



DEEBOT **X8** OMNI
DEEBOT **X8** PRO OMNI
Instruction Manual

Instruction Manual EN | P03

說明書.....ZH-TW | P30

IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical Appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

SAVE THESE INSTRUCTIONS

1. This Appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the Appliance by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the Appliance.
3. Clear the area to be cleaned. Remove power cords and small objects from the floor that could entangle the Appliance. Tuck rug fringe under the rug base, and lift items such as curtains and tablecloths off the floor.
4. If there is a drop off in the cleaning area due to a step or stairs, you should operate the Appliance to ensure that it can detect the step without falling over the edge. It may become necessary to place a physical barrier at the edge to keep the unit from falling. Make sure the physical barrier is not a trip hazard.
5. Only use as described in this manual. Only use attachments recommended or sold by the manufacturer.
6. For INDOOR household use ONLY. Do not use the Appliance in outdoor, commercial or industrial environments.
7. Do not use without dust bin and/or filters in place.
8. Do not operate the Appliance in an area where there are lit candles or fragile objects.
9. Keep hair, loose clothing, fingers, and all parts of body away from any openings and moving parts.
10. Do not use and store in extremely hot or cold environments (below -5°C /23°F or above 40°C/104°F). Please charge the robot in temperature above 0°C/32°F and below 40°C/104°F.
11. Do not operate the Appliance in a room where an infant or child is sleeping.
12. Do not use Appliance on wet surfaces or surfaces with standing water.

13. Do not allow the Appliance to pick up large objects like stones, large pieces of paper or any item that may clog the Appliance.
14. Do not use Appliance to pick up flammable or combustible materials such as gasoline, printer or copier toner, or use in areas where they may be present.
15. Do not use Appliance to pick up anything that is burning or smoking, such as cigarettes, matches, hot ashes, or anything that could cause a fire.
16. Do not put objects into the suction intake. Do not use if the suction intake is blocked. Keep the intake clear of dust, lint, hair, or anything that may reduce air flow.
17. If the power cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard.
18. Turn OFF the power switch before cleaning or maintaining the Appliance.
19. The lithium battery type suitable for CH2453F/CH2453H is Max. 8 cells, max. nominal voltage DC 14.4V, rated capacity 5,800mAh/4,800mAh. The battery must be removed and discarded according to local laws and regulations before disposal of the Appliance.
20. Please dispose of used batteries according to local laws and regulations.
21. Do not incinerate the Appliance even if it is severely damaged. The batteries can explode in a fire.
22. The Appliance must be used in accordance with the directions in this Instruction Manual. Ecovacs Home Service Robotics cannot be held liable or responsible for any damages or injuries caused by improper use.
23. The robot contains batteries that are only replaceable by skilled persons. To replace the robot's battery, please contact Customer Service.
24. Please make sure your power supply source voltage matches the power voltage marked on the OMNI Station.
25. Use only the original rechargeable battery and OMNI Station provided with the Appliance from the manufacturer. Non-rechargeable batteries are prohibited.
26. Take care not to damage the power cord. Do not pull on or carry the Appliance or OMNI Station by the power cord, use the power cord as a handle, close a door on the power cord, or pull power cord around sharp edges or corners. Do not run Appliance over the power cord. Keep

- power cord away from hot surfaces.
27. Do not use the OMNI Station if it is damaged.
The power supply is not to be repaired and not to be used any longer if it is damaged or defective.
 28. Do not use with a damaged power cord or receptacle. Do not use the Appliance or OMNI Station if it is not working properly, has been dropped, damaged, left outdoors, or come in contact with water. It must be repaired by the manufacturer or its service agent in order to avoid a hazard.
 29. The plug must be removed from the receptacle before cleaning or maintaining the OMNI Station.
 30. Remove the Appliance from the OMNI Station, and turn OFF the power switch to the Appliance before removing the battery for disposal of the Appliance.
 31. When not using the OMNI Station for a long period of time, please unplug it.
 32. If the robot will not be used for a long time, power OFF the robot for storage and unplug the OMNI Station.
 33. **WARNING**-Add clean water into the clean tank only.

34. WARNING: For the purposes of recharging the battery, only use the detachable supply unit CH2453F/CH2453H provided with the Appliance.

To satisfy RF exposure requirements, a separation distance of 20 cm or more should be maintained between this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

Device Update

Typically, some devices are updated bi-monthly, but not always so specific.

Some devices, especially those that went on sale more than three years ago, will only be updated if a critical vulnerability is found and fixed.

	Caution: hot surface
	Short-circuit-proof safety isolating transformer
	Switch mode power supply
	For indoor use only
	Direct current
	Alternating current
	Before charging, read the instructions.
	Polarity of the charging port
	Time-lag miniature fuse-link

For EU Countries

For EU Declaration of Conformity information, visit <https://www.ecovacs.com/global/compliance>

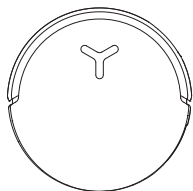


Correct Disposal of this Product

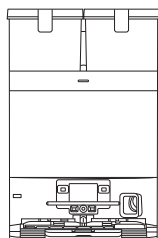
This marking indicates that this product should not be disposed of with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To recycle your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can safely recycle this product.

PACKAGE CONTENTS

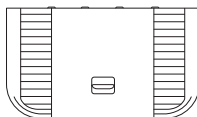
1 PACKAGE CONTENTS



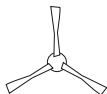
Robot



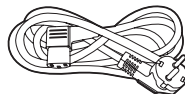
OMNI Station



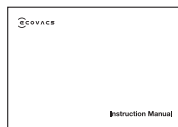
Base



Side Brush



Power Cord



Instruction Manual

Note:

* Figures and illustrations are for reference only and may differ from actual product appearance. Product design and specifications are subject to changes without notice.

2 Product Diagram

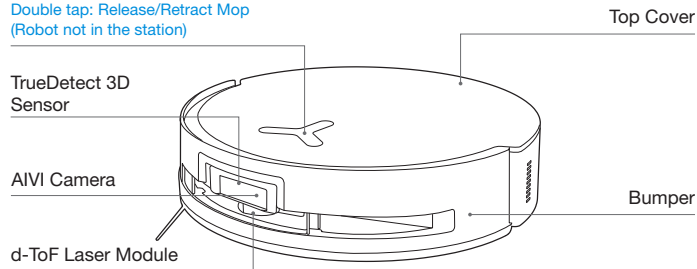
1. Robot Front View

Button on the robot

Short Press: Toggle start/Pause

Press 3 Sec: Return to station

Double tap: Release/Retract Mop
(Robot not in the station)



2. Robot Bottom View

Anti-drop Sensors

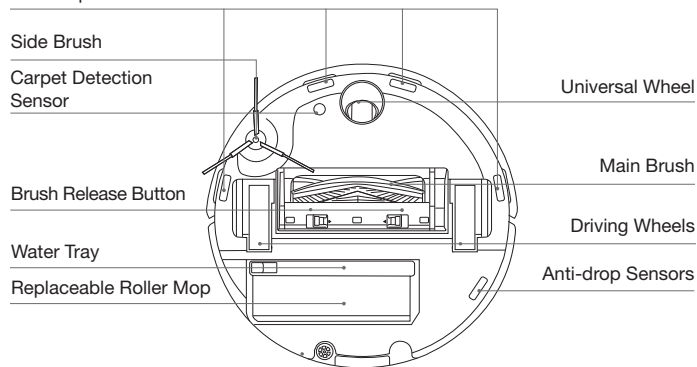
Side Brush

Carpet Detection Sensor

Brush Release Button

Water Tray

Replaceable Roller Mop

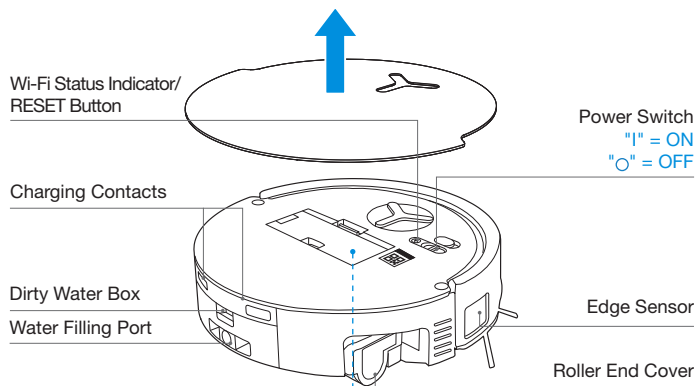


3. Internal View (Under the Cover)

RESET Button

Network Setup: Press the RESET Button and follow the voice prompt to set up the network.

Restore to default settings: Long press the RESET Button for 5 seconds. After you hear the voice prompt, the startup music will be played and the robot will be restored to default settings.



4. Dust Bin

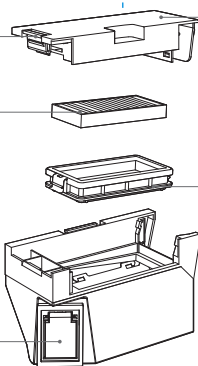
Filter Latch

Filter

Dust Bin Cover

Filter Net

Dust Disposal Port



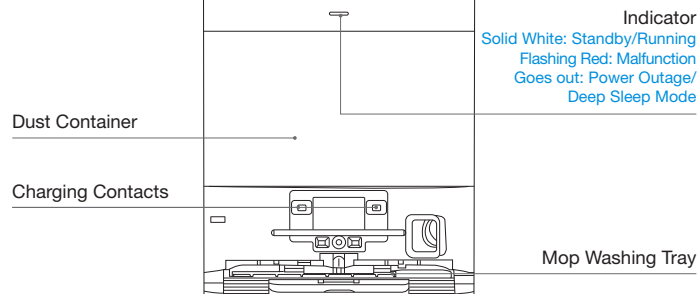
5. OMNI Station Front View



Dirty Water Tank



Clean Water Tank

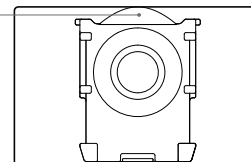


Note:

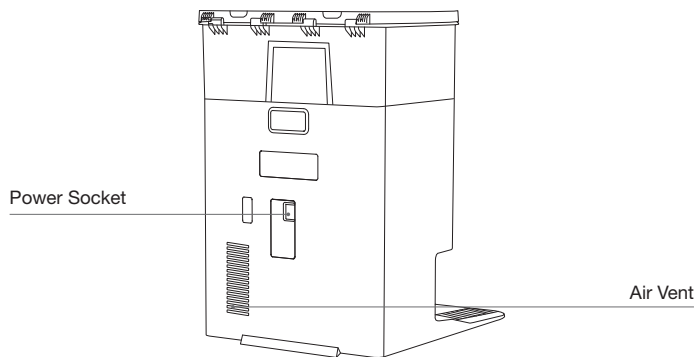
- If the indicator flashes red, go to the ECOVACS HOME App for details about the malfunction.
- If the robot cannot charge, wipe the corresponding charging contacts on the OMNI Station with a dry cloth.

6. Dust Bag

Dust Bag Handle



7. OMNI Station Back View



8. Sensors

Product Diagram	Functional Description
d-ToF Laser Module	Laser ranging is applied to measure the distance between the robot and surrounding objects based on the time difference of reflection, allowing the module to map against the objects around while the robot is moving. The detection range is 12 m.
TrueDetect 3D Sensor	With Infrared ranging-detection and the concept of similar triangles, the sensor emits infrared rays and receives the light from the objects ahead to calculate the distance between the object and the robot. When the sensor detects an object nearby, the robot will automatically take a turn to avoid bumping into the object. The detection range is 0.3 m.
Anti-drop Sensors	Infrared ranging is applied by the sensor at the bottom of the robot to measure the height between the bottom of the robot and the ground. When at the top of the stairs, for example, with a height above 55mm on white-colored ground or a height above 30mm on black-colored ground, the robot will stop advancing, fulfilling the feature of Anti-drop.
Carpet Detection Sensor	The ultrasound probe can emit ultrasonic waves with a frequency of 300KHZ. The energy of the ultrasonic waves can be absorbed by carpets. If the reflected energy is below the threshold, the robot will recognize the presence of a carpet. According to ECOVACS lab tests, currently, over 50 types of carpets available on the market can be identified.
Anti-collision Sensor	When the transmitted signal is blocked by an object, the signal receiver will not be able to receive it. With this principle, the robot will avoid obstacles when encountering them.
Edge Sensor	With ToF distance measurement, the robot can detect the distance between itself and objects on its right side. When there is a wall or obstacle on the right side, the robot will perform edge cleaning to avoid missing spots or collisions.
AIVI Camera	Use AI cameras to collect images of the surrounding environment. *Realize video recording. Through interaction with MIC, remote video call can be realized(For some models).
Microphone	Human voices cause vibrations in the diaphragm of the microphone through air. As a result, the microphone utilizes the collection and algorithms of sound models to achieve sound recording and voice control of the robot to complete specific tasks. The effective wake-up distance is 5 m.

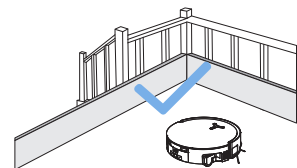
NOTES BEFORE CLEANING

1 Warnings



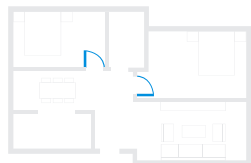
Prepare the Area

Tidy up the area to be cleaned by putting furniture, such as chairs, in their proper place.



Set up Protective Barriers

It may be necessary to place a physical barrier at the edge of a steep drop to stop the robot from falling over the edge.



Keep Your Doors Open

During the first use, make sure each room door is open to help the robot fully explore your house.



Put away objects including cables, cloths and slippers, etc. on the floor to improve the cleaning efficiency.



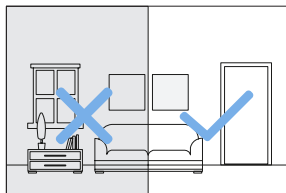
Before using the product on a rug or carpet with tasseled edges, please fold the rug and tuck the tassels under the rug.



Please do not stand in tight spaces such as doorways and hallways, and make sure not to block the robot's path when it's identifying areas.



