VIOMI

Viomi Robot Vacuum S9 UV−Automatic Dirt Disposal User Manual

Please read this manual carefully before use and keep it properly.

This product shall be operated only in location at altitude below 2,000 meters.

Please read this manual carefully to ensure proper and safe use of the product.

RoHS   CE   ♲

Considerations

Operation Restrictions

• This product shall be used only for cleaning of ground surface in residential house, but not for outdoors, other surface (e.g. couch) or commercial or industrial environment.
• Do not use this product in environment without guardrail, such as duplex, open balcony, and top of furniture.
• Do not use this product in temperature higher than 40℃ or lower than 0℃ or on ground surface with any liquid or viscous ma er.
• Before operating this product, handle any wire/cable on ground surface to avoid it being wound by main machine.
• Remove any fragile article and sundries on ground surface, such as vase or plastic bag, to avoid it from being impacted and damaged by main machine.
• Do not allow any person with physical, mental or sensual disorder (including children) to use or operate this product.
• Do not allow children to play the main machine. Keep children or pet staying away from the main machine during operation.
• Do not place any object or sit on the main machine which is stationary or in movement.
• Do not use this product to clean any object which is burning (e.g. burning cigare e end).
• Do not use this product for cleaning of carpet.
• Do not use this product to suck up any hard or sharp object, such as scrap, glass, and iron nail.
• Do not handle this product by the protective cover of laser radar as handle.
Be sure to clean main machine and charging dock only when this product is power-o or the power supply is disconnected.
• Do not splash any liquid into this product, except the automatic dirt disposal, which can be cleaned.
• Do not put main machine upside down, and do not place laser radar on the ground.
• Do not use the vacuum-mop to clean the carpet.
• Use this product by following the instructions or quick start guide. User shall be responsible for any loss or injury resulting from improper use.
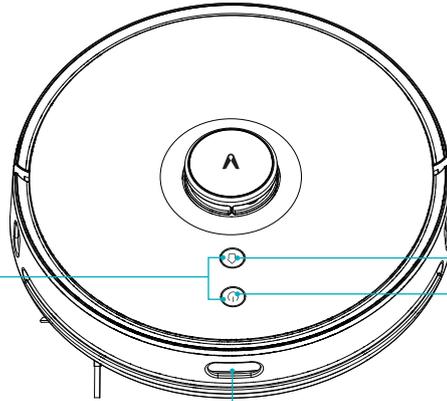
Ba ery and Charging

• Do not use any third-party ba ery, power adapter and charging dock.
• Do not use any non-rechargeable ba ery.
• Do not dismantle, repair, refit the ba ery or charging dock.
• Do not place charging dock close to any heat source, for example, heating radiator, nor use wet cloth or liquid to clean any part of this product.
• Do not throw any waste ba ery randomly. It is recommended to have any specialist agency dispose it.
• To transport this product, be sure to power it o and use the original packaging box to provide protection for it.
• If this product is to be idle for a long time, charge the ba ery to full level and store it at dry and cool location. Recharge it at least monthly to avoid damage to ba ery.
• Use a proper tool to remove the ba ery. First remove the screw on the bo om cover, and then remove the cover, unplug the ba ery connecting terminal and take the ba ery out. Before disposing the robot, you have to take the ba ery out of it. When removing the ba ery, the robot must be powered o .

This product is in compliance with Class-1 laser safety standard under IEC60825-1:2014, and will not generate laser radiation hazardous to human.

Product Introduction

⌒ Smart recharging
- Short press the bu on to start smart recharging.
  The LED indicator keeps flash slowly in yellow color, indicating recharging/ low ba ery level.
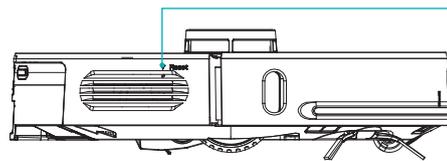 Flicker in yellow color, indicating recharging.

