If your home Wi-Fi password is changed or the router is replaced, the cleaner will be displayed offline on app, Without any changes of App account number, you just needs to configure network accessing for the cleaner once again;

7. If others want to use App to operate same cleaner, they need be invited on App by the family creator to join in (on the condition that the invitee has downloaded App and registered an account);

8. When App changes, the old users may be invited to remove device on mobile App and the new users just need to configure directly network accessing in accordance with network accessing instructions (if the old users don’t remove the device on mobile App,it will be removed automatically after the new users configure successfully network accessing);

9. Once the cleaner is configured successfully network accessing, the following operations will result in clearance of Wi-Fi settings and secondary network accessing configuration is required; Long press the network accessing configuration key on the device over 3 seconds and after a tick sound is heard, all Wi-Fi information will be cleared;

Using APP

1. Ensure mobile phone is connected to your home Wi-Fi.

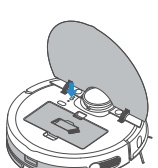
2. Download the MSmartHome app and register your vacuum:

   a. Scan the QR code or search for the MSmartHome app in the Apple or Google Play store.Download the app.

   b. Open the app and create your personal account. Follow instructions on the screen.

3. Add your robot vacuum to your app
   Press the " + " button on the main screen of the app and select S8+ from the available list of products.

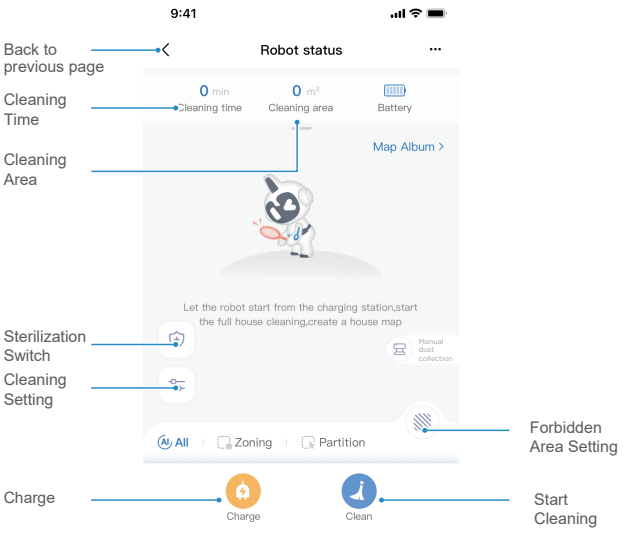
4. Connect your robot to your Wi-Fi.
   After assembling and powering on the robot , press and hold down the " " button for 3 seconds until a beep is heard. The Wi-Fi indicator light should start to flicker.Follow instructions on app for next steps.



MSmartHome APP Quick Guide

Notes

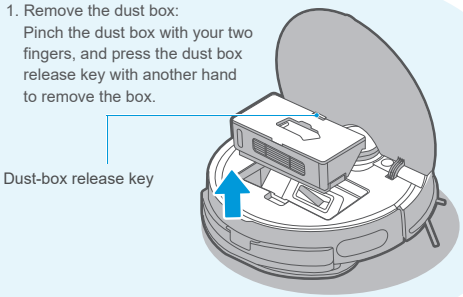
If the Wi-Fi in your home is unstable , it may cause a certain delay in the related operations of the MSmartHome App (The content of the MSmartHome App is subject to the upgraded version of App. Please refer to the MSmartHome interface for details).



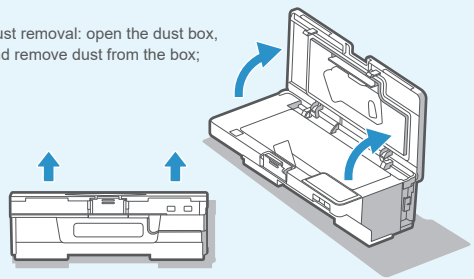
Note: This interface will be upgraded later,this interface is for reference only.

Maintenance of dust box (cleanup as required)

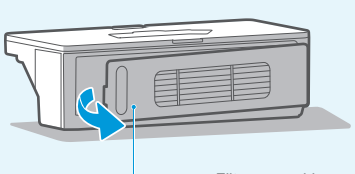
1. Remove the dust box:
Pinch the dust box with your two fingers, and press the dust box release key with another hand to remove the box.



