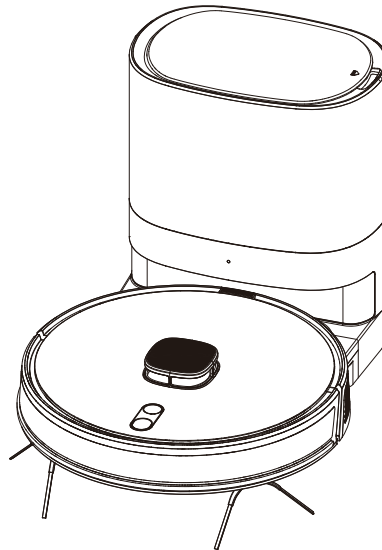


# Operating Instruction of Intelligent Robot Vacuum V8 (LDS)



Please read this instruction carefully before use and keep it properly

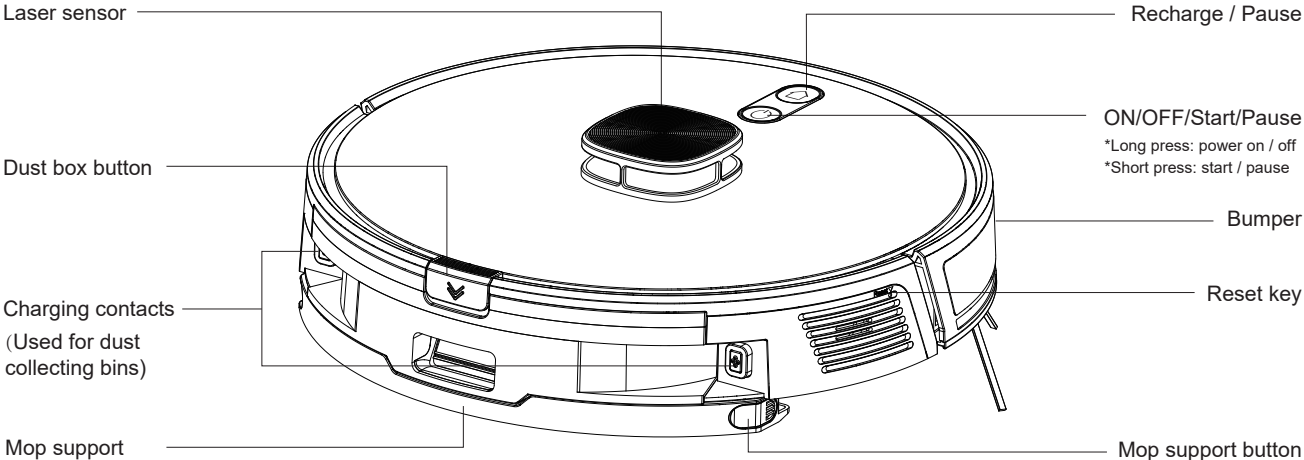
# Contents

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# Introduction

## Main machine



Indicator light (the key is the indicator light area)

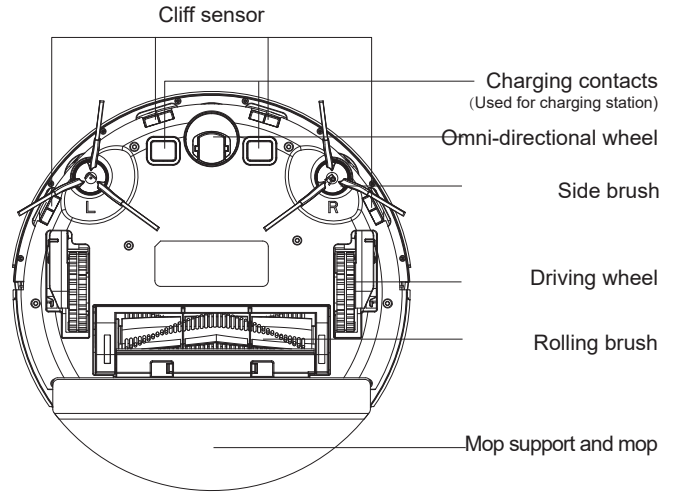
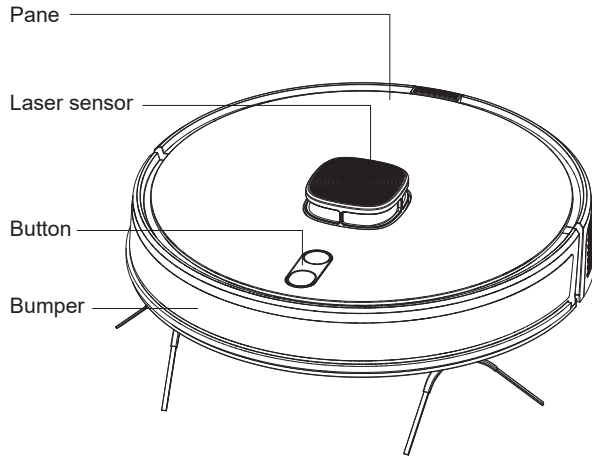
\*The blue light is always bright after electricity is full.

\*Blue light breathing during charging

\*Abnormal state or low power red light is always bright.