Ensure the clarity of the robot's vision and avoid scratching or smudging the AI camera lens with fingerprints or oily stains. Use a clean, soft cloth to wipe the camera, instead of cleaning agents, detergents, or sprays.



Provide Sufficient Lighting

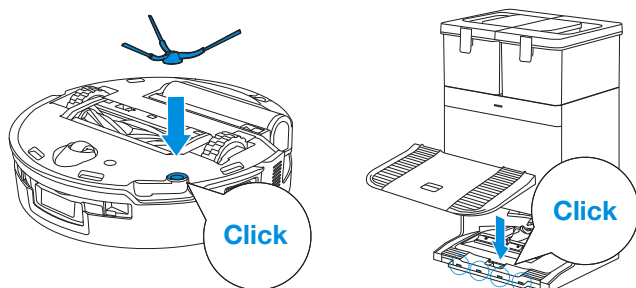
The robot can avoid shoes, sockets and cords etc., and make sure all areas to be cleaned are well illuminated, which can improve obstacle avoidance.

2 Quick Start

Before using, please remove all protective materials from the robot and OMNI station.

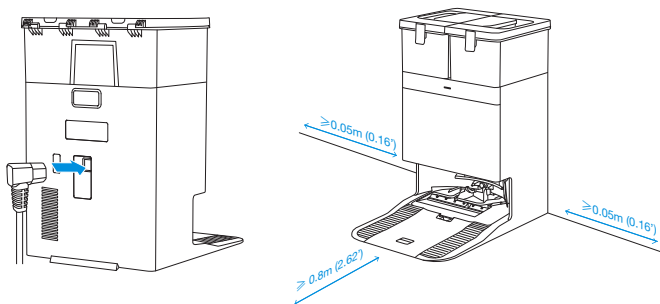
1. Installation

The sound of “Click” indicates proper installation.



2. Power cord connection and station placement

Place the Station against a wall on a level, hard ground. Ensure there are no objects within 0.05 m on either side and 0.8 m in front of it.

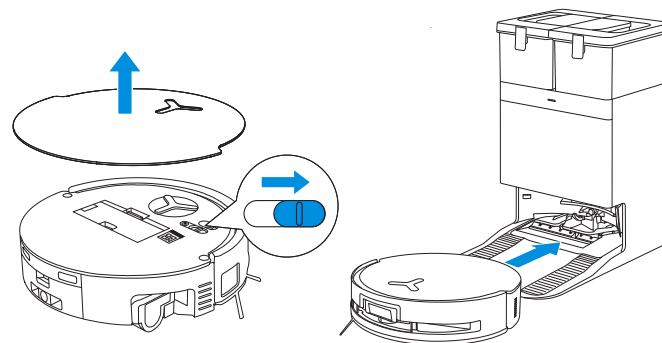


Note:

- If there are reflective objects such as mirrors and skirting lines near the OMNI station, the bottom 14 cm of them should be covered.
- Do not place the OMNI Station under direct sunlight.
- Place the Station in a location with a strong Wi-Fi signal.

3 Power ON and Charge the Robot

Turn on the Power Switch under the robot's cover ('I' indicates power on, and 'O' indicates power off). Place the robot in front of the station, ensuring the Station is connected to a power supply. Use the ECOVACS HOME App or voice command to recall the robot to start charging at the OMNI station, or long press the robot button  for 3 seconds, and it will return to the station to charge.



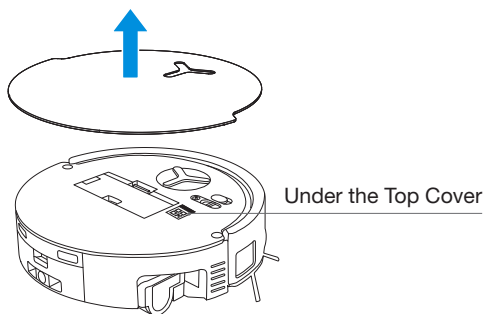
Note:

- The robot can't be charged when the power is turned off.
- After the robot finishes its cleaning task, it is recommended not to power it off but to keep it charging, to better prepare for the next cleaning session.
- It is recommended that the robot start cleaning from the OMNI station. Do not move the OMNI station while cleaning.

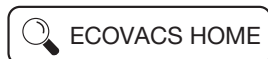
4 Download the ECOVACS HOME App

Download the ECOVACS HOME App to enjoy more features.

You may scan the QR Code on the robot to download the App.



Or search for the ECOVACS HOME in your mobile app store to download the App.



Note: Follow the guide of the App to register, log in, and connect the product with the App.

5 Connect Robot with App

Via Bluetooth: Turn on the robot and mobile phone Bluetooth. Allow the App to obtain mobile phone Bluetooth permission. Tap to scan the QR Code on the robot or tap  or  in the App to find the nearby robot.

Via Wi-Fi: You can also choose to connect the robot with the App through other methods according to the prompts on the App's page.

Note: Please connect via Bluetooth for a better experience.

Wi-Fi Network Requirements:

- You are using a 2.4GHz or 2.4/5 GHz mixed network.
- Your router supports 802.11b/g/n and IPv4 protocol.
- Do not use a VPN (Virtual Private Network) or Proxy Server.
- Do not use a hidden network.
- WPA and WPA2 using TKIP, PSK, AES/CCMP encryption.
- WEP EAP (Enterprise Authentication Protocol) is not supported.
- Use Wi-Fi channels 1-11 in North America and channels 1-13 outside North America (refer to local regulatory agency).
- If you are using a network extender/repeater, the network name (SSID) and password are the same as your primary network.
- Please enable the WPA2 on your router.

Wi-Fi Indicator Light

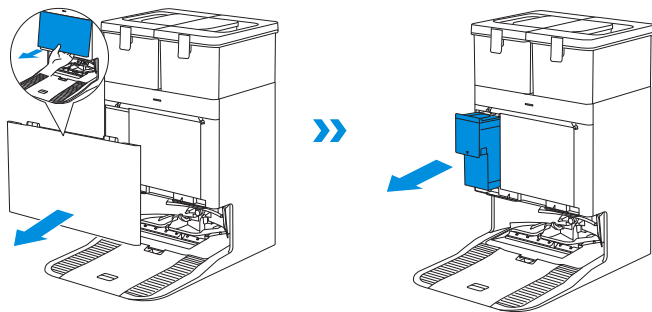
	White Flashing Slow	Disconnected to Wi-Fi
	White Flashing Fast	Connecting
	Solid White	Connected to Wi-Fi

Please note that to access smart features such as remote startup, voice interaction, 2D/3D map display and control settings, and personalized cleaning (features may vary depending on the product), you'll need to download and use the ECOVACS HOME App, which receives constant updates. You must agree to our Privacy Policy and User Agreement before we can process some of your basic and necessary information and enable you to operate the product via the ECOVACS HOME App. Without your agreement, some of the aforementioned smart features cannot be accessed through the ECOVACS HOME App. Nevertheless, you can still use the products' basic functions for manual operation.

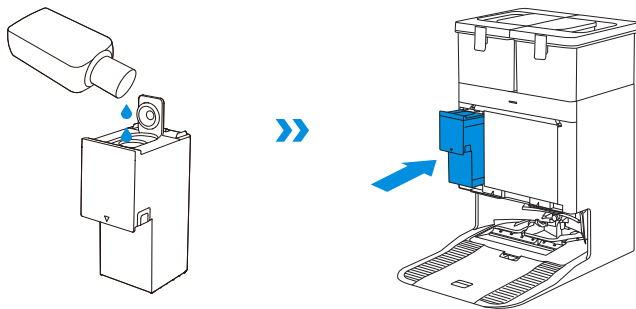
6 Add Cleaning Solution (sold separately)

For the Station with Solution Auto-refill Module, please follow the steps below:

1. Take off the dust container cover, pull out the cleaning solution unit, and place it on a level, hard surface.

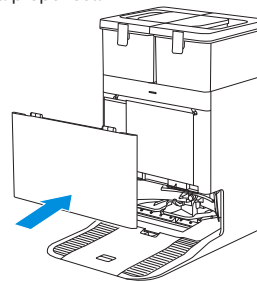


2. Unlid the cleaning solution unit and fill it with ECOVACS cleaning solution. Put the lid on and the unit back to the station.



Note: Cleaning solution is pumped automatically from the cleaning solution unit. Do not add cleaning solution to the water tanks.

3. Insert the top latch of the dust container cover into the slot, and then press downward to ensure a proper seal.



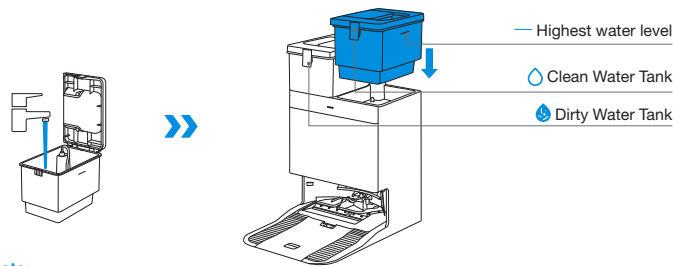
Note:

- Please use ECOVACS cleaning solution in case of malfunction.
- Please make sure that no foreign objects fall into the cleaning solution unit.

7 Clean Water Tank Refill and Cleaning Solution (sold separately)

For the Station without Solution Auto-refill Module, please follow the steps below:

Fill the clean water tank with water up to the maximum water level line. Then, using a 1:200 dilution ratio, pour an appropriate amount of cleaning solution into the tank with the bottle cap. Secure the tank cover, gently shake to mix, and then use.



Note:

- Use a clean, dry cloth to wipe off the water on the surface of the tank before putting it in place.
- Please lock the top covers of water tanks tightly before use.
- The water drops in the Water Tank are left over from the function test, please rest assured to use.
- If the product has a Solution Auto-refill feature, please follow the steps 6 to fill.

8 Start Cleaning

1. Start Mapping

Please use the ECOVACS HOME App or voice command to generate the map.

When creating a map for the first time, please follow the robot to help eliminate some minor issues. For example, the robot may get stuck under the furniture. Please refer to the following solutions:

1. Raise the low sitting furniture if possible;

2. Cover the bottom of the furniture;

3. Set up virtual boundary via the App.

When mapping, the robot will explore the house environment automatically. The exploration path may be different from cleaning path.

2. Start Cleaning

- The robot's water tank is automatically refilled through the OMNI station. Manual refilling is not needed.
- When mopping, the robot will recognize floor types and is able to lift mops automatically when encountering carpets. Please do not use the robot on shaggy rugs or carpets with fibres longer than 10 mm. It is recommended to fold up the shaggy rugs with fibres longer than 10 mm during the cleaning process, or go to Map > Carpet Cleaning Strategy in the ECOVACS HOME App to set the shaggy carpeted area as a No-Entry Zone.

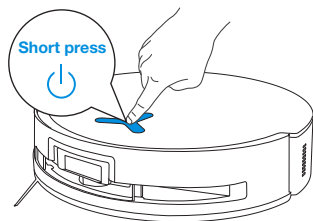
Before cleaning for the first time, please make sure the robot is in the OMNI station and fully charged. Tap  button on the robot to start cleaning. You can also use the ECOVACS HOME App or voice control to start cleaning.

3. Pause

Tap  on the robot to pause while it is working. You can also use the ECOVACS HOME App or Voice Control to pause the robot.

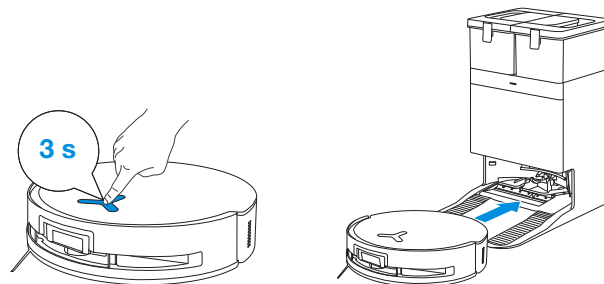
4. Wake up

After pausing for a while, all indicator lights on the robot will go out. To wake up the robot, short press . After stopping working for about 1h, the robot may enter standby mode.



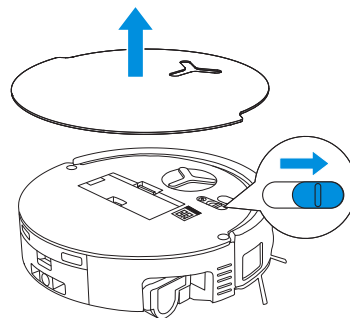
5. Return to OMNI Station

Use the ECOVACS HOME App or long press the robot button  for 3 seconds to recall the robot back to the Station for charging.



6. Deep Sleep Mode

The robot will enter Deep Sleep Mode to protect the battery if it stays outside the OMNI station for about 10h. Please switch OFF and ON to wake up the robot.



REGULAR MAINTENANCE

1 Maintenance Frequency

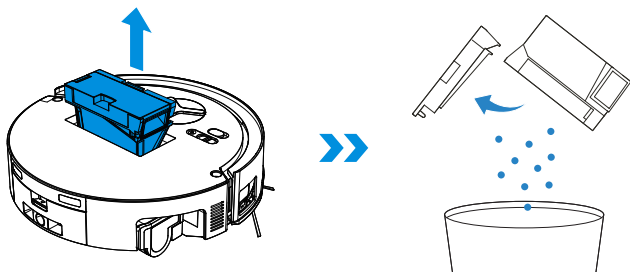
To ensure optimal performance, perform maintenance tasks and replace parts at the following frequencies:

Part	Maintenance Frequency	Replacement Frequency
Replaceable Roller Mop	Every week	Every 1-2 months
Water Tray	Every week	/
Dirty Water Box	Every week	/
Solution Auto-refill Module	Every month	/
Dust Bag	/	Every 2-3 months
Side Brush	Every 2 weeks	Every 3-6 months
Main Brush	Every week	Every 6-12 months
Filter	Every week	Every 3-6 months
Edge Sensor Universal Wheel Anti-drop Sensors Bumper Charging Contacts on Robot Charging Contacts on OMNI Station d-ToF Laser Module AI/VI Camera	Approx. every month	/
Clean Water Tank	Every 3 months	/
Dirty Water Tank	Every month	/
Dust Container Inside	Every month	/
Body and Bottom of Station	Every month	/
Detachable Tray	Every 5 months	/

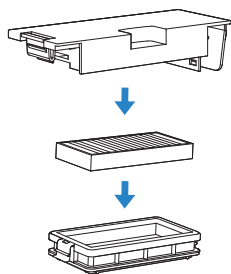
Note: Explore more accessories at the ECOVACS HOME App or at <https://www.ecovacs.com>.

