User Manual

Dust Collection Robot Vacuum Cleaner Series

V1.0.0

Safety Precautions

EN

Usage Restrictions

- Plastic bags can be dangerous. Keep them away from infants and children to avoid the risk of suffocation.
- This product is only meant to clean floors in a home environment. Do not use it outdoors (such as in an open balcony), on other non-floor surfaces (such as sofas), or in commercial or industrial settings.
- Do not use the product in a suspended environment (such as duplex buildings, open balconies, or on top of furniture) without guard rails.
- Do not use the product in temperatures higher than 40℃ (104 ℉) or lower than 0℃ (32℉). Do not use the product if there is liquid or viscous substances on the floor.
- Ensure that cables are kept off the floor before using the device to prevent cables from being dragged around when the device is working.
- Keep all fragile and miscellaneous items (such as vases or plastic bags) that are on the floor to avoid obstruction of or collision with the device while it is working, which may result in damage of valuable items.
- Do not allow people with impaired physical, sensing or mental abilities, or people with insufficient experience and knowledge (including children) to use this product without guidance or supervision.
- Do not allow infants or children to use this product as a toy.
- Do not place the main brush cleaning tool within reach of children.
- Do not allow any body parts of humans or animals, including hair, fur, fingers, etc., to come close to the vacuum inlet of the device when the device is working.
- Do not use the product to clean flammable objects (such as lit cigarette butts).
- Do not use the device to vacuum hard or sharp objects (such as waste materials from renovation, glass, or nails).
- Do not use the cover of the laser range sensor, the top cover of the device, or the collision buffer device as carry handles for transporting the robot.
- Before cleaning and maintaining the device and dust collection charging dock, turn the device off and unplug it from the socket to disconnect the power supply.
- Do not submerge the device or dust collection charging dock in water or rinse them with water to clean them.
- Do not use a wet cloth or any liquid to wipe any part of this product.
- Do not use the mop module in a carpeted environment.
- Follow the instructions in the manual when using this product. The user is responsible for any loss or damage caused by improper use.

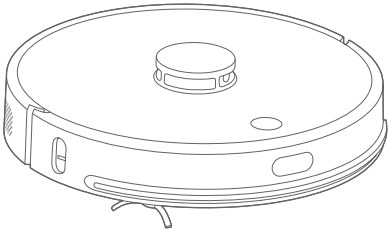
Battery and Charging

- Burning the device is prohibited even if the product has been severely damaged, as doing so may cause explosions.
- Do not use any third-party batteries, chargers, or charging docks.
- Do not disassemble, repair, or modify batteries and charging docks.
- Do not place charging docks near heat sources, such as radiators.
- Do not wipe or clean the charging dock clips with a damp cloth or wet hands.
- Do not dispose of batteries with your regular trash. Batteries should be disposed of by professional recycling agencies.
- If the power cord is damaged, it must be replaced by professionals from the manufacturer, the manufacturer's service department, or a similar department to avoid danger.
- If the product must be transported, ensure the device is turned off. It is recommended that you use the original box packaging to transport the product.
- Do not pour water into the device or submerge it in water.
- If you are not using the device for a while, charge it fully, turn off the device, and place it in a cool, dry area. Charge the device at least once every three months to avoid damage to the battery.
- Use proper tools when removing the battery. First, remove the screws from the bottom cover. Then, open the bottom cover and unplug the battery from the terminal. Finally, remove the battery from the battery holder.
- The battery must be removed from the device before discarding the device.
- The device must be powered off before removing the battery.

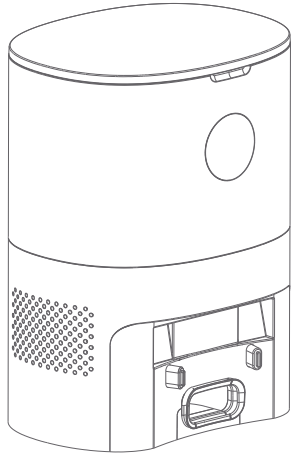
Class 1 laser product. The laser radar in this product conforms to the GB 7247.1-2012/IEC 60825-1:2014 safety standards for Class 1 lasers, and will not produce laser radiation harmful to the human body.

EN Package Contents

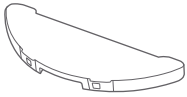
Diagrams of products, accessories, user interfaces, and other items in the manual are schematic diagrams and are for reference only. The actual product may differ slightly from diagrams in the manual due to product updates and upgrades. The actual product shall prevail in case of any discrepancies.



Robot

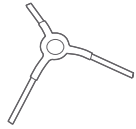


Dust Collection Charging Dock

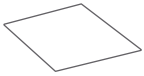


Mop Holder

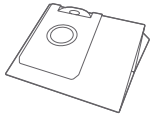
Washable Mop Cloth



Side Brush

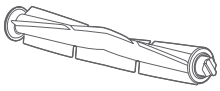


Quick Start Guide

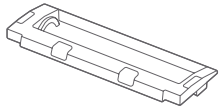


Dust Bag

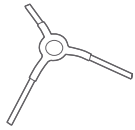
Accessories installed on the robot



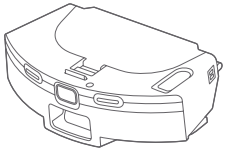
Main Brush



Main Brush Cover



Side Brush

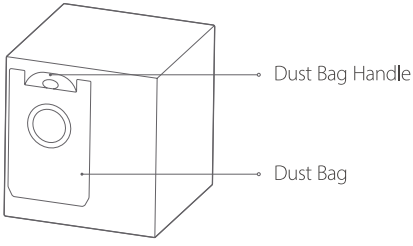


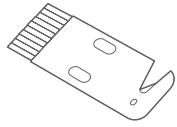
Two-in-one Water Tank

Accessories installed on the dust collection charging dock

Dust bag (there is one dust bag installed in the dust collection charging dock)

ⓘ Dust bags are consumables and cannot be reused. Please replace them regularly with bags purchased from official channels.

