

Lydsto Self Cleaning Sweeping Robot W3

Operating Manual

Catalogue

Safety precaution -----	1	Q&A -----	14
product description -----	3	Troubleshooting-----	16
Install -----	6	Basic Parameters-----	17
Connect APP -----	8		
Use -----	9		
Maintenance and Maintenance -----	11		

Tips:

Please read this manual carefully before using the product
and keep it properly.

Safety precaution

Usage restrictions

- This product is only used for floor cleaning in the home environment. Do not use it in outdoor, non-floor, commercial or industrial environments.
- This product is not intended for use by persons with physical, sensory or intellectual disabilities and persons without relevant experience and knowledge, including children, unless under the supervision or guidance of a guardian to ensure their safe use of this product.
- Do not let children use the mopping robot as a toy. Please supervise children and pets to keep them away when the main unit is working.
- If the power cord is damaged, it must be replaced with a dedicated cord or a dedicated component purchased from its manufacturer or service department.
- Do not place children or pets and any objects on the stationary or running robot.
- Do not place the cleaning brush in an area that can be touched by children.
- Do not lift the lidar protective cover directly when moving the robot.
- Do not use it in a suspended environment (such as duplex floors, open balconies, and the top of furniture) without guarantee.
- Do not use it in an environment higher than 35°C, lower than 0°C or with any liquid and viscous substances on the ground.
- Do not use to sweep any burning objects.
- Before use, please tidy up the ground wire at home, if it is used on the power line, it will be dangerous.
- Please put away the fragile items and sundries on the ground (such as vases, plastic bags, etc.) to prevent the robot from being blocked or slightly collided during operation, which may cause damage to valuables at home.
- Do not use mopping mode on the carpet, when mopping, please set up a virtual wall or restricted area in the carpet area.
- Do not let the robot pick up hard or sharp objects (such as decoration waste, glass, iron nails, etc.).
- Please turn off and unplug the main unit and base station before cleaning and maintenance.
- Do not place the main unit upside down on the ground for a long time.
- If you need to transport the product, please ensure that the robot is turned off, and it is recommended to use the original packaging box for packaging protection.
- Do not use a damp cloth or any liquid to wash the main unit and base station. After daily cleaning of the washable parts, please dry them thoroughly before installing and using them.
- During the cleaning process, do not move the sweeping robot out of the base station to avoid equipment damage.
- Please use this product in accordance with the instructions in the manual. Any loss and injury caused by improper use shall be borne by the user.
- Do not use in direct sunlight.

Battery and charging

- Do not use any third-party batteries, power cords, or base stations, and can only be used with base stations of model JCB-W3-W03.
- Do not disassemble, repair, or modify the battery or base station without permission.
- Do not wipe or clean the battery connector of the base station with a damp cloth or wet hands.
- Do not place the base station near heat sources (such as radiators, etc.).
- Do not throw away discarded batteries at will, and hand them over to a professional recycling organization.
- If you do not use it for a long time, please turn off the robot after fully charged and put it in a cool and dry place.
- It is recommended to charge the battery at least every 3 months to avoid damage to the battery.

Environmental statement

The chemical substances contained in the lithium-ion battery built into this product may pollute the environment.

Please have it removed by a professional before being scrapped and handed over to a professional battery recycling station for centralized disposal.

Steps to remove the battery

The following information is only applicable when discarding this mopping robot, not for daily operation instructions:

1. Let the sweeping robot run until the power is low and cannot be cleaned without touching the base station;
2. Shut down the sweeping robot;
3. Remove the bottom case of the sweeping robot;
4. Press the buckle to pull out the connector plug of the battery and take out the battery.

Notice:

- When removing the battery, make sure it is fully charged and operating away from the base station.
- Please disassemble the entire battery pack together, and do not damage the battery pack casing to avoid short circuit or leakage of dangerous substances.

If accidentally comes into contact with the battery exudate, please rinse with plenty of water and seek medical attention in time.

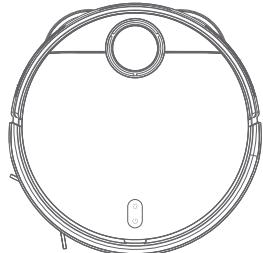
Before discarding the appliance, the battery must be removed from the appliance after the power is cut off, and the battery should be safely disposed of.