⏻ Power on/o Global sweeping
- Short press the bu on to start/cease sweeping.
- Long press the bu on for 3 seconds to power on/o .
- The light is constantly on in blue color, indicating successful connection/normal operation/standby state.
  Flicker in blue color, indicating power-on.
  Flash slowly in blue color, indicating firmware upgrade/recovery to factory se ing.
  Flash fast in blue color, indicating network configuration.
  Flicker in red color, indicating low ba ery level.
  Flash fast in red color, indicating fault in operation.
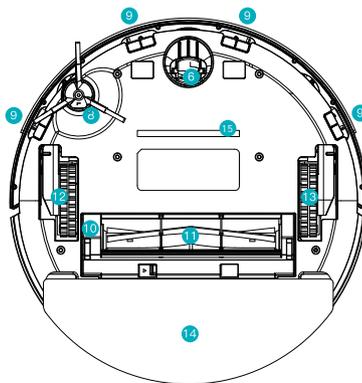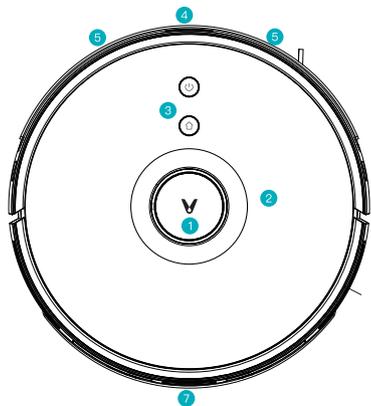 The LED indicator goes out, indicating power-o /sleep.

Network Configuration
- When the robot is power-on, simultaneously press down and hold ⏻ and ⌂ keys for 5 seconds till a voice prompt is given, and then release them to activate network configuration.
  When the robot is power-on, simultaneously press down and hold ⏻ and ⌂ keys for 10 seconds till a voice prompt is given, and keep holding the keys for 10 seconds to finish recovery to factory se ings.

IR sensor

Reset bu on: for forcible shutdown.
- Short press (for less than 3 seconds) to switch o .

Main machine and sensor

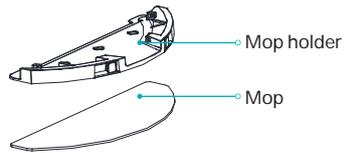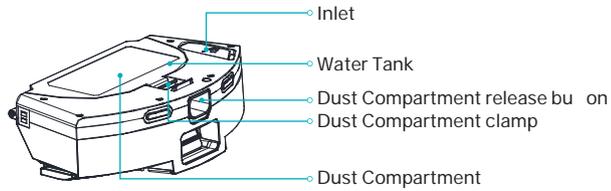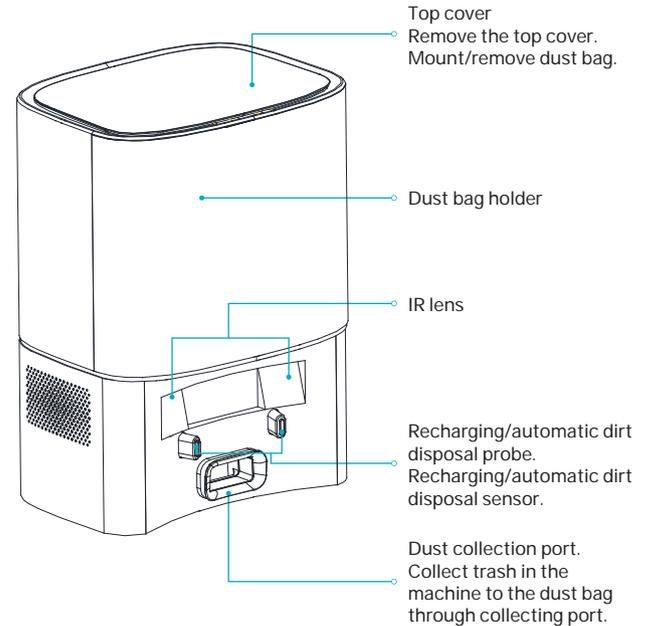|			
①	Laser radar	⑨	Cli sensor
②	Surface cover	⑩	Main brush cover
③	Bu on	⑪	Rolling brush
④	IR sensor	⑫	Le caster
⑤	Collision sensor	⑬	Right caster
⑥	Universal caster	⑭	Integrated automatic dirt disposal/water tank
⑦	Charging electrode	⑮	UV Light .
⑧	Side brush		

2-in-1 Dust Compartment with Water Tank

Inlet

Water Tank

Dust Compartment release bu on
Dust Compartment clamp

Dust Compartment

Mop holder

Mop

Filter screen clamp

Filter screen

Automatic dirt disposal (Two-in-one for dust collection and charging)

Top cover
Remove the top cover.
Mount/remove dust bag.