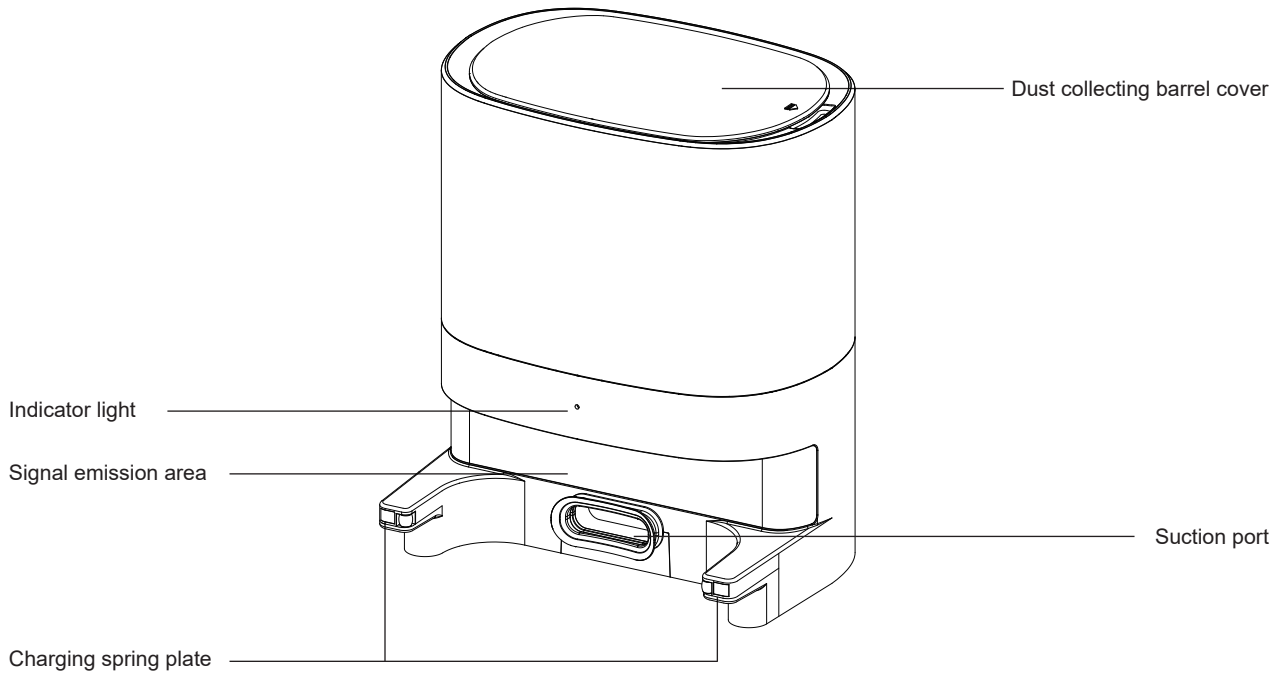
# Introduction

## Sensor and structure



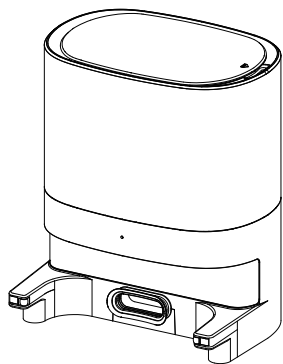
# Introduction

## Integrated charging dust collecting bank

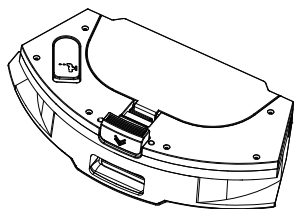


# Introduction

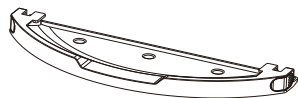
## Accessories List



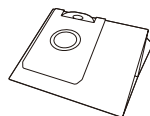
Integrated charger and dust collector X 1



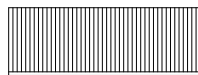
Integrated water tank and mop holder X 1



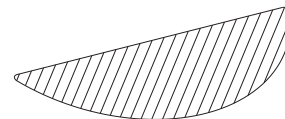
Mop module X 1



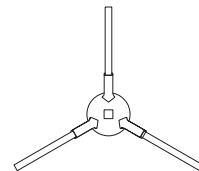
Dust bag X 2



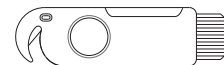
HEPA filter screen X 2



Mop X 2



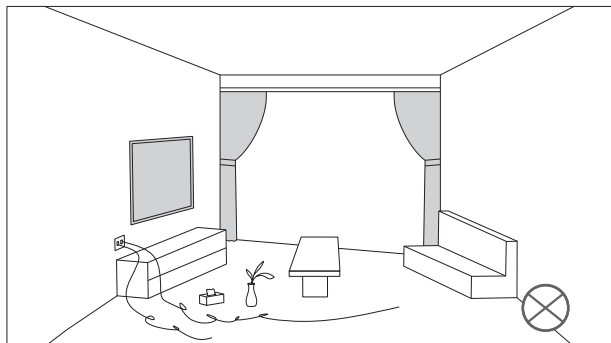
Left-side brush X 2  
Right-side brush X 2



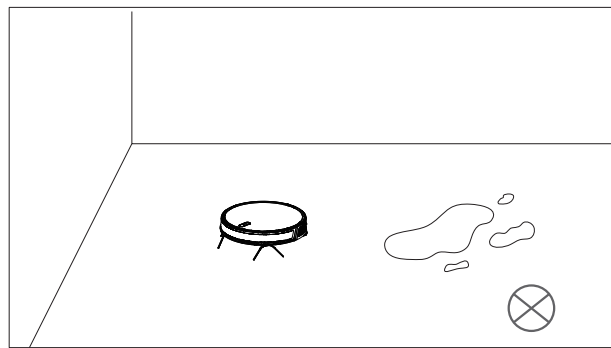
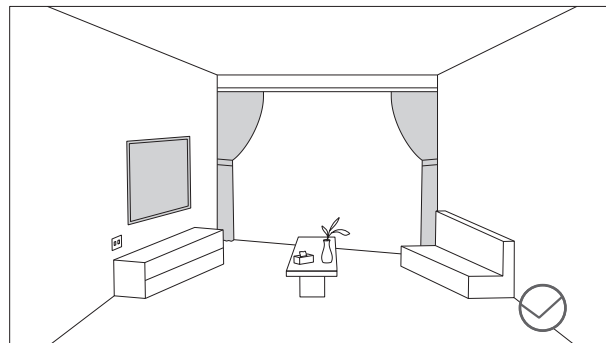
Cleaning brush X 1

# Installation

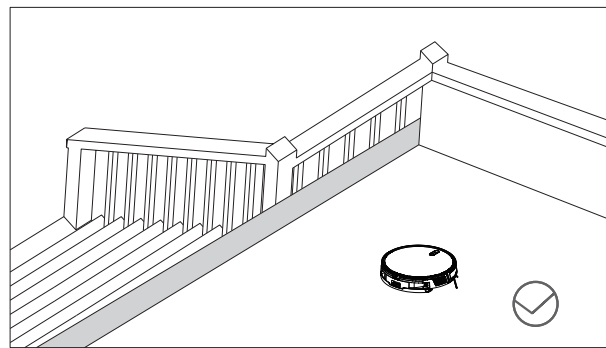
## Precautions



Please tidy up the wires, debris, and fragile, ticklish, valuable, and potentially dangerous articles scattered on the floor before activating the equipment. Avoid personal injury or property loss caused by entanglement, jamming, drag, or collision of the equipment.



