Robot Vacuum with Automatic Dirt Disposal

The user manual is applicable to: Alpha 2 Lite



CONTENTS

Viomi Alpha 2 Lite User Manual 01

Viomi Alpha 2 Lite Bedienungsanleitung 17

Manuel d’ Utilisateur de Viomi Alpha 2 Lite 33

Инструкция по эксплуатации Viomi Alpha 2 Lite 49

Viomi Alpha 2 Lite Instrukcja Użytkowania 65

Manual de usuario de Viomi Alpha 2 Lite 81

Viomi Alpha 2 Lite Manuale Utente 113

Viomi Alpha 2 Lite Kullanım Kılavuzu 129

SAFETY INFORMATION

1. Instructions for use

Please pay attention to the following basic safety precautions before using
the product:

- Read the user manual carefully and follow the instructions in the user manual when using the product.
- Keep the user manual well for future reference.
- If you need to transfer the product to a third party, please attach the user manual along with the product.
- Any operation not in conformity to the instructions in the user manual may result in serious personal injury or damage to the product itself.

⚠ Warning: Instructions against incorrect product use that may lead to death or serious injury.

⚠ Caution: Instructions against incorrect product use that may lead to minor injury or product damage.

Read operator’s manual

This product should not be disposed of with normal waste. It must be recycled.

2. Safety precautions

⚠ Warning

- This product can only use the automatic dirt disposal and batteries that are provided with this product. Failure to do so may result in damage to the product, electrical shock, or fire caused by high voltage.
- Do not use this product if the product and accessories of this product are found to be damaged. Contact our after-sales service department. Except for the service technicians designated or authorized by our company, no one may disassemble, repair or modify this product.
- Unplug the product before maintenance.
- Do not touch the power plug or the product when your hands are wet, as this may result in electrical shock.
- If the power cord is damaged, it must be replaced by the manufacturer, its service department or a similar professional to avoid danger.
- To prevent the product from falling accidentally, do not use this product in a suspended place without a protective fence, which may result in personal injury.
- The user shall not replace the batteries privately.
- Prevent clothing or any part of your body (hair, fingers, etc.) from getting caught in the brush or wheel of the vacuum cleaner. Failure to do so may result in personal injury.
- Do not place the product near fire or flammable/explosive/corrosive materials.
- If the user manual is missing, please contact your local dealer or call the after-sales service department to obtain an electronic user manual.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

⚠ Caution

- This appliance contains batteries that are only replaceable by skilled persons.
- For the purposes of recharging the battery, only use with the automatic dirt disposal provided with this appliance.
- Check whether there are cigarette butts, matches and other inflammable and explosive items in the room. If there is one will need to manually clean up yourself before use of the product. Flammable items inhaled robot, the body in the use of the process will heat damage product.
- Clean edge brushes and rollers regularly, clean the dust box regularly, clean the filter regularly.
- The appliance must be disconnected from the supply mains when removing the battery.

SAFETY INFORMATION

- The battery is to be disposed of safely.
- The product is only intended to clean floors in a home environment. Please do not use it outdoors such as on an open balcony or on a surface that is not a floor like a sofa, or in a commercial or industrial setting.
- Prevent the suction of water, oil or other liquids, which may damage the product.
- Please make sufficient preparations before starting the product to prevent the noise from causing harm to people or animals.
- Arrange scattered wires on the floor before use for fear of affecting the normal operation of the product.
- Remove fragile objects before use.
- The charging dock shall be placed against the wall and on a flat floor for fear of affecting product functionality.
- Unplug the automatic dirt disposal if it remains unused for a long time.
- When the product is working, removal of the automatic dirt disposal will affect the normal recharging of the machine.
- Do not use the product to suck in sharp objects (e.g. shattered glass and nails) for fear of damage to the product.
- Do not use the product at an ambient temperature above 40°C or below 0°C or in a wet, flammable, explosive or corrosive environment.
- Do not charge at an ambient temperature above 35°C or below 0°C.
- Do not pick up the product by its laser radar cover.
- Make sure the product is turned off and the automatic dirt disposal is unplugged before cleaning or performing maintenance.
- Do not place children, pets, or any item on top of the product while it is stationary or moving.
- Do not spray any liquid into the product(make sure the dust compartment is thoroughly dry before its reinstalling).
- Do not place the product upside down (laser radar housing should never touch the ground).
- Only use this product as directed in the user manual or quick start guide. Users are responsible for any loss or damage arising from improper use of this product.