- State that during charging, the battery must be placed in a well-ventilated area (for chargers for batteries that release gases into the atmosphere during normal charging)

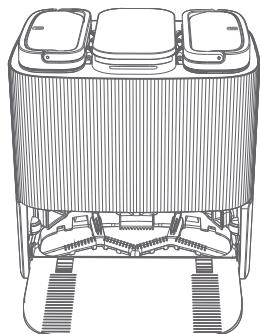


: For Household Use Only.

Product description



Robot



Base station

Parts List

Accessories installed on the robot:



Dust box



Filter
(installed on
the dust box)



Main brush



Main brush cover



Mop*2



Side brush

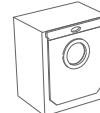
Accessories installed on the base station:



Clean water tank



Sewage water tank



Dust bag

Other Accessories:



Mop cloth
support*2



Side brush
(replacement)



Cleaning
brush



Mop
(replacement)*2



Cleaning
knife



Filter element
(replacement)



Dust bag
(replacement)

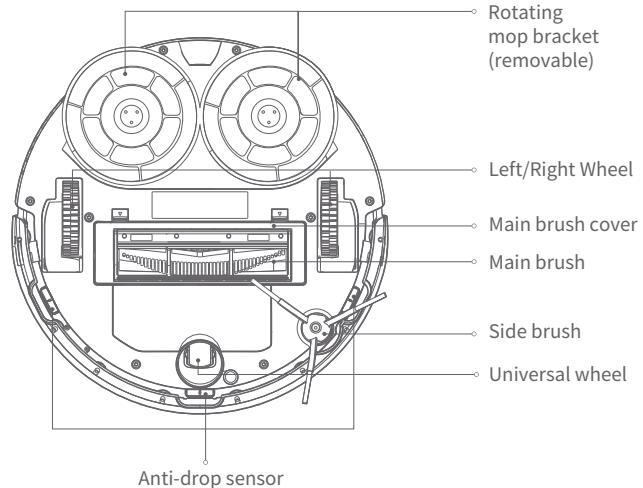
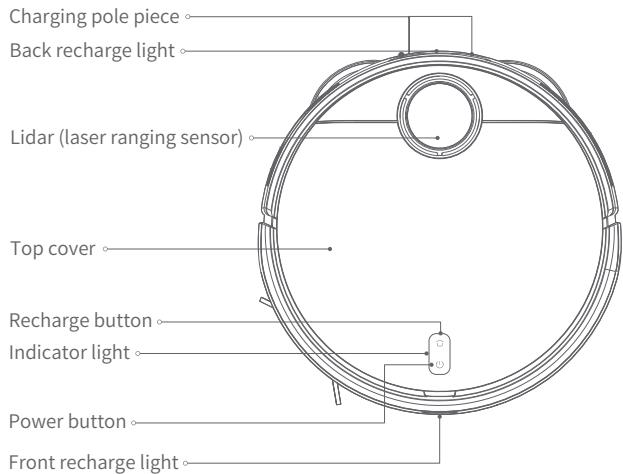


Moisture-
proof pad

Note: The illustrations of products, accessories, user interfaces, etc. in the manual are schematic diagrams for reference only. Due to the updating and upgrading of the product, there may be slight differences between the actual product and the schematic diagram. Please refer to the actual product.

Product description

Robot



① power button

Press and hold for 3s to turn on or off
Short press to start or pause
cleaning/sweeping

② Recharge button

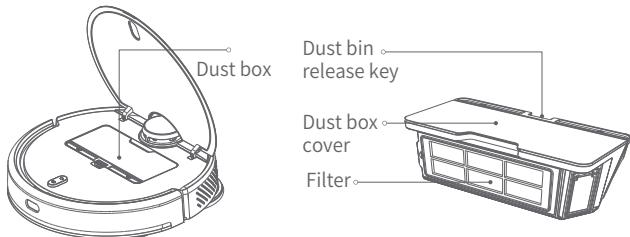
Long press for 5s, long press again for
5s to restore factory settings
Short press to start or pause recharging

Robot indicator status description

White light is always on	In work / connect successful / boot completed / charging Completed	White light breathing	Charging (battery <20%)
Orange light flashes	Disconnected	Red light is flashing	The robot state is abnormal/ Wi-Fi is waiting to be connected.
Orange light is always on	The robot is recharging	Robot light off	Shutdown/sleep state
White light breathing	Charging (20%≤electricity <100%)		