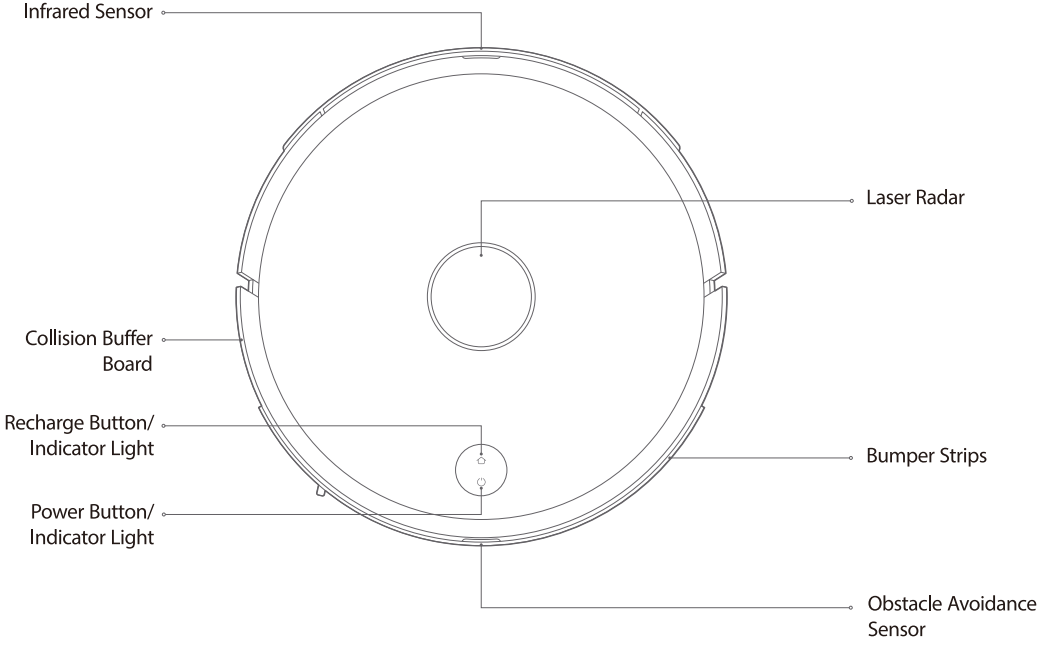


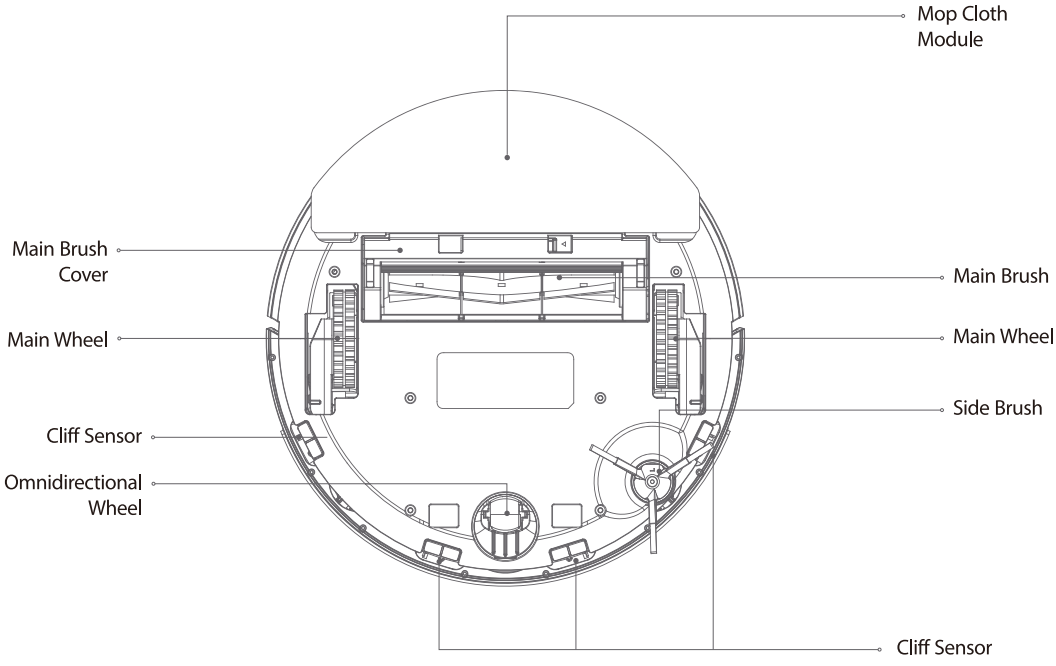


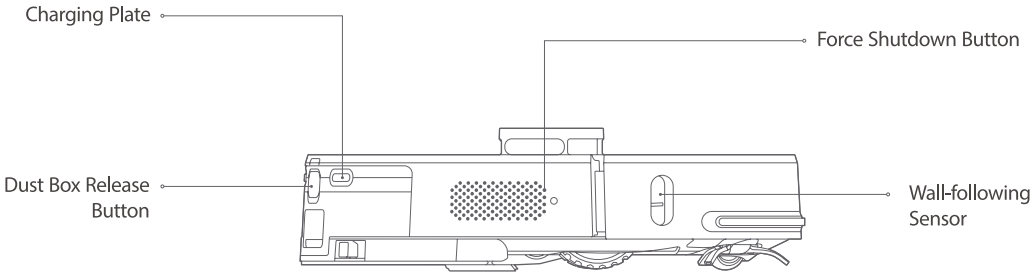
Cleaning Knife (1 pc)