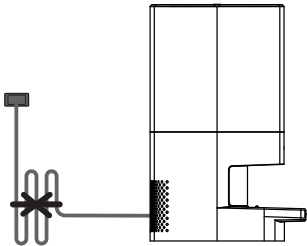
Don't use the robot vacuum to clean liquid.



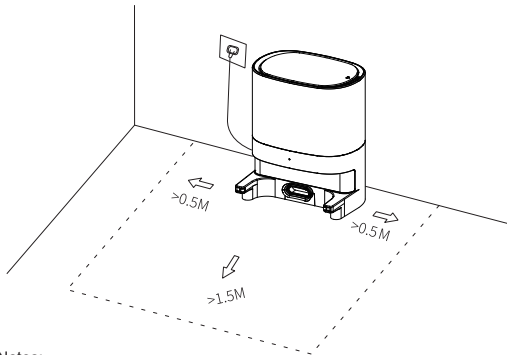
If the product is used in a suspended environment, please equip barriers to prevent accidental dropping of the equipment or articles and causing personal or property damage.

# Installation

- 1、 Connect the power cord and arrange excess wires.



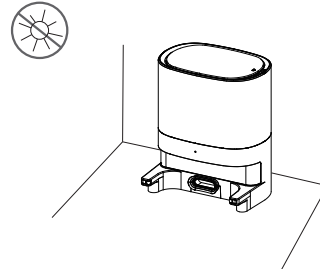
- 2、 Place the charging base against the flat ground wall and connect it to the power supply.



**Notes:**

- Ensure that there is a space of more than 0.5 meters on both sides of the charging base and more than 1.5 meters in front of it.
- If the power cord is perpendicular to the ground, it may be dragged by the main machine, causing the power failure of charging base.
- The charging indicator light is always on when the device is powered on.

- 3、 Do not shake the charging base at will and avoid direct sunlight to the charging base.

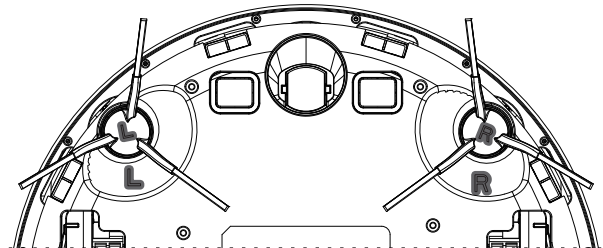


**Notes:**

- Sun exposure may interfere with the recharge signal and may cause the main machine to not return to the charging base.


- 4、 Installation of side brush

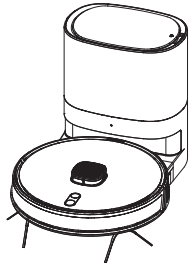
Match left-side brush (L) and right-side brush (R) with the letters L and R on the bottom case, respectively and press down. When you hear click, it suggests the installation is in place.



# Installation

## 5、 Power on and charge

Long press  button to power on, put the main machine on the charging base to charge after the indicator light is always on. When the voice prompts "start charging", it is successfully charged. For the first use, it is recommended to start from the base station after it is fully charged.

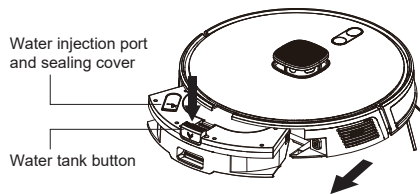


### Notes:

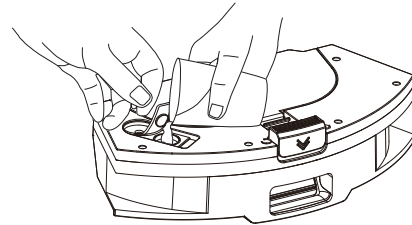
If the power is insufficient and the equipment cannot be started, please place the main machine on the charging base, and the equipment will be automatically started.

## 6、 Before using the mopping function, please add an appropriate amount of water to the water tank.

① Press the water tank button to pull out the water tank (dust box) from the host.

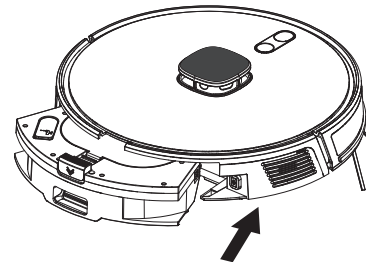


② Open the sealing cover of the water tank, add an appropriate amount of clean water, and close the cover tightly. Please do not add detergent, washing powder, etc.



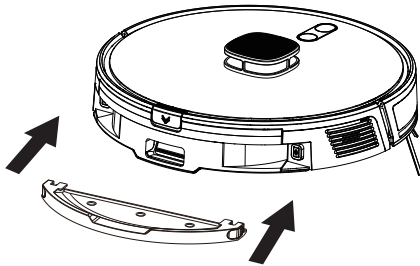
Do not wash and soak the water tank with water.

③ After completing the above two steps, install the water tank back into the equipment in the direction indicated.



# Installation

7. Before using the mopping function, take out the mop support from the package and install it on the equipment according to the direction indicated. (a mop has been installed on the new mop support. Please refer to the maintenance section of the manual for replacement and maintenance of the mop.)





- ① For sake of safety, please be sure to remove the mopping support when charging or not in use.
- ② Do not use the mopping function on the carpet.
- ③ In order to obtain the desired mopping effect, it is recommended to clean first and then install the mopping module for use.



# Instructions


## Switch ON/Off

Long press  button for 3 seconds. When the indicator light is on, the equipment is successfully switched on.

When the machine is on standby, long press  button for 3 seconds, and the indicator light will go out and the machine will be switched off.