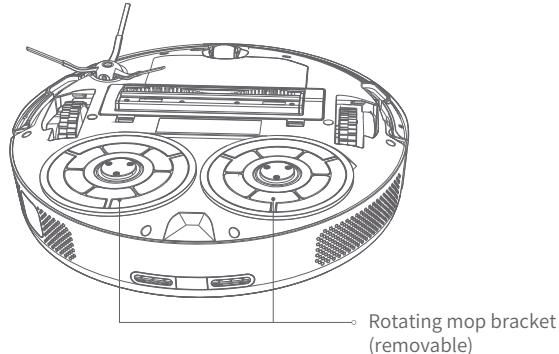
Product description

Dust box

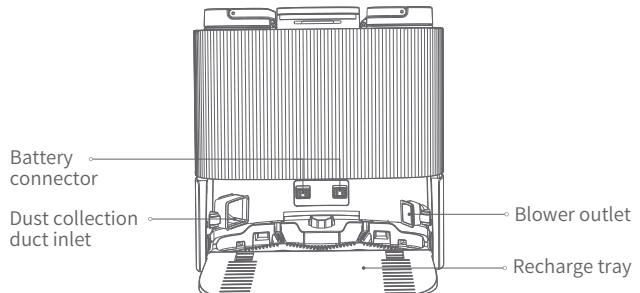
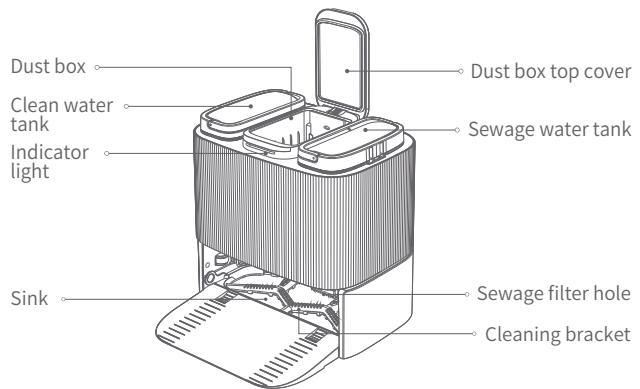


Notice: The dust box must be installed in the cleaning mode and the mopping mode, otherwise the robot cannot be started.

Rotating mop bracket

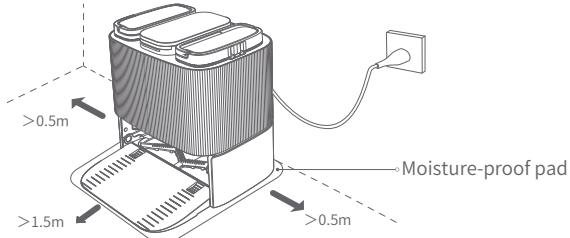


Base station (placed against a wall)



Install

Place the base station against the wall and connect the power cord

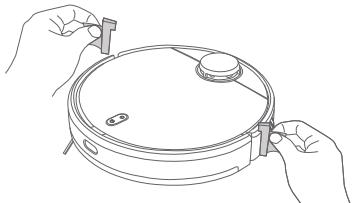


Notice:

- Do not place the base station in direct sunlight.
- Make sure that there is more than 1.5 meters in front of the base station and more than 0.5 meters space on both sides.
- Pay attention to the power cord, otherwise it may be dragged by the sweeping robot, causing the base station to move or power off.
- The clean water tank, sewage water tank and dust bag should be installed in place.

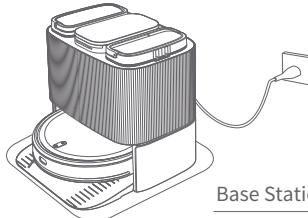
Remove the crash protection strip

Before use, be sure to remove the anti-collision protection strips on both sides of the robot.



Power on and charge

When using it for the first time, press and hold the power button for 3 seconds to turn it on. After turning it on, please manually place the robot on the base station, and align the charging pole piece with the battery connector. In daily use, you can directly press the recharge button to start the smart recharge.