EN Product Introduction

1. Device



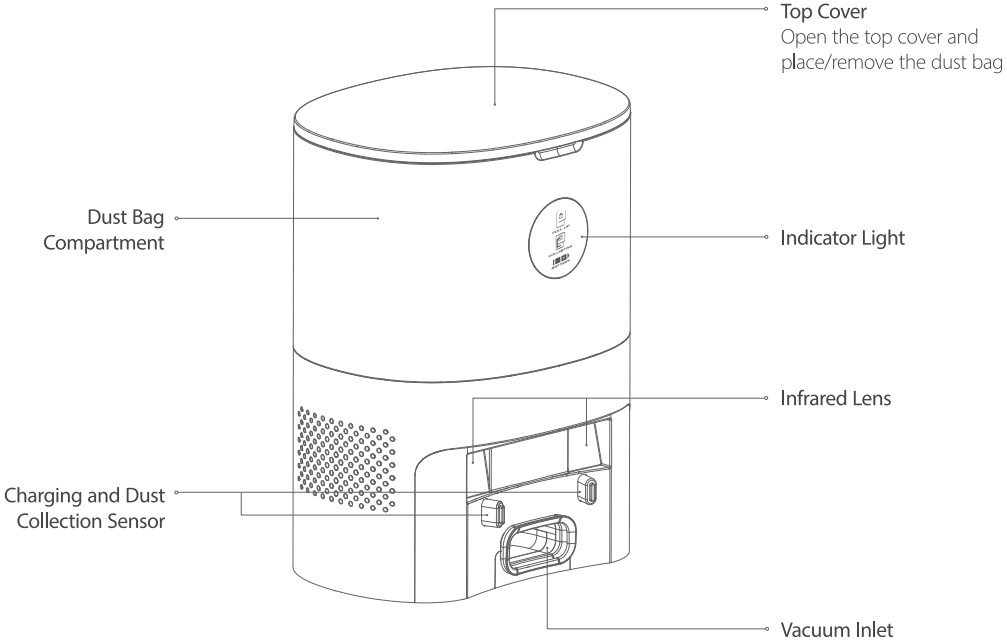

Mop Cloth Module
Main Brush Cover
Main Brush
Main Wheel
Main Wheel
Side Brush
Cliff Sensor
Omnidirectional Wheel
Cliff Sensor



LED Indicator Patterns

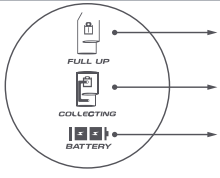
LED Status	LED status	Device Status
White light always on	Light off	Standby
White light breath	Light off	Charging
White light flashes slowly	Light off	Pause
White light always on	Light off	Cleaning
Light off	Orange light always on	Recharge
Red light flashes fast	Light off	Abnormal
White light flashes slowly	Light off	Turning on
White light flashes fast	Light off	Turning off
White light flashes slowly	Light off	Not connected to Wi-Fi
White light always on	Light off	Wi-Fi connected
White light always on	Light off	Connecting to Wi-Fi

2. Dust Collection Charging Dock



Status descriptions for the indicator lights on the dust collection charging dock

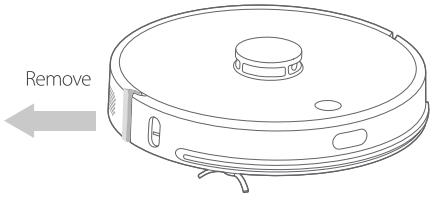
ⓘ When the fan does not work properly, all indicator lights will flash brightly.

Status of the dust collection charging dock	Status of the indicator lights on the dust collection charging dock
	This light will stay bright when the dust bag is full. The light will flash if the dust bag is not properly installed.
	During dust collecting, this light will flash brightly.
	When the device is fully charged, two bars stay green; When the battery level is lower than or equal to 50%, one bar turn solid green.

EN Installation and Use

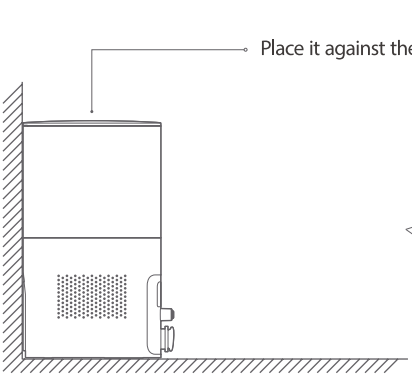
1. Removing the limit bar

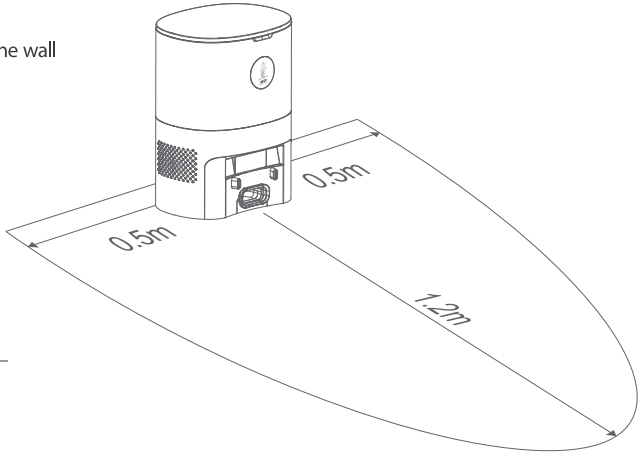
Place the robot on flat ground indoors. Remove the limit bar from both ends of the front bumper.



2. Installing the dust collection charging dock

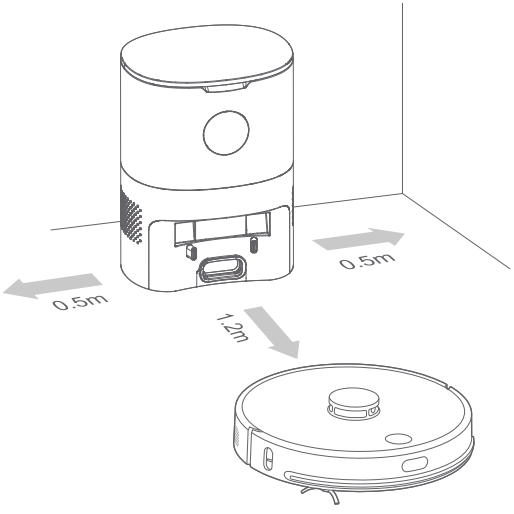
- Place the dust collection charging dock on flat ground against the wall. Insert the power plug into a socket that meets the requirements and turn on the power.
- Ensure that there are no obstacles within 1.2m in front of the charging dock and within 0.5m on both sides of the charging dock.

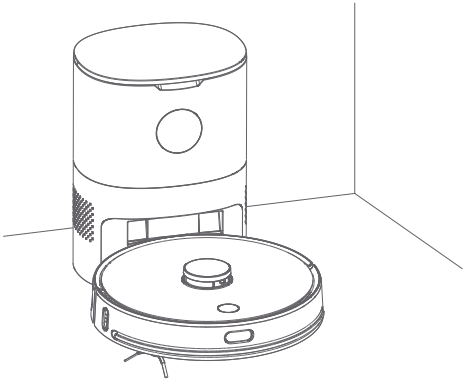




3. Charging the robot

Press and hold the ⏻ button for 3 seconds to start the robot. Then, press the ⌂ button to recall the robot to the dock for charging. The robot will enter standby mode after it is fully charged.