3. About child safety

⚠

- Children shall not play with the product.
- Please keep the main brush cleaning tools out of reach of children.
- This product can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Cleaning and user maintenance shall not be made by children without supervision.

4. About the batteries

⚠

- This product contains a lithium-ion battery pack.
- Do not expose the appliance or battery to excessive temperatures.
- Be aware of the risk of terminals of the battery-operated appliance or battery being short-circuited by metal objects.
- Before disposing of the appliance, the battery must be taken out of the appliance. Take-out steps:
  A. Take off the side brush. Use a screwdriver to loosen the screws of and the base decorative plate.
  B. Remove the base trim panel.
  C. Take out the battery and unplug the connection line between the battery and the host.
- The batteries shall be removed when the product is discarded.
- If you need to replace the battery of the host machine, please contact our after-sales service department. Use of wrong batteries may cause a safety accident.
- If the batteries leak, prevent the contact of the liquid with the skin or clothing. Immediately wipe it with a dry cloth and send it to the recycling station or designated maintenance point. Do not discard it.

SAFETY INFORMATION

- Please properly dispose of the old batteries of the product. The batteries contain hazardous substances harmful to the environment. Please follow the local environmental regulations and send them to the designated recycling site.

5. Scope of use of the product

The product is suitable for the following floors:
Wooden floor, Ceramic tile and Short-staple carpet.

6. Disclaimers

Under any of the following circumstances, the product will be excluded from the scope of free warranty, but paid repair can be provided:
A. Damage due to the user’s failure to operate the product in strict accordance with our user manual or due to improper storage;
B. The machine or parts have exceeded the free warranty period;
C. Damage due to disassembly by those other than the mainte nance personnel of our company or authorized by our company;
D. A valid purchase voucher number cannot be provided;
E. Damage caused by irresistible factors such as natural disasters;
F. Product failure or damage caused by unexpected factors or man-made causes (including operational errors, liquid ingress, improper plugging/unplugging, scratching, handling, bumping, input of inappropriate voltage, etc.)

Maintenance Tips

1.Only the maintenance personnel who have received professional training and obtained the qualification for sweeper maintenance may carry out maintenance on the sweeper.
2.Other personnel are not allowed to repair the sweeper without permission to avoid serious consequences.
3.When your sweeper malfunctions, please refer to the Common Fault Analysis and Troubleshooting before contacting the customer service.
4.If you fail to eliminate the faults, please unplug the electrical plug to power off, and contact us.
5.Please carefully read this user manual to ensure the correct and safe use of the product.

Environmental Impact Statement to Users

1.Only the maintenance personnel who have received professional training and obtained the qualification for sweeper maintenance may carry out maintenance on the sweeper.
2.Other personnel are not allowed to repair the sweeper without permission to avoid serious consequences.
3.When your sweeper malfunctions, please refer to the Common Fault Analysis and Troubleshooting before contacting the customer service.
4.If you fail to eliminate the faults, please unplug the electrical plug to power off, and contact us.
5.Please carefully read this user manual to ensure the correct and safe use of the product.

- Please carefully read this Manual before use, to ensure the correct and safe use of the product.
- This product is provided an adapter that is only available for use at altitudes below 2,000 m

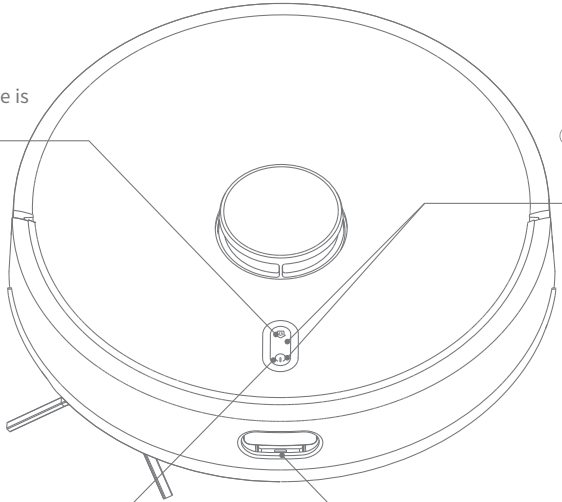
PRODUCT INTRODUCTION

Intelligent recharge

- Short press to start the intelligent recharge
- The orange light is always on, and the recharge is in progress/the battery level is low

Turning on/off/planning the cleaning

- Short press to start/pause the cleaning
- Long press for 3 s to turn on/off
- The blue light is always on, and the Wi-Fi is connected/working normally/standby
- Blue light flashing, starting/charging
- Blue light flashing, firmware upgrade/factory reset
- Blue light flashing slowly, network connection
- The orange light is always on and the battery is low
- Red light flashing quickly, abnormal
- Off, power off/sleep



