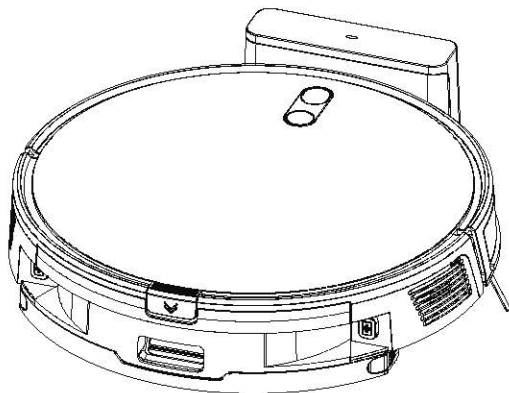




Operating Instruction of Intelligent Robot Vacuum G2D



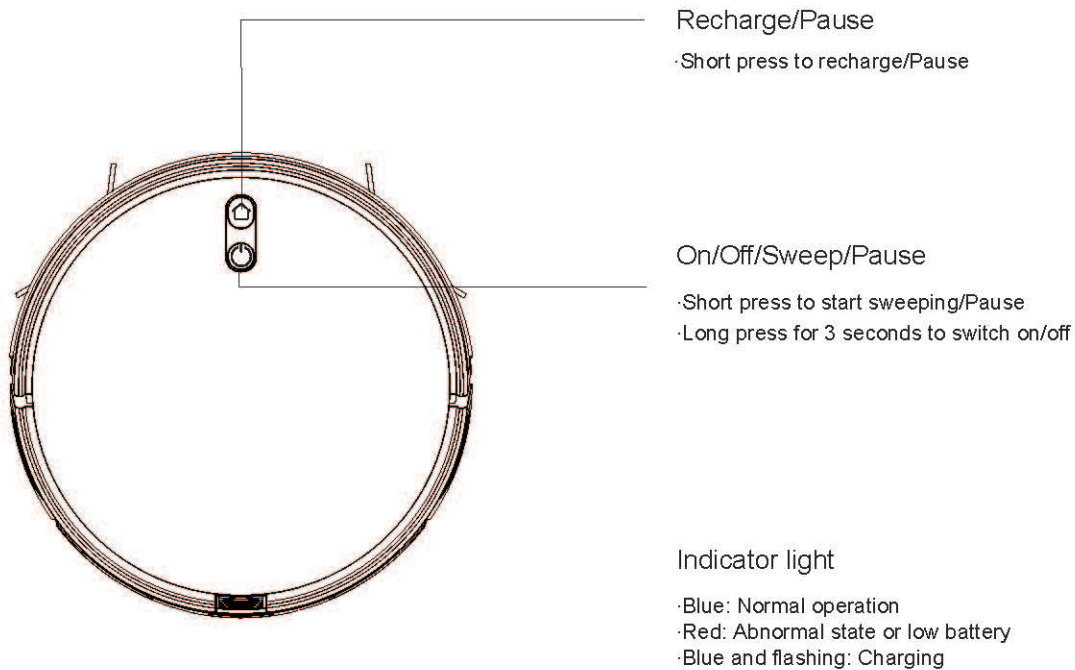
Please read this instruction carefully before use and keep it properly

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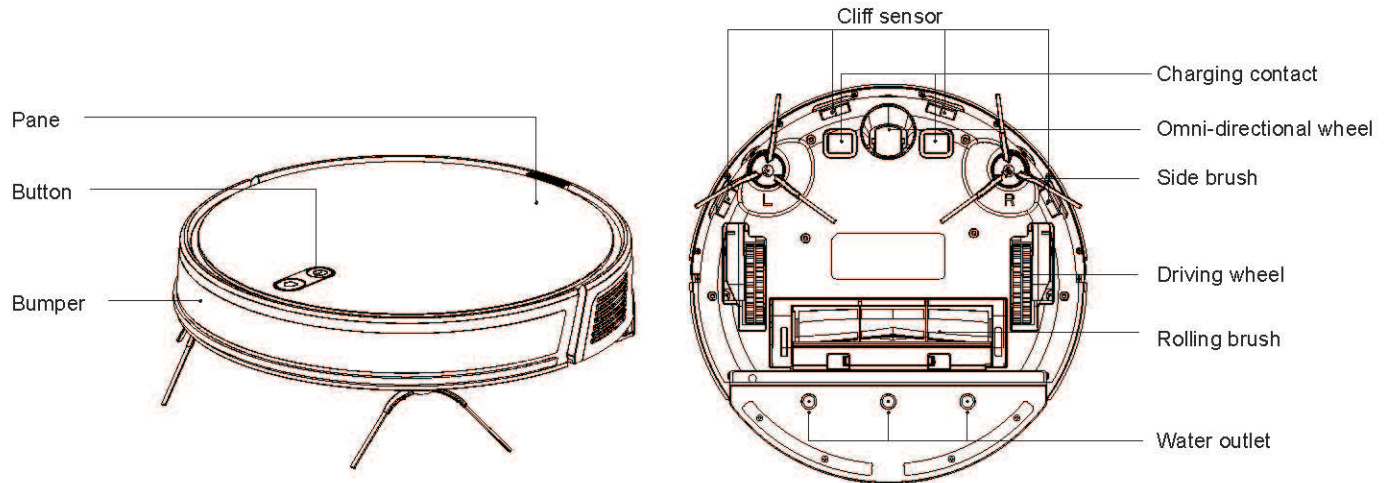
Introduction