⏻ The white light breathes.
⌂ The light is off: Charging.

⏻ The white light is always on.
⌂ The light is off: Charging completed.

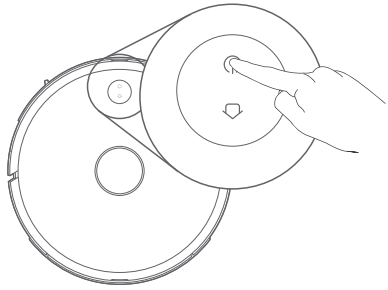
- Charge the robot fully before cleaning.
- Before cleaning, ensure that cables and items on the ground are properly organized, to prevent them from being tangled, dragged or bumped into during cleaning, resulting in damage.
- It is recommended that you enable the robot to start cleaning out of the dust collection charging dock. This can facilitate a rapid recharge of the cleaner.
- If there is insufficient power during cleaning, the robot will automatically return to the dust collection charging dock for charging. It will return to the last-cleaned position to resume cleaning after charging is completed.

EN Installation and Use/Cleaning

The whole-house cleaning mode is set by default. After the device is connected to the app, more modes are available.

1. Cleaning

- Press the ⏻ button to start global cleaning;
- Press and hold the ⌂ button for 3 seconds to start area cleaning.

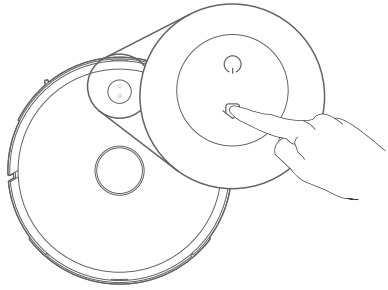


2. Pause

When the robot is cleaning, press the ⏻ or ⌂ button to pause the cleaning.

3. Waking up

The robot will enter sleep mode if it is stationary for 60 minutes. Press any button to wake the robot when it is in sleep mode.

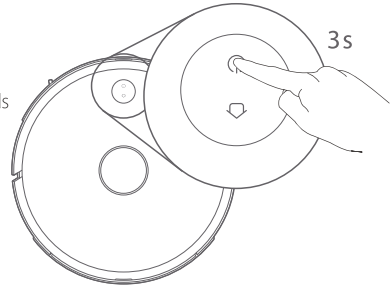


4. Automatic recharge/manual recharge

- The robot will automatically return to the dock to charge if there is insufficient power while cleaning. The robot will also return to the dock to charge after cleaning is completed.
- When the robot is cleaning, press the ⏻ or ⌂ button to pause the robot, and then press the ⌂ button to recall the robot to the dust collection charging dock for charging.

5. Turning off

When the robot is stationary, press and hold the ⏻ button for 3 seconds to turn the device off. The power indicator light will fast flash white for five seconds before it turns off.



The robot cannot be powered off and cannot enter sleep mode while charging.

Installation and Use/Mopping

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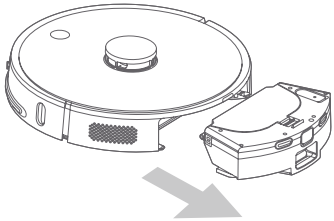
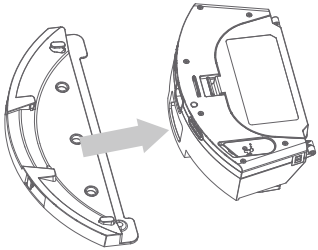
1. Removing the two-in-one water tank

Press the Dust Box Release button to remove the two-in-one water tank.

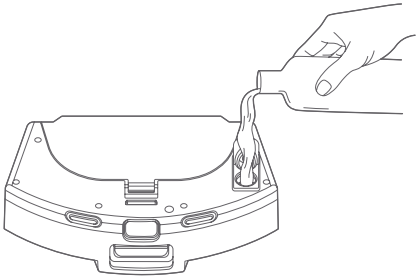


2. Installing the mop holder



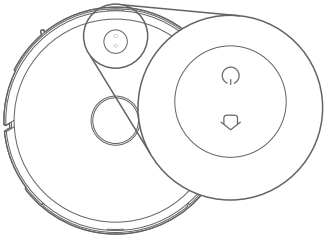
3. Adding water

It is recommended that you use purified water.



4. Mopping

- Press the button to start global mopping;
- Press the button for 3 seconds to start area mopping.



EN Installation and Use/Connecting to the App

Scan the QR code below or search for the "Imou" app in the App Store. Then download and install the app.
Open the app, click on "+" in the top right corner of the home page, and follow the directions to add the device.

ⓘ Due to app upgrades and updates, actual operations may differ slightly from the above description. Follow the directions in the current app to perform the operations.