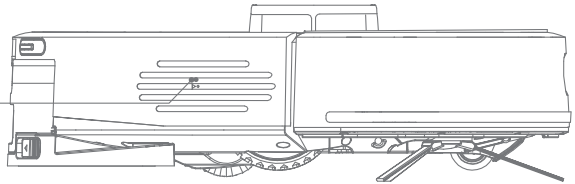
Network configuration

After power-on, press and hold the and keys simultaneously for 5s to broadcast the "WIFI reset" voice and release it to enter the network connection.

Infrared receiving sensor

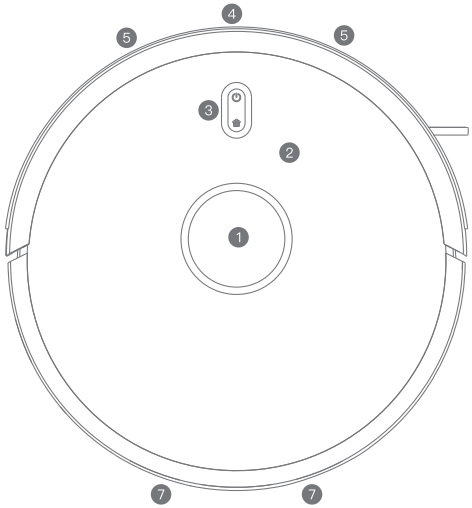
Reset key: Forced power-off button

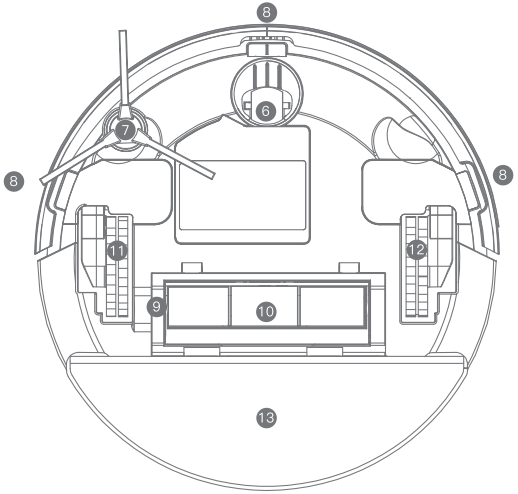
Short press (less than 3 s) to power off



PRODUCT INTRODUCTION

Vacuum-mop and sensor

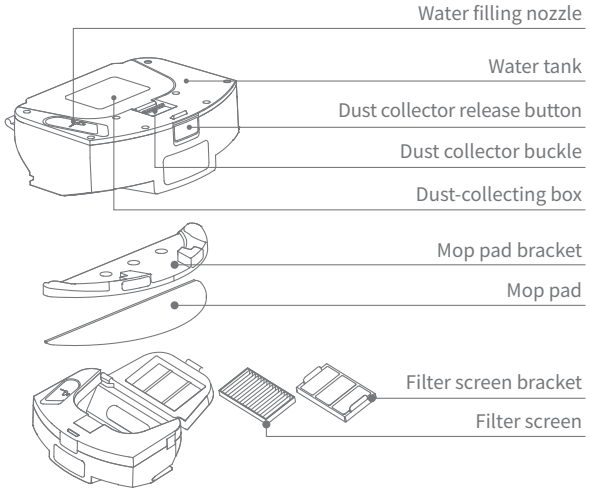




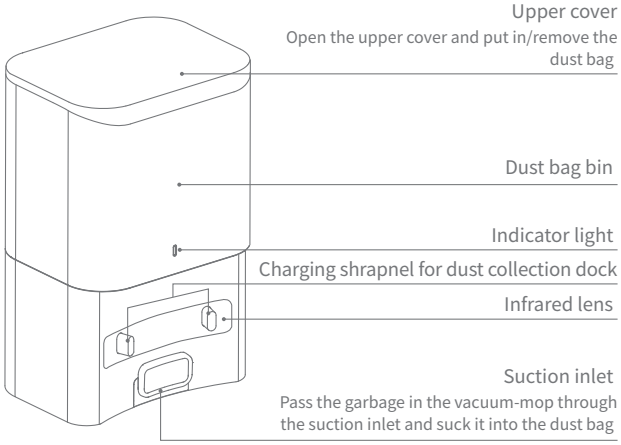
① LiDAR	④ Infrared receiving sensor	⑦ Side brush	⑩ Roller brush	⑬ Two-in-one water tank
② Cover	⑤ Collision sensor	⑧ Cliff sensor	⑪ Left wheel	
③ Button	⑥ Universal wheel	⑨ Roller brush cover	⑫ Right wheel	