Note: The machine cannot be switched off when the main machine is being charged.

## Sweep/pause


After the machine is successfully switched ON, short press the  button on the main machine, or use mobile phone APP to start the sweeping or pause.

Note:

- The robot vacuum cannot be used to sweep liquid.
- If the battery level is lower than 20%, the sweeping task cannot be performed. Please charge first and then continue the sweeping
- The equipment will automatically return to the charging base for charging when the battery level is lower than 20% during sweeping
- When charging power is more than 20%, it will be able to start work.
- Please arrange all kinds of wires (including the power cord of charging base) on the ground before cleaning, so as to avoid power failure, damaging articles or wires caused by dragging during machine cleaning

## Charging

Automatic mode: After the completion of cleaning, the main machine will automatically return to the charging base

Manual mode: in the pause state, short press the  button to start the charging or use mobile phone APP to start the charging.

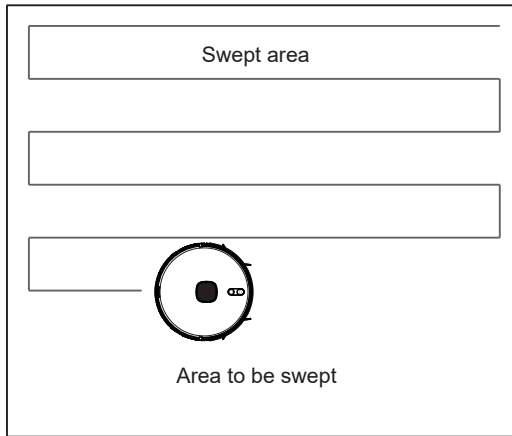
Note:

If the main machine does not find the charging base and will automatically return to the origin position, so please manually place the main machine back on the charging base to charge.

# Instructions

## Automatic sweeping

After startup, the machine will plan the sweeping path in the bow shape, sweep the whole house in an orderly and efficient manner, and automatically return the charging base for charging after sweeping(This mode is the default sweeping mode)



## Appointed sweeping

The appointed sweeping time can be set by the mobile phone APP, and the main machine will automatically start sweeping at the specified time and return to the charging base for charging after the sweeping is completed.

Notes:



- When the power value is  $> 30\%$ , the scheduled cleaning cannot be started.
- If the do not disturb time period is set in the app, the scheduled cleaning cannot be started in the do not disturb time period.

## Breakpoint continuation

In the mobile application, click more settings and turn on the breakpoint continuous scanning function to use.

# Instructions

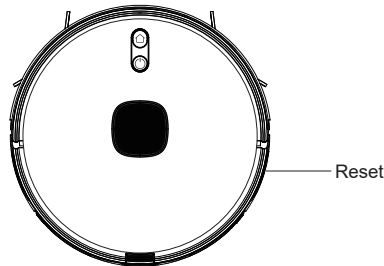
## WiFi Connection

Press and hold  button and  button synchronously for 3 seconds, hear the voice prompt "Robot is connecting the network", and the WiFi indicator light turns into quick flash, indicating that it enters the network connection mode (after the connection is completed, it will prompt that the network connection is successful, and the indicator light will be always on.)

When setting for the first time, the device is connected by default in the "EZ Mode" . At this time, select "EZ Mode" to cooperate with the connection in the mobile application.

When setting again, the device will be connected in "AP Mode" , and "AP Mode" should be selected for connection in the mobile application.

After that, when networking again, "AP mode" and "EZ mode" are switched circularly, and it will start with "EZ mode" after restart.



Tips: Only 2.4GHz WiFi network is supported.

## Silent mode

When the silent mode is started, the main machine will not play voice, and the silent mode can be opened or closed by using the mobile phone APP.

## Suction adjustment

Enhancement, normal and quiet modes can be selected by using the mobile phone APP (the default is normal mode).

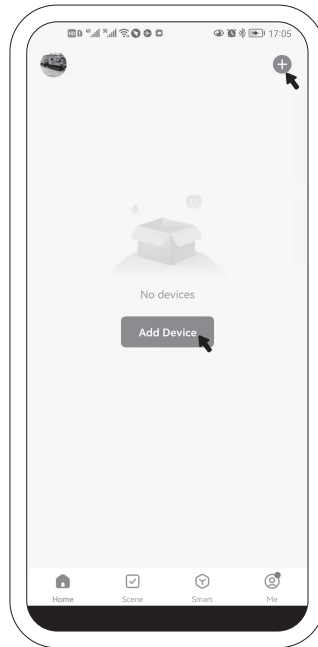
## Water volume adjustment

High-level, middle-level and low-level modes can be selected by using the mobile phone APP (the default is middle-level mode).