Base Station Indicator Status Description

White light flashing	In dust
White light is always on	Standby/Cleaning/Drying (More than 5 minutes)
White light breathing	Charging
Orange light flashing	Abnormal status of base station

Notice:

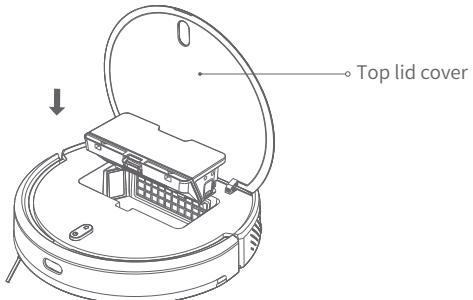
- When charging for the first time, please use it fully charged to protect the battery.
- When the battery is low, it may not be able to turn on, please place the robot on the base station for charging.
- The robot will automatically turn on after connecting to the base station, and cannot be turned off during the charging process.
- For the first time use, it is recommended to follow the robot throughout the process to assist in cleaning up items that may affect the work of the robot. If some areas may be stuck with the robot or the surface of the furniture will be scratched when the robot is running, a restricted area can be set in the mobile APP to prevent the robot from entering the above-mentioned areas.
- The white light of the base station is always on for more than 5 minutes, which means the machine enters standby mode.

Install

Install accessories according to the desired cleaning mode

Sweeping mode (with dust box installed):

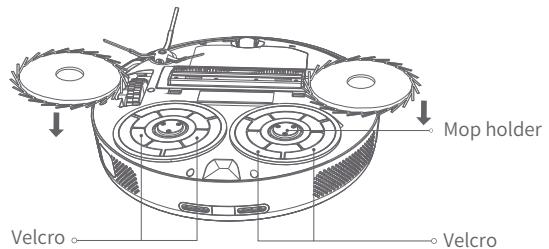
Open the top cover, put the dust box into the robot, and confirm that the buckle is firmly locked.



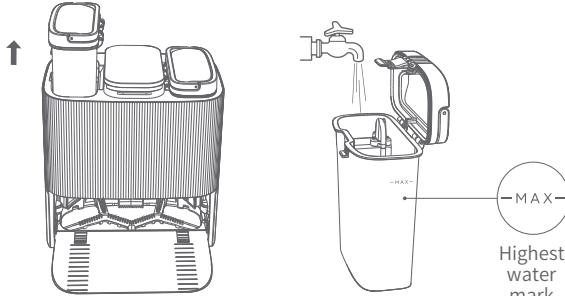
Tip: Please clean the dust box regularly to avoid dirt affecting the cleaning effect.

Sweep and mop mode (install clean water tank, sewage water tank, dust bag, mop):

1. According to the picture, place the mop along the position of the mop holder and stick it on the Velcro.



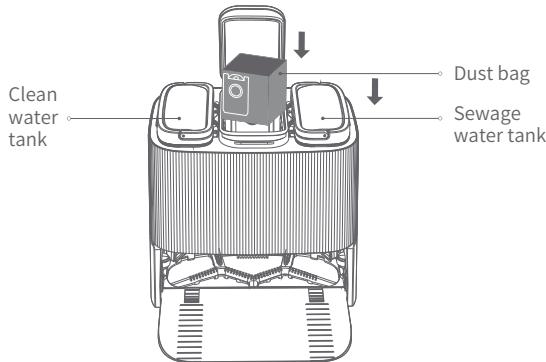
2. Take out the clean water tank and add municipal tap water to below the maximum water level.



Tip: Check the water tank regularly. If there is sewage, please pour it out in time to ensure that there is no water in the sewage water tank.

Install

3. Install the clean water tank and the sewage water tank to the corresponding positions of the base station, then put the dust bag into the dust box and fasten the top cover of the dust box.



Notice:

- Do not pour hot water into the clean water tank to avoid deformation of the clean water tank.
- Do not pour hot water into the sewage water tank to avoid deformation of the sewage water tank.
- When sweeping and mopping, please set up virtual walls or restricted areas in the carpet area.
- It is forbidden to add any unofficial or other cleaning fluid to the clean water tank, so as not to damage the equipment.
- In the case of stagnant water, please clean up the stagnant water before using the sweeping or mopping function.
- After sweeping and mopping, please take out and clean the sewage water tank in time, clean the cleaning tank, clean the bracket, and recharge the tray to avoid odor and mildew.

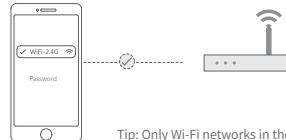
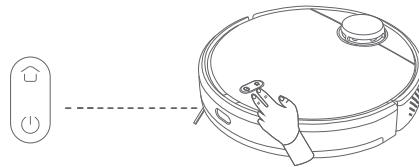
Connect APP

Lydsto APP can be downloaded from Apple APP market or Google APP market.
Or Scan the following QR code, Download and install Lydsto APP.



2. Configure the network

Long press the " + " Configure the network in 3 seconds.



Tip: Only Wi-Fi networks in the 2.4GHz band are supported.