PRODUCT INTRODUCTION

Two-in-one water tank



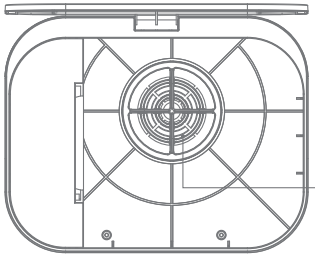
Dust collection dock (two-in-one dust collection and charging)

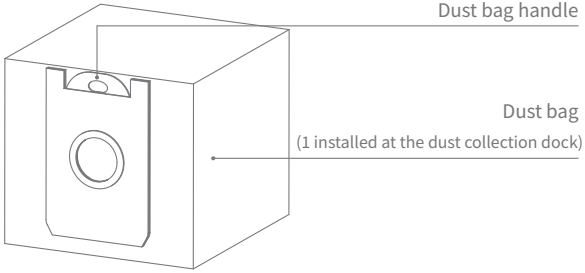


Description of status of the dust collection charging stand indicator light

Indicator light	Orange	White	Off
Notes	The dust bag is full of dust or is not installed correctly; the orange light is always on	The white light is always on when the power is turned on	Off when charging or removing power from the vacuum-mop
Remarks	*When the dust collection dock malfunctions, the orange light is always on		

PRODUCT INTRODUCTION



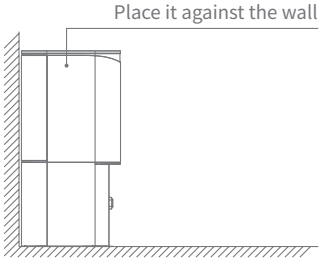


Prompt: The dust bag is consumable and cannot be recycled; please replace it on a regular basis

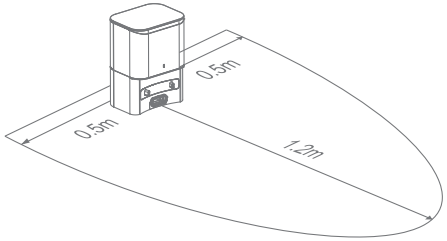
INSTALLATION INSTRUCTIONS

Install the dust collection dock

1.Place the dust collection dock against the wall on a flat ground, insert the power head into a socket that meets the requirements, and connect the power supply.



2.Ensure that there are no obstacles within 1.2 m in front of the dust collection dock and 0.5 m on both sides.



INSTRUCTIONS FOR USE

1. On/off

Long press the " ⏻ " butt on for 3 s to turn on: The power indicator light slowly flashes blue for 4 s until the blue light is always on, and the sweep and drag integrated robot enters the standby mode.

When the sweep and drag integrated robot is stationary, long press the " ⏻ " button for 3 s to turn off the power indicator light. If the sweep and drag integrated robot is stationary and is out of service for more than 10 min, it will enter the sleep mode; in the sleep mode, short press any button to wake up the machine.

Prompt: During the charging, the sweep and drag integrated robot cannot be powered off and will not enter the sleep mode.

2.Cleanup

When turned on, short press the " ⏻ " button with the voice prompt "Start cleaning".

During the cleaning process, short press the " ⏻ " button to pause the sweep and drag integrated robot.

Prompt: When the battery level is too low, the cleaning function cannot be activated.

3.Automatic recharge/manual recharge

After the cleaning is completed, the voice prompt "Cleanup has ended, returning to the dock to charge" will be given, and the robot will automatically return to the dock to charge. When the battery level is low during the cleaning, the sweep and drag integrated robot will automatically return to the dock to charge.

4.Add water to the water tank or clean the mop pad midway

Short press the " ⏻ " button to pause the sweep and drag integrated robot; remove the two-in-one water tank, add water or clean the mop pad, reinstall it, and short press the button again to continue working or mopping the floor.

5. Network connection and firmware upgrade

Scan the QR code to download the APP and reset Wi-Fi according to the instructions on the mobile APP (refer to "How to bind the Wi-Fi" on Page 6 for details). Through the APP device, you can directly query and update the device firmware; when updating, please ensure that the vacuum-mop is in the charging mode and the battery level is not less than 30%. Please refer to the instructions in the APP for the update steps.