2 Dust Bin

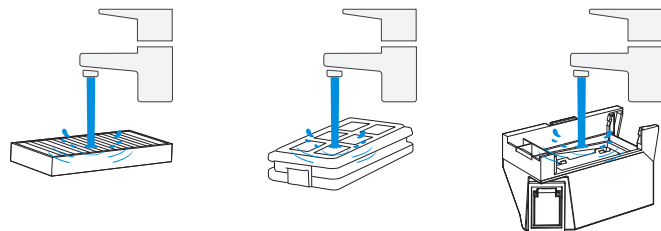
1. Remove the dust bin and then open its cover to empty the bin.



2. Open the dust bin cover to remove the filter and filter net.



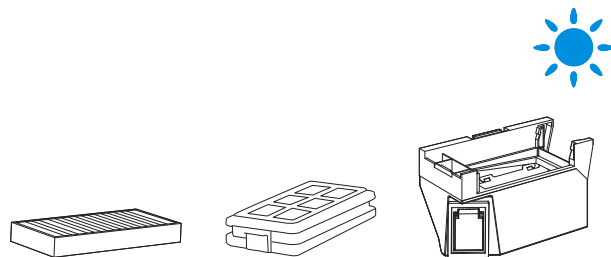
3. You can rinse the components. Afterwards, give them a good shake to remove leftover water droplets.



Note:

- Please rinse the filter with water as shown above.
- Do not use finger or brush to clean the filter.

4. Air-dry the dust bin and filter.

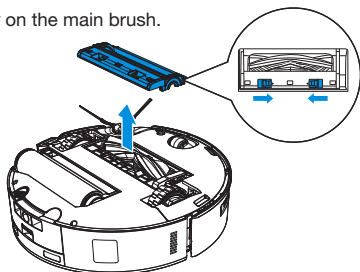


Note: Completely dry the filter before use.

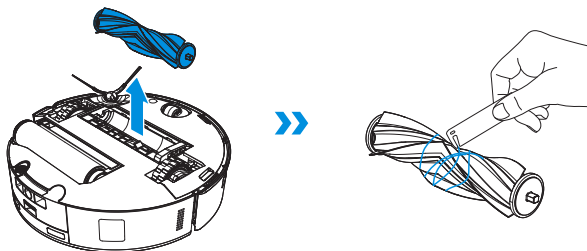
3 Maintain Main Brush and Side Brush

Clean the Main Brush.

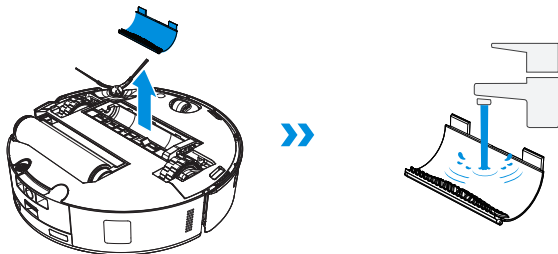
1. Remove the cover on the main brush.



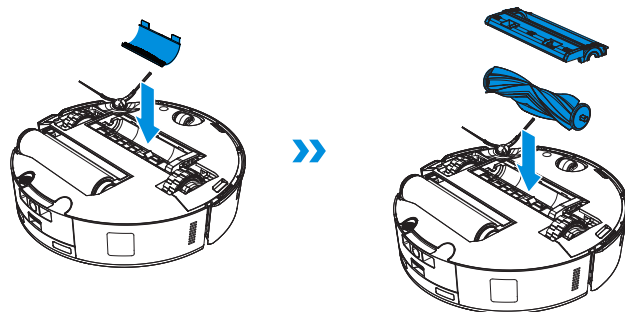
2. Remove and clean the main brush.



3. Remove and clean the brush comb.

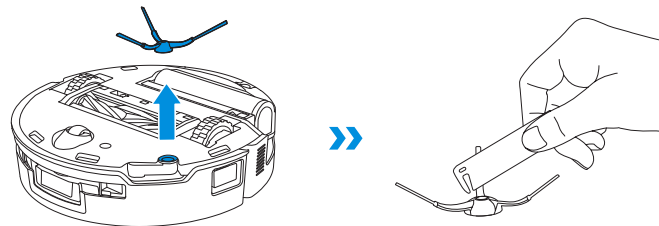


4. Install gear, main brush and main brush cover.



Clean the Side Brush.

Remove and clean the side brush.

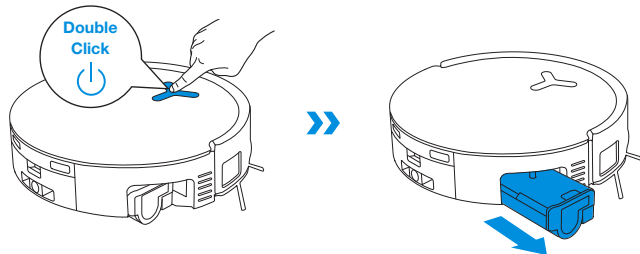


Note: Explore more accessories in the ECOVACS HOME App or at <https://www.ecovacs.com>.

4 Roller Mop, Water Tray and Dirty Water Box.

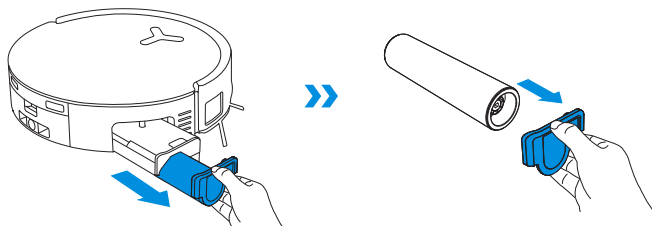
Clean the Roller Mop.

1. Double click  button to release roller mop component.

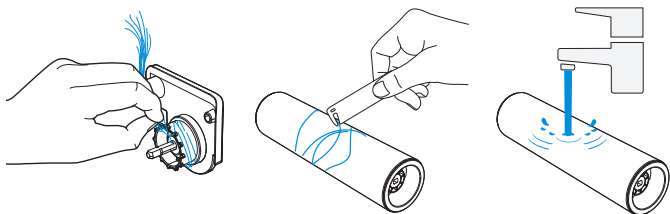


Note: Please avoid excessive force when handling the roller; it should be removed and placed with care.

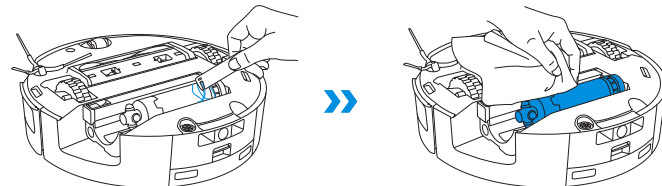
2. Press the latch to remove the roller mop.



3. Clean the roller mop.

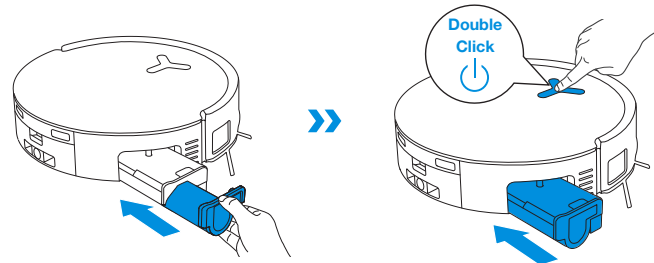


4. Clean the inside of roller mop.



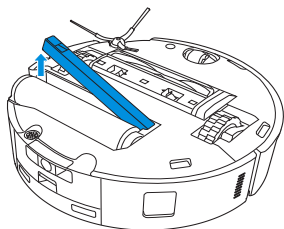
Note: Do not use water to clean the main body.

5. Push roller mop into roller end cover and double click  button to retract.



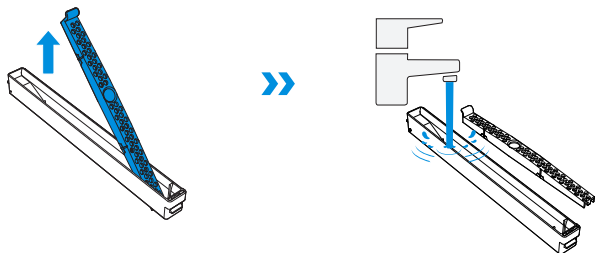
Clean Water Tray

1. Remove water tray.

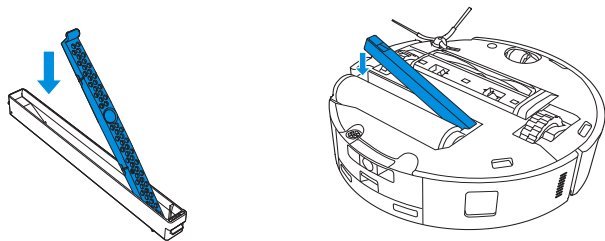


Note: A small amount of residual water may leak out when flipping the robot if it's not in drying mode.

2. Remove and clean water tray components.

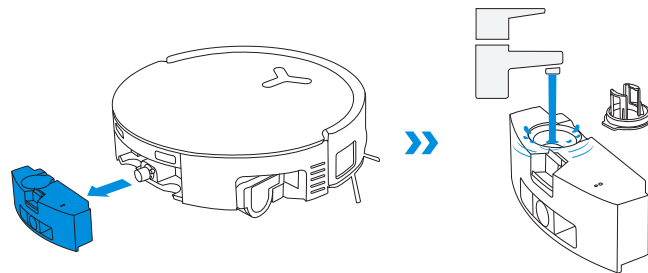


3. Please install water tray components as shown in the illustration.

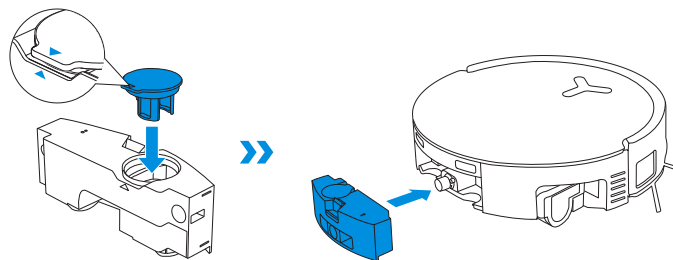


Clean Dirty Water Box

1. Remove and clean dirty water box.

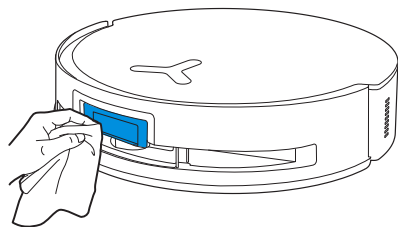


2. Press the dirty water box cover firmly in the guided direction until its plane is completely flush with the upper edge of the box to ensure a tight seal.

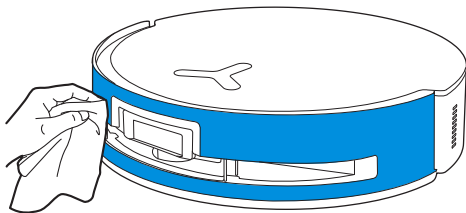


5 Maintain Other Components

Clean the Sensor Lens

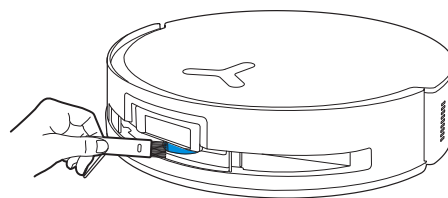


Clean the Bumper



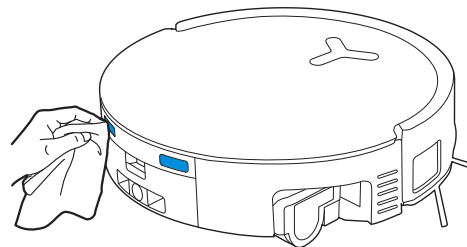
Note: Use a dry cloth when cleaning the anti-drop sensors and bumper to prevent water damage.

Clean d-ToF Laser Module



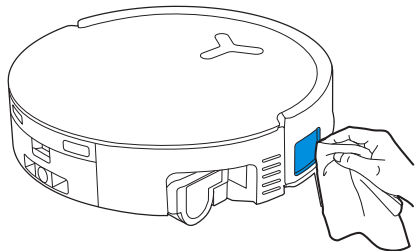
Note: Rotate the module lens to the front and clean it gently with a brush when cleaning the laser module.

Clean Charging Contacts

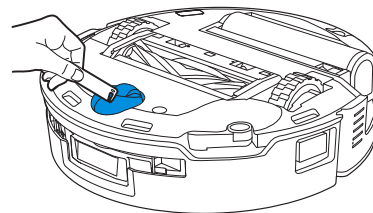


Note: Wipe the contacts with a dry cloth. Avoid using a wet cloth to prevent water damage.