Use

On/Off

When the main unit is charging, it will automatically turn on and cannot be turned off. Press and hold the "  " for 3 seconds, the indicator light will turn on, and the host will be turned on.

When the host is not charged and suspended, press and hold the "  " for 3 seconds to shut down.

Reset Wi-Fi

On "  " and "  " buttons at the same time for 3 seconds in the power-on state, and you will hear the prompt "Reset Wi-Fi, After entering the network configuration", the Wi-Fi reset is successful and you can reconnect.

Tip: Only Wi-Fi networks in the 2.4GHz band are supported.

Quick Mapping

The first time it starts up and runs, there is no map in the APP, put the host on the base station, select Quick Map in the APP, the host will only build the map without cleaning; after the host scans and drags, it will automatically return to the base station, the mapping is completed and the map is automatically saved.

Tip: During the drawing process, do not move the host and the dust collector, and keep away from children and pets.

Sweep or mop

In the power-on state, short press the "  ", the host will automatically enter the sweeping or mopping mode according to the installed accessories; in the APP, you can choose to switch between sweeping and mopping modes.

Pause

When the host is in running state, short press the "  " of the host to pause cleaning, and short press the "  " again to continue cleaning. Short press the "  " to start recharging, and short press the "  " again, the host pauses recharging.

Recharge

In the power-on state, short press the "  " of the main unit, the main unit will enter the recharge mode; when the main unit is cleaned or the do not disturb time period is reached, it will automatically enter the recharge mode; Recharge, after the power is sufficient, it will automatically return to the interruption point to continue cleaning;

Dust collection

When the host cleaning task is completed, after returning to the station, the base station will automatically collect dust on the host; you can also use the "one-click dust collection" function of the App to trigger dust collection;

Tips: After the host returns to the station during the "Do Not Disturb" time period and the host returns to the station when the battery is too low, the dust will not be collected, and only when the task is completed will the dust be collected;

Continue to scan

This machine has the function of continuous scanning at breakpoints. During the cleaning process, when the battery is low, it will automatically search for the base station to charge. After charging, it will return to the breakpoint to continue cleaning. If the cleaning is artificially ended during the charging process, the continuous cleaning at the breakpoint will be canceled.

Water tank filling or pouring

Before the sweeping and mopping robot works, please fill the clean water tank with clean water; after the sweeping and mopping robot works, please pour out and clean up the water in the sewage water tank.

Tip: It is forbidden to use cleaning products such as detergents, disinfectants, solid detergents, etc. to avoid corrosion and damage to the equipment.

Do Not Disturb Mode

During the Do Not Disturb time period, the host will not respond to breakpoints to continue scanning, schedule cleaning, or actively broadcast voices. Do not disturb mode is enabled by default, and the default time period is from 22:00 pm to 7:00 am. Do not disturb mode can be turned off through the APP.

Tip: During the Do Not Disturb time period, the indicator light will turn off after the host is charged for 1 minute.

Use

Wash/dry mop

During the sweeping and mopping process, the host will automatically return to the base station to clean the mop halfway. After the cleaning is completed, the host will automatically return to the interruption point to continue sweeping and mopping;

After the cleaning and mopping is completed, the host will automatically return to the base station to clean the mop, and after the cleaning is completed, it will enter the standby state; when in standby in the base station, press the cleaning button in the APP to start the cleaning mop, and after the cleaning is completed, it will enter the standby state.

In the above cases, after cleaning the mop, the base station will automatically dry the mop; if you manually set the "drying off" mode or the do not disturb time period, the mop will not be dried.

Tip: The cleaning will be interrupted if the base station is powered off, the clean water tank is empty, the host is out of the station, the sewage water tank is full, and the cleaning bracket is not installed in place. Please check before cleaning.

Zone cleaning

Zone cleaning can be set in the APP, and the host will clean according to the planned area.

Tip: During cleaning, the host may go beyond the designated area, please pay attention to clear the ground obstacles around the designated area. Domain dashing does not serve as a security isolation.

Where to scan

Select where to scan in the APP, and then select the target point on the map, the host will automatically plan a route to the target point, take the target point as the center, and clean in a $2m \times 2m$ square area.

Carpet identification

After the sweeping and mopping robot recognizes the carpet during the cleaning process, the suction enhancement is automatically turned on, and this function can be turned off by using the APP; or the carpet avoidance function can be turned on in the APP, and the sweeping and mopping robot will automatically bypass the carpet for cleaning.