Main machine



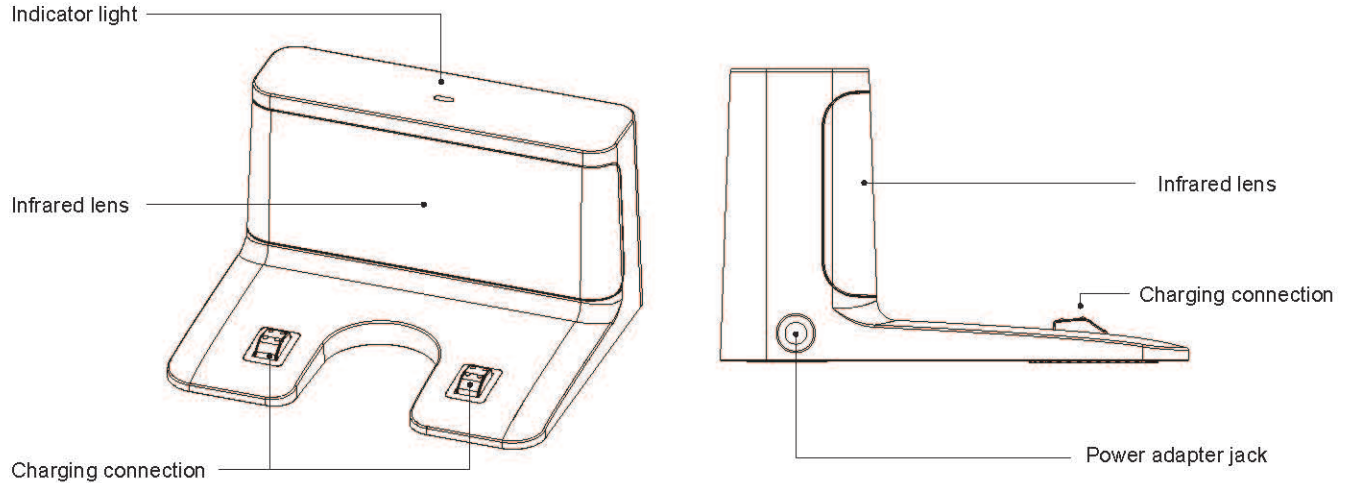
Introduction

Sensor and structure



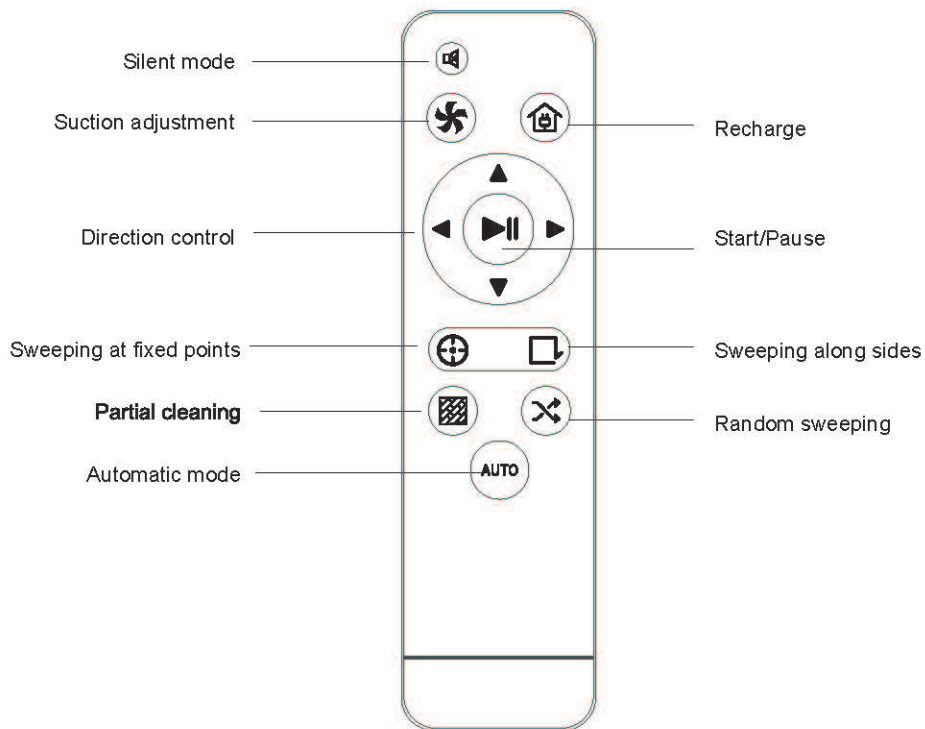
Introduction

Charging station



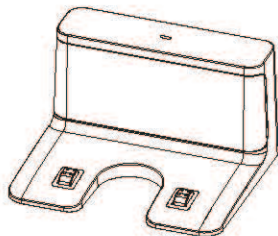
Introduction

Telecontroller

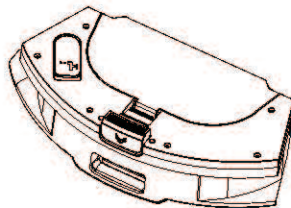


Introduction

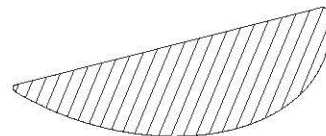
Accessories List



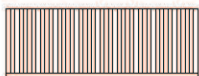
charging station X 1