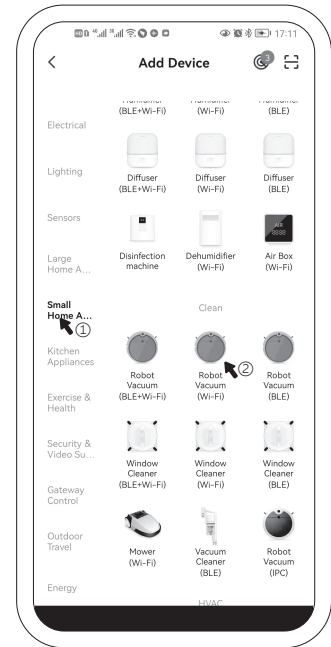
# APP connection



1. Search the "Tuya" app in the APP store or scan code to download and install it.

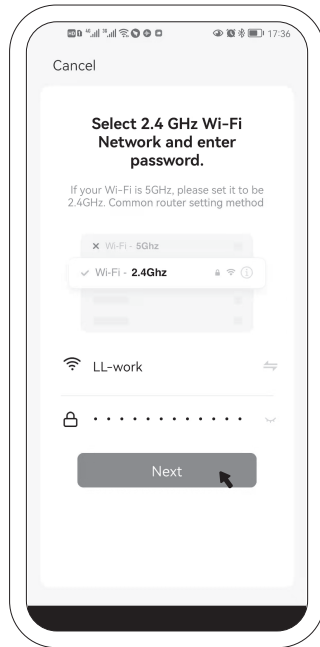


2. After registration and login, click the "+" sign in the upper right corner, or click the "Add Device" .

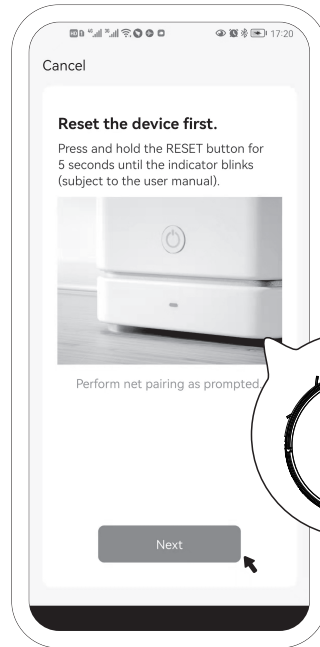


3. Select "Small Household A..." - "Robot Vacuum(Wi\_Fi)"

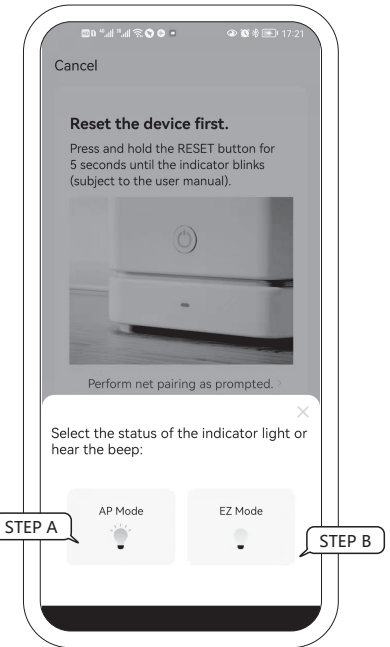
# APP connection



4. Enter the WiFi password to log in. Click the "next".

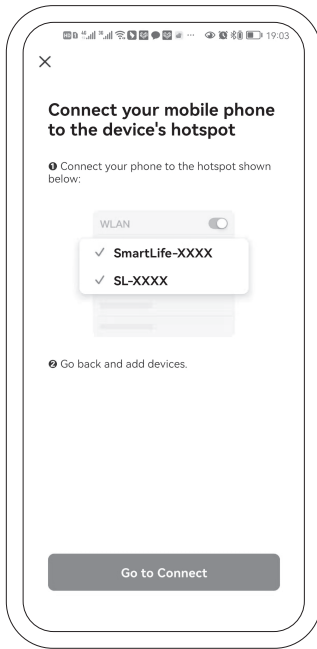


5. Press and hold the "⏻" key and "🏠" key at the same time for at least 3 seconds, then hear the voice : "connect to their easy mode", and the WiFi indicator turns to flash, Then click the "next".

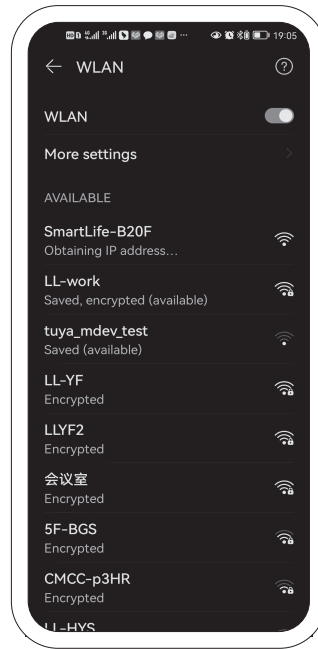


6. There are two connection modes, "AP Mode" and "EZ Mode" . (step 6a): Please select " AP Mode" . (step 6b): Please select " EZ Mode" . (- step 7b Please jump to page 16.)

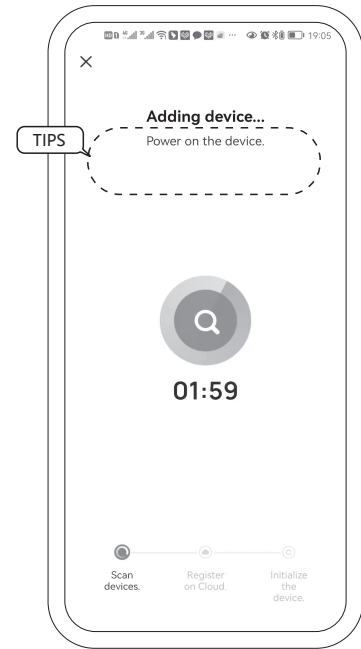
# APP connection



7a. Click "Go to Connect" to enter the WiFi selection interface.

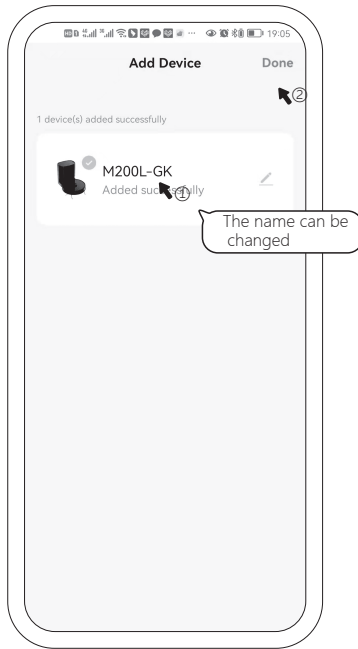


8a. Please select the WiFi signal sent by the equipment. Named after "SmartLife-XXXX". Then return to the application connection.

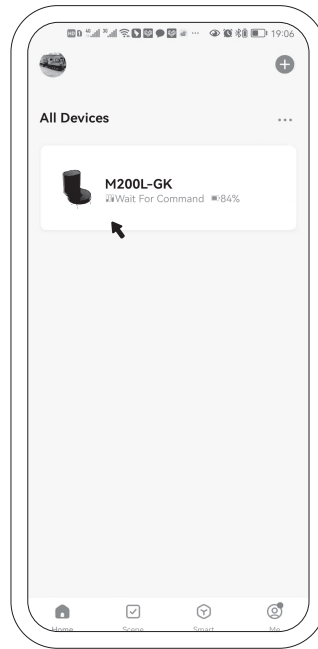


9a. When the device is connected to the Internet, please pay attention to the tips in the interface.