Resetting Wi-Fi and restoring factory settings

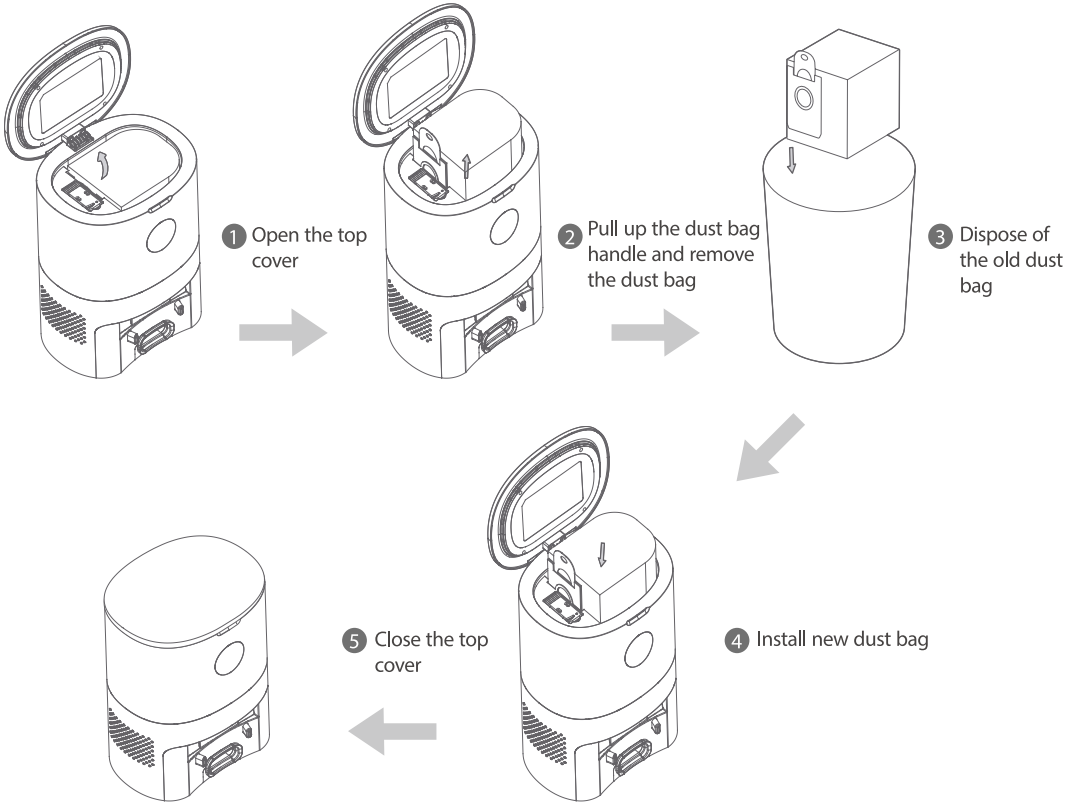
Separate the robot from the charging dock, and press and hold the ⏻ and ⌂ buttons simultaneously for 5 seconds. When the power indicator light flash red, the device will turn off. Press and hold the ⏻ button for 3 seconds to turn on the device. Then you will hear the voice prompt "Wi-Fi has been reset" and the device will be waiting for a network connection. Then follow the directions in the app to add the device.

ⓘ Supports only the 2.4GHz Wi-Fi band.

Maintenance

Replace the dust bag

When the dust bag is full, the indicator light on the dust collection charging dock will stay red and there will be a notification on the app. Replace the dust bag in a timely manner.

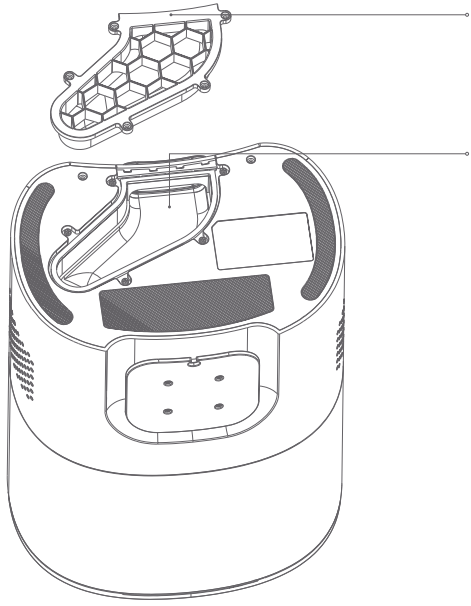


EN Clean the dust channel

If the red light on the dust collection charging dock remains red after replacing the dust bag, unplug the power cord and turn the charging dock upside down to check if there is anything blocking the dust channel.

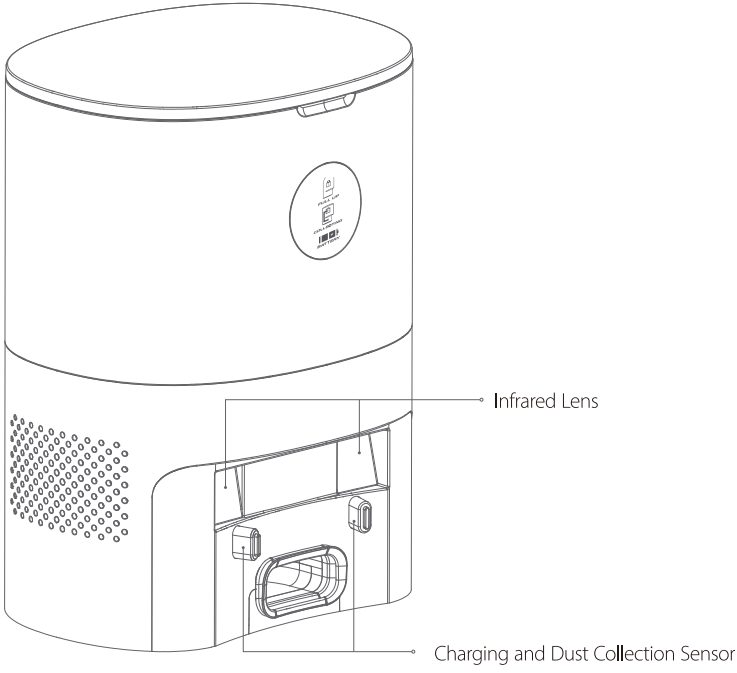
Refer to the diagram below if the dust channel is blocked. Remove the transparent cover of the dust channel using a screwdriver, and remove any foreign objects.

Do not forcefully disassemble.
After cleaning, re-assemble the device the way it was prior to cleaning.



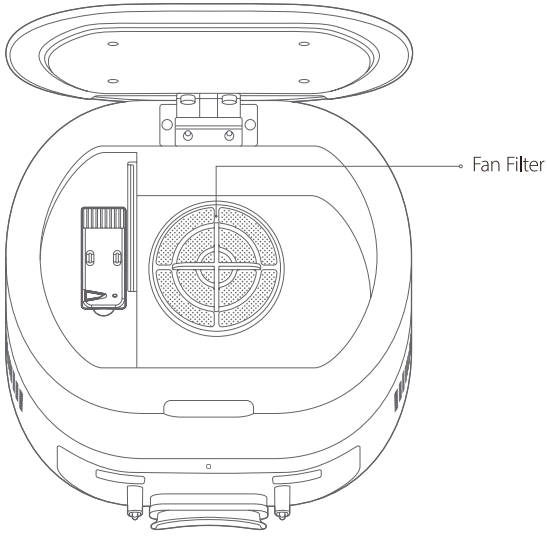
Clean the infrared lens/charging and dust collection sensor head

Gently wipe clean with a clean and soft dry cloth. It is recommended that you clean the device once a month.



EN Clean the fan filter

The fan filter is below the dust bag. If dust has accumulated on the filter, wipe it with a clean and soft dry cloth. It is recommended that you clean the device once a month.