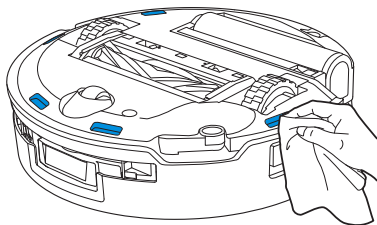
Clean Edge Sensor



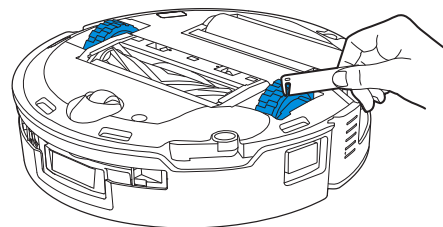
Clean Universal Wheel



Clean Anti-drop Sensors



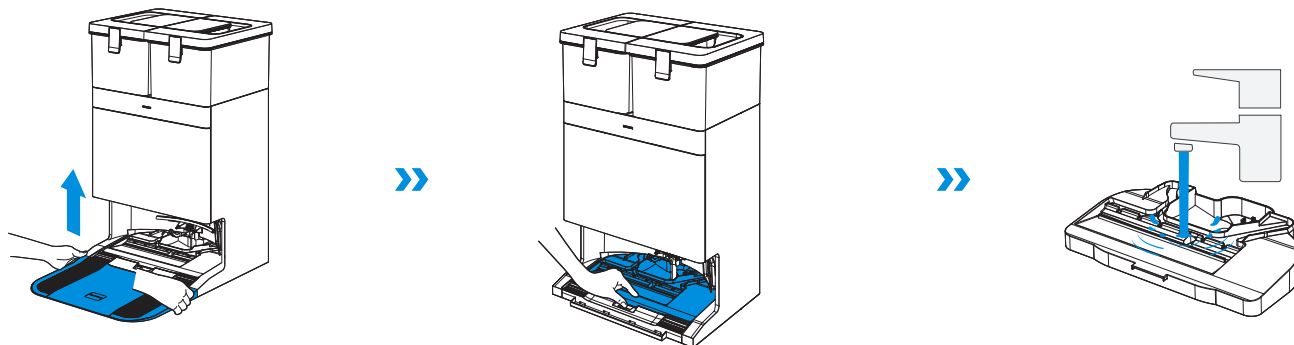
Clean Driving Wheels



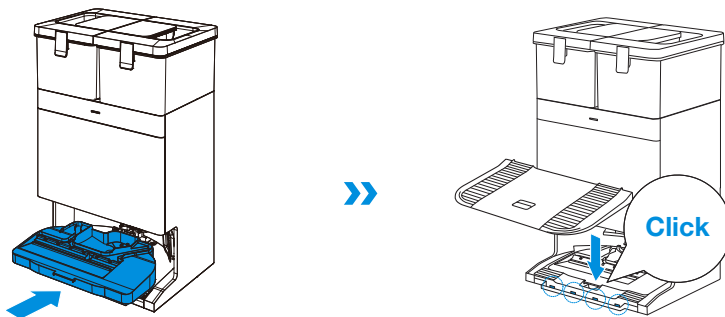
Note: Use a dry cloth when cleaning the charging contacts to prevent water damage.

6 Mop Washing Tray

1. Remove and clean detachable tray and base.



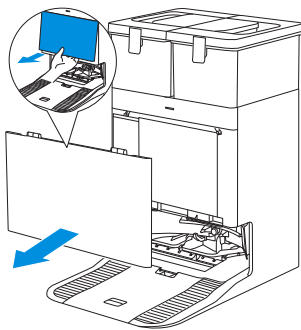
2. Install detachable tray and base.



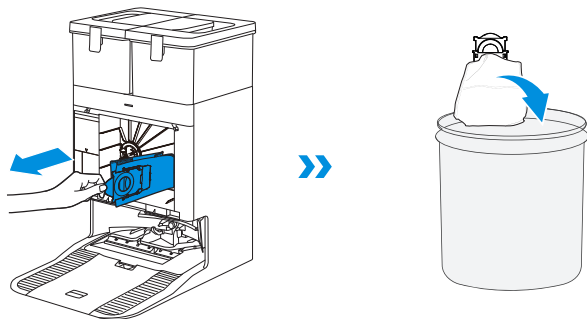
Note: Please install the detachable tray and base properly to prevent malfunction.

7 Dust Bag

1. Remove dust container cover.

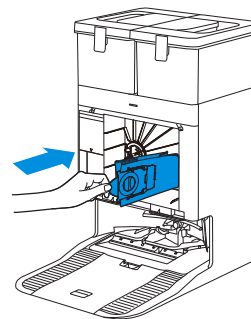


2. Remove the disposable dust bag in the direction of the arrow and discard it.

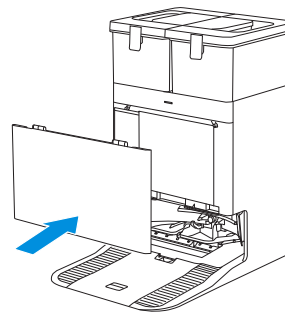


Note: Hold the Handle to lift out the Dust Bag, which can effectively prevent dust leakage.

3. Clean the dust container with a dry cloth and install a new dust bin.

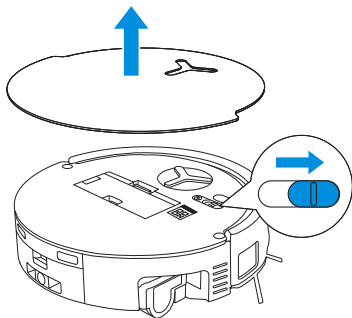


4. Insert the top latch of the dust container cover into the slot, and then press downward to ensure a proper seal.



8 Storage

Please fully charge and switch OFF the robot before storage. Please recharge it every 1.5 months to prevent the battery from over-discharge.



! Please note that the robot cannot charge when powered OFF.

Note:

- After the robot finishes its cleaning task, it is recommended not to power it off but to keep it charging, to better prepare for the next cleaning session.
- If the battery is over-discharged or not used for a long time, the robot may not be charged. Please contact ECOVACS for help. Do not disassemble battery by yourself.
- If you do not use the product for a long time, keep the dirty water box, water tanks empty and the mop dry.

TROUBLESHOOTING

For the following possible issue, refer to the corresponding solutions.

No.	Malfunction	Possible Cause	Solution
1	The robot is not able to connect to the ECOVACS HOME App.	Incorrect Wi-Fi username or password entered.	Enter the correct Wi-Fi username and password.
		The robot is not within range of your home Wi-Fi signal.	Make sure the robot is within range of your home Wi-Fi signal. Try to stay as close to the Wi-Fi signal as possible.
		The robot is not in the configuration state.	Press the reset button to connect the robot to your phone by Bluetooth. If failed, please press the reset button +  and to connect via the ECOVACS HOME App.
		There is no home Wi-Fi on the Wi-Fi list.	1. Check if the Wi-Fi name contains special characters. Please do not use special characters like !@#& ¥%^. 2. Do not use a 5 Ghz network.
		Incorrect app installed.	Please download and install the ECOVACS HOME App.
2	Unable to create the furniture map in the App.	Move the robot when cleaning might cause the map to be lost.	During cleaning, do not move the robot.
		Auto cleaning is not finished.	Make sure the robot automatically return to the OMNI station after cleaning.
3	The side brush drops out of place during use.	The side brush is not properly installed.	Make sure the side brush clicks into place.
4	No signal found. Unable to return to the OMNI station.	The OMNI station is incorrectly placed.	Please place the OMNI Station correctly according to the instructions in the [Quick Start] section.
		The OMNI station is out of power or moved.	Check whether the OMNI station is connected to the power supply. Do not move the OMNI Station.
		The robot does not start cleaning from the OMNI station.	It is recommended that the robot starts cleaning from the OMNI station.
		The charging route is blocked. For example, the door of the room with the OMNI station is closed.	Keep the charging route clear.
5	The robot returns to the station before it has finished cleaning.	The room is so large that the robot needs to return to recharge.	Please enable Auto Resume. For more details, please follow the App instructions.
		In highly complex home layouts, cleaning efficiency may decrease, possibly resulting in incomplete cleaning.	Tidy up the area to be cleaned by putting furniture and small objects in their proper place.

No.	Malfunction	Possible Cause	Solution
6	The robot is unable to charge.	The robot is not switched ON.	Switch ON the robot.
		The robot's charging contacts are not connected to the OMNI station's charging contacts.	Make sure that the robot's charging contacts have connected to the station's charging contacts and  flashes. Check whether the robot's and OMNI station's charging contacts are dirty. Please clean these parts according to the instructions in the [REGULAR MAINTENANCE] section.
		The OMNI station is not connected to the power supply.	Make sure the OMNI station is connected to the power supply.
		Base has not been installed in place.	Refer to the [Quick Start] for correct installation.
7	The robot is very loud during cleaning.	The main brush/side brush is tangled, or the dust bin/roller mop/filter is blocked.	It is recommended to clean the main brush, side brush, dust bin, roller mop, filter, etc. regularly.
		The robot is in Strong or Max Mode.	Switch to standard mode.
8	The robot gets stuck while working and stops.	The robot is tangled with objects on the floor (electrical wires, curtains, carpet fringing, etc.)	The robot will try various ways to free itself. If it is unsuccessful, manually remove the obstacles and restart.
		The robot might be stuck under furniture with an entrance of similar height.	Please raise the furniture, set a physical barrier, or set a virtual boundary via the ECOVACS HOME App.
		The robot is stuck in a narrow area.	Tidy up your home, set a physical barrier, or set a virtual boundary via the ECOVACS HOME App.
9	The following problems appear when the robot is working: disordered cleaning route, deviation from the cleaning route, repeated cleaning, or missing of small areas to be cleaned. (If there is a large area that has not been cleaned temporarily, the robot will automatically clean the missed area. Sometimes the robot will re-enter a cleaned room, which may not be a repeated cleaning, but the robot finding any missed area.)	Objects such as wires and slippers placed on the ground block the robot.	Before cleaning, please tidy up scattered wires, slippers, and other objects on the ground as much as possible. If there are any missed areas, the robot will clean them by itself, please do not interfere (such as moving the robot or blocking the route).
		The off-road wheels may slip on the ground when the robot climbs steps, thresholds, and door bars, which can affect its judgement of the entire home environment.	It is recommended to close the door of the affected area and cleaning it separately. After cleaning, the robot will return to its starting location. Please feel confident in using this method.
		On freshly waxed or polished floors, as well as smooth tiles, there may be less friction between the off-road wheels and the floor.	Please wait for the wax to dry before cleaning.
		Due to different home environments, some areas cannot be cleaned.	Tidy up your home to ensure that the robot can enter the areas to be cleaned.

No.	Malfunction	Possible Cause	Solution
10	Delay in remote control.	The Wi-Fi signal is poor, causing the video loading to be slow.	Use the robot in areas with good Wi-Fi signal.
11	After returning to the OMNI station, the robot does not empty its dust bin.	The Auto-Empty function has not been turned on in the ECOVACS HOME App.	Turn on the Auto-Empty function in the ECOVACS HOME App.
		Manually moving the robot back to the OMNI station may not trigger the Auto-Empty function.	It is recommended to allow the robot return to the OMNI station on its own. Please do not manually move it.
		In Do Not Disturb mode, the robot will not empty the dust after returning back to the OMNI station.	Turn off do not disturb in the ECOVACS HOME App or manually start dust-emptying.
		OMNI station detects a decrease in empty efficiency.	Replace the dust bag according to the [REGULAR MAINTENANCE] section and close the dust container. If the dust bag is not full when prompted by the App, you can put it back again.
		If the above possible causes have been ruled out, components of the OMNI station may be abnormal.	Please contact customer service for assistance.
12	Auto-Empty unsuccessful.	OMNI Station detects a decrease in empty efficiency.	Replace the dust bag according to the [REGULAR MAINTENANCE] section and close the dust container. If the dust bag is not full when prompted by the App, you can put it back again.
		The outlet of the dust bin is blocked by foreign objects.	Remove the dust bin and clear the foreign objects on the outlet.
13	The inner side of the dust container is dirty.	Fine particles pass through the dust bag and accumulate on the inner side of the dust container.	Clean the inner side of the dust container.
		The dust bag is broken.	Check and replace the dust bag.
		The dust bag is not properly installed.	Please install the dust bag properly.
		The dust container cover is not closed.	Please check if the dust container cover is closed properly.
14	Dust leakage occurs while the robot is working.	The outlet of the dust bin is blocked by foreign objects.	Remove the dust bin and clear the foreign objects on the outlet.
15	Roller mop can not rotate.	Roller mop is not properly installed.	Install the roller mop properly according to the [REGULAR MAINTENANCE] section.
		Roller mop gets stuck by foreign objects.	Clean the roller mop properly according to the [REGULAR MAINTENANCE] section.

No.	Malfunction	Possible Cause	Solution
16	Driving wheels are stuck.	The driving wheels are entangled or stuck due to foreign objects.	Rotate and press the driving wheels to check for any wrapping or obstruction by foreign objects. If any foreign objects are found, please clean them promptly. If this issue persists, please contact customer service for assistance.
17	When mop washing tray is full of water that cannot be drained out, the voice reports that the mop washing Tray malfunction.	The dirty water tank is not properly installed.	Tap down on the dirty water tank to ensure it is properly installed.
		The sealing plugs in the dirty water tank are not installed properly.	Make sure that the two sealing plugs are properly installed.
		Mop washing tray is not properly installed.	Make sure the mop washing tray is properly installed.
		Mop washing tray base gets dirty.	Rinse the mop washing tray base with clean water.
		Check if the floating ball gets stuck when there is no water in the mop washing tray base.	Remove the mop washing Tray to put the floating ball back in its original place.
		The OMNI station cannot drain water normally.	Put the robot into the station and double tap  , if the issue persists, please contact our customer service for help.
		The suction port of the mop washing tray is blocked by foreign objects.	Ensure that there is no foreign object in the suction port of the mop washing tray.
		The voice prompt still exists after trying the above solutions.	Plug and unplug the OMNI station. If this issue persists, please contact customer service for assistance.
18	Dirty water box malfunction.	The draining mouth of dirty water box gets blocked and the draining pole can't work normally.	Remove and empty the dirty water box, and then rinse it and reinstall. If this issue persists, please contact customer service for assistance.

Please contact our customer service for assistance if the problem persists despite the recommended solutions.

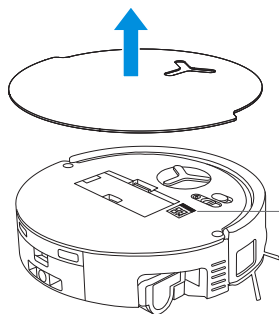
TECHNICAL SPECIFICATIONS

Model	DEX56		
Rated Input	20 V === 2 A	Charging Time	about 4.5 h
Station Model	CH2453F/CH2453H		
Rated Input	220-240 V ~ 50-60 Hz	Rated Output	20 V === 2 A
Rated Input Current (Charging)	0.5 A	Power (Emptying)	650 W
Power (Hot Water Washing Mop)	1650 W		
Networked Standby Power	Less than 2.00 W		

Output power of the wireless module is less than 100 mW.

Note: Technical and design specifications may be changed for continuous product improvement.

Explore more accessories at <https://www.ecovacs.com>.