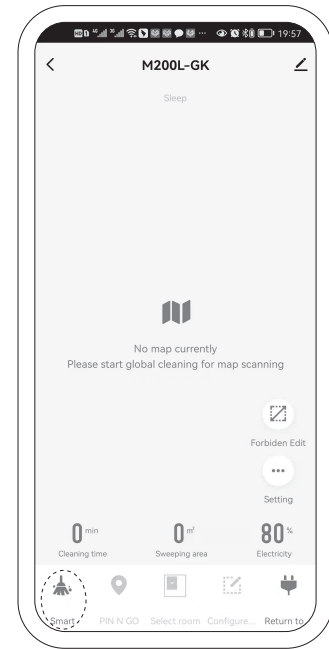
# APP connection



10a. When prompted "add successfully", the device icon will be displayed, and the name can be changed according to its own preferences, and click Done".

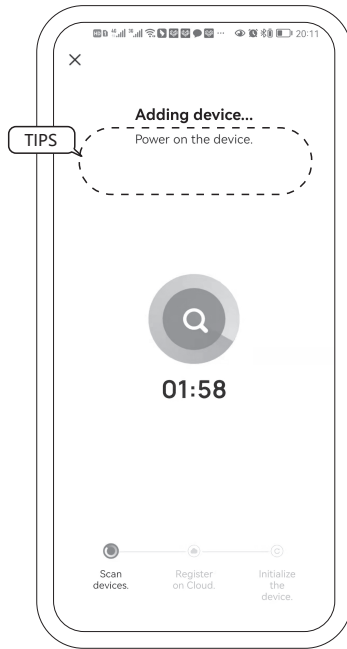


10a. After the completion of the add up, the device icon will be displayed on the front page of APP. Click to enter the control interface.



11a. Click "Smart" to default to work in "auto" mode, or select the appropriate mode and operation function according to the actual situation.

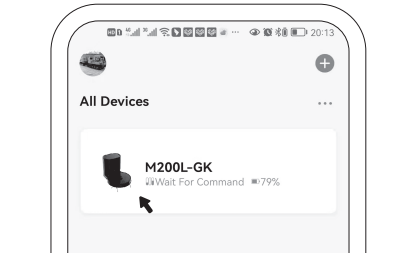
# APP connection



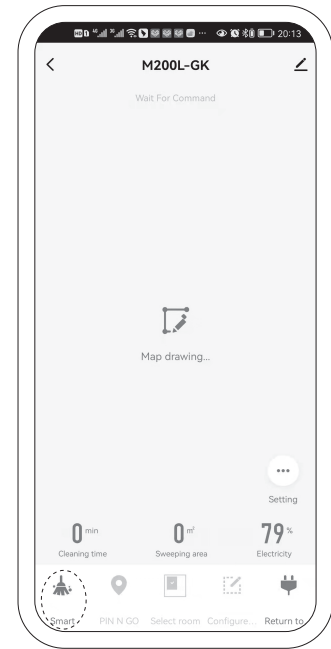
7b. After clicking "EZ mode", the application will search for smart devices in the same WiFi environment by itself. Meanwhile pay attention to the tips.



8b. When prompted "add successfully", the device icon will be displayed, and the name can be changed according to its own preferences, and click Done".



9b. After the completion of the add up, the device icon will be displayed on the front page of APP. Click to enter the control interface.



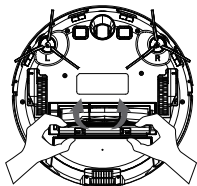
10b. Click "Smart" to default to work in "auto" mode, or select the appropriate mode and operation function according to the actual situation.



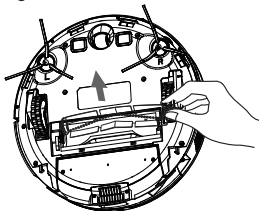
# Daily maintenance

## Rolling brush (It is recommended to clean it once a week)

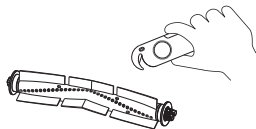
1. Flip the machine, press the snap on the rolling brush cover and remove the rolling brush cover.



2. Remove the rolling brush.



3. Use the matched cleaning brush to clean the dust from the main brush and the rolling brush chamber, and then clean the entangled matters on the rolling brush.

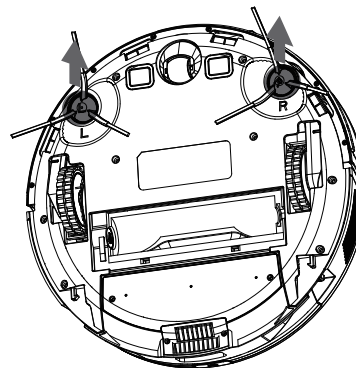


## Side brush (It is recommended to clean it once a week)

1. Flip the machine and vertically pull out the side brush.
2. Clean entangled hair and dirt and install it.
3. Match left-side brush (L) and right-side brush (R) with the letters L and R on the bottom case, respectively and press down to install it.

Note:

It is recommended to replace the side brush every 3 months to ensure the cleaning effect.