Tip: For children's floor mats, yoga mats, sponge mats, and hard short-haired carpets, misjudgment may occur, which does not affect normal use. A virtual wall/restricted area can be set to prohibit the host from entering the area that does not need to be cleaned.

Edge cleaning

Select edge cleaning in the APP. After the host automatically recognizes the cleaning area, it performs edge cleaning. After cleaning, the host automatically returns to the base station.

Schedule a cleaning

Use the APP to set the scheduled cleaning time, the host will automatically start cleaning at the specified time, and automatically return to the base station when the cleaning is over.

Tip: If the Do Not Disturb mode is turned on, scheduled cleaning will not be performed during the Do Not Disturb time period.

Virtual Wall/Restricted Area

Use the APP to set up a virtual wall/restricted area to prohibit the host from entering the area that does not need to be cleaned.

Hint:

- Before using this function, you need to save the map in the APP.
- Moving the host or changing the home environment may cause the original map to fail and the virtual wall/restricted area to be lost.

Global cleaning

When the map is not saved, select global cleaning, and the host will clean a square area of $6m \times 6m$ area by area; after saving the map in the APP, select global cleaning, the host will automatically plan a path to clean room by room, and return to the cleaning station after cleaning.

Sleep mode

In the non-charging state, if the host does not run or operate for more than 5 minutes, it will automatically enter the sleep state, and it will automatically shut down if it sleeps for more than 6 hours; in the sleep state, the host can be woken up by pressing the button and control by the APP.

Tip: The host will not go to sleep when it is on the base station.

Reset/restore system

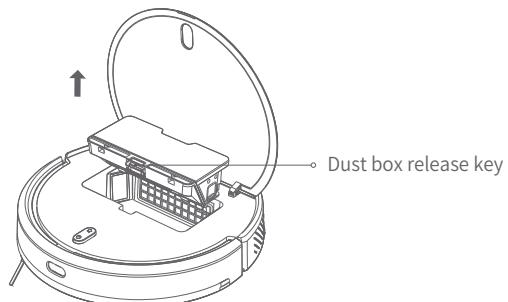
Long press the 5s recharge button, and then long press the 5s recharge button again to restore the factory settings.

Tip: After resetting/restoring the system, the host needs to reconnect to the APP, and the relevant settings in the APP are cleared.

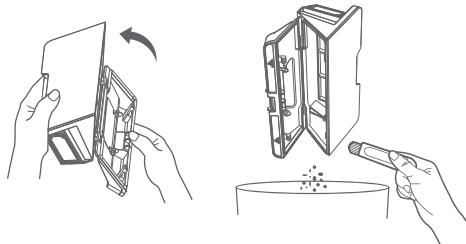
Maintenance and Maintenance

Dust box

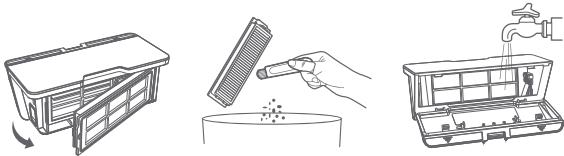
1. Open the cover of the host, press and hold the dust box release button, and take out the dust box.



2. Open the dust box cover according to the figure, dump the garbage, and clean the dust box with a cleaning brush.



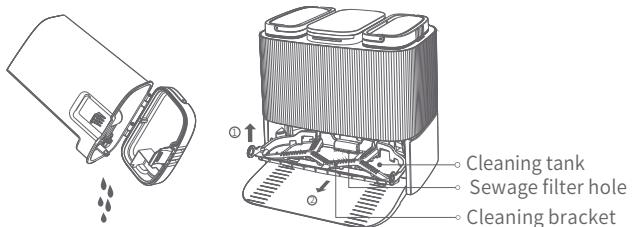
3. Take out the filter as shown in the diagram, clean the filter with a cleaning brush, clean the dust box with water, air dry, and put it back.



Tip: It is recommended to clean the dust box thoroughly at least once a week. Please dry the dust box and filter before using.

Sewage tank/cleaning bracket

Remove the sewage tank and dump the sewage; Hold the holes on both sides of the cleaning bracket with your thumb, first go up, and then pull out to remove the cleaning bracket;



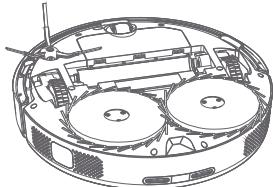
Tips:

1. After mopping the floor, take out and clean the sewage tank, clean the cleaning bracket and cleaning tank in time to avoid odor and mildew.
2. Clean the sewage filter hole regularly to avoid hair and dirt blocking the filter hole.