Please use the mobile camera to scan the QR code and obtain the user guide.

重要安全指示

重要安全指示

使用電器設備時，應務必遵守基本注意事項，包括下列各項：

使用本產品前請仔細閱讀所有指示

妥善保管這些指示

1. 除非有負責其安全者監督或解說如何使用本產品，否則兒童以及生理、感官或精神能力不足或缺乏相關經驗與知識者，不可使用本產品。
2. 請看好兒童，確保他們不會將本產品當作玩具。
3. 清潔前請先清空需要清潔的區域。移除地板上可能會纏繞本產品的電線和小型物品。將地毯的流蘇邊塞到地毯下，並將窗簾和桌布等物品提高，使其不會接觸到地板。
4. 如有臺階或樓梯等懸空區域，請先測試產品，看其是否可以偵測到臺階而不會從邊緣掉落。如有掉落的風險，則必須在邊緣放置實體柵欄，以防止本產品掉落。請確保實體柵欄不會導致絆倒。
5. 請僅依照操作手冊所述的方式使用產品。請僅使用製造商推薦或銷售的配件。
6. 僅供居家室內使用。請勿在戶外、商業或工業環境中使用本產品。

7. 請勿在未安裝塵盒和 / 或濾材的情況下使用本產品。
8. 請勿在有點燃蠟燭或易碎物品的區域內操作本產品。
9. 請將頭髮、寬鬆的衣服、手指和身體的所有部位遠離任何開口和運作零件。
10. 請勿在極端高溫或低溫環境中使用和存放機器人（低於 -5°C / 23°F 或高於 40°C / 104°F）。請在 0°C / 32°F 以上和 40°C / 104°F 以下的溫度範圍內為機器人充電。
11. 請勿於嬰幼兒正在睡覺的房間內操作本產品。
12. 請勿在潮濕或積水的表面上使用本產品。
13. 請勿讓本產品吸入大型物品（例如石頭）、大型紙張或任何可能堵塞本產品的物品。
14. 請勿使用本產品吸取易燃物或可燃物（例如汽油、印表機或影印機碳粉），或在可能有這些物品的區域內使用本產品。
15. 請勿使用本產品吸取任何正在燃燒或冒煙的物品，例如香煙、火柴、灰燼，或任何可能引起火災的物品。
16. 請勿將物品放入吸口處。吸口處堵塞時請勿使用本產品。請清理吸口處的灰塵、棉絮、毛髮，或任何可能會減少氣流的物品。
17. 如果電線損壞，則必須由製造商或其維修代理商進行更換，以避免危險。

18. 在清潔或保養本產品前，請先關閉電源開關。
19. CH2453F / CH2453H 適用的鋰電池類型：
最多 8 個電池、最大額定電壓 DC 14.4V、額定容量 5,800mAh / 4,800mAh。在丟棄本產品前，必須先按照當地的法律和法規取出並丟棄電池。
20. 請按照當地的法律和法規處理舊電池。
21. 即使本產品已嚴重損壞，也請勿焚燒。電池在火中可能會爆炸。
22. 請務必依照本操作手冊中的指示使用本產品。
如因不當使用造成任何損害或傷害，Ecovacs Home Service Robotics 概不負責。
23. 本機器人包含僅可由專業人員更換的電池。若需更換機器人電池，請聯絡客戶服務。
24. 確保電源電壓符合 OMNI 全能基座上標註的電壓。
25. 僅使用製造商專為產品配備的原裝可充電電池及 OMNI 全能基座。嚴禁使用非充電式電池。
26. 請小心不要損壞電線。禁止利用電源線拖曳或提拉產品及 OMNI 全能基座、禁止將電源線當作提把、禁止把電源線夾在門縫裡、禁止在尖銳和彎角處拉動電源線。請勿讓本產品輾過電線。請讓電線遠離高溫表面。
27. 禁止使用損壞的 OMNI 全能基座。電源供應器不可維修，若發生損壞或故障，則不應再使用。
28. 電線或插座已損壞時，請勿使用本產品。當產

品或 OMNI 全能基座因跌落、損壞、室外使用或進水導致無法正常工作時，請勿使用。為避免危險，產品必須由製造商或其維修代理商進行維修。

29. 在清潔和維護 OMNI 全能基座前必須先將插頭從電源插座拔出。
30. 在丟棄產品前，請先將產品從 OMNI 全能基座上取下、關閉產品電源開關並取出電池。
31. 若長時間不使用 OMNI 全能基座，請拔除 OMNI 全能基座電源插頭。
32. 若長時間不使用主機，將主機關機後再行存放，並拔除 OMNI 全能基座電源插頭。
33. 警告 - 淨水箱中僅能加入清水。
- 34. 警告：**若要為電池充電，請僅使用本產品隨附的外接式供電裝置 CH2453F / CH2453H。為滿足射頻暴露需求，裝置作業期間應與人身保持 20 公分或更遠的間隔距離。

為確保合規，不建議於少於此距離的狀況下作業。此發送器所使用的天線不得與其他天線或是發送器放置於同一地點。

裝置更新

有些裝置通常會兩個月更新一次，但不是每次都非這麼做不可。

有些裝置（尤其是三年多前就已經上市的裝置）只有在發現並修復嚴重漏洞後，才會進行更新。

	注意：表面高溫
	短路防護安全隔離變壓器
	交換式電源供應器
	僅供室內使用
	直流電
	交流電
	充電前，請閱讀指示。
	充電埠的正負極方向
	延時微型保險絲

如為歐盟國家

若要參閱歐盟符合性聲明，請造訪 <https://www.ecovacs.com/global/compliance>

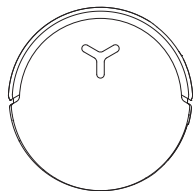


請正確丟棄本產品

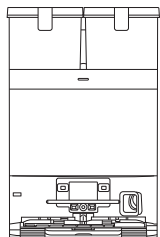
此標誌表示在歐盟不能以丟棄家庭垃圾的方法處置本產品。為防止未受控制的廢物處理對環境或人體健康造成危害，請以負責任的方式回收，確保物質資源的可持續運用。如要回收使用後的裝置，請利用退還及回收系統，或聯絡當初將產品販售給您的銷售商。銷售商能安全回收本產品。

包裝內容

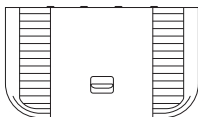
① 包裝內容



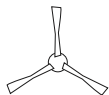
機器人



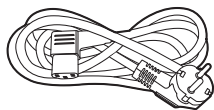
全能基站



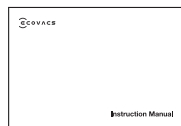
底座



邊刷



電源線



使用說明書

附註:

* 圖表和插圖僅供參考，可能與實際產品外觀有所不同。產品設計及規格如有變更，恕不另行通知。

② 產品圖解

1. 機器人正面視圖

機器人上的按鈕

短按：開始 / 暫停

長按 3 秒：返回充電

輕按兩下：滾筒拖布釋放 / 收回
(機器人不在基站內)

TrueDetect 3D
感應器

AVI 攝影機

d-ToF 雷射模組

頂蓋

防撞桿

2. 機器人底部視圖

防掉落感應器

邊刷

地毯偵測感應器

刷子釋放按鈕

水槽

可換式滾筒拖布

萬向輪

主刷

驅動輪

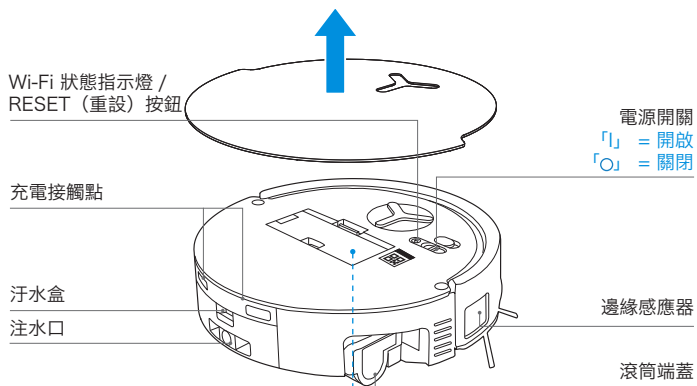
防掉落感應器

3. 內部視圖 (蓋板下方)

RESET (重設) 按鈕

網路設定: 按下 RESET (重設) 按鈕並依照語音提示設定網路。

恢復預設設定: 長按 RESET (重設) 按鈕 5 秒。聽到語音提示後, 接著會播放啟動音樂, 此時機器人會恢復預設設定。

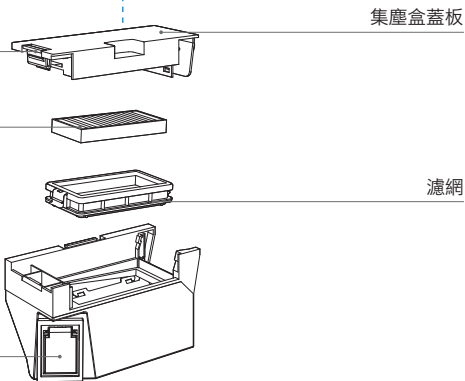


4. 集塵盒

過濾器卡扣

過濾器

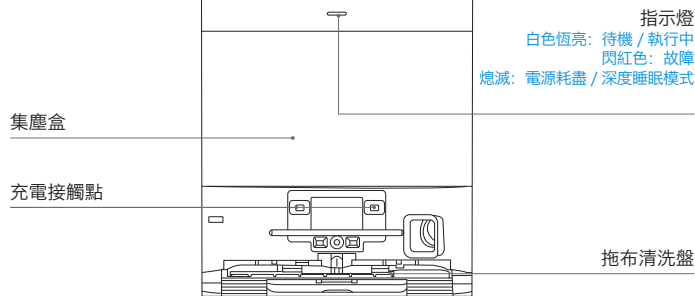
清理口



5. 全能基站正面視圖

污水箱

淨水箱

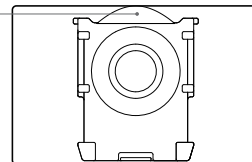


附註:

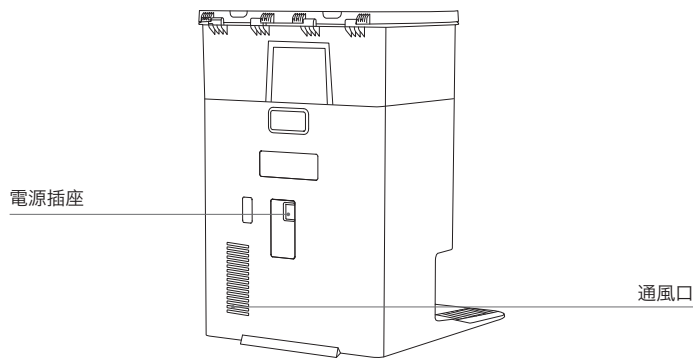
- 如果指示燈閃爍紅色, 請前往 ECOVACS HOME 應用程式瞭解故障的詳細資訊。
- 如果機器人無法充電, 請用乾布擦拭多功能基站上對應的充電接觸點。

6. 集塵袋

集塵袋把手



7. 全能基站背面視圖



8. 感應器

產品圖解	功能說明
d-ToF 雷射模組	雷射測距可根據反射時間差來測量機器人與周圍物體之間的距離，使模組能夠在機器人移動時映射周圍物體。偵測範圍為 12 公尺。
TrueDetect 3D 感應器	透過紅外線測距和相似三角形的概念，感應器會發射紅外線並接收前方物體發出的光線，從而計算出物體與機器人之間的距離。當感應器偵測到附近有物體時，機器人會自動轉彎以免碰撞物體。檢測範圍為 0.3 公尺。
防掉落感應器	紅外線測距是透過機器人底部的感應器來測量機器人底部與地面之間的高度。例如，當位於樓梯頂部，白色地面高出超過 55 公釐或黑色地面高出超過 30 公釐時，機器人就會停止前進，以此功能防止掉落。
地毯偵測感應器	超音波探頭可發射頻率為 300KHZ 的超音波。超音波的能量可以被地毯吸收。如果反射能量低於臨界值，機器人就會辨識出地毯的存在。根據 ECOVACS 實驗室測試，目前可成功辨識市場的超過 50 款地毯。
防撞感應器	發射的訊號被物體阻擋時，訊號接收器就無法接收。利用此原理，機器人遇到障礙物時會避開。
邊緣感應器	透過 ToF 測距，機器人可以偵測自身與其右側物體之間的距離。當右側有牆壁或障礙物時，機器人會進行邊緣清潔，避免遺漏髒汙處或碰撞。
AIvI 攝影機	使用 AI 攝影機擷取周圍環境影像。 * 進行視訊錄製。透過與 MIC 互動，可實現遠端視訊通話（適用於部分機型）。
麥克風	人聲穿過空氣引起麥克風振膜的振動。因此，麥克風利用聲音模型的收集和演算法，做到機器人的錄音和語音控制，以完成特定的任務。有效喚醒距離為 5 公尺。

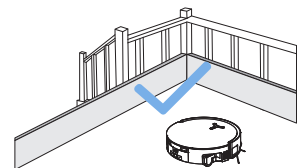
清潔前注意事項

1 警告



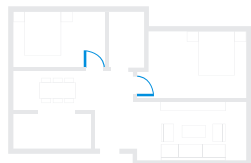
完成區域準備

將椅子等家具放置在適當的位置，將要清潔的區域整理好。



設立防護障礙物

可能需要在高低差較大的邊緣放置實體障礙物，以免機器人從邊緣掉落。



請保持房門敞開

首次使用時，請確認每個房間的門都打開，以利機器人充分探索您的房屋。



將地板上的纜線、衣物、拖鞋等物品收起來，以提高清潔效率。



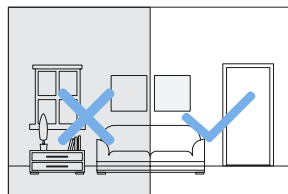
在地毯或流蘇邊地毯上使用本產品之前，請將地毯折起並將流蘇塞到地毯下方。



請勿站在門口、走廊等狹窄空間，且在機器人辨識區域時，切勿阻擋機器人的路徑。



確認機器人視線的清晰度，避免指甲或油漬刮傷或弄髒人工智慧攝影機鏡頭。使用乾淨的軟布擦拭攝影機，請勿使用清潔劑、去污劑或噴霧劑。



提供充足的照明

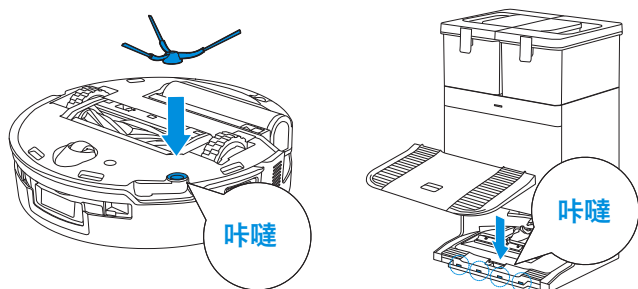
機器人可以避開鞋子、插座和電線等，請確保所有待清潔的區域都有良好的照明，進而提高避開障礙的能力。