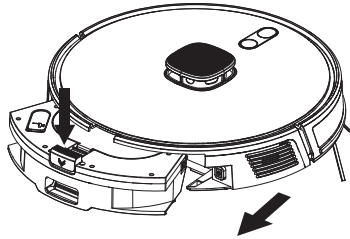


# Daily maintenance

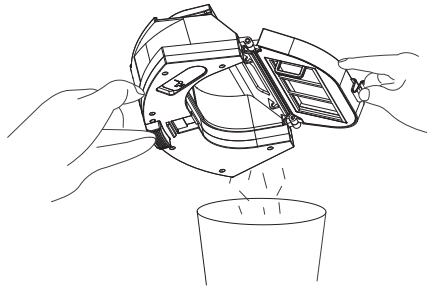
## Dust box and filter screen

(It is recommended to clean them after each sweeping)

1. Press the button on the dust box water tank and pull back to remove the dust box water tank.

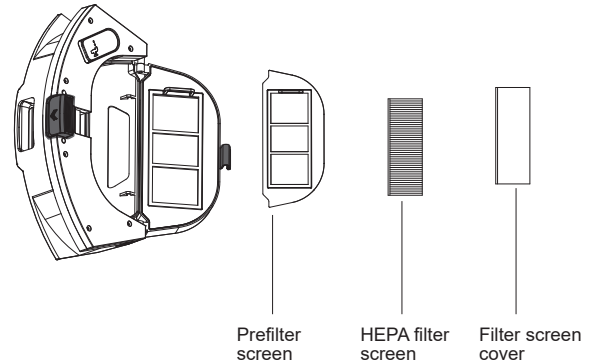


2. Press the switch on the dust box water tank, open the dust box and pour out the garbage.



(It is recommended to clean it once a week)

1. After a long period of use, remove the filter screen and HEPA filter screen.
2. Place the detached primary filter screen and dust box under the faucet for flushing (HEPA filter screen cannot be washed)
3. Spin-dry after washing, dry the filter screen and dust box in the air, and wait until they are thoroughly dried before use.

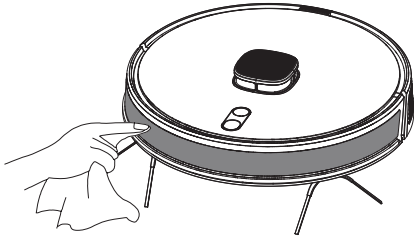


### Notes:

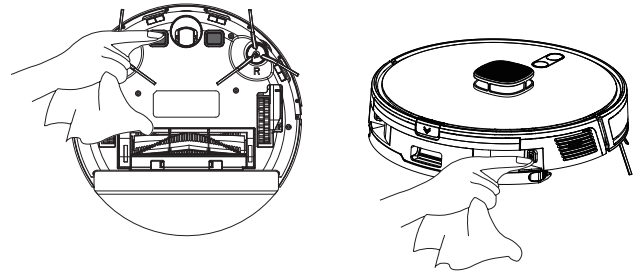
1. Rinse with clean water and do not add any detergent.
2. Do not clean the filter screen with a brush or your fingers.
3. Make the filter screen to dry in the air for at least 24 hours until it is thoroughly dried.
4. It is recommended to replace one set of filter screen every 3 months.

# Daily maintenance

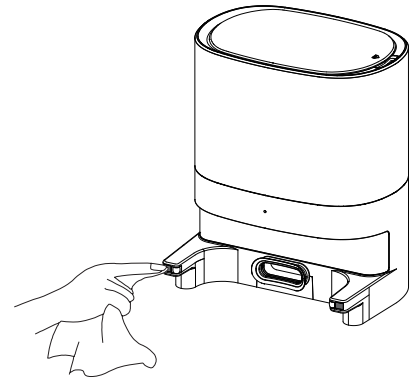
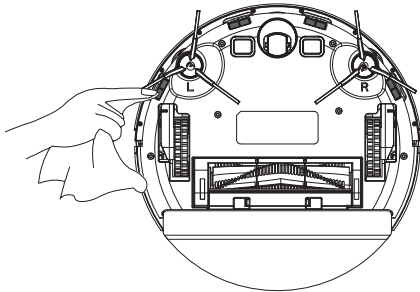
Clean anti-collision sensor (It is recommended to clean it once a month)



Clean charging contact (It is recommended to clean it once a month)

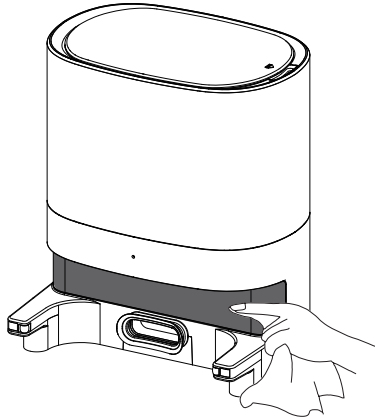


Clean cliff sensor (It is recommended to clean it once a month)



# Daily maintenance

Clean the signal emission area of charging base  
(It is recommended to clean it once a month)



## Battery

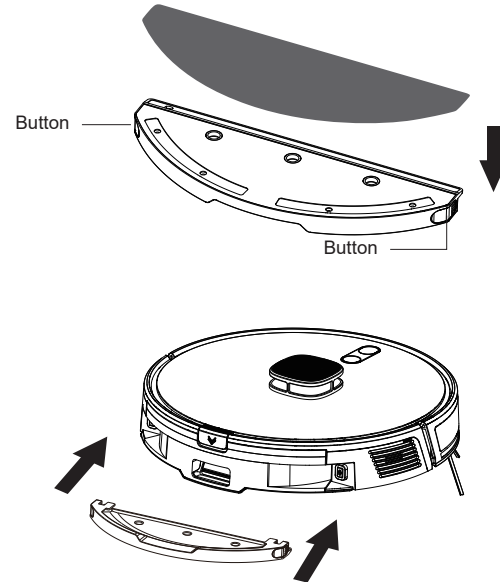
- The main machine has a built-in high-performance rechargeable lithium-ion battery pack. In order to maintain the battery performance, please keep the main machine in the charging state in daily use.
- If the machine is not used for a long time, you shall switch off and store it, and charge it at least once every 3 months to avoid damage to the battery due to excessive discharge.

## Firmware upgrade

You can enter the firmware upgrade function in the mobile phone APP, and upgrade it according to the prompt guide after the new firmware is detected. Firmware upgrades require  $\geq 50\%$  battery level and it is recommended that the equipment be placed on the charging base for upgrade.

Clean / replace mop  
(suggest cleaning a mop once every time).

Press and hold the buttons on both sides, pull out the mop module from the equipment. Remove the used mop, after cleaning and drying, install the mop to the mop module, or replace a new mop to install.



The mop is a wastage goods. Please replace the mop with a new one according to the actual use situation to ensure the floor mopping effect. Please purchase accessories on the designated official website.