Integrated water tank and mop holder X 1



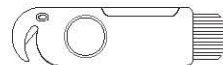
Mop X 1



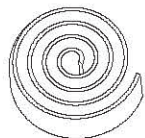
HEPA filter screen X 2



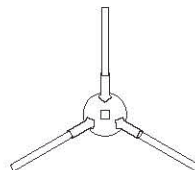
Telecontroller X 1



Cleaning brush X 1



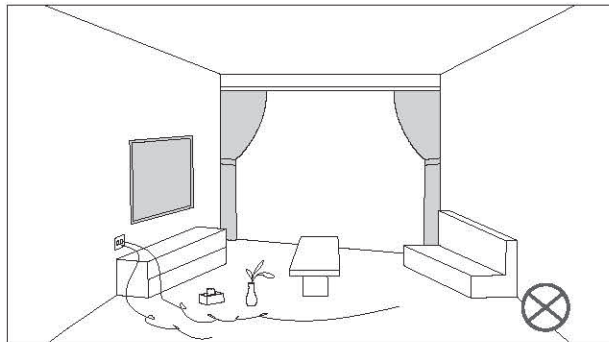
Magnetic stripe X 1 (optional)



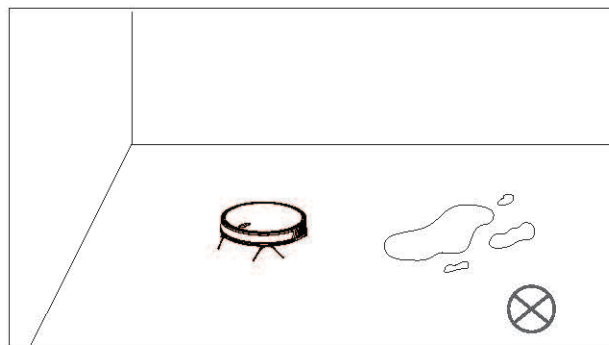
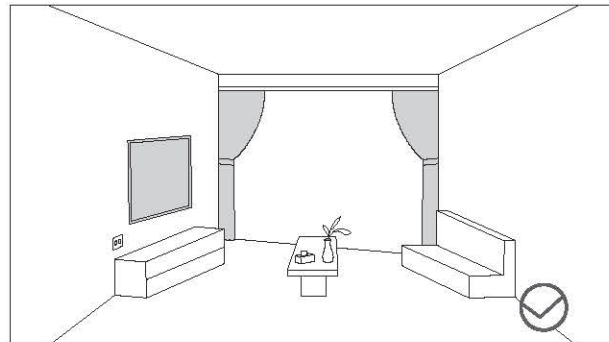
Left-side brush X 2
Right-side brush X 2