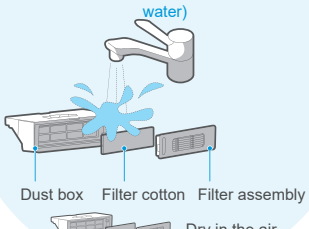
2. Dust removal: open the dust box, and remove dust from the box;



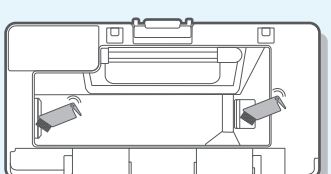
3. Remove the filter assembly according to text prompts on the filter assembly;



4. Clean the dust box, filter assembly, and filter cotton; after cleaning and drying completely, re-install them, and close the rear cover, check whether it is installed in place;
(Both of the dust box and the filter assembly can be washed with water)

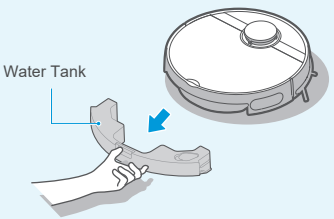


5. Clean dust from the dust collection port of the dust box.

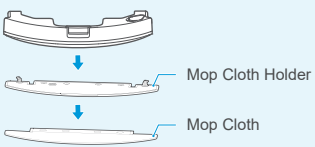


Maintenance of vibration mopping assembly (weekly cleaning recommended)

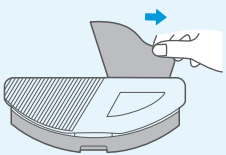
1. Press the button on tank and pull to remove.



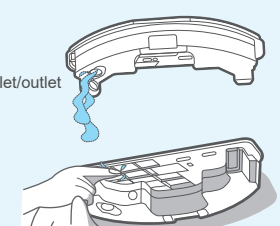
2. ① Once finished mopping,presee the water tank release button the water tank.Detach the mop holder by pulling them apart.



② For vibration tank, please note that the pad cannot be removed, just remove mop cloth, and wash it for next use.

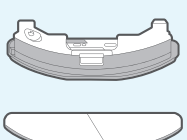


3. Pull off the water inlet/outlet plug from the tank to drain all water in the tank; wipe the tank surface with a piece of clean rag, not cleaning the vibration tank with water;

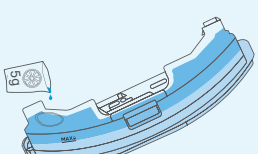


4. Clean the rag;

5. Dry the vibration mopping assembly and the special rag for vibration mopping;

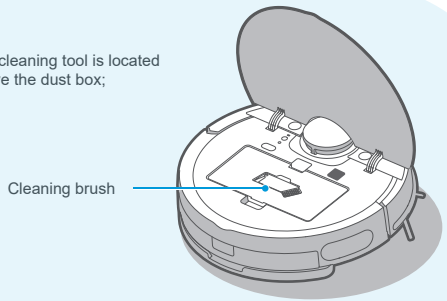


6. Clean up water scales regularly according to operating instructions. Fill the tank with water to the MAX line, add 5g citric acid to soak for 30 minutes, then pour out the water and clean again with new water. Repeat the above cleaning procedures for heavy scales. During the cleaning, do not energize the tank.

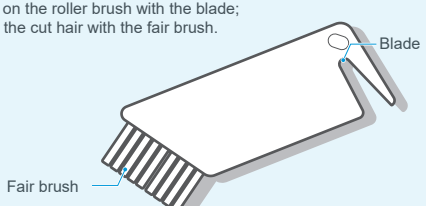


Cleaning tool

1. The cleaning tool is located above the dust box;

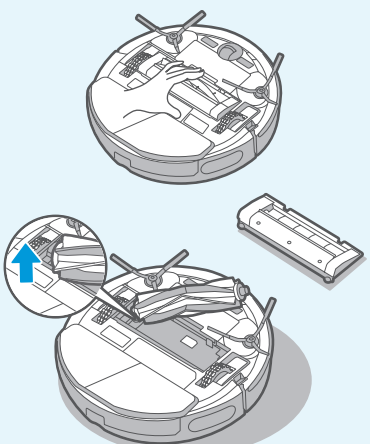


2. Use method of cleaning brush:
① Cut the hair on the roller brush with the blade;
② Brush away the cut hair with the fair brush.