# Basic parameters

## Main machine

	Parameter
Model	V8 (LDS)
Dimension	350 X 350 X 95 mm
Battery	5200mAh rechargeable lithium battery
Rated voltage	14.4V
Rated power	50W
Charging time	6~7H
Dust box capacity	300mL
Water tank capacity	250mL

## Dust collecting bank

	Parameter
Dimension	276*217*330m
Capacity of dust collecting bag	3000mL
Rated input	100-240V~50/60Hz
Rated output	19V ~1A

# Common problems

Problem type	Solution
Unable to boot	<ul style="list-style-type: none"> <li>· If the battery power is low, please place the equipment on the charging base to align the charging pole piece, and the equipment will power on automatically.</li> <li>· If the environment temperature is lower than 0°C or higher than 40°C, please use it under the environment of 0~40°C.</li> <li>· Press the reset key to restart the device.</li> </ul>
Unable to charge	<ul style="list-style-type: none"> <li>· Please remove the equipment and check whether the charging base indicator light is on, and confirm whether the power plug of charging base has been plugged in and whether the socket is powered.</li> <li>· In case of bad contact, please clean the charging base spring plate and charging contact on the main machine, or unplug the side brush. Or press the reset key to restart the device.</li> </ul>
Unable to recharge	The main machine is too far away from the charging base. Please put the main machine near the charging base. Or press the reset key to restart the device.
Abnormal behavior	Power off and press the reset key to restart the device.
Abnormal sound when sweeping	The main brush, side brush or wheel may have foreign matters entangled. Please shut down and clean them.
Impairment of cleaning ability or dust drop	<ul style="list-style-type: none"> <li>· Dust box is full. Please clean it.</li> <li>· The filter screen is blocked. Please clean or replace the filter screen.</li> <li>· The rolling brush is tangled with foreign matters. Please clean the rolling brush.</li> </ul>
Unable to connect WIFI	<ul style="list-style-type: none"> <li>· If WIFI signal is not good, please make sure the main machine is in good WIFI signal coverage area.</li> <li>· If WIFI connection is abnormal, please reset WIFI and download the latest mobile phone client before trying to connect again.</li> <li>· Password was entered incorrectly.</li> <li>· This robot vacuum only supports 2.4G frequency band.</li> </ul>
Appointment clearance is not effective.	<ul style="list-style-type: none"> <li>· When the power is insufficient, the appointment cleaning will be started only when the remaining battery is more than 20%.</li> <li>· The don't disturb time period set in the mobile app can't start the appointment cleaning.</li> </ul>

# Failure recovery

Voice prompt	Solution
Main brush is stuck.	Please check whether the roller brush is stuck.
Wheels are stuck.	Please check whether the wheel is stuck.
Front bumper is stuck.	Please check whether the front bumper is stuck.
Side brush is stuck.	Please check whether the side brush is stuck
Put the vacuum on the floor before starting.	Make sure the device is on a flat floor.
The vacuum is stuck	Please check whether the fan is stuck.
Check cliff sensor occlusion	Please check and clean all of cliff sensor.
Drive communication is abnormal, please try to shut down and restart.	Please clean the sensor at the bottom of the device and restart the device.
Please check if the lidar is stuck.	Please check if the lidar is stuck.
Please check if the lidar is blocked.	Please check if the lidar is blocked.
The side brushing module is abnormal, please try to restart the system.	Please clean up the sundries and garbage wrapped on the side brush and restart the equipment.

# Safety information

## Service restrictions

- This product is only used for floor cleaning in the home environment. It shall be not used in the outdoor (such as open balcony), non-floor (such as sofa), commercial or industrial environments.
- It shall be not used in a suspended environment (e.g., compound floor, open balcony and furniture top) without guards.
- It shall be not used in the temperature above 40°C or below 0°C, or in the presence of any liquid or viscous material on the floor.
- The wires on the ground shall be hanged up before use to avoid dragging the wires when the main machine is running.
- The fragile articles and sundries shall be packed up (such as vases and plastic bags) on the ground to avoid the damage of valuables at home caused by blocking or slight collision during the operation of the main machine.
- This product is not allowed to be used by the persons with physical, mental or perceptual impairments, including children.
- This product cannot be used as children's toy, and children and pets shall be supervised as far away as possible when the main machine works.
- The cleaning brush shall not be placed in an area accessible to children.
- Any objects (including children and pets) shall not be placed on the still or moving machine.
- The hair, fingers and other parts of the human body or pets are not allowed to be close to the machine suction inlet when the machine is working.
- It shall not be used to sweep burning objects (such as burning cigarette butts).
- It shall not be used to sweep wool carpets (for some dark carpets, it may not sweep properly)
- The main machine is not allowed to absorb hard objects or sharp objects (such as decoration scraps, glass and iron nails).
- The laser ranging sensor cover and bumper are not allowed to be used as a handle for handling of the machine.
- The main machine and charging base shall be cleaned or maintained in the shutdown or power-off state.
- Wet cloth or any liquid shall be not used to wipe off any part of this machine.
- This product shall be used according the instructions. Any loss and injury caused by improper use shall be borne by the user.
- The mopping function shall not be used on the carpet or furniture top.
- The water tank must be removed when the product is charged.



# Safety information

## Battery and charging

- Any third-party battery, charging base or charger shall not be used.
- The batteries or charging base shall not be disassembled, repaired, or modified without authorization.
- The charging base shall not be close to the heat source (such as heating radiator).
- Wet cloth or wet hands shall not be used to wipe and clean the spring plate of the charging base.
- Waste batteries shall not be discarded at will and shall be handled by professional recycling institutions.
- If the power supply is crushed or broken, the product shall be stopped immediately, and the power supply shall be purchased through the official channel and replaced.
- If the product is transported, the main machine shall be in the power-off state and packed with original packing box.
- If the machine is not used for a long time, it shall be fully charged and placed in the cool and dry place, and it shall be charged at least once every three months to avoid excessive discharge and damaging the battery.

\*Class 1 laser product. The lidar of this product complies with GB7247 1-2010 / IEC 60825-1:2014 class 1 laser safety standard, which does not produce dangerous laser radiation to human body.