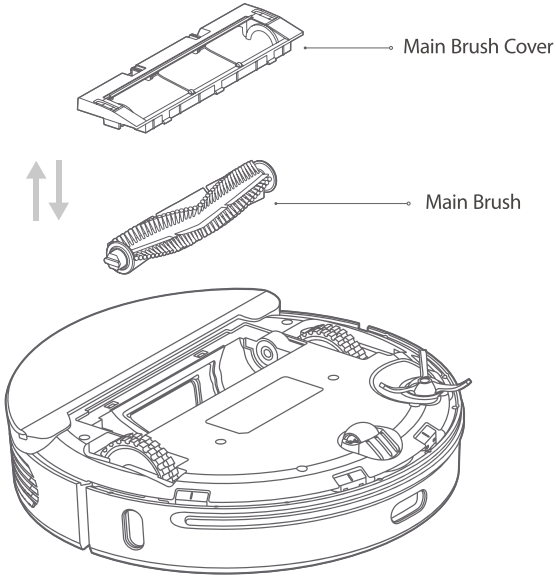


Cleaning the main brush

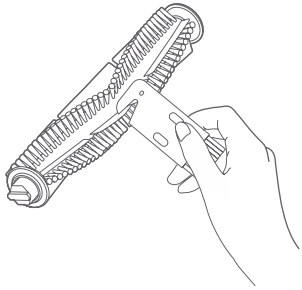
The main brush is a consumable. It is recommended that you clean it once a week and replace it every 6-12 months to ensure effective cleaning.

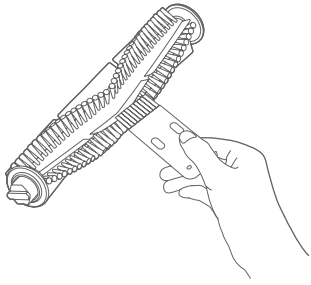
1. When placing the robot upside down, press the catch on the cover of the main brush. Then, remove the main brush cover and the main brush.

   ⓘ When placing it upside down, carefully avoid bumping it to avoid damaging the laser radar.



2. Cut entangled hairs and fur on the main brush using the small cleaning knife. Use the cleaning brush on the other end of the cleaning knife to clean the main brush.



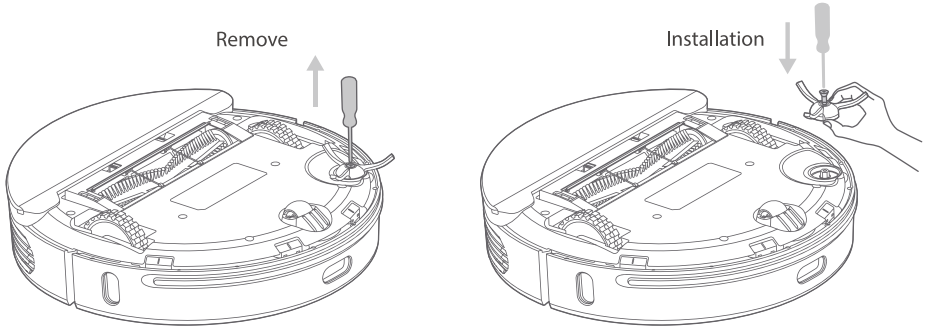


3. Replace the main brush and main brush cover. Press to fasten the catch.

EN Clean/replace the side brush

1. Remove the screws of the side brush with a screwdriver. Then, remove the side brush.

2. Replace the side brush after cleaning, or install a new side brush.



The side brush is a consumable. It is recommended that you replace it every 3-6 months to ensure effective cleaning.

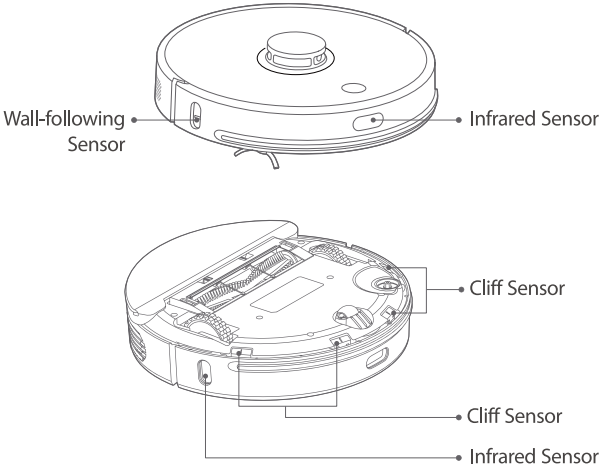
Clean/Sensor

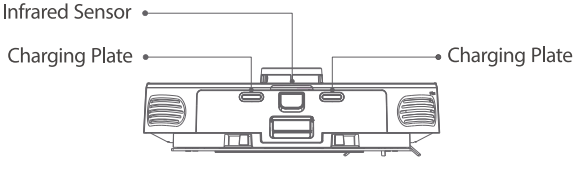
It is recommended to gently wipe each sensor with a clean and soft dry cloth every week, to ensure that the device functions properly.

Robot:

Cliff Sensor x4 Charging Plate x2

Infrared Sensor x3 Wall-following Sensor x1

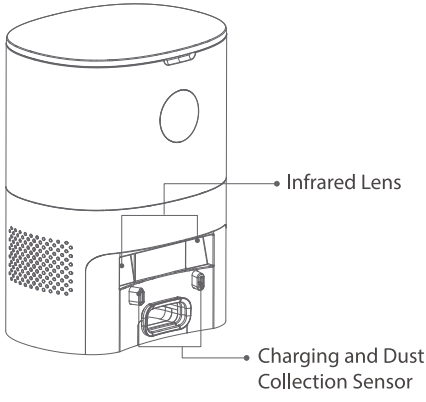




Dust Collection Charging Dock:

Infrared Lens x2

Charging and Dust Collection Sensor x2

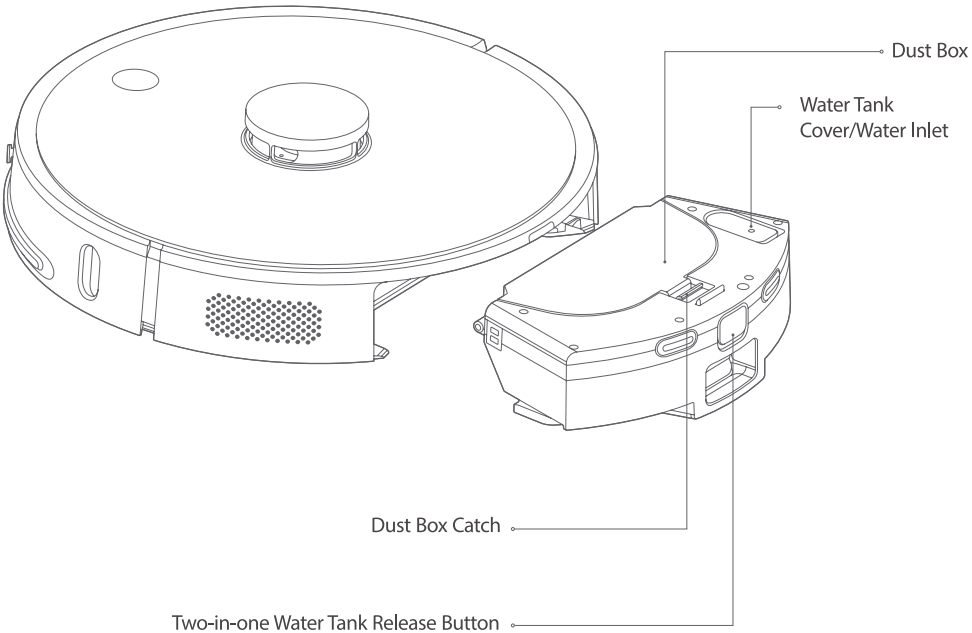


Battery maintenance

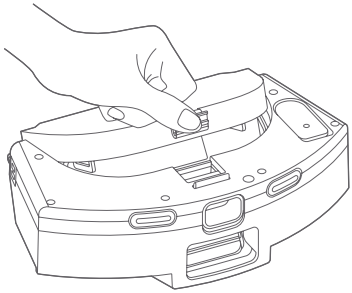
1. The robot has an internal high-performance lithium-ion battery pack. Keep the device charged on a day-to-day basis to maintain battery performance.
2. If you are not using the device for a while, turn it off before storing it. Charge the device at least once every three months to avoid damage to the battery.

EN Cleaning the two-in-one water tank

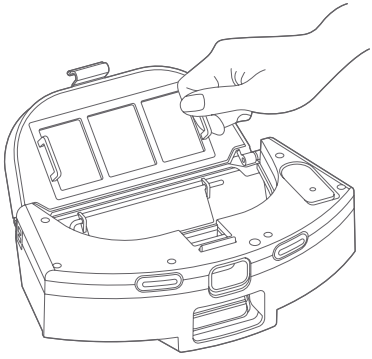
1. Press and hold the two-in-one water tank release button, and pull the water tank out.



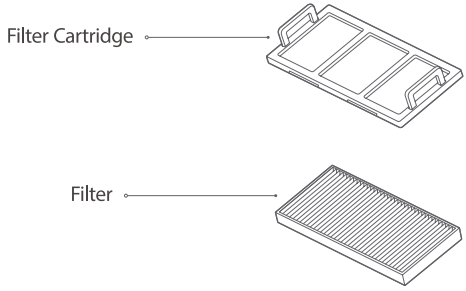
2 Pull the dust box catch to open the dust box.

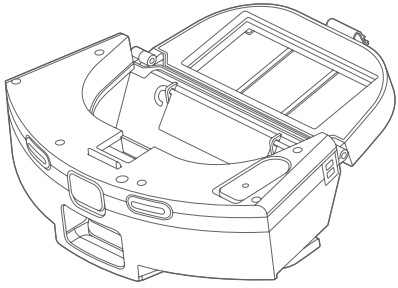


3 Remove the filter cartridge.

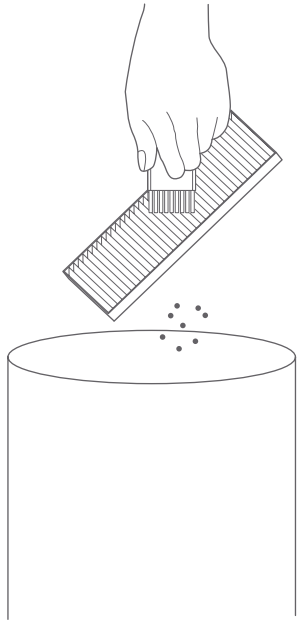


4 Remove the filter.



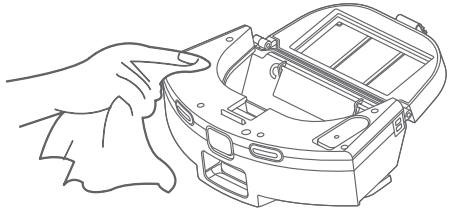


5 Use the cleaning brush to clean the filter and any debris on the filter cartridge.

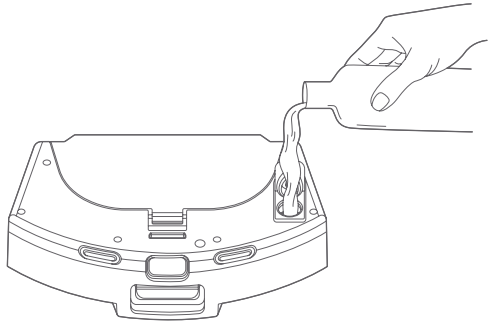


The filter is a consumable. It is recommended that you replace it every 3-6 months using filters purchased from official channels.

6 Use a dry cloth to clean the dust box. After the cleaning, wipe the dust box and dry the cloth.

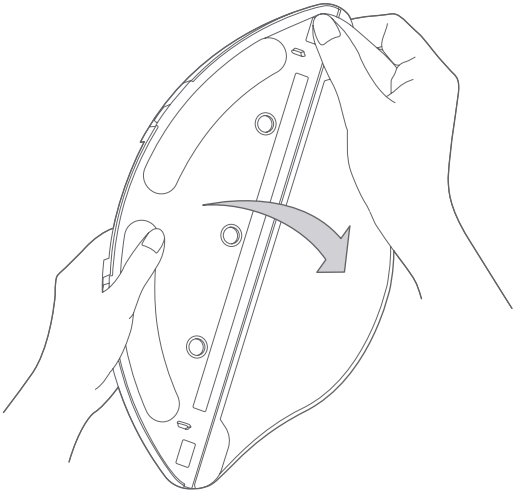


7 Open the water tank cover and add an appropriate amount of water.



It is recommended that you use purified water.