Dust bag holder

IR lens

Recharging/automatic dirt disposal probe.
Recharging/automatic dirt disposal sensor.

Dust collection port.
Collect trash in the machine to the dust bag through collecting port.

Blower filter

Dust bag handle

Dust bag

Dust bag (include a automatic dirt disposal).
Note: Bust bag is consumable and shall not be re-used.
Replace it regularly.

Instructions on Installation

1.Install the automatic dirt disposal

(1) Place automatic dirt disposal on flat floor near wall, and connect the plug to a approved socket and switch power supply on.

Place it near wall

(2) Make sure there is no obstacle within 1.2 m in front and 0.5 m at both sides of it.

0.5m

0.5m

1.2m

Operation Instructions

1.Switch on/o

Long press power bu on (⏻) for 3 seconds to switch machine on/o .
Power LED indicator flashes slowly for 4 seconds and then lights on
constantly in blue color, and the cleaner in standby. Upon start-up there
is a tone for prompt.
When cleaner stays still, long press the power bu on (⏻) for 3 seconds
to switch it o .
The power LED goes out, and a voice prompt is given.
Cleaner will sleep if being idle for more than 20 minutes. In sleep status,
shorting press any bu on will wake it up.
Tips: During recharging, the robot cannot be switched o or sleep.

2.Sweeping

In power-on status, short press the (⏻) bu on with voice prompt "start
global cleaning".
During cleaning, short press the (⏻) bu on to cease sweeping.
Tips: At low ba ery level, sweeping function cannot be started.

3.Automatic/manual recharging

Upon end of sweeping, a voice prompt "cleaning finished and recharging
started" is given, and the vacuum-mop starts recharging.
In case of low ba ery level during sweeping, the vacuum-mop will start
recharging automatically.

4.Refilling tank or cleaning mop half-way

Short press (⏻) bu on to pause the vacuum-mop; remove mopping
module, refill the tank or clean the mop; re-mount the mopping module
and short press the bu on again to resume sweeping.

5.Network configuration and firmware update

Download App by scanning the QR code on the machine and reset WiFi
by following the tips on APP.
You can query or update the firmware on App. During update make sure
the machine is being charged with ba ery level not below 60%. For more
details refer to instruction in the App.
A er downloading, configure network by following tips on APP. A er
connecting the machine to network, you can start sweeping or
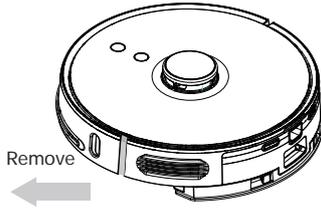scheduled cleaning remotely on App.

6.Fault

In case of fault in the vacuum-mop, audible and visual alarms will be
given with power LED indicator flashing in red. For more details refer to
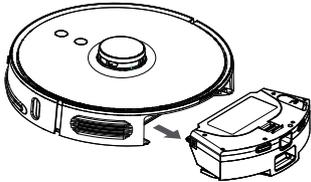Trouble Shooting.
The vacuum-mop will sleep automatically when being idle for 10 minutes
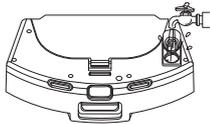in case of fault.

Operation Instructions

(1) Place the vacuum-mop on flat floor indoors.
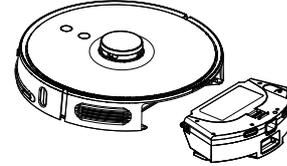Remove the limit protector at both sides of bumper.