Maintenance

Main Brush

1. Flip the robot and press the two release keys to remove the main brush cover.
2. Lift the main brush
3. Use the blade of the cleaning brush to cut the hair from the main brush and clean the main brush thoroughly.
4. Install the main brush and the main brush cover back, and press the main brush cover to install in place.



Main brush cleaning method



Cut the hair

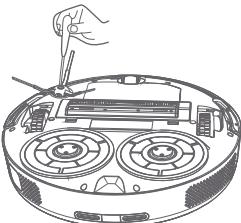


Clean up the dirt

Tip: It is recommended to change the main brush every 6-12 months to ensure the cleaning effect.

Side brush

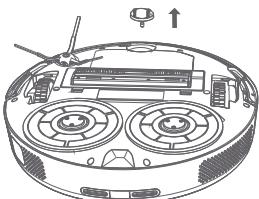
1. Flip the robot and remove the screws that set the brush.
2. Remove and clean the side brush.
3. Reinstall the side brush and tighten the screws.



Tip: It is recommended to change the side brush every 3-6 months to ensure the cleaning effect.

Universal wheel

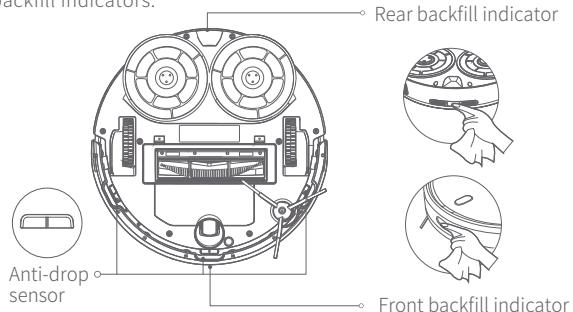
1. Flip the robot and pull out the universal wheel upward.
2. Clean the hair and dirt on the universal wheel.
3. Reinstall the universal wheel.



Maintenance

Anti-drop sensor/front backfill indicator/rear backfill indicator

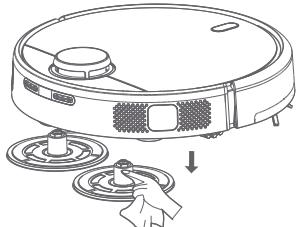
Use a soft dry cloth regularly to clean the anti-drop sensor, front and rear backfill indicators.



Note: Do not use detergent or sprays or other chemicals to clean the anti-drop sensor, front and rear backfill lights.

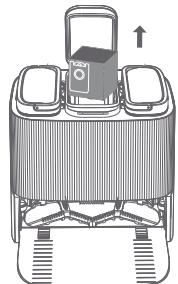
Mop holder

Please use a soft dry cloth regularly to clean the hair and dirt of the mop holder to avoid weakening the magnet suction of the support.



Dust bag

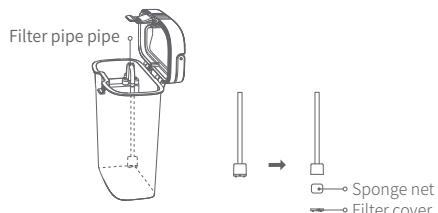
Open the dust collection box top cover, remove dust bag full of garbage and replacement.



Tip: dust bag filled with garbage after change in time, avoid influencing dust next time.

Clean water tank filter pipe

1. Remove the filter pipe from the water tank.
2. Open the filter cover and clean the filter cover and sponge net.
3. Reinstall the filter pipe.



Q&A

Fault phenomenon	Solution
Unable to start	The battery is low, please fully charge it before use
Unable to start cleaning	The battery is low, please fully charge it before use.
cannot be recharged	There are too many obstacles near the base station, please place the base station in an open area. The robot is too far from the base station, please try to place the host near the base station.
Abnormal behavior	Reboot after shutdown.
Abnormal noise when cleaning	The main brush, side brush or left/right wheel may be entangled with foreign objects, please clean it after shutting down.
Decreased cleaning ability or dust loss	The dust box is full, please clean the dust box. The filter is clogged, please clean it. The main brush is entangled by foreign matter, please clean the main brush.
machine offline	The Wi-Fi signal is not good, please make sure the host is in a good Wi-Fi signal coverage area. Wi-Fi connection is abnormal, reset Wi-Fi and download the latest APP to try to connect again.
Unable to continue scanning	Please make sure that the host is not in Do Not Disturb mode, which will not continue scanning. Operation of the host charging key, operation of the APP charging key, or moving the host back to the base station will not break and continue scanning
Can't charge	Make sure that there is enough space around the base station, and that there is no dust or obstructions on the surface of the base station charging shrapnel. The ambient temperature is too low (below 0°C) or too high (above 35°C).
Scheduled cleaning not working	If the device is not connected to the Internet, the time cannot be synchronized, and the scheduled cleaning will not start. Please make sure the main unit is not in Do Not Disturb mode, scheduled cleaning cannot be performed in this mode. Please make sure that the main unit is not in child lock mode, scheduled cleaning cannot be performed in this mode.