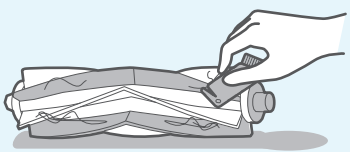


Maintenance of roller brush (weekly cleaning recommended)

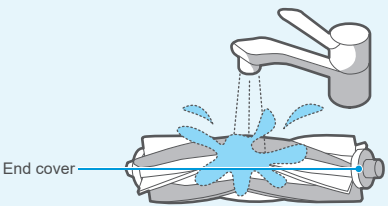
1. Turn the main unit upside down, keep your hand at the upper notch of the roller brush cover, then press down to remove the cover and pull it out, and lift the right side of the roller brush to remove it;



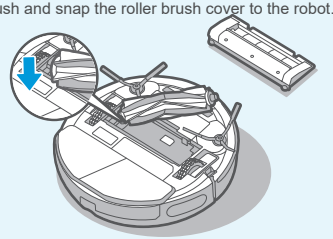
2. Clean the roller brush and its cover with a cleaning brush or soft cloth;



3. Wash the roller brush with water and dry it;

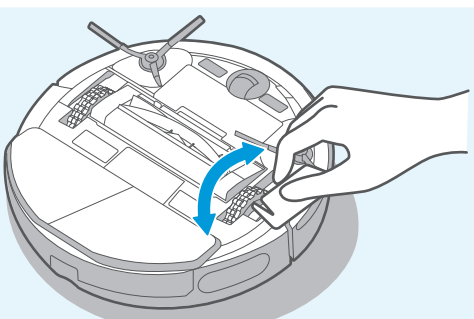


4. After completion of the cleaning, push the end cover back to the brush body;
5. Install the brush body in the brush chamber in the direction as illustrated;
6. Push and snap the roller brush cover to the robot.



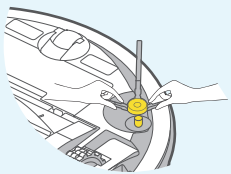
Cleaning of wheels (weekly cleaning recommended)

1. Turn the drive wheels forward and backwards to remove foreign matters from them. Clean them with the cleaning tool or soft cloth and remove hair or foreign matters.

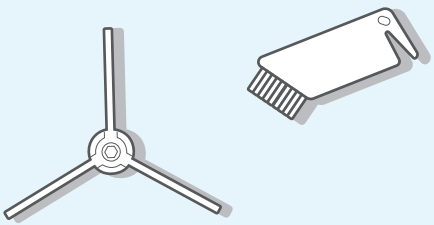


Cleaning of side brushes (weekly cleaning recommended)

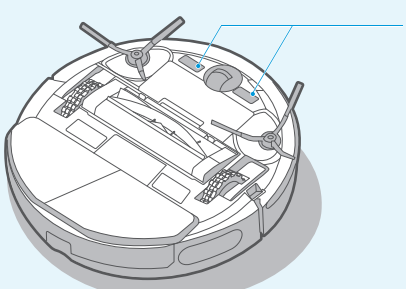
1. Remove side brushes;



2. Dispose of dust adhered to the side brushes.

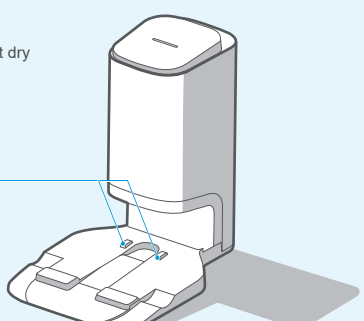


Cleaning of sensor and spring chips (weekly cleaning recommended)