After successful download, follow the APP prompts to connect the network; after the vacuum-mop is connected to the network, the APP can be used to remotely enable clean-up and scheduled cleanup.

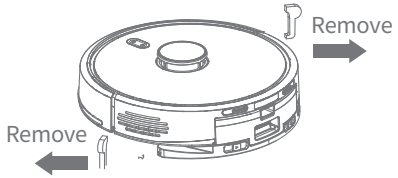
6. Fault state

When the sweep and drag integrated robot is abnormal, a voice prompt will be issued and the power indicator light will flash red quickly; please refer to "Troubleshooting" for the solution.

If there is no operation for 10 min in the fault state, the sweep and drag integrated robot will automatically sleep.

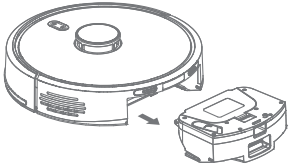
Use

1.Place the robot on a flat indoor floor and remove the limit strip protection devices at both ends of the front bumper.

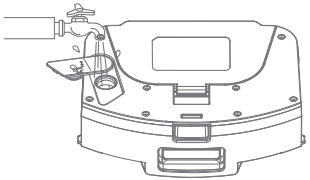


INSTRUCTIONS FOR USE

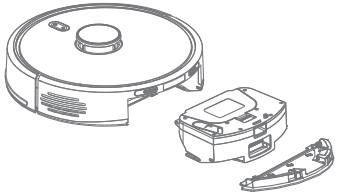
2.Press the dust collector release button and remove the two-in-one water tank. When using the two-in-one water tank for the first time, there may be a very small amount of water inside, which is residual during the production testing and is normal; please feel free to use it.



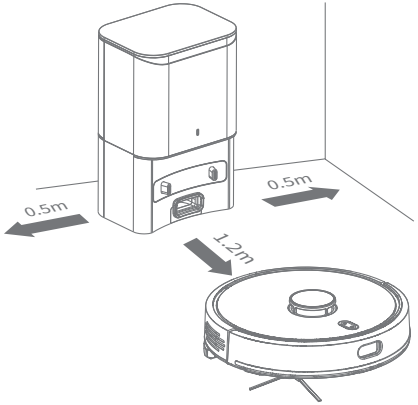
3.Fill the water tank with clean water.



4.Install the two-in-one water tank/mop pad bracket into the vacuum-mop in sequence.



5.Long press the " ⏻ " button for 3 s to turn on the robot, and short press the " ⌂ " button to automatically return to the dock to charge the sweeping robot; after full charging, it will be ready for work.



Cautions:

1.After the sweeper has been working for more than 1 min, it will return to the dust collection dock and start automatic dust collection to clean the garbage in the dust collector.

2.When the battery level is low, it may not turn on; please fully charge the sweeping robot first.

3.When the battery level is low during the cleaning process, the sweeping robot will automatically return to the dust collection dock for charging; when the battery is sufficient, it will automatically return to the interrupted point to continue cleaning.

HOW TO CONNECT TO WI-FI

Connect to Mi Home App

This product works with Mi Home app. Control your device, and interact it and other smart home devices with Mi Home app.

Notes:
As Mi Home App is subject to improvement and update from time to time, the actual operations may vary from what is described above. Please perform your operations by following the instructions in current Mi Home App.

Attention:
"works with Mijia" validates in software level only. MIUI and Mi Home is not responsible for the enterprise and its production,standard implementation, quality supervision and other aspects of the product.

Scan the QR code to download and install the app. You will be directed to the connection setup page if the app is installed already. Or search "Mi Home" in the app Store to download and install it. Open the app, tap"+" on the upper right, and then follow prompts to add your device.

Connect power supply

Connect power plug to the socket.

Download the App

Search for "Mi Home" in app store; or scan the QR code to download and install the app.

Bind Android-based cell phone to Wi-Fi

Tap the available product, and tap "connect" to proceed. Just follow the tips.

Bind iOS-based cell phone to Wi-Fi

Select robot's hotspot in Wi-Fi settings of your phone, and wait for connection; Return to the App, tap "next" and follow the tips to finish connection.

Notes: Please refer to How to Reset Wi-Fi when your phone is unable to connect Viomi vacuum (as following); Please connect to Wi-Fi for optimal user experience.