8 Turn the two-in-one water tank upside down, and remove the mop cloth for replacement or cleaning.



- Mopping will be less effective if the mop cloth is too dirty. Do clean the mop cloth in a timely manner.
- Always remove the mop cloth, clean it, and wring it dry before re-installing it and using it. Do not install it on the two-in-one water tank to clean it, or the reverse flow of dirty water will clog the filter element.
- After cleaning the inside of the dust box, ensure that the inside of the dust box is dry and free from water stains. Otherwise, the dust collection charging dock will be damaged.
- If there are water stains on the filter and filter cartridge, ensure that they are dry before use. Otherwise, the dust collection charging dock will be damaged.
- The mop cloth is a consumable. It is recommended that you replace it every 3-6 weeks.

EN Troubleshooting

When an abnormality occurs while the device is running, the power indicator light will flash red quickly. There will be voice prompts for some abnormalities. Refer to the table below for possible solutions.

ⓘ The robot will automatically hibernate if there are no operations within 60 minutes of entering sleep mode.

Voice Prompts/ Fault Description	Possible Reason	Solutions
Check if the radar is stuck	Laser radar is blocked or stuck	Remove obstacles, or move the device to a flat and open area, and restart it.
Check if the bumpers are stuck	Collision sensor is stuck	Clean and remove any foreign debris around the bumpers, or move the device.
Clean the cliff sensor. Then, start the unit after removing it from the danger area.	Cliff sensor is triggered after starting the device	Remove and clean the cliff sensor. Then, move it to a flat and open area before starting it.
Check if the main brush is stuck	Main brush is stuck	Clean the main brush or move the device.
Check if the side brush is stuck	Side brush is stuck	Clean the side brush or move the device.
Check if the main wheel is stuck	Main wheel is stuck	Clean the main wheel or remove the device.
Put back the water tank before restarting the device	Two-in-one water tank is removed	Install back the two-in-one water tank and filter while ensuring that they are installed in the right place.
The battery is insufficient. Start recalling the device to the dock for charging.	Battery is insufficient while cleaning	The battery is insufficient. Charge the device before use.
Fan is abnormal	Fan is abnormal	Ensure that the air ducts, filter, and other relevant parts of the device are dry and free from water stains before attempting to turn off and restart the device.
Wipe the wall-following sensor on the right side	Wall-following sensor is abnormal	Wipe clean the wall-following sensor.
Pressure on the top cover of the laser radar	Top cover on the radar is stuck	The laser radar is stuck or under pressure. Move the device to a new position and restart it.
Battery is damaged or has not been properly installed	Battery is abnormal while charging	The battery temperature is too high or too low. Wait until the battery temperature is normal before using it.

Voice Prompts/ Fault Description	Possible Reason	Solutions
Unable to turn on	Battery level is low or ambient temperature is abnormal.	The battery is insufficient. Charge the device before use. If the ambient temperature is too low (below 0℃) or too high (above 50℃), use the device in temperatures between 0℃ and 40℃.
Unable to charge the device	1. Dust collection charging dock unelectrified. 2. Dirty charging sensor. 3. Poor contact with the charging sensor.	1. Ensure that there is power flowing to the power cord of the dust collection charging dock. 2. Clean the charging plates of the device and the charging sensor head of the dust collection charging dock on a regular basis. 3. Exclude the possibility of poor contact caused by the side brush or other foreign objects. Try manually repositioning the device.
Unable to return to charging dock to charge. Unable to locate the dust collection charging dock.	The dust collection charging dock is blocked or too far away.	Place the dust collection charging dock in an open space. Place the device near the dust collection charging dock and try again.
Errors occur while cleaning	The main/side brush, or the main brush is entangled with foreign objects.	Turn the device off before cleaning it.
Decreased cleaning ability or dust falling out of the device	The dust box is full, the filter is blocked, or the main brush is entangled.	Clean the dust box, filter, and main brush in a timely manner.
Unavailable scheduled cleaning mode	The battery is insufficient.	The device will start the scheduled cleaning mode only when the remaining battery is more than 15%. So, keep the device charged all day.
Unable to connect to the app	The Wi-Fi network is abnormal, the Wi-Fi password is wrong, or the app is abnormal.	Ensure that the device is in an area with good Wi-Fi coverage. Re-enter the Wi-Fi password or reset the robot. Update the app and try again.
No or little water discharged from the mop module	The water tank is out of water, the mop cloth is too dirty, or the mop holder is not installed in the right place.	Check if there is water in the tank. Wash the mop cloth. Install the mop cloth correctly according to the manuals. Check if the drain hole is clogged with foreign objects and pay attention to adding clean water without impurities.
Too much water discharged from the mop module	The cover of the water tank is not put in place or the water discharge is set to maximum.	Ensure that the cover of the water tank is installed in the right place. Adjust the right amount of water in the app. Fill the water tank and let it sit for a while to check if there is any breakage or leakage.
Insufficient battery during cleaning; device recharged but does not resume cleaning	The device is in "Do Not Disturb" mode or manually recharged to end the cleaning cycle.	Check on the app to ensure that the device is not in "Do Not Disturb" mode. Scanning will not resume in this mode. The robot will not resume scanning if you manually charge the unit or manually place the unit back in the dust collection charging dock.

EN

Where there is an anomaly with the dust collection charging dock, the three types of indicator lights on the dock will simultaneously light up and remain lit. There will also be a notification on the app. Refer to the table below for possible solutions.

Voice Prompts/ Fault Description	Possible Reason	Solutions
Does not return to the dust collection charging dock after area cleaning or after being moved.	The device regenerates the map or the dust collection charging dock is too far away.	The device will regenerate the map after area cleaning or being removed far away. If the dust collection charging dock is too far away, the device may not be able to automatically return to the dock for charging, and you need to manually put the device back to the dock for charging.
Dust collection failed	The dust bag is not installed or not installed in the right place so that the fan enables overheat protection or does not work properly	Install the dust bag correctly.
The dust bag is full or blocked	The dust bag is full or blocked	Change the dust bag and clean the dust collection charging dock (vacuum inlet, dust channel, fan filter, etc.) in a timely manner.

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