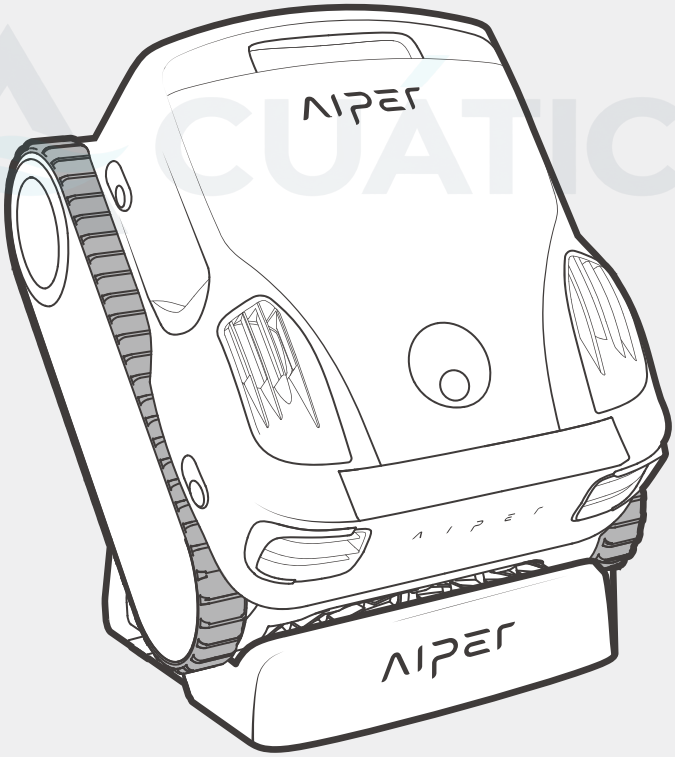
bring vacation home

CORDLESS ROBOTIC POOL CLEANER

User Manual

Aiper Scuba X1 Pro Max



ACUATICO

User Manual

ENGLISH

Thank you for choosing Aiper.

You are now among the millions of users who trust Aiper to take care of their pools and enjoy the convenience of a spotless pool.

This manual will help you maintain the device and ensure its maximum efficiency for years to come. Please take the time to read it.

If you have any questions, visit www.aiper.com and contact the customer service team.

Aiper customer service:

Email: service@aiper.com

Scan for the video guide

Scan the QR code for customer service

1 IMPORTANT SAFETY INSTRUCTIONS

Read this manual carefully and follow all warnings and instructions when using the Aiper cordless robotic pool cleaner (hereinafter "the device"). Failure to do so may result in electric shock, fire or serious injury. Aiper is not liable for losses or injuries resulting from improper use.

For your safety and optimal operation, read and follow these instructions:

1. The device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been instructed by a person responsible for their safety.

2. Persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, may use the device only under supervision or after having been instructed in its safe use and if they understand the hazards involved.

3. Children must not play with the device. It must not be used by children. Cleaning and maintenance must not be carried out by children.

4. Children must be supervised to ensure that they do not play with the device.

5. Do not allow children to touch the device while it is operating.

6. Under no circumstances allow children to ride on the device.

7. Do not operate the device while there are people or animals in the pool.

8. While the device is operating, do not put your hands into any part of it, as you may be injured.

9. Do not switch on the device out of the water, as it may overheat.

10. A charger that is suitable for one type of battery may create a risk of fire when used with another type of battery.

11. WARNING: For charging, use only the detachable power supply unit provided.

12. The device must be supplied only with safety extra-low voltage (SELV).

13. The lithium battery is 16.8 V DC, 4000 mAh, 28-cell. Before disposal, the battery must be removed and handed in in accordance with local laws and regulations.

14. The device may only be charged with the special wireless docking station, model CHW1, powered by the charger GM95-294300-2FGN.

15. Do not place objects between the device and the wireless docking station. This may interfere with charging or cause overheating and damage.

16. Use only lithium batteries model C1264B4-04 or C1264B4-03.

17. The device contains non-replaceable batteries. At the end of their service life, the device must be disposed of properly.

18. Be aware of the risk of short-circuiting the terminals by metal objects.

19. If a damaged device leaks an unknown liquid, avoid contact. In case of contact, especially with the eyes, rinse immediately with water. The liquid may cause irritation or burns.

AQUATICO

20. Do not expose the device or the battery to fire or to temperatures above 70°C (158°F), as this may cause an explosion.