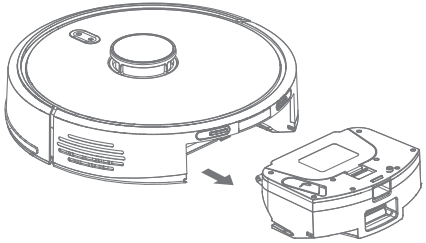
Resetting Wi-Fi

When your router is replaced or Wi-Fi password is changed, you have to reset Wi-Fi settings by holding both ⏻ and ⌂ keys for 5 seconds till the Wi-Fi indicator light flashes in blue color and a voice prompt is given, indicating that the Wi-Fi settings are reset successfully.

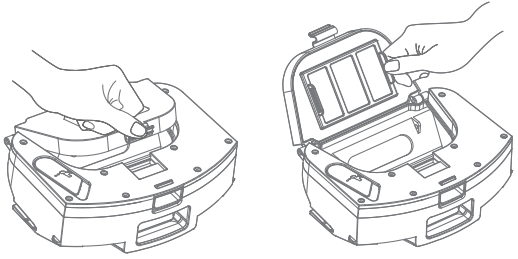
DAILY MAINTENANCE

Clean the two-in-one water tank

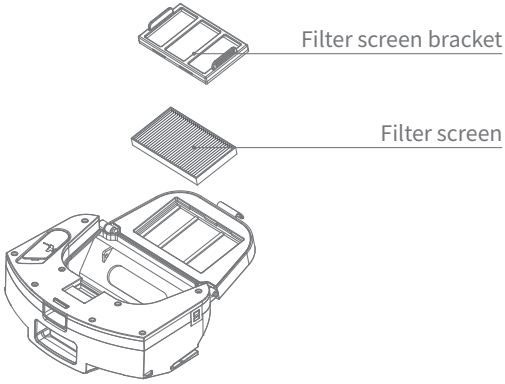
1.Press and hold the release button of the two-in-one water tank, and simultaneously pull out the two-in-one water tank outward.



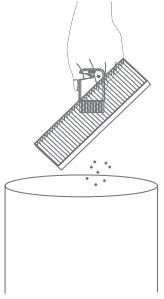
2.Buckle the two-in-one dust compartment with water tank and dust collector and remove the filter screen bracket.



3.Take out the filter screen.

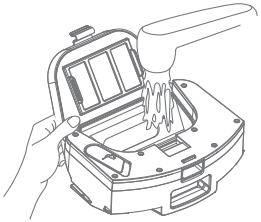


4.Clean the filter screen and the debris on the filter screen with a cleaning brush.

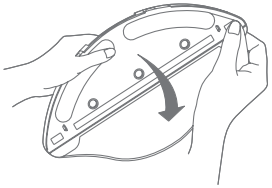


DAILY MAINTENANCE

5.Fill the two-in-one water tank with clean water, close the two-in-one water tank, shake the two-in-one water tank left and right, pour out the dirty water, and repeat several times until the two-in-one water tank is clean.



6.Flip the two-in-one water tank over, remove the mop pad bracket, change the mop pad, or clean it.



Prompt:

1.If the mop pad is too dirty, it will affect the mopping effect; please clean it promptly.

2.Always remove the mop pad for cleaning and wring it for installation and use; it is not allowed to install it on the two-in-one water tank for cleaning, otherwise it may easily damage the two-in-one water tank.

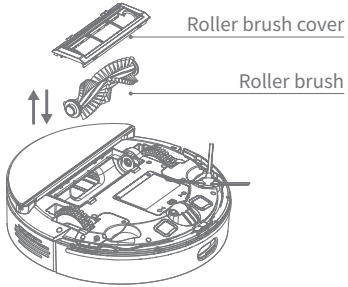
3.It is recommended to replace the mop pad every 6-12 months to ensure the cleaning effect.

Clean the roller brush

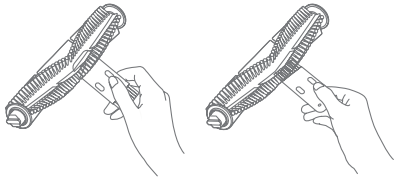
1.The main brush is consumable and shall be cleaned weekly. It is recommended to replace main brush every 6-12 months to ensure proper cleaning performance.Turn cleaner over, remove main brush cover and the brush by pressing the clamp on the cover.

Note:

Avoid collision when turning it over to avoid damage to laser radar.



2.Cut off the tangled hair on the roller brush with a cleaning knife, and clean the hair with a cleaning knife on the other end of the cleaning knife.