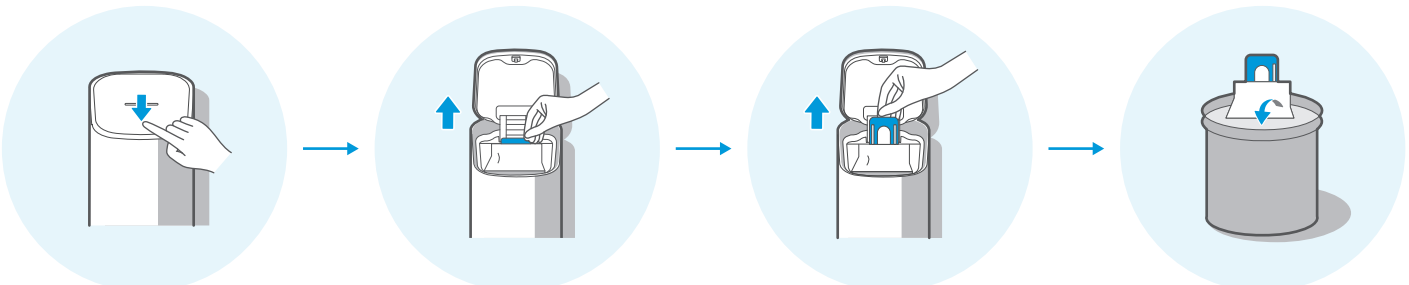
Slightly wipe the sensor with a soft dry cloth to remove its surface dust.

Slightly wipe the charging chips with a soft dry cloth to ensure normal charging.

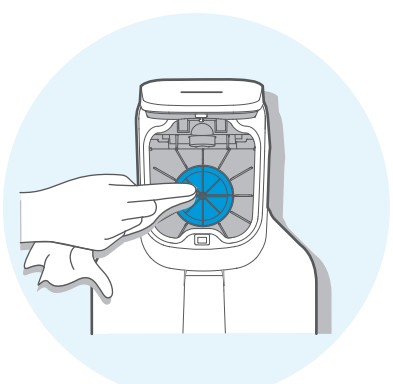


Replacement of dust bag for the dust collector station (monthly replacement recommended)