② 快速入門

使用前，請先除去機器人和多功能基站上的所有防護材料。

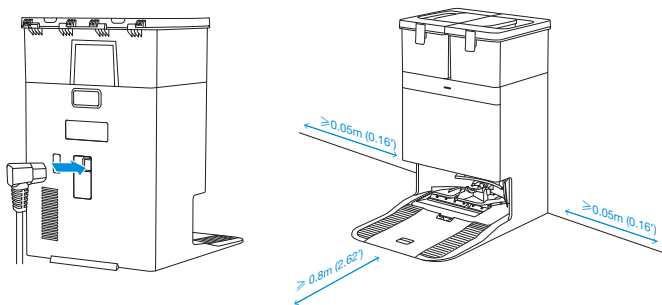
1. 安裝

聽到「咔嚓」聲表示安裝正確。



2. 電源線連接和基站定位

將基站靠牆放置在水平、穩固的地面上。確保基站兩側 0.05 公尺及正前方 0.8 公尺的範圍內沒有物體。

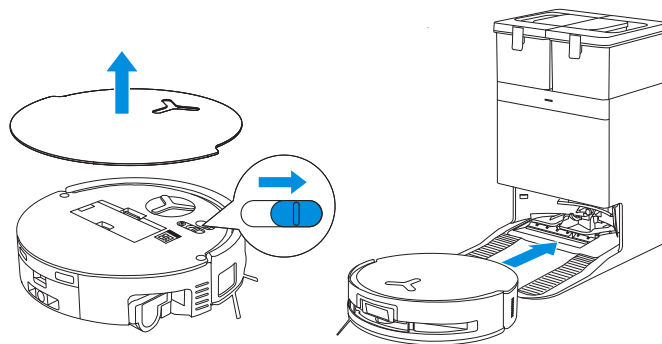


附註：

- 若全能基站附近有鏡子、踢腳板等反光物體，則應覆蓋其底部（遮蔽高度至少達 14 公分）。
- 請勿將全能基站放置於陽光直射的地方。
- 將基站放置在 Wi-Fi 訊號較強的位置。

③ 開啟機器人電源並為其充電

開啟機器人蓋板下方的電源開關（「I」表示電源已開啟，「O」表示電源關閉）。將機器人置於基站前方，確保基站已連接電源。使用 ECOVACS HOME 應用程式或語音指令將機器人召回全能基站開始充電，或長按機器人按鈕 3 秒使其返回基站充電。



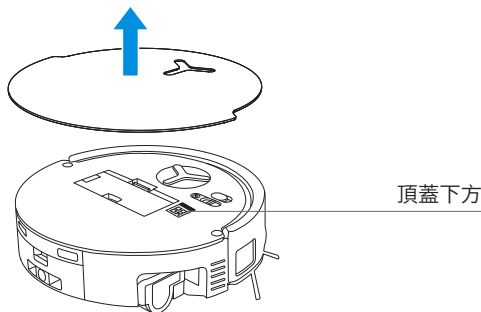
附註：

- 電源關閉時，機器人無法充電。
- 機器人完成清潔任務後，建議不要關閉電源，而是保持充電狀態，以便為進行下一次的清潔工作準備就緒。
- 建議機器人從全能基站出發清潔。清潔時請勿移動全能基站。

4 下載 ECOVACS HOME 應用程式

下載 ECOVACS HOME 應用程式，可使用更多功能。

您可以掃描機器人上的 QR 圖碼，下載應用程式。



或在手機應用程式商店中搜尋 ECOVACS HOME，下載本應用程式。



附註：依照應用程式的引導完成產品註冊、登入以及產品與應用程式的連接。

5 連接機器人與應用程式

透過藍牙：開啟機器人和手機藍牙功能。允許應用程式取得手機藍牙權限。輕按以掃描機器人上的 QR 圖碼或輕按應用程式中的  或  找到附近的機器人。

透過 Wi-Fi：您也可以根據應用程式頁面的提示，選擇透過其他方式連接機器人與應用程式。

附註：請透過藍牙連接以獲得更好的體驗。

Wi-Fi 網路需求：

- 您使用的是 2.4GHz 或 2.4/5 GHz 混合網路。
- 您的路由器支援 802.11b/g/n 和 IPv4 通訊協定。
- 請勿使用 VPN（虛擬私人網路）或代理伺服器。
- 請勿使用隱藏網路。
- 使用 TKIP、PSK、AES/CCMP 加密的 WPA 和 WPA2。
- 不支援 WEP EAP（企業身分驗證通訊協定）。
- 北美使用 Wi-Fi 頻道 1-11，北美以外使用頻道 1-13（請洽當地主管機關）。
- 如果您使用網路擴充器 / 中繼器，網路名稱 (SSID) 和密碼與您的主要網路相同。
- 請在您的路由器上啟用 WPA2。

Wi-Fi 指示燈

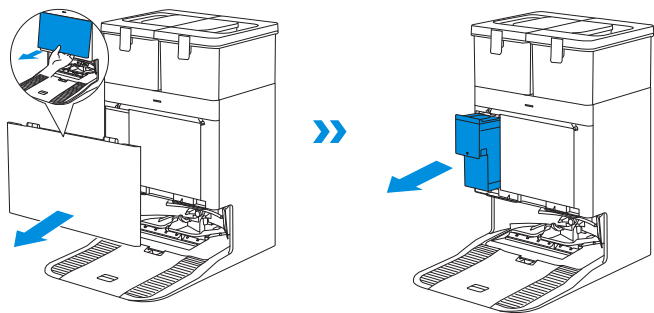
	白色慢速閃爍	已中斷 Wi-Fi 連線
	白色快速閃爍	正在連線
	白色恆亮	已連線至 Wi-Fi

請注意，要使用遠端啟動、語音互動、2D/3D 地圖顯示和控制設定、個人化清潔等智慧功能（功能可能因產品而異），您就需要下載並使用會不斷更新的 ECOVACS HOME 應用程式。您必須同意我們的隱私權政策和使用者協議，然後我們才能處理您的部分基本和必要資訊，並使您能夠透過 ECOVACS HOME 應用程式操作產品。未經您同意，上述部分智慧功能無法透過 ECOVACS HOME 應用程式存取。儘管如此，您仍然可以手動操作使用本產品的基本功能。

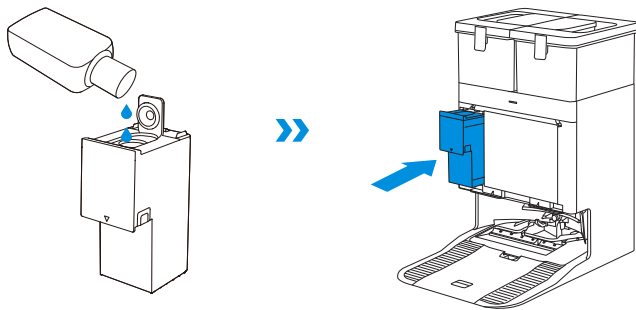
⑥ 加入清潔液（單獨販售）

針對具有清潔液自動補充模組的基站，請按照以下步驟操作：

1. 取下集塵盒蓋板，拉出清潔液容器，並將其放置在水平、穩固的表面上。

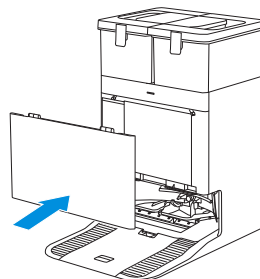


2. 打開清潔液容器的蓋子，注入 ECOVACS 清潔液。蓋上蓋子，將容器裝回基站。



附註：清潔液會自動從清潔液容器置中泵送出來。請勿將清潔液加入水箱中。

3. 將集塵盒蓋板的頂部卡扣插入插槽，然後向下壓以確保密封確實。



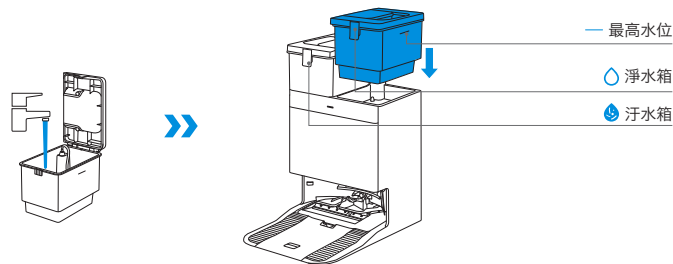
附註：

- 請使用 ECOVACS 專用清潔液，以免造成故障發生。
- 請確認沒有異物掉入清潔液容器中。

⑦ 淨水箱補充和清潔液（單獨販售）

針對未具備清潔液自動補充模組的基站，請按照以下步驟操作：

對淨水箱注入淨水至最高水位線，再依照 1：200 的稀釋比例，使用瓶蓋取適量清潔液倒入水箱，蓋緊水箱蓋板並輕晃均勻後再使用。



附註：

- 將水箱安裝到定位之前，請使用乾淨的乾布擦去水箱表面的水。
- 使用前請將水箱的頂蓋鎖緊。
- 水箱內的水滴是功能測試後所遺留的，請放心使用。
- 若產品具有清潔液自動補充功能，請按照以下步驟 ⑥ 進行補充。

8. 開始清潔

1. 開始測繪

請使用 ECOVACS HOME 應用程式或語音控制命令機器人開始測繪。

第一次建立地圖時，請跟在機器人後方，協助排除一些小問題。

例如，機器人可能會卡在家具下方。請參考以下解決方案：

1. 如果可以的話，請先抬高低矮的家具；
2. 蓋住家具底部；
3. 透過應用程式設定虛擬邊界。

進行測繪時，機器人會自動探索房屋環境。探索路徑可能與清潔路徑不同。

2. 開始清潔

- 機器人的水箱會透過全能基站自動加水。不必手動補水。
- 拖地時，機器人會辨識地板類型，且遇到地毯時會自動升高拖布。請勿在長毛地毯或纖維長度超過 10 公釐的地毯上使用機器人。建議在清潔過程中將纖維長度超過 10 公釐的長毛地毯折起來，或者前往 ECOVACS HOME 應用程式，在「地圖」>「地毯清潔策略」中將長毛地毯的區域設置為禁入區。

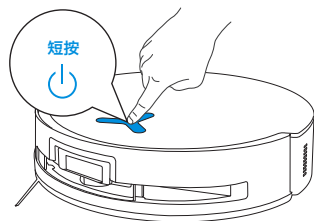
在首次清掃前，請確認機器人在全能基站中且充滿電量。輕按機器人上的  按鈕以開始清潔。您也可以使用 ECOVACS HOME 應用程式或語音控制以開始清潔。

3. 暫停

輕按機器上的  可在其工作時暫停。您還可以使用 ECOVACS HOME 應用程式或語音控制使機器人暫停工作。

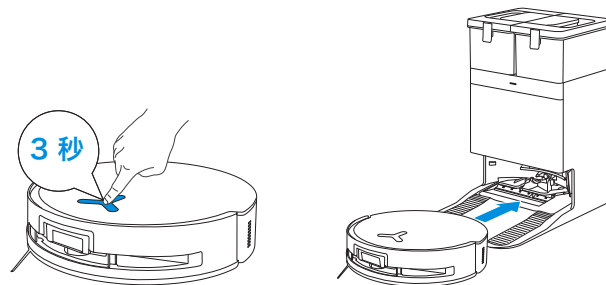
4. 喚醒

暫停一段時間後，機器人上的所有指示燈都會熄滅。若要喚醒機器人，請短按 。停止工作約 1 小時後，機器人可能會進入待機狀態。



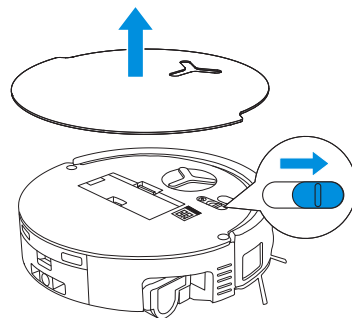
5. 返回全能基站

使用 ECOVACS HOME 應用程式或長按機器人按鈕  3 秒將機器人召回基站進行充電。



6. 深度睡眠模式

如果機器人在全能基站外停留約 10 小時，它將進入深度睡眠模式以保護電池。請關閉電源後再開啟以喚醒機器人。



定期保養

① 保養頻率

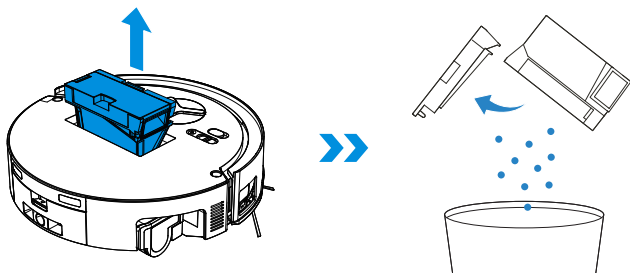
為確保最佳效能，請按以下頻率執行保養工作並更換零件：

零件	保養頻率	更換頻率
可換式滾筒拖布	每週	每 1-2 個月一次
水槽	每週	/
汙水盒	每週	/
清潔液自動補充模組	每個月	/
集塵袋	/	每 2-3 個月一次
邊刷	每 2 週一次	每 3-6 個月一次
主刷	每週	每 6-12 個月一次
過濾器	每週	每 3-6 個月一次
邊緣感應器 萬向輪 防掉落感應器 防撞桿 機器人上的充電接觸點 全能基站上的充電接觸點 d-ToF 雷射模組 AIVI 攝影機	大約每個月一次	/
淨水箱	每 3 個月一次	/
汙水箱	每個月	/
集塵盒內部	每個月	/
基站站體及底座	每個月	/
可拆卸水槽	每 5 個月一次	/