Fault phenomenon	Solution
Robot is always offline	Please ensure that the device is successfully networked and is always within Wi-Fi coverage.
Can't connect to APP	Please ensure that the base station and the host are within the Wi-Fi coverage, and the signal is good, reset the Wi-Fi according to the instructions in the manual, and then pair.
Unable to clean mop	The water tank is short of water. Please fill it up. The sewage tank is full. Please pour out and clean it. If the cleaning tank is full, clean the sewage filter holes in the cleaning tank.

Troubleshooting

Fault prompt	Solution	Fault prompt	Solution
Please confirm that the laser ranging sensor is not blocked and then start	The laser ranging sensor is blocked or stuck by a foreign object, request the blocking object or foreign object; if it cannot be removed, please move the host to a new location to start	Virtual wall or restricted area detected, please evacuate the host from this area	The robot is in the virtual wall or restricted area, please move the robot out of this area.
Please wipe the drop sensor and move to a new location to start	The main engine is suspended, please move to a new position to start; The anti-drop sensor is dirty, which may also cause the fault. Wipe the anti-drop sensor to remove the fault.	Please check and remove the collision sensor	The collision sensor is stuck, please tap several times to remove foreign objects; if there are no foreign objects, please move to a new location to start.
Please place the robot on a level ground to start	When the robot is detected to be tilted during startup, please place the host on a level ground to restart; or restart the device after the APP has leveled the device.	Make sure the cleaning bracket is installed	Please clean the cleaning bracket and make sure that the cleaning bracket is installed in place.
Please place the host on the ground to start	The wheels are in the air, please move to a new position to start.	The water tank is empty. Please add fresh water in time	Please check and replenish the water in the tank.
Please clear the obstacles around the host and try again	The console may be stuck or trapped, please clear any obstacles around the console.	The reservoir is full, please clean it immediately and check that the recovery tank is in place	Check and clean the cleaning tank and make sure the sewage tank is installed in place.
Please make sure the dust box is installed	Please replace the dust box and filter, and make sure that the filter and dust box are installed in place.	Recharge failed, please move the host back to the base station	The robot cannot sense the location of the base station, please put the host back to the base station to charge.
Make sure the mop is installed	The main unit cannot perform the sweeping and mopping function, please check and confirm that the mopping cloth has been installed in time	The battery is too low, please recharge	The power is too low, the host cannot start normally, please put the host back to the base station to charge.

Basic Parameters

Fault prompt	Solution
Make sure the dust bag is installed	The base station cannot collect dust, please check and confirm that the dust collection bag is installed in place.
The positioning failed, please move the host back to the base station to charge and rebuild the map	The power is too low, the host can not locate the cleaning area, please put the host back to the base station to charge and rebuild the map.
Failed to build the map, please rebuild the map	During the map building process, do not move the base station and rebuild the map.
The target area cannot be reached, and the cleaning is not completed	The target area is unreachable. Reset the target area.

Host

Product name:	ROBOT VACUUM CLEANER
Product Model:	YM-W3-W03、YM-W3-W01
Main machine size:	φ350×100mm
Rated power:	45W
Rated voltage:	14.4V ---
Charging voltage:	20V ---
Battery capacity:	5200mAh
Net weight of main machine:	3.9kg
Wireless connection:	Wi-Fi IEEE 802.11b/g/n 2.4GHz

Base station

Base station model:	JCB-W3-W03、JCB-W3-W01
Rated input:	220-240V~ 50/60Hz (EU) / 100-125V~ 50/60Hz (US)
Rated output:	20V --- 1.8A
Base station size:	410x428x421mm

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.

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

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in fixed/mobile (min20cm) exposure condition without restriction.