Installation

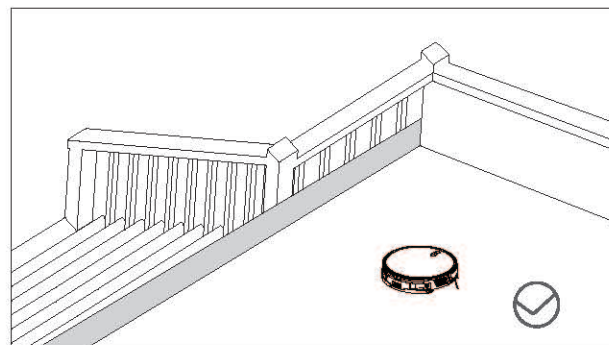
Precautions



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.



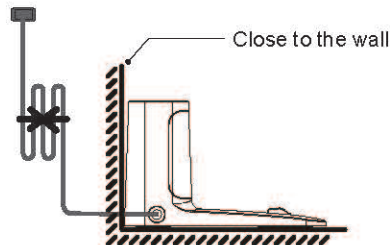
Don't use the robot vacuum to clean liquid.



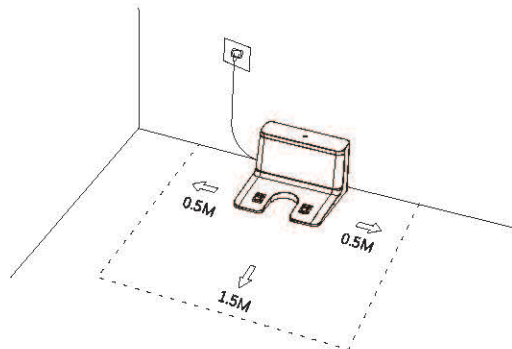
If the product is used in a suspended environment, please equip barriers to prevent accidental dropping of the equipment or articles and causing personal or property damage.

Installation

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



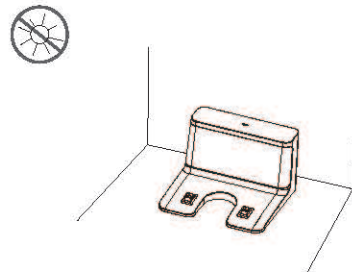
- 2、Place the charging base against the flat ground wall and connect it to the power supply.



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.

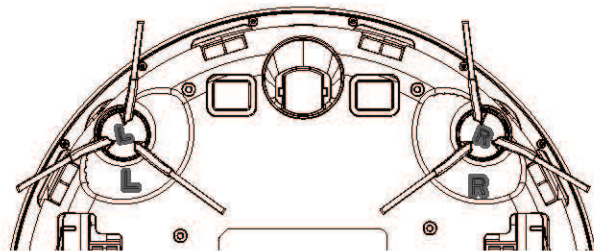


Notes:

- 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

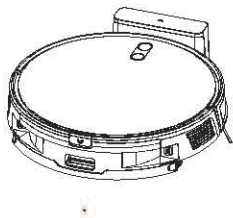
Match left-side brush (L) and right-side brush (R) with the letters L and R on the bottom case, respectively and press down. When you hear click, it suggests the installation is in place.



Installation

5、Power on and charge

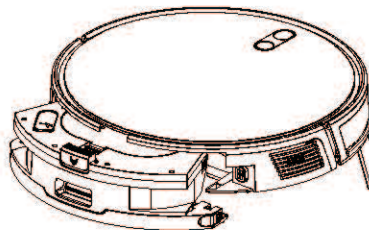
Long press  button to power on, put the main machine on the charging base to charge after the indicator light is always on. When the voice prompts "start charging", it suggests it is successfully charged.



Notes:

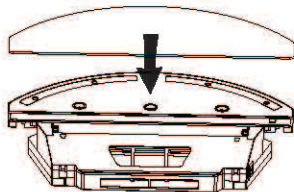
·If the power is insufficient and the equipment cannot be started, please place the main machine on the charging base, and the equipment will be automatically started.