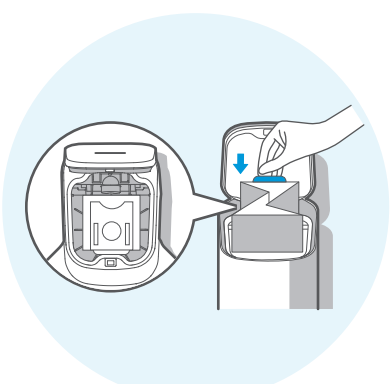
Dust bag removal



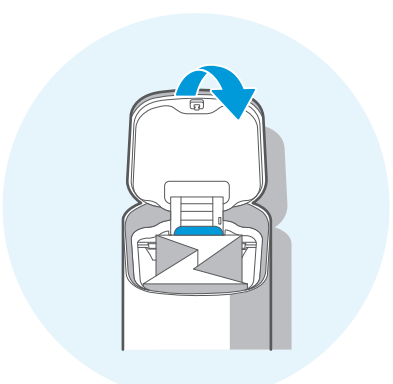
Filter screen wiping



Dust bag installation

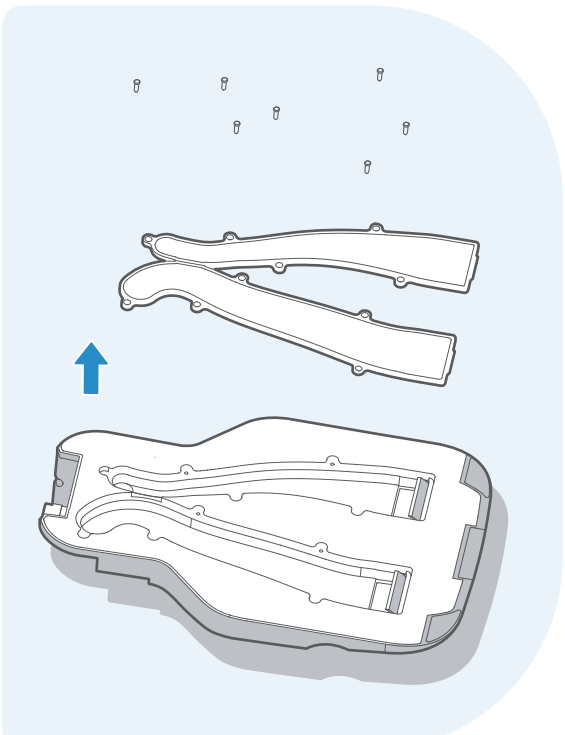


Close the top cover of the dust collector station

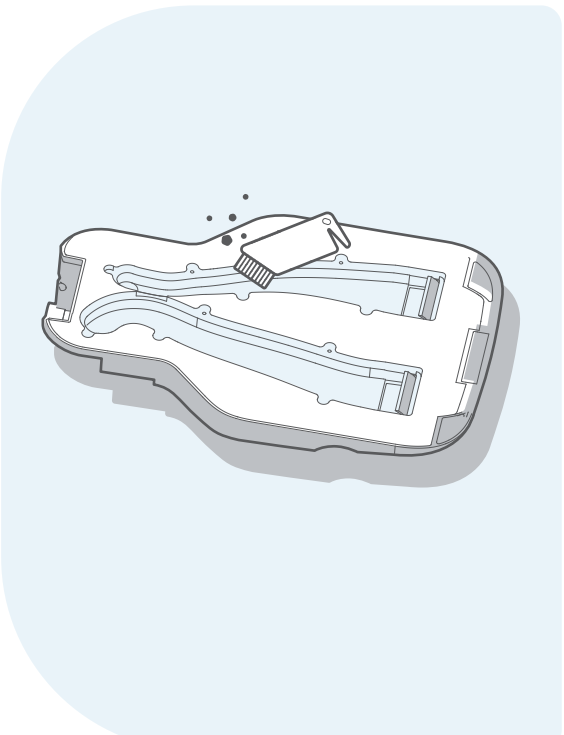


Maintenance of base for the dust collector station (cleaning as required)

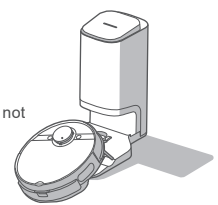
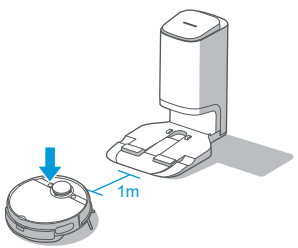
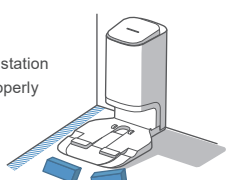
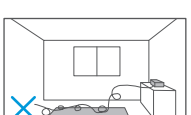
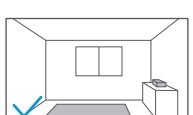
Screw off the screws for the air duct cover to remove the cover

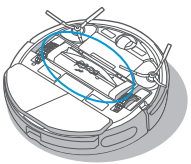
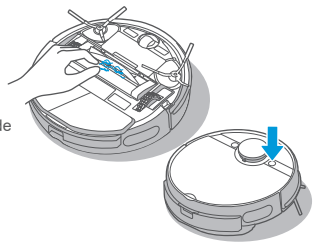
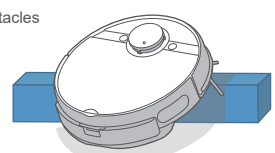
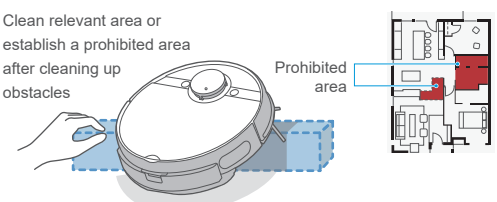
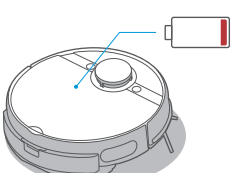
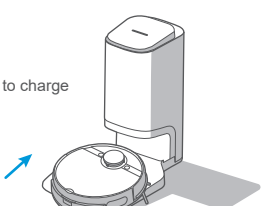


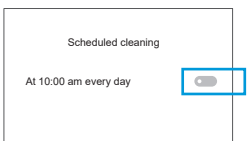
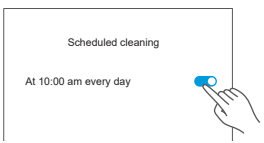
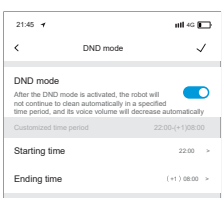
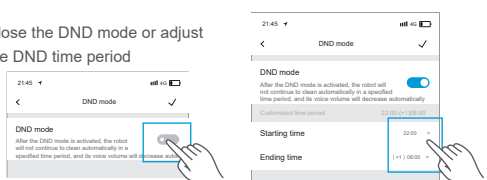
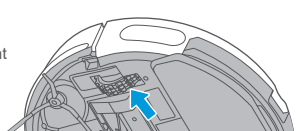
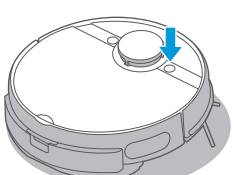
Clean air ducts