Remove

(2) Press the Dust Compartment release buon to remove the 2-in-1 Dust Compartment with Water Tank.
For the initial use, there may be a very lile water in the tank, which is residual test sample and at normal condition, and you can use it at ease.
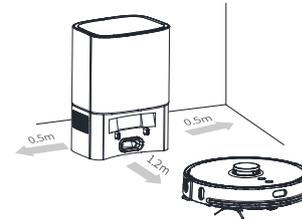
(3) Soak the mop with water and aach it to magic tape band and tighten it.
Inject water through the inlet, and tighten the cover.

(4) Mount the 2-in-1 Dust Compartment with Water Tank into the machine.

(5) Long press buon for 3 seconds to switch the vacuum-mop on, and then short press buon to recharge it. The vacuum-mop will be ready for operation when recharged fully.

0.5m   0.5m   1.2m

Note:
1.The robot will return to automatic dirt disposal base aer operating for more than 1 Minute, and start clear-up process automatically. During dust collection a arrow flashes in green color on the screen.
2.The robot cannot be switched on in case of low baery level. In such case, first recharge it.
3.In case of low baer level during sweeping, the robot will go to charging dock for recharging automatically, and then return to the interruption point to resume sweeping.

How to connect to Wi-Fi

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

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/Xiaomi Home" in the app Store to download and install it.

Open Mi Home/Xiaomi Home app, tap "+" on the upper right, and then follow prompts to add your device.
* The app is referred to as Xiaomi Home app in Europe (except for Russia). The name of the app displayed on your device should be taken as the default.
Note:
The version of the app might have been updated, please follow the instructions based on the current app version.
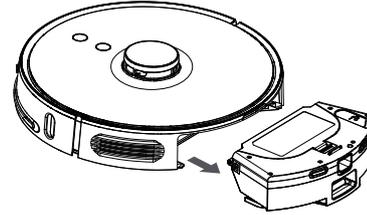
Reseing Wi-Fi
When your router is replaced or Wi-Fi password is changed, you have to reset Wi-Fi seings by holding both ⏻ and ⌂ keys for 5 seconds till the Wi-Fi indicator light flashes in blue color and a voice prompt is given, indicating that the Wi-Fi seings are reset successfully.
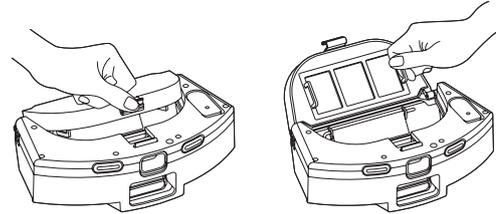
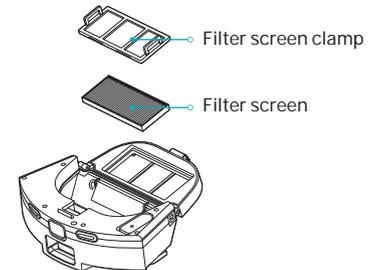# Maintenance

2-in-1 Dust Compartment with Water Tank
(1) Press Dust Compartment release buon and pull the tank out to remove it.

(2) Release the Dust Compartment clamp to remove filter screen clamp.
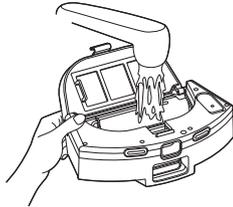

Filter screen clamp

Filter screen
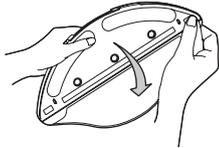
(3) Remove the Filter screen.

(4) Clean the filter screen and clamp with cleaning brush.

(5) Fill the automatic dirt disposal with water, shake it and then empty it. Repeat this process till it is clean.

(6) Turn the tank over and remove mop for cleaning or replace it.

Tips:
Clean the mop regularly, since contaminated mop will impair sweeping performance.
Be sure to remove the mop and clean, and then dry it by twisting. Do not clean it with it mounted to tank, or otherwise waste water may block the filter element.
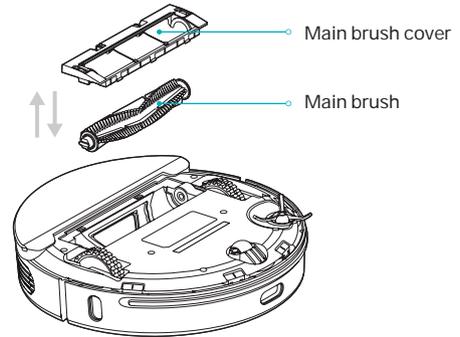It is recommended to replace main brush every 6-12 months to ensure proper cleaning performance.
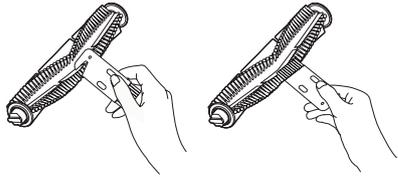
Cleaning main brush

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.