② Installation of water tank: Align the water tank with the machine and push it in until it gets stuck.



6、Installation of mopping module

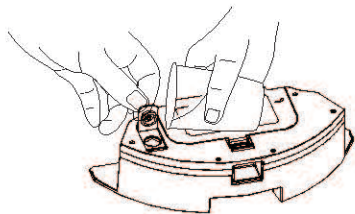
① Installation of cleaning cloth: adhere the cleaning cloth to the water tank flat



Note: It is suggested that the cleaning cloth should be cleaned after each use to guarantee the cleaning efficiency.

Installation

- ③ Water filling of water tank: Open the water inlet on the water tank, fill it with water and fasten the cover.



Note: Do not flush and soak the water tank.

7、Instructions of mopping module

- ① For sake of safety, please be sure to remove the mopping module 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 pilot lamp 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 telecontroller or mobile phone APP to start the sweeping.

Note:

- The robot vacuum cannot be used to sweep liquid.
- If the battery level is lower than 15%, 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 15% during sweeping.
- When charging power is more than 30%, 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.

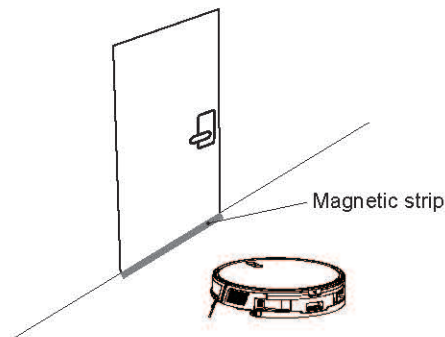
Manual mode: in the pause state, short press the  button to start the charging or use the telecontroller or mobile phone APP to start the charging.

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.

Virtual wall (pre-configuration function)

You can set up magnetic strips to isolate areas that you do not want to clean (such as toilet and kitchen)



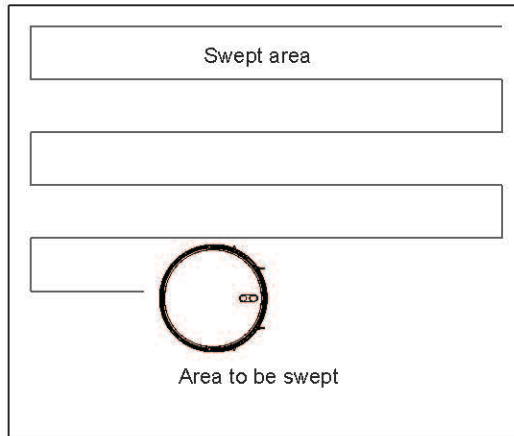
Note:

Please fix the magnetic strip on the ground to prevent detachment, otherwise, the use effect of virtual wall will be affected.

Instructions

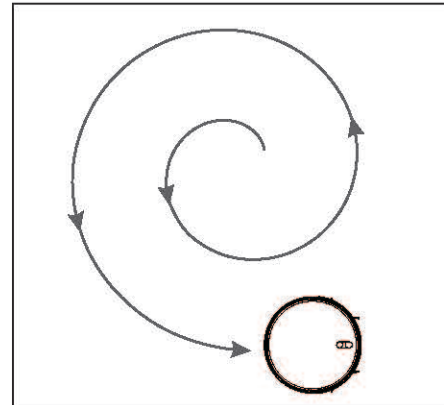
Automatic sweeping

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)



Sweeping at fixed points

When you press the $\oplus$ button on the telecontroller, the machine will sweep the circular area with a diameter of 1.2m with itself as the center, after the completion of sweeping, the main machine will automatically return to the origin position and stop working.(Meanwhile, you can also manually control the machine to the position to be swept by using the direction buttons on the mobile phone APP)

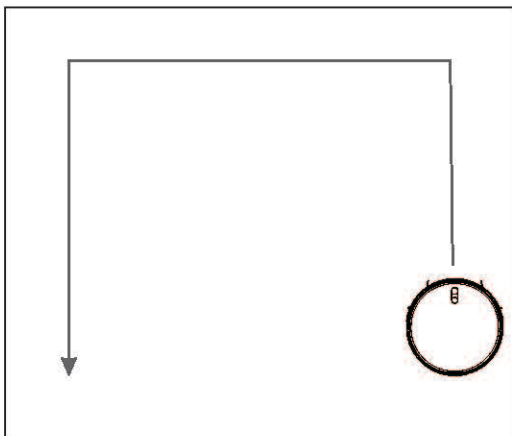


Instructions

Sweeping along sides

This mode is for sweeping of indoor corners. The machine will sweep along the periphery of fixed articles (such as, wall) and return to the charging base at the end of work.