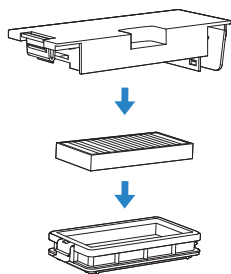
附註：在 ECOVACS HOME 應用程式或 <https://www.ecovacs.com> 上查看更多配件。

② 集塵盒

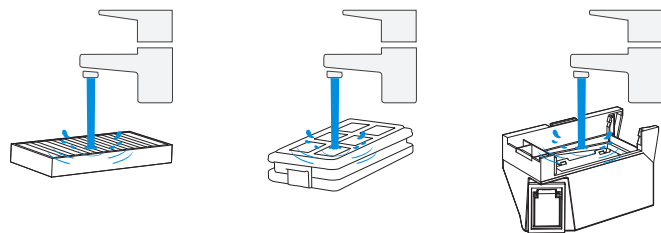
1. 取下集塵盒，然後打開其蓋子以將其清空。



2. 打開集塵盒蓋板，取出過濾器 and 濾網。



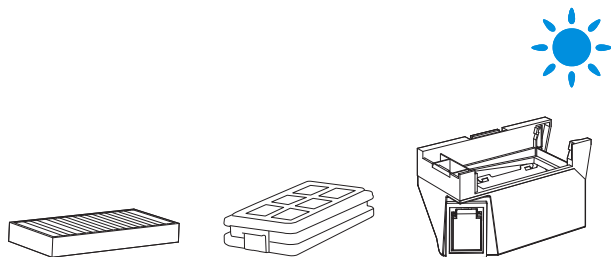
3. 您可以沖洗組件。然後，充分搖晃以除去殘留的水滴。



附註：

- 請如上所示用水沖洗過濾器。
- 請勿使用手指或刷子清潔過濾器。

4. 將集塵盒和過濾器晾乾。

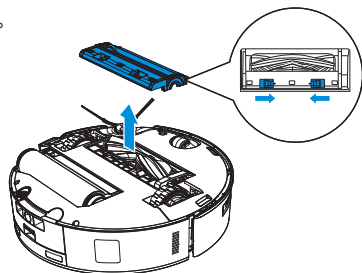


附註：使用前過濾器必須完全乾燥。

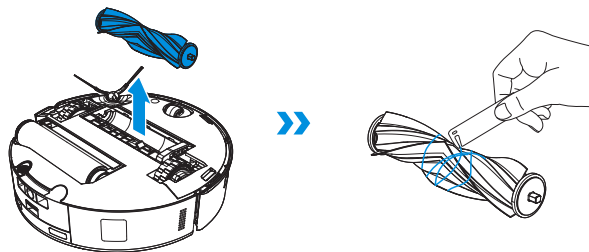
③ 保養主刷和邊刷

清潔主刷。

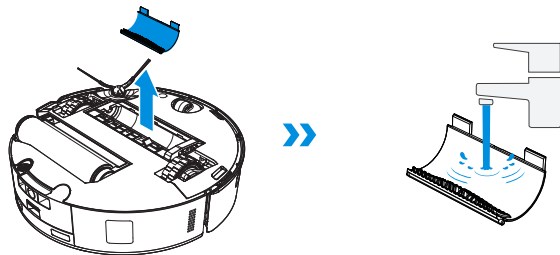
1. 取下主刷上的蓋子。



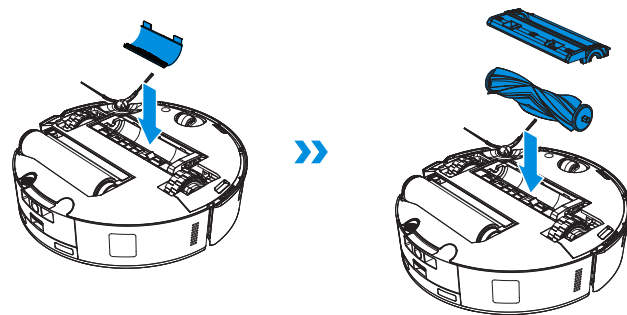
2. 取下主刷並清潔。



3. 取下刷梳並清潔。

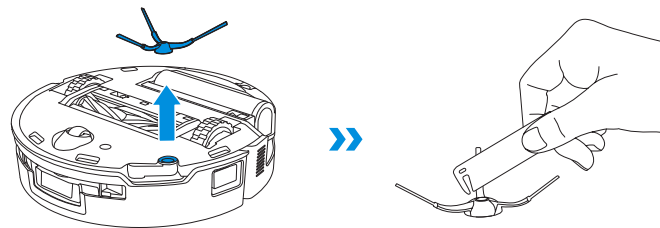


4. 安裝滾刷、主刷和主刷蓋。



清潔邊刷。

取下邊刷並清潔。

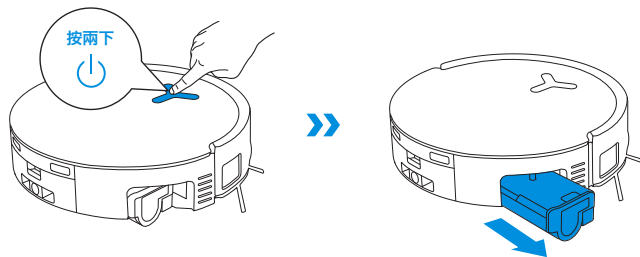


附註：在 ECOVACS HOME 應用程式或 <https://www.ecovacs.com> 上查看更多配件。

4 滾筒拖布、水槽和污水盒。

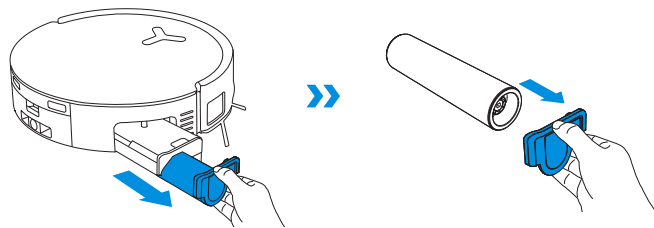
清潔滾筒拖布。

1. 按兩下  按鈕鬆開滾筒拖布組件。

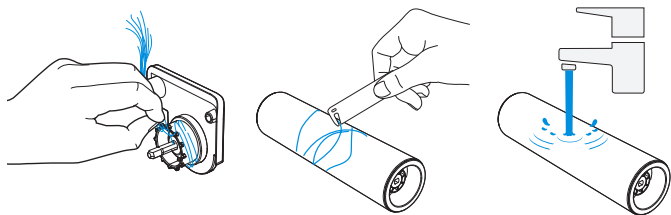


附註：處理滾筒時請避免用力過度；應小心取下及放置。

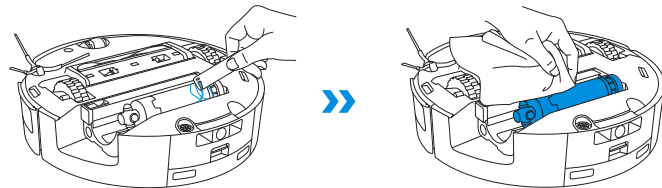
2. 按下卡扣即可取下滾筒拖布。



3. 清潔滾筒拖布。

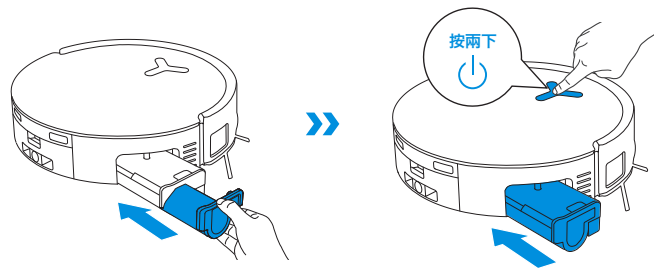


4. 清潔滾筒拖布內部。



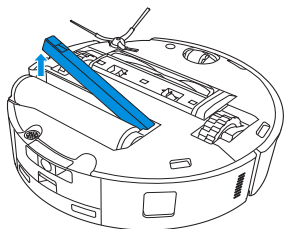
附註：請勿用水清潔主機。

5. 將滾筒拖布推入滾筒端蓋並按兩下  按鈕收回。



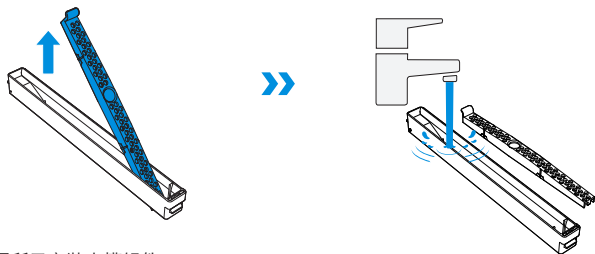
清潔水槽

1. 取下水槽。

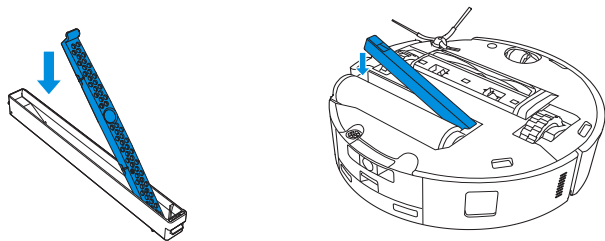


附註：如果未處於乾燥狀態，翻轉機器人時可能有少量殘留水漏出。

2. 取下水槽組件並清潔。

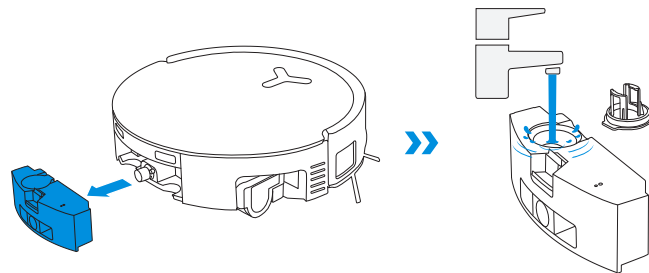


3. 請如圖所示安裝水槽組件。

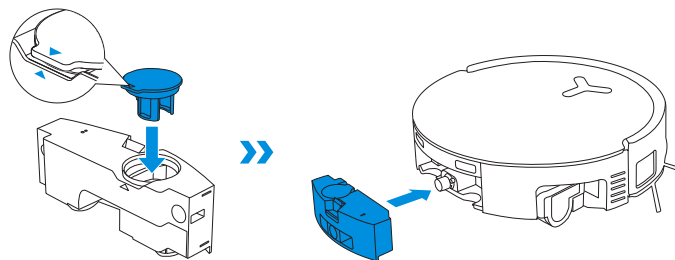


清潔污水盒

1. 取下污水盒並清潔。

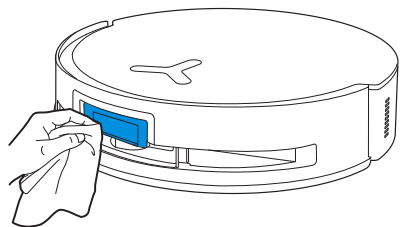


2. 按照圖示方向用力按壓污水盒蓋板，直至其平面與污水盒上緣完全對齊，確保完全密封。

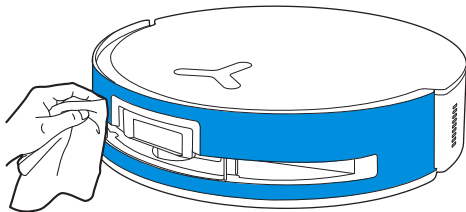


5 保養其他組件

清潔感應器鏡頭

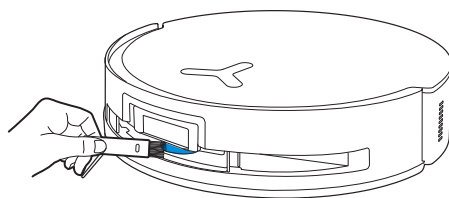


清潔防撞桿



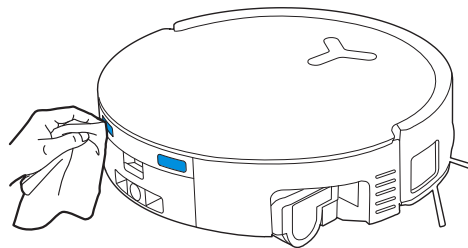
附註：清潔防跌落感應器和防撞桿時請使用乾布，以防止進水造成損壞。

清潔 d-ToF 雷射模組



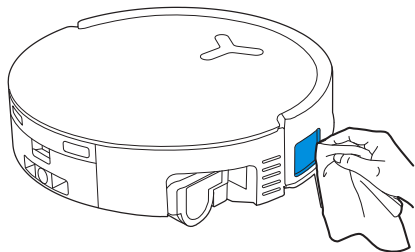
附註：清潔雷射模組時，請將模組鏡頭旋轉至前方，用刷子輕輕清潔。

清潔充電接觸點

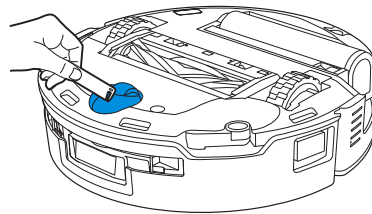


附註：用乾布擦拭接觸點。避免使用濕布以防止進水造成損壞。

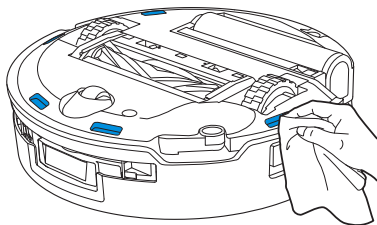
清潔邊緣感應器



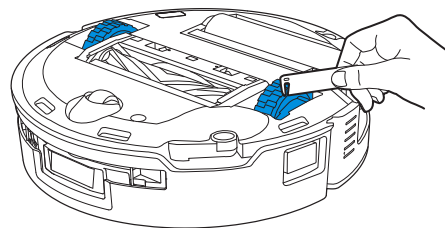
清潔萬向輪



清潔防掉落感應器



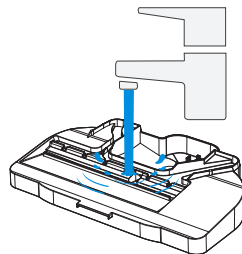
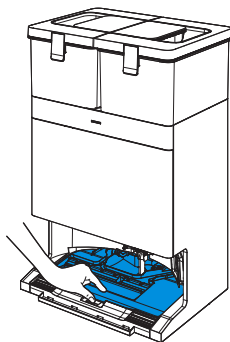
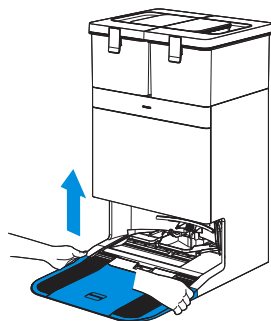
清潔驅動輪