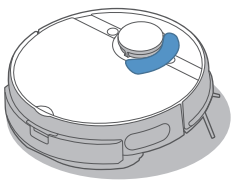
Faults solution for main unit and its App

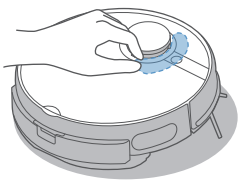
Fault description	Possible causes	Solutions
Main unit will not charge	The main unit does not get contact with charging chips 	Place the main 1m in front of the dust collector station, and press the return-to-charge key 
Main unit will not return to charge	The dust collector station is positioned improperly 	See Page 8 in the manual
Main unit stuck-1	The main unit is entangled and stuck by sundries on the floor, such as wires 	Clean up the scattered wires and other sundries on the floor 

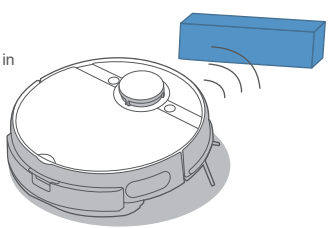
Fault description	Possible causes	Solutions
Main unit stuck-2	Side brushes and the roller brush are stuck, and the robot cannot travel normally 	Clean up sundries by which the roller brush/side brushes are stuck, and place the main unit on a flat floor to start it 
Main unit stuck-3	The chassis of the main unit is stuck by obstacles 	Clean relevant area or establish a prohibited area after cleaning up obstacles 
Main unit does not complete the cleaning but returns to charge	The main unit senses its lower battery level 	Return the main unit to charge 

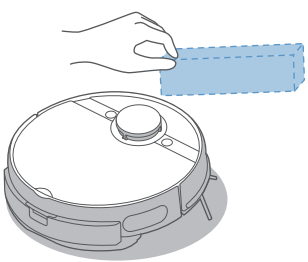
Fault description	Possible causes	Solutions
Cleaning not as scheduled-1	Scheduled cleanings have been cancelled	 Reschedule 
Cleaning not as scheduled-2	The main unit is in DND (Do Not Disturb) mode	 Close the DND mode or adjust the DND time period 
Main unit does not operate	The left or right wheel is suspended	 Place the main unit on a flat floor to start it 

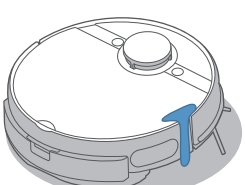
Fault description	Possible causes	Solutions
Main unit back off-1	The navigation module protection cover is stuck	Tap the protection cover to remove foreign matters
Main unit back off-2	There are obstacles in front of the robot	Clean away the front obstacles
Main unit back off-3	The bumper plate is stuck	Tap the bumper plate to remove foreign matters

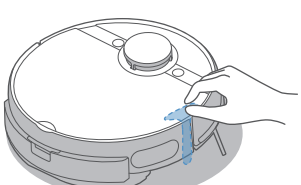


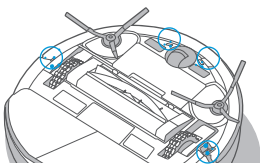
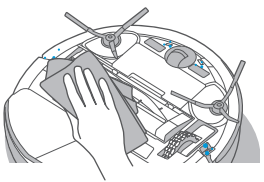
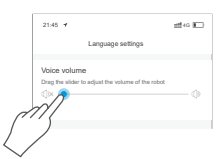
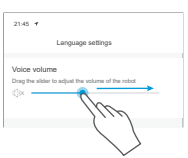
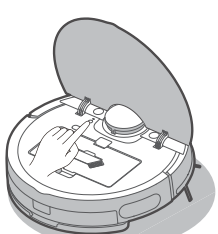