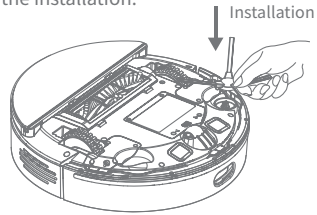


3.Install the roller brush and roller brush cover, and press the buckle tightly.

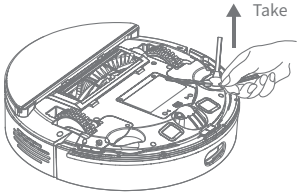
DAILY MAINTENANCE

Clean/replace the side brush

1.Install the side brush, snap it into the slot and hear a "click" sound to complete the installation.



2.To clean or install a new side brush, remove it by hand and reinstall it.

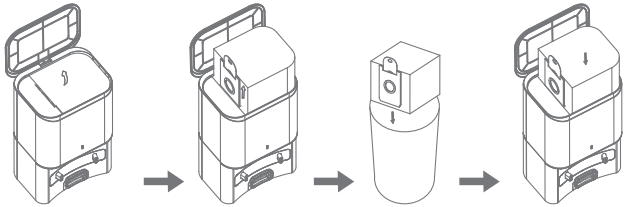


Prompt:

It is recommended to replace the side brush within 3-6 months to ensure the cleaning effect.

Replace the dust bag

1.When the dust bag is full, the orange light at the dust collection dock is always on, or the APP gives a notice, please replace the dust bag in a timely manner; when the white light is always on, the dust bag is always on.



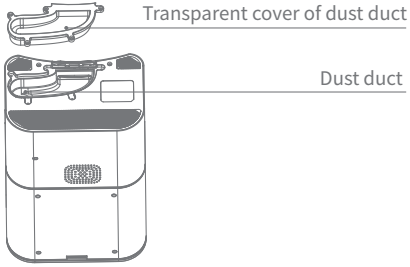
Open the upper cover. | Pull up on the dust bag handle and remove the dust bag. | Throw away the old dust bag. | Install a new dust bag and cover it with the upper cover.

Dust duct cleaning

1.After replacing the dust bag, the orange light of the dust collection dock is always on; it is recommended to pull the plug off; reverse the dust collection charging dock and check the foreign matter in the dust duct. If the dust duct is blocked, refer to the figure below and use a screwdriver to remove the transparent cover of the dust duct to clean out the foreign matters.

Cautions:

Rough disassembling is prohibited. Install it as it is after cleaning.

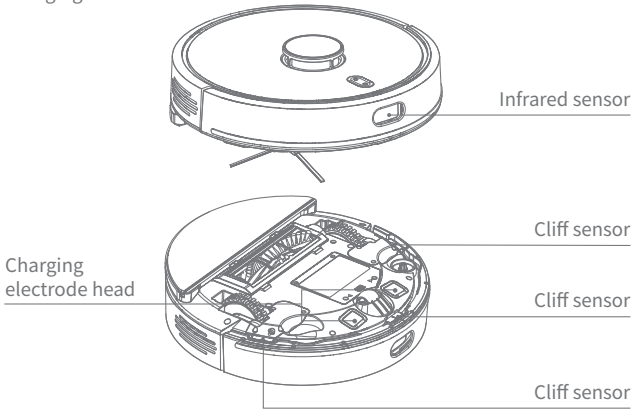


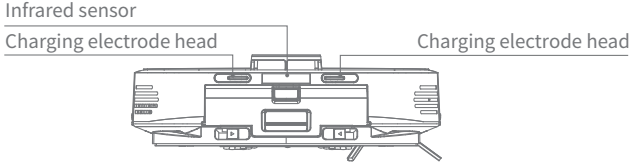
DAILY MAINTENANCE

Clean the sensor

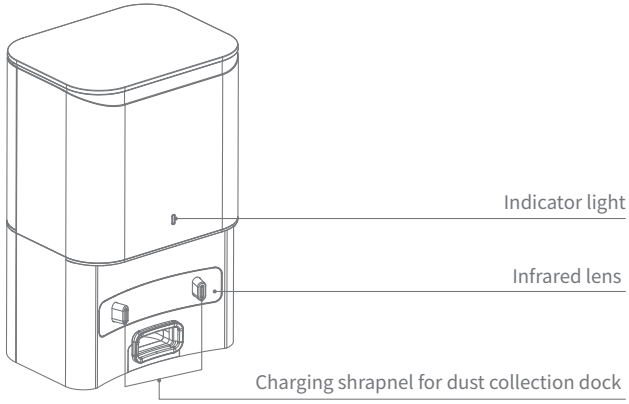
1.It is recommended to gently wipe each sensor with a clean and soft dry cloth every week to ensure the normal use of the machine.