(1) Turn cleaner over, remove main brush cover and the brush by pressing the clamp on the cover.
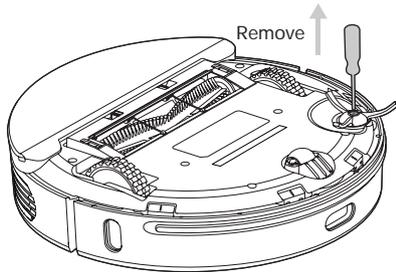Note: Avoid collision when turning it over to avoid damage to laser radar.

Main brush cover

Main brush

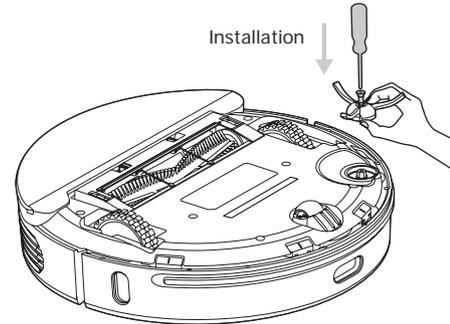(2) Cut o hairs around the brush with knife, and clean the main brush with the other end of the knife.

(3) Mount the main brush and main brush cover and lock the clamp.

Clean/replace side brush

(1) Remove screws fixing side brush with screwdriver, and remove the side brush.

Remove

(2) Mount side rush a er cleaning, or replace the side brush.

Installation

Tips: It is recommended to replace side brush every 3-6 months to ensure proper cleaning performance.

Replace dust bag

In case that the FULL DUST BAG icon flashes in orange color on the screen or a message is given on the App when the dust bag is full, please replace the bag immediately. When the dust bag is in normal operation, the icon keeps flashing in green and white colors.

Open the top cover

Remove dust bag by pulling the bag handle up.

Remove the dust bag.

Mount a new dust bag and mount the cover again.

Clean dust duct

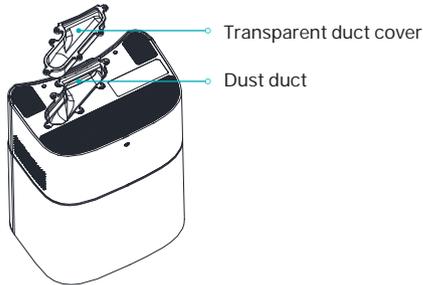In case that the FULL DUST BAG icon is still in orange color even a er the bag is replaced, it is recommended to disconnect power plug, turn the charging pile upside down to check whether dust duct is blocked by any foreign ma er.
If dust duck is blocked, remove the duct cover with screwdriver, as shown below.
Remove any foreign ma er.
Note: Do not dismantle it with excessive force.
A er finishing clear-up, mount it again in place.

Transparent duct cover

Dust duct

Maintenance of ba ery

The vacuum-mop contains an built-in high-performance rechargeable lithium-ion ba ery. To maintain adequate ba ery performance, keep it recharged regularly.
If the vacuum-mop is le idle for a long period, switch it o and recharge it once every three months to avoid damage due to over-discharging.