You can quickly start the function of sweeping along sides by short pressing the  button on the telecontroller or using the mobile phone APP.

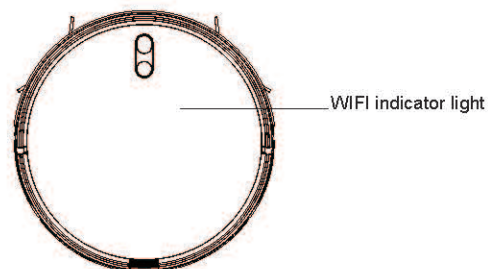


Appointed sweeping

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 (7*24 hour appointment will be supported)

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)



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.

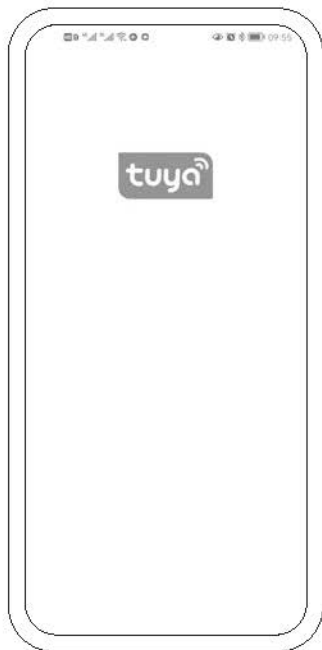
Suction adjustment

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).