Sweep and drag integrated robot:
Cliff sensor×3
Infrared sensor×2
Charging electrode head×4





Dust collection charging dock:
Indicator light ×1
Infrared lens ×1
Charging shrapnel for dust collection dock ×2



Battery Maintenance

1.The sweep and drag integrated robot is equipped with a high-performance rechargeable lithium-ion battery pack; to maintain battery performance, please maintain the charging state on a daily basis.

2.If it is out of service for a long time, please power off and store it, and charge it at least once a month to avoid any damage to the battery due to excessive discharge.

BASIC PARAMETERS

Vacuum-mop

Product name	Robot Vacuum with Automatic Dirt Disposal
Product model	V-RVCLMD40D
Product size	ϕ325mm×325mm x 95mm
Rated voltage	14.4V ⎓
Rated power	32W
Battery capacity	3200mAh
Wireless connection	Wi-Fi IEEE 802.11b/g/n 2.4GHz

This equipment contains a model approval code CMIIT ID:2022DP5924(M) radio transmission module

Dust collection dock

Product model	V-RVCLMD40D-JC
Rated power	925W
Rated input	220-240V~50/60Hz
Rated output	19V ⎓ 0.6A
Rated frequency	50/60Hz
Outline dimension	213×166×335mm

This product's LiDAR complies with the Class 1 laser safety standards of IEC 60825-1:2014 and will not cause any dangerous laser radiation to the human body.

TROUBLE SHOOTING

Fault Prompt	Solution
Error #1. Make sure the laser ranging sensor is not blocked.	Check for or remove any foreign matter around laser radar, or relocate the robot and restart it.
Error #2. Clean cliff sensor and relocate the robot.	Clean the cliff sensor and try again (for more details refer to the user manual).
Error #3. A strong magnetic field is detected. Relocate the robot and try again.	Relocate the robot and try again.
Error #4. Check collision sensor and remove any foreign object on it.	Try to press the bumper strip and remove any foreign matter, and then restart the robot.
Error#5. The robot is at abnormal temperature. Stop operating till normal temperature is recovered.	The robot is in too high or low temperature. Stop operating till normal temperature is recovered.
Error #6. Charging fails. Please clean charging contact	Check the adapter, or check whether the automatic dirt disposal is at horizontal position. Switch off the robot and the automatic dirt disposal, clean their metal contacts.

FAQ

Problem	Solution
Fails to start up	Low battery. Please go to dirt disposal for recharging before use. Ambient temperature too low (lower than 0°C) or too high (higher than 50°C)
Fails to start sweeping	Low battery. Please go to dirt disposal for recharging before use
Fails to recharge	There are too many obstacles near the dirt disposal. Please put the dirt disposal in an open area. Main machine is too far from the automatic dirt disposal. Please put it near the automatic dirt disposal and try again.
The machine operates improperly.	Power it off and than power it on again.
Cleaning operation is noisy.	Main brush, side brush or left/right caster is damaged by foreign object Power off the machine and remove the foreign object
Cleaning performance deteriorates or dust drops.	The automatic dirt disposal is full of dust. Please empty the collector. Filter component is blocked. Please clean it Main brush is damaged by any foreign object. Please clean the main brush.
Wi-Fi connection is unavailable.	Weak Wi-Fi signals. Make sure the robot is in proper coverage of Wi-Fi signals. Wi-Fi connection fails. Reset Wi-Fi connection and download the latest App and try again.
Robot is always offline.	Make sure the machine is connected to network successfully, and always within coverage of Wi-Fi.

Problem	Solution
Breakpoint resume.	Make sure non-disturbance mode is not activated, which will disable proceeding at breakout point Proceeding at breakout point is unavailable when the machine is being charged.
Robot fails to return to charging dock after fixed point cleaning or being repositioned.	As the robot will re-generate a map after fixed-point cleaning or being repositioned by a long distance, it may fail to locate charging dock for charging. In such case, place the machine onto charging dock manually.
Charging fails.	Make sure there is sufficient spaces around charging dock, and there is no dust or blockage on the surface of electrode of charging dock.
Scheduled cleaning fails.	Make sure the machine has been connected to the network, as disconnection from network will fail sync and scheduled cleaning task.
Robot fails to be paired with cell phone.	Make sure both charging dock and main machine are within coverage of Wi-Fi and good signals, and then reset Wi-Fi connection for pairing by following the instructions in the manual.