21. Before removing the battery for disposal, disconnect the device from the charger and switch it off.

22. Before disposal, the battery must be removed and handed in in accordance with local laws and regulations.

23. Dispose of used batteries in accordance with local laws and regulations.

24. Do not incinerate the device, even if it is severely damaged. The batteries may explode in a fire.

25. Before charging, make sure the device is switched off. Charge it in a cool, well-ventilated place. Do not cover it.

26. WARNING: Replace a damaged cable immediately.

27. Only certified professionals may disassemble the sealed drive unit.

28. Use the device only as described and only with accessories recommended or sold by the manufacturer.

29. Do not operate the device at the same time as other pool equipment, such as a filter, cleaner or skimmer.

30. Before cleaning, switch off the water pump and the heating system.

31. When placing the device in the water, its front must face upward. Never place it upside down and do not throw it into the pool.

32. Watch your step and keep your balance at the poolside.

33. Do not drop the device, pierce the housing or intentionally damage the device; this may void the warranty.

34. To limit radio-frequency exposure, a distance of at least 20 cm between the operator and the device is recommended. The transmitting antenna must not be co-located with any other antenna or transmitter.

35. Before user maintenance, such as cleaning the filter, disconnect the device from the power supply.

36. Before cleaning or maintaining the charger, unplug it from the socket.

37. If the charger will not be used for a long time, unplug it from the socket.

38. When not in use, store the device indoors in a cool, well-ventilated place.

39. The device is not protected against freezing. Do not leave it outdoors in sub-zero temperatures.

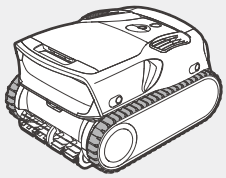
40. CAUTION:

- FOR USE IN SWIMMING POOLS ONLY.
- ONLY WITH AN APPROVED AIPER WIRELESS DOCKING STATION, MODEL CHW1.

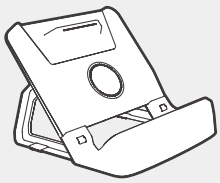
SAVE THESE INSTRUCTIONS

2 Product components

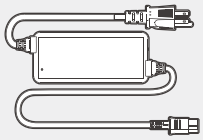
2.1 Package contents



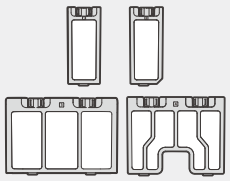
Robotic cleaner × 1



Docking station × 1



Charger × 1



Replaceable MicroMesh™ ultra-fine filter × 1



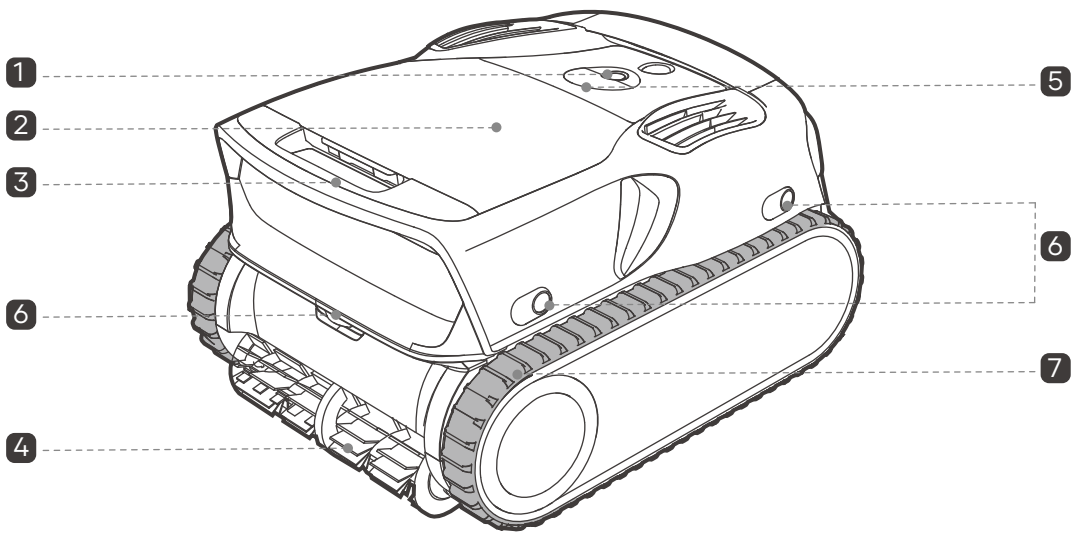
Hook × 1



Manual × 1

2.2 Component overview

Robotic cleaner (side view)