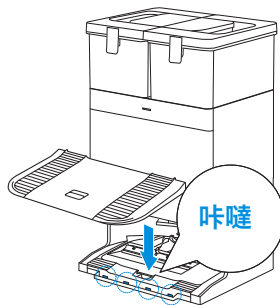
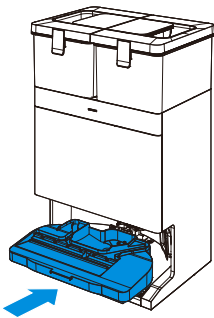
附註：清潔充電接觸點時請使用乾布，以防止進水造成損壞。

⑥ 拖布清洗盤

1. 卸下可拆卸水槽和底座並清潔。



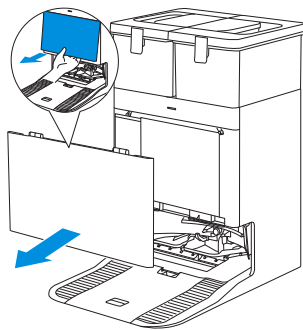
2. 安裝可拆卸水槽和底座。



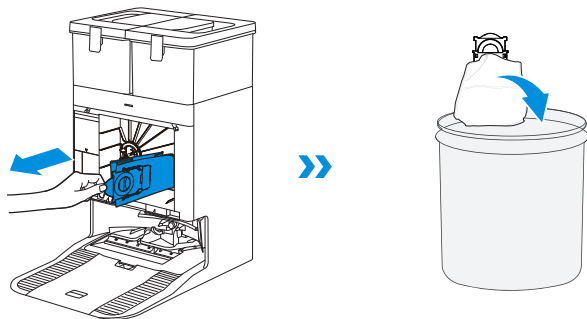
附註：請正確安裝可拆卸水槽和底座，以免發生故障。

7 集塵袋

1. 取下集塵盒蓋板。

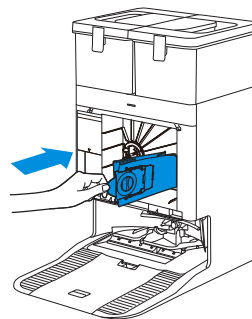


2. 依箭頭方向取出一一次性集塵袋並丟棄。

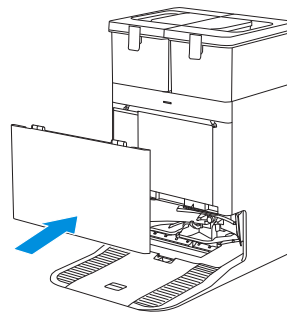


附註： 握住把手提起集塵袋，可有效防止灰塵漏出。

3. 用乾布清潔集塵盒，然後安裝新的集塵盒。

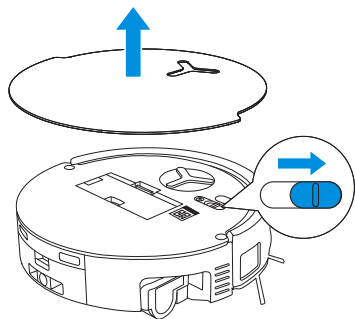


4. 將集塵盒蓋板的頂部卡扣插入插槽，然後向下壓以確保密封確實。



8 存放

存放前請將機器人充滿電後再關閉電源。請每 1.5 個月充電一次以防止電池過度放電。



! 請注意，機器人在關機時無法充電。

附註：

- 機器人完成清潔任務後，建議不要關閉電源，而是保持充電狀態，以便為進行下一次的清潔工作準備就緒。
- 若電池過度放電或長時間未使用，機器人可能無法充電。請聯絡 ECOVACS 尋求協助。請勿自行拆解電池。
- 若長時間不使用本產品，請將污水盒、水箱排空並保持拖布乾燥。

疑難排解

針對以下可能發生的問題，請參考相應的解決方案。

序號	故障	可能原因	解決方案
1	機器人無法連接至 ECOVACS HOME 應用程式。	輸入的 Wi-Fi 使用者名稱或密碼不正確。	輸入正確的 Wi-Fi 使用者名稱和密碼。
		機器人不在您家中 Wi-Fi 訊號範圍內。	確保機器人位於您家中 Wi-Fi 訊號的範圍內。盡可能地待在 Wi-Fi 訊號範圍內。
		機器人未處於組態狀態。	按下 Reset 按鈕以透過藍牙將機器人連接至您的手機。如果失敗，請按下 Reset 按鈕 +  並透過 ECOVACS HOME 應用程式進行連接。
		Wi-Fi 清單中找不到家中 Wi-Fi。	1. 檢查 Wi-Fi 名稱是否包含特殊字元。請勿使用特殊字元，像是 !@#&¥%/\。 2. 請勿使用 5 Ghz 網路。
		安裝了錯誤的應用程式。	請下載並安裝 ECOVACS HOME 應用程式。
2	無法在應用程式中建立家具地圖。	在機器人清潔時搬動它，可能會導致地圖遺失。	請勿在機器人清潔期間搬動它。
		自動清潔未完成。	確保機器人完成清潔後會自動返回全能基站。
3	邊刷在使用過程中會脫落。	邊刷未正確安裝。	確保邊刷卡入定位。
4	收不到訊號。無法返回全能基站。	全能基站放置位置不正確。	請依照說明書中【快速入門】一節的指示正確放置全能基站。
		全能基站斷電或遭人為移動。	檢查全能基站是否已連接電源。請勿移動全能基站。
		機器人未從全能基站出發清潔。	建議機器人從全能基站出發清潔。
		充電路線受到阻礙。例如，放置全能基站的房間房門關上了。	請保持充電路線通暢。
5	機器人在完成清潔之前就返回基站。	房間太大，機器人需要中途返回充電。	請啟用（斷點續掃）。如需詳細資訊，請參考應用程式指示。
		在高度複雜的居家環境佈局中，清潔效率可能會下降，甚至有可能無法完成清潔工作。	將家具及小型物品放置在適當的位置，將要清潔的區域整理好。

序號	故障	可能原因	解決方案
6	機器人無法充電。	未開啟機器人。	開啟機器人。
		機器人的充電接觸點並未連接至全能基站的充電接觸點。	請確保機器人的充電接觸點已連接至基站的充電接觸點，並且  開始閃爍。檢查機器人和全能基站的充電接觸點是否髒汙。請依照說明書中【定期保養】一節的指示清潔這些零件。
		全能基站並未連接電源。	請確保全能基站已連接電源。
		底座並未安裝到位。	請參閱【快速入門】進行正確安裝。
7	機器人在清潔時聲響較大。	主刷 / 邊刷被纏繞，或是集塵盒 / 滾筒拖布 / 過濾器堵塞。	建議定期清潔主刷、邊刷、集塵盒、滾筒拖布、過濾器。
		機器人處於強力或超強模式。	切換為標準模式。
8	機器人工作時卡住且停止運作。	機器人被地板上的物體（電線、窗簾、地毯鬚邊等）纏繞。	機器人會嘗試各種方式自行脫困。如果未能成功，請協助清除障礙物並重新啟動機器人。
		如果家具底下間隙高度碰巧與機器人的高度相近，便可能導致機器人卡住。	請墊高家具、放置實體障礙物或透過 ECOVACS HOME 應用程式設定虛擬邊界。
		機器人卡在狹窄區域。	請收拾家中環境、放置實體障礙物或透過 ECOVACS HOME 應用程式設定虛擬邊界。
9	機器人作業時出現以下問題：清潔路線混亂、偏離清潔路線、重複清潔，或是小面積區域漏掃。（如果目前尚有大面積區域暫未清潔，機器人會自動返回清掃該遺漏區域。有時機器人會再次進入已清潔過的房間，但這也許並非是在重複清潔，而是機器人找到了任何先前遺漏的區域）。	地面擺放的電線、拖鞋等物體會阻礙機器人的行動。	進行清潔前，請盡可能地先收拾好地上散落的電線、拖鞋等物體。如有任何遺漏區域，機器人會自行前往補掃，請勿人為干預（例如移動機器人或阻擋行進路線）。
		機器人可能在攀爬台階、門檻、門擋時造成越野輪在地面上打滑，進而影響其對整個居家環境的判斷。	建議將受影響區域的房門關上，然後單獨清潔該區域。機器人在清潔完畢後會返回起點。請放心使用此方法。
		在剛打蠟或拋光的地板，以及光滑的磁磚上作業，越野輪與地板之間的摩擦力可能較低。	請等待地板蠟乾燥後再行清潔。
		由於居家環境的不同，某些區域無法進行清潔。	請收拾家中環境，確保機器人能夠進入要清潔的區域。

序號	故障	可能原因	解決方案
10	遙控時發生延遲。	Wi-Fi 訊號較差，導致影片載入緩慢。	在 Wi-Fi 訊號良好的區域使用機器人。
11	返回全能基站後，機器人不會清空集塵盒。	尚未開啟 ECOVACS HOME 應用程式中的自動清空功能。	在 ECOVACS HOME 應用程式中開啟自動清空功能。
		手動將機器人放回全能基站，可能不會觸發自動清空功能。	建議讓機器人自行返回全能基站。請不要手動搬動它。
		在「請勿打擾」模式下，機器人返回全能基站後不會清空灰塵。	關閉 ECOVACS HOME 應用程式中的「請勿打擾」或是手動清空灰塵。
		全能基站偵測到清空灰塵的效率下降。	請依照【定期保養】章節所述更換集塵袋，然後關上集塵盒。若應用程式提示集塵袋尚未裝滿，將其再次裝回即可。
		若已排除上述可能原因，則有可能是全能基站元件異常。	請聯絡客戶服務以尋求協助。
12	自動清空未能成功。	全能基站偵測到清空灰塵的效率下降。	請依照【定期保養】章節所述更換集塵袋，然後關上集塵盒。若應用程式提示集塵袋尚未裝滿，將其再次裝回即可。
		集塵盒的出口被異物堵塞。	拆下集塵盒並清潔出口上的異物。
13	集塵盒內部髒汙。	有細微塵粒經由集塵袋吸附在集塵盒內側。	清潔集塵盒內側。
		集塵袋破損。	檢查並更換集塵袋。
		集塵袋未正確安裝。	請正確安裝集塵袋。
		未關閉集塵盒蓋板。	請檢查集塵盒蓋板是否已正確關好。
14	機器人作業時有灰塵外洩。	集塵盒的出口被異物堵塞。	拆下集塵盒並清潔出口上的異物。
15	滾筒拖布無法轉動。	滾筒拖布未正確安裝。	根據【定期保養】一節正確安裝滾筒拖布。
		滾筒拖布被異物卡住。	根據【定期保養】一節正確清潔滾筒拖布。

序號	故障	可能原因	解決方案
16	驅動輪卡住。	驅動輪遭異物纏繞或卡住。	轉動並按壓驅動輪，檢查是否有異物纏繞或堵塞。如有發現任何異物，請即刻清理。如果問題持續發生，請聯絡客戶服務以尋求協助。
17	當拖布清洗盤水滿且無法排出時，語音會通報拖布清洗盤異常。	未正確安裝污水箱。	輕壓污水箱，確保其已正確安裝。
		污水箱內的密封塞未正確安裝。	確保兩個密封塞已正確安裝。
		拖布清洗盤未正確安裝。	確保拖布清洗盤已正確安裝。
		拖布清洗盤底座變髒。	請用清水沖洗拖布清洗盤底座。
		如果拖布清洗盤底座沒有水，請檢查浮球是否卡住。	取下拖布清洗盤，並將浮球放回其原位。
		全能基站無法正常抽水。	將機器人放入基站並雙擊  ，如果問題仍然存在，請聯絡我們的客戶服務以尋求協助。
		拖布清洗盤的吸水口被異物堵塞。	確保拖布清洗盤吸水口內並無異物。
		嘗試上述解決方案後，仍持續進行語音提示。	接上全能基站電源然後拔除。如果問題持續發生，請聯絡客戶服務以尋求協助。
18	污水盒異常。	污水盒的排水口堵塞，排水桿無法正常運作。	取下並清空污水盒，進行沖洗然後重新安裝。如果問題持續發生，請聯絡客戶服務以尋求協助。

如已採用建議的解決方案卻仍無法解決問題，請聯絡我們的客戶服務以尋求協助。

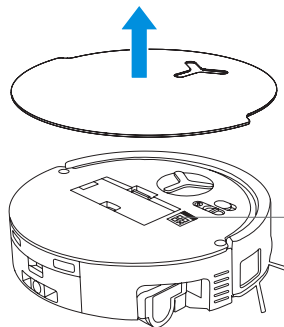
產品參數

產品型號	DEX56		
主機額定輸入	20V === 2A	充電時間	約 4.5 小時
充電座（自動清洗拖布集塵座）型號	CH2453F / CH2453H		
額定輸入	220-240V ~ 50-60Hz	額定輸出	20V === 2A
額定輸入電流（充電狀態）	0.5A	功率（集塵狀態）	650W
功率（熱水清洗拖布狀態）	1650W		
連網待機功率	低於 2.00 W		

Wi-Fi 模組的輸出功率小於 100mW。

備註：技術與設計規格可能會更改，以利持續改進產品。

歡迎造訪 <https://www.ecovacs.com> 探索更多配件。



請使用手機相機掃描 QR 碼取得使用者指南

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