Clean sensor

It is recommended to weekly clean each sensor with clean and so cloth to ensure proper cleaning performance.
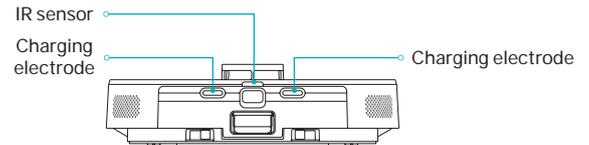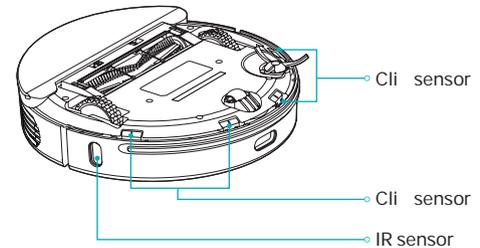
Robot vacuum:
Cli sensor × 4
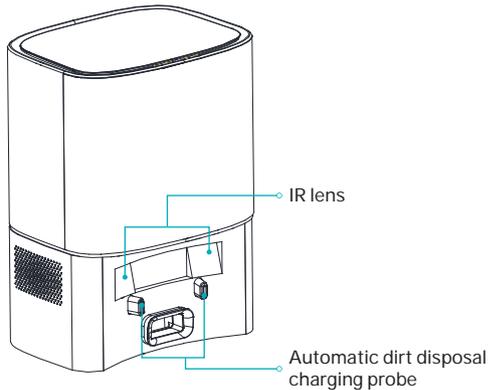IR sensor × 3
Charging electrode × 2
PSD detector × 1

PSD detector

IR sensor

Cli sensor

Cli sensor

IR sensor

IR sensor

Charging electrode

Charging electrode

Automatic dirt disposal charging dock:
IR lens × 2
Automatic dirt disposal charging probe × 2

IR lens

Automatic dirt disposal
charging probe

Specifications

Main machine

Name	Viomi Robot Vacuum S9 UV-Automatic Dirt Disposal
Model number	V-RVCLMD28D / V-RVCLMD28C
Dimensions	φ 350mm×98mm
Rated voltage	14.4V ===
Rate power	50W
Battery capacity	5200mAh
Wireless Connectivity	Wi-Fi IEEE 802.11b/g/n 2.4GHz

Automatic dirt disposal

Model number	V-ADD26D / V-ADD26C
Rated power	950W
Rated input	220-240V~50/60Hz
Rated output	24V === 1.5A
Rated frequency	50/60Hz
Dimensions	356×250×193mm

This product is in compliance with Class-1 laser safety standard under IEC60825-1:2014, and will not generate laser radiation hazardous to human.

Trouble Shooting

Fault Prompt	Solution
Error #1. Make sure the laser ranging sensor is not blocked.	Check for or remove any foreign ma er around laser radar, or relocate the Vacuum-Mop and restart it.
Error #2. Clean cli sensor and relocate the cleaner.	Clean the cli sensor and try again (for more details refer to the user manual).
Error #3. A strong magnetic field is detected. Relocate the cleaner and try again.	Relocate the Vacuum-Mop 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 ma er, and then restart the Vacuum-Mop.
Error #5. The Vacuum-Mop is at abnormal temperature. Stop operating till normal temperature is recovered.	The Vacuum-Mop 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 o the Vacuum-Mop and the automatic dirt disposal, clean their metal contacts.

The automatic dirt disposal fault prompt	Solution
Error #1.Dust bag is not mounted. The text "Full bag" is given and the icon flash.	Mount dust bag in place.
Error #2.Blower fails, The text is given and the icon flash.	Check whether air duct is blocked, and contact a er-sales service for troubleshooting.

FAQ

Problem	Solution
Cleaner fails to start up,	Low ba ery level. Keep the machine close to charging dock and try again. Too low (below 0℃) or high (above 50℃) ambient temperature.
Sweeping function fails.	Low ba ery level. Keep the machine close to charging dock and try again.
Charging function fails.	Too many barriers around charging dock. Place charging dock in an unblocked area. Main machine is too far from charging dock. Place main machine near charging dock and try again.
The machine operates improperly.	Power it o and than power it on again.
Cleaning operation is noisy.	Main brush, side brush or le /right caster is damaged by foreign object. Power o 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.
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.

Problem	Solution
The Vacuum-Mop fails to return to charging dock a er fixed point cleaning or displacement.	As the Vacuum-Mop will re-generate a map a er fixed-point cleaning or being displaced 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 su cient 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.
The Vacuum-Mop is always o ine.	Make sure the machine is connected to network successfully, and always within coverage of Wi-Fi.
The Vacuum-Mop 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.

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