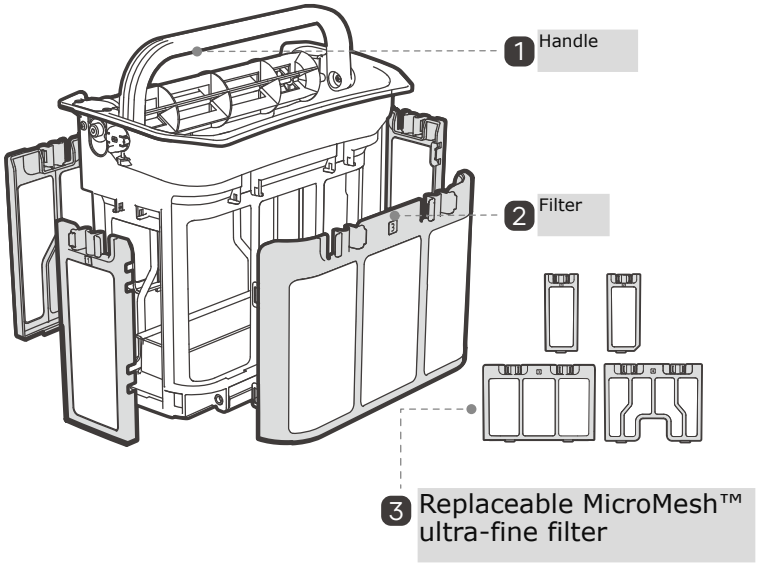


1: Power button　4 Roller brush　7 Track belt

5 LED indicator　2 Top shell

3 Handle　6 Ultrasonic sensor

Filter box



Notes:

- A replaceable MicroMesh™ ultra-fine filter is included in the package. For finer debris such as sand, dust and some algae, use it instead of the standard filter.
- To replace it, press the latch, remove the current filter and insert the MicroMesh™. Press firmly until it clicks.

Control panel

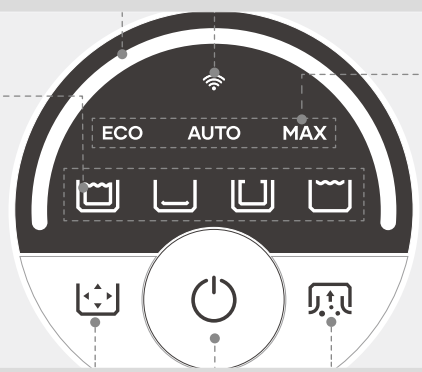
LED indicator

Wi-Fi indicator

Mode indicator

- Hero mode
- "Floor" mode
- "Floor + Walls" mode
- "Surface skimming" mode

If all LED indicators are lit solid, the device is performing a custom task.



Intensity indicator

- ECO: Economical cleaning
- AUTO: Adaptive cleaning
- MAX: High-performance cleaning

Intensity button
Mode button

Intensity selection.
Mode selection.

Power button
- Hold for 2 seconds to switch on/off.
- Hold both buttons together for 5 seconds for network setup.
- Hold both buttons together for 5 seconds for a factory reset.

3 Using the Aiper Scuba X1 Pro Max

3.1 Operating conditions

Use the device only under the specified conditions. Damage resulting from use outside these conditions is not covered by the warranty.

- Water temperature: 0-40°C (32-104°F)
- pH value: 7.0-7.8
- Chlorine: maximum 4 ppm
- NaCl: maximum 5000 ppm

3.2 Downloading the app

Download the Aiper app for additional features:

Scan the QR code or search for Aiper in the app store.

Download on the App Store

GET IT ON Google Play

Notes:

- iOS 12.0 or later, or Android 8.0 or later, is required.
- After installation, follow the instructions for registration, login and network setup.

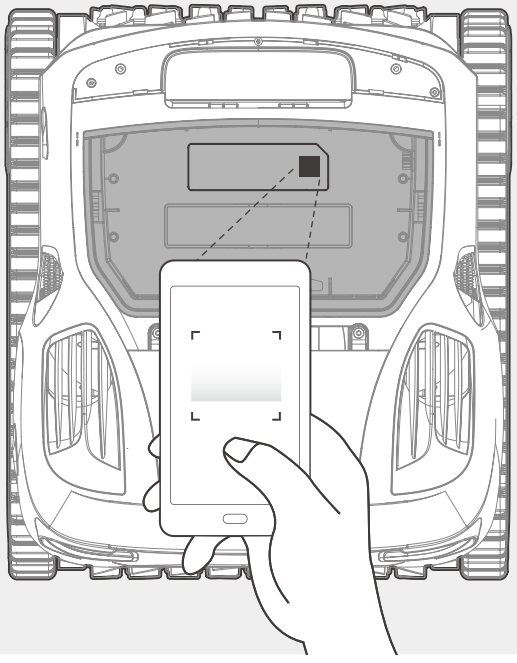
3.3 Network setup

When first switched on, the device enters network mode. If the process is interrupted, hold the button combination for 5 seconds.