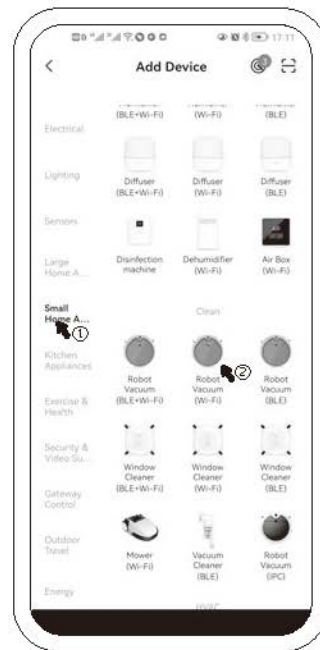
APP connection



1. Search the "Tuya" app in the APP store, 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".

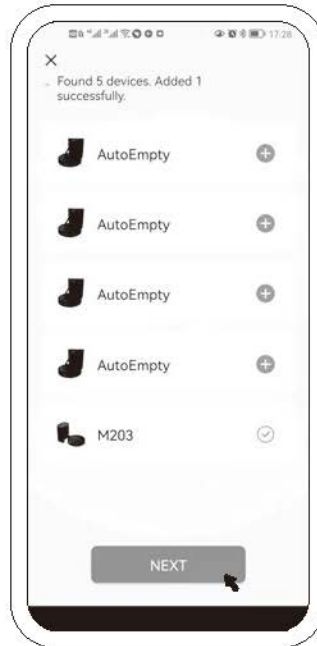


6. Choice the "EZ Mode" .

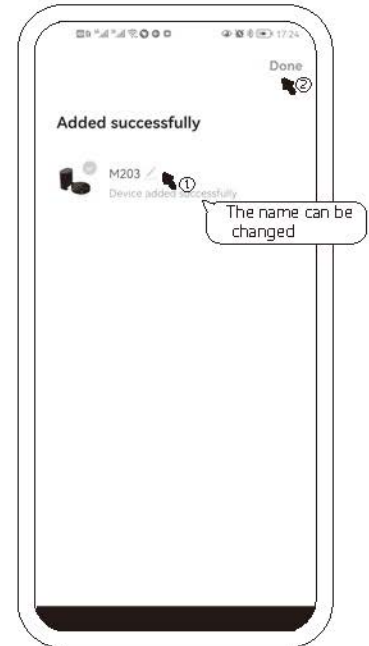
APP connection



7. Please pay attention to APP's reminder and make sure it is normal.

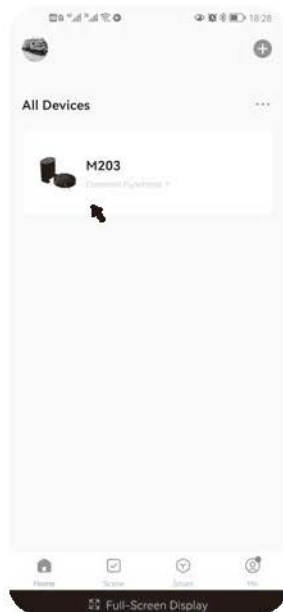


8. App will automatically connect successfully. Then click "next".



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

APP connection



10. 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

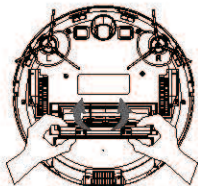


11. Click "ON" to default to work in "auto" mode, or select the appropriate mode and operation function according to the actual situation.

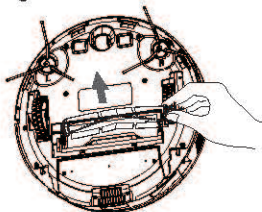
Daily maintenance

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

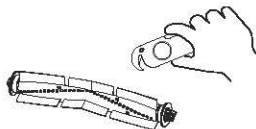
1. Flip the machine, press the snap on the rolling brush cover and remove the rolling brush cover.



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.

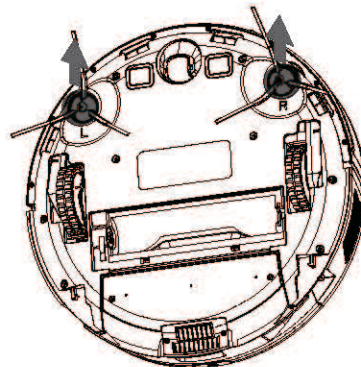


Side brush (It is recommended to clean it once a week)

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.

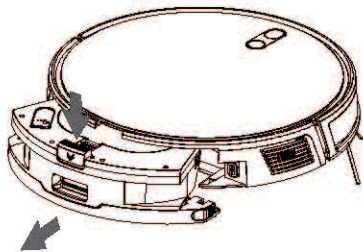


Daily maintenance

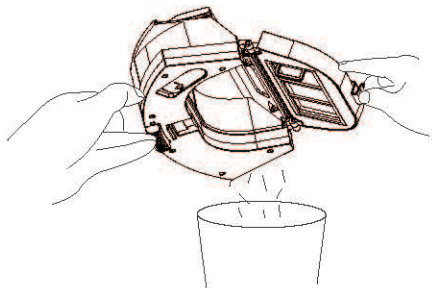
Dust box and filter screen

(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.

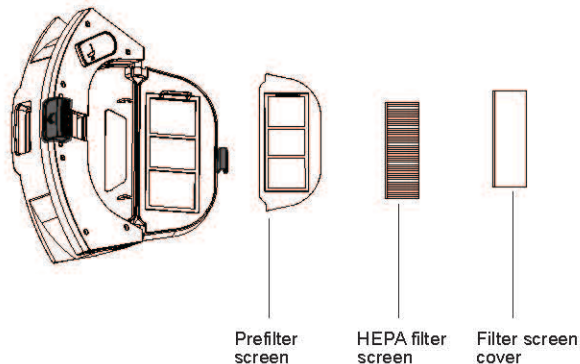


2. Press the switch on the dust box water tank, open the dust box and pour out the garbage.



(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.

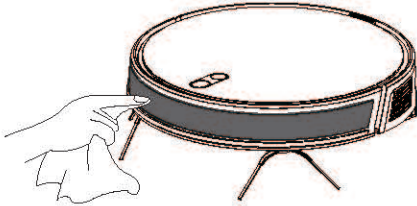


Notes:

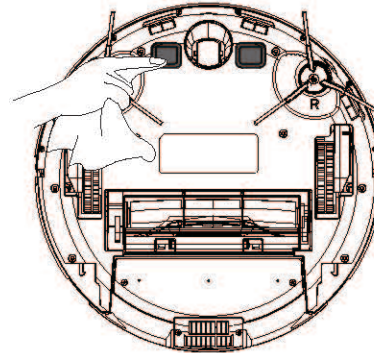
1. Rinse with clean water and do not add any detergent.
2. Do not clean the filter screen with a brush or your fingers.
3. Make the filter screen to dry in the air for at least 24 hours until it is thoroughly dried.
4. It is recommended to replace one set of filter screen every 3 months.