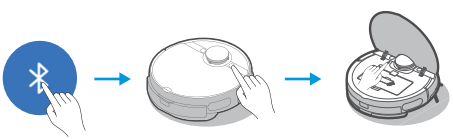


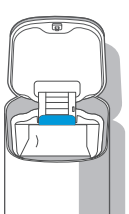


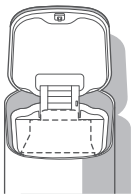
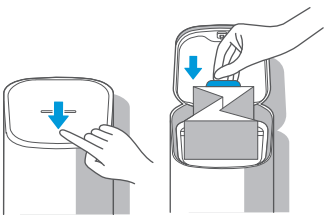
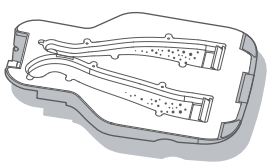
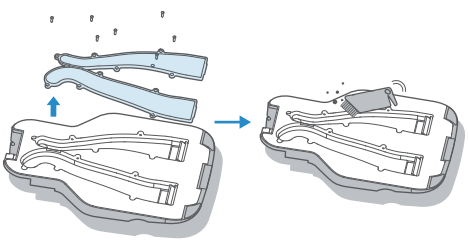
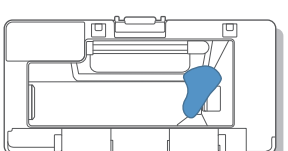
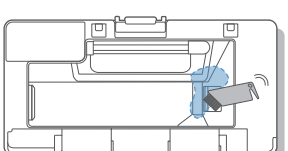




Fault description	Possible causes	Solutions
Main unit back off-4	The anti-drop sensor is covered by dust 	Clean away dust from the lens surface of the anti-drop sensor 
Main unit gives no voices	Voice is set as mute or low volume 	Turn up the volume 
The robot reminds that the password is not correct.	The password of your home Wi-Fi is not correct and it causes the robot fails to connect to the internet	Long press the Wi-Fi button until a "beep" sound is heard, then input the password to connect to the internet. 

Fault description	Possible causes	Solutions
It costs too much time in the first step of Wi-Fi connection, and it directly shows failing to connect	Fail to connect the Bluetooth	• Reset the Bluetooth. • Restart the robot. • Long press the Wi-Fi button to restart the net connection 
It costs too much time in the second step of Wi-Fi connection, and it directly shows failing to connect	• Check whether network is not properly connected. • The robot is too far from the router and it receives weak signal. • The devices accessed to the router are over limitation. • Wi-Fi passwords contains special characters, such as spaces or punctuations.	• Reconnect the robot to the Wi-Fi. • Put robot closer to the router while connecting. • Use the hotspot of your phone to connect the robot. If it works, please reduce the number of the users accessed to the router or increase the number of router and try again. • Reset your Wi-Fi password avoiding to use the special characters.
It costs too much time in the third step of Wi-Fi connection, and it shows failing to connect.	• Fail to bind the account. • Network signal is unstable.	• Re-login the MSmartHome APP. • When the network signal is good, long press the Wi-Fi button to restart the connection.

Fault description	Possible causes	Solutions
APP shows lost connections	• Your mobile is not connected to the network properly • Your router does not operate normally • Your robotic cleaner is not power-on • Wi-Fi configuration of the robot is cleared • The Wi-Fi password is modified or the network is changed	• Reconnect the mobile to your network • Restart your router • Turn on the power switch of the robotic cleaner • Add a new appliance to the APP • After the robot is started, long press the network-pairing key for 3 seconds until a "beep" sound is heard • Re-add the robot according to operating guidelines on your mobile
APP operations get delayed responses	• The network is busy • Your mobile receives poor Wi-Fi signals • The network bandwidth is not enough	• Restart the router, and reduce the number of users having access to it • Check the settings of your mobile • Increase the network bandwidth
Main unit does not collect dust automatically after it returns to the dust collector station-1	Dust bag is full 	Replace it with a new dust bag, see more details on Page 20

Fault description	Possible causes	Solutions
Main unit does not collect dust automatically after it returns to the dust collector station-2	• The top cover of the dust collector station is not closed • The dust bag is not inserted to the end 	• Close the top cover tightly • Insert the dust bag to the end 
After completion of dust collection, waste in the dust box is not collected in the dust collector station	Air ducts of the dust collector station are plugged by foreign matters 	Clean the air ducts of the dust collector station 
Waste leaks from the main unit during its operations	The dust collection port of the dust box is stuck by foreign matters 	Clean away foreign matters from the dust collection port 

1. See error reminding of the APP for more fault solutions