Daily maintenance

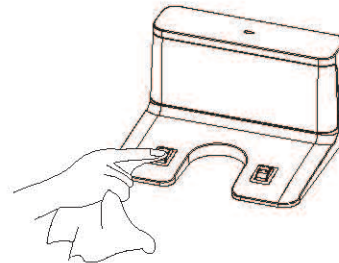
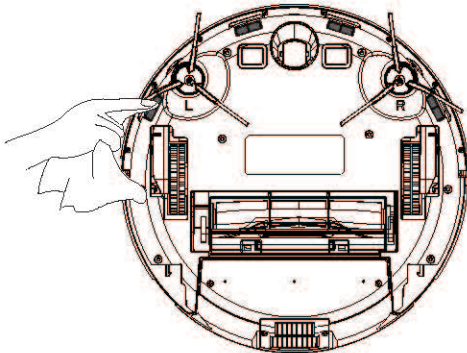
Clean anti-collision sensor (It is recommended to clean it once a month)



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

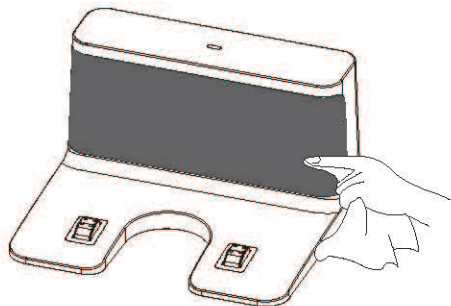


Clean cliff sensor (It is recommended to clean it once a month)



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.**

Basic parameters

Main machine

	Parameter
Model	M200
Dimension	350 X 350 X 79 mm
Battery	2600mAh rechargeable lithium battery
Rated voltage	14.4V
Rated power	50W
Charging time	300min
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	· 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. · If the environment temperature is lower than 0°C or higher than 40°C, please use it under the environment of 0-40°C.
Unable to charge	· 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. · In case of bad contact, please clean the charging base spring plate and charging contact on the main machine, or unplug the side brush.
Unable to recharge	The main machine is too far away from the charging base. Please put the main machine near the charging base.
Abnormal behavior	Power off and restart.
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	· Dust box is full. Please clean it. · The filter screen is blocked. Please clean or replace the filter screen. · The rolling brush is tangled with foreign matters. Please clean the rolling brush.
Unable to connect WIFI	· If WIFI signal is not good, please make sure the main machine is in good WIFI signal coverage area. · If WIFI connection is abnormal, please reset WIFI and download the latest mobile phone client before trying to connect again. · Password was entered incorrectly. · This robot vacuum only supports 2.4G frequency band.
Appointed sweeping is not valid	The battery level is low and appointed sweeping can be started when the remaining battery level is ≥15%.
Whether the machine consumes power if it is on the charging base at all times	The main machine consumes very little power at the charging base at all times, which helps to keep the battery at optimal performance.
Whether the machine need to be charged for 16 hours during its first three uses.	Lithium batteries can be used after charged. They have no memory effect, and they are fully ready-to-use without waiting after fully charged.

Failure recovery

Failure warning tone	Solution
Error 1: Please start the machine after install the dust box	The dust box triggers the sweeping function after removed. Please install it.
Error 2: The machine is in the off-the-ground state and please place it on the ground before starting	The equipment is picked up, or it is suspended. Please move the equipment on the plat floor before starting.
Error 3: Please move the machine to a safe area before starting	The cliff sensor is blocked or the machine is placed on a high place. Please wipe the cliff sensor window with a soft dry cloth or move the equipment to a flat ground before starting.
Error 4: Please place the machine flat on the ground before starting	The equipment inclines. Please move the equipment on the plat floor before starting.
Error 5: Please check whether the forward collision is blocked	Edge or collision sensor is stuck. Please push the collision plate left and right to make sure there is no clamping stagnation.
Error 6: Low battery. Please charge	Please place the main machine on the charging base for charging.
Error 7: The machine is stuck	Please move the machine to the open ground before starting.
Error 8: Please check whether the wheel is stuck	The main wheel is stuck or entangled. Please check main wheel and clean foreign matters.
Error 9: Please check whether the main brush is blocked	The rolling brush is stuck or entangled. Please check rolling brush and clean foreign matters.
Error 10: Please check whether the side brush is stuck	The side brush is stuck or entangled. Please check side brush and clean foreign matters.

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.

FCC Statement

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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.