In network mode, choose setup via Bluetooth or QR code.

- Bluetooth: Turn on Bluetooth, allow the Aiper app access, tap [+], choose adding via Bluetooth, select the network and enter the password.

- QR code: Tap [+], choose adding via QR code, scan the code on the device and follow the instructions.



Wi-Fi requirements: 2.4 GHz network or mixed 2.4/5 GHz network.

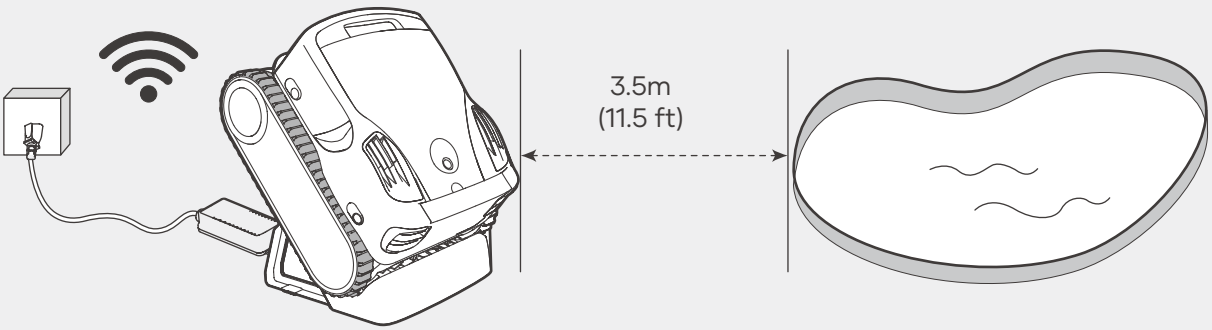
3.4 Charging

CAUTION:

Fully charge the device before cleaning.

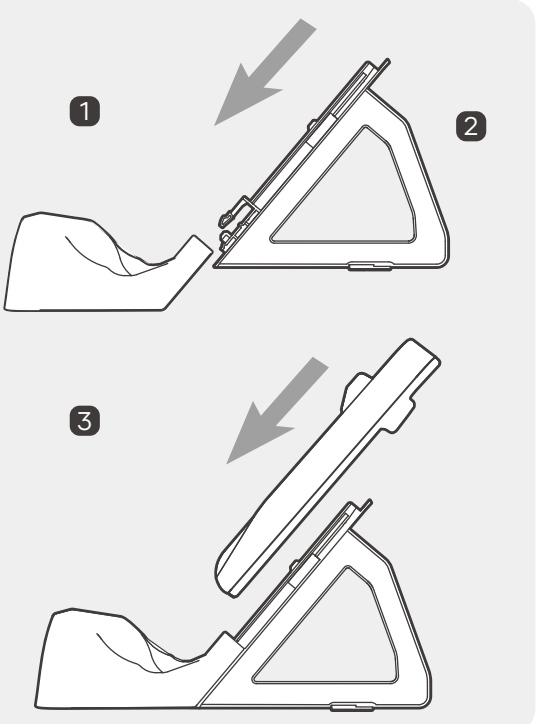
Do not charge in direct sunlight.

A distance of at least 3.5 m (11.5 ft) between the pool and the charging location is recommended. For faster OTA updates, ensure Wi-Fi coverage.

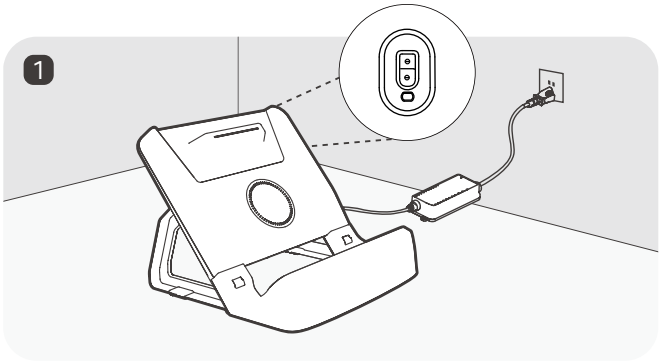


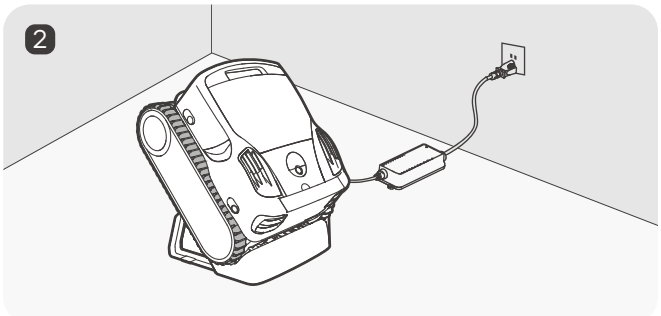
Charging:

1. Assemble the docking station: Insert the support leg into the charging panel and attach the front cover.



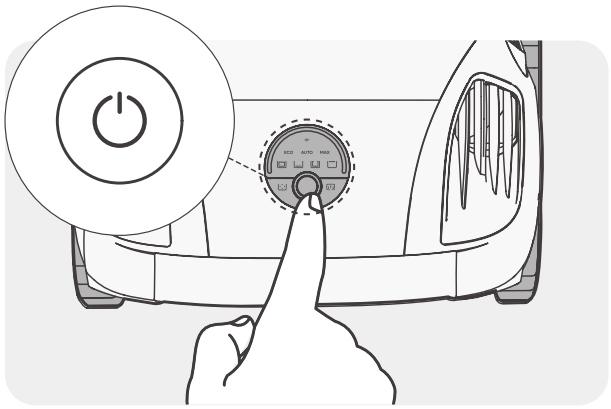
2. Connect the cable to the port of the station and plug the adapter into a socket. Place the device on the station. The LED indicator pulses while charging and glows green when fully charged.





3.5 Cleaning process

1. Hold the button for 2 seconds to switch the device on/off.

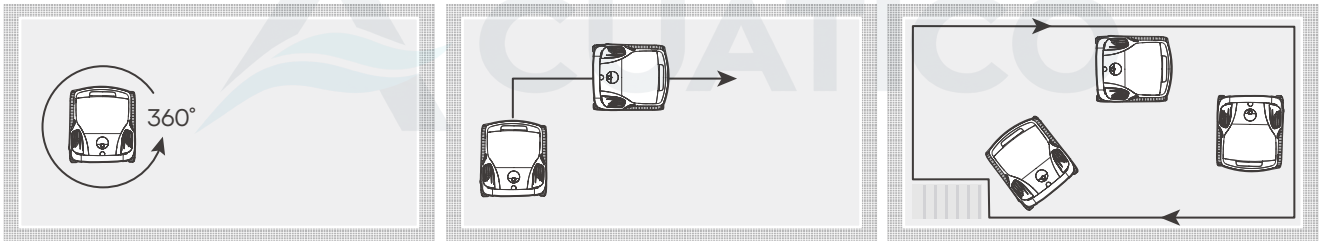


2. Press briefly to select one of the four modes: Hero, Floor, Floor + Walls and Surface skimming. More modes are available in the Aiper app.

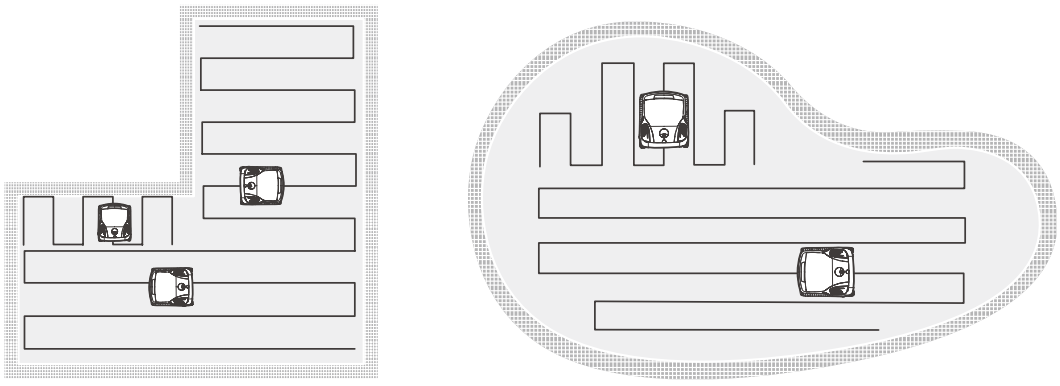
Before immersion, place the device on a horizontal surface for 5 seconds. Shortly after being submerged, it starts the selected task.

3. On the first immersion, a mode that cleans the floor starts mapping along the contour of the pool.

After successful mapping, no repetition is needed for the same pool. Before each cleaning, the device moves briefly to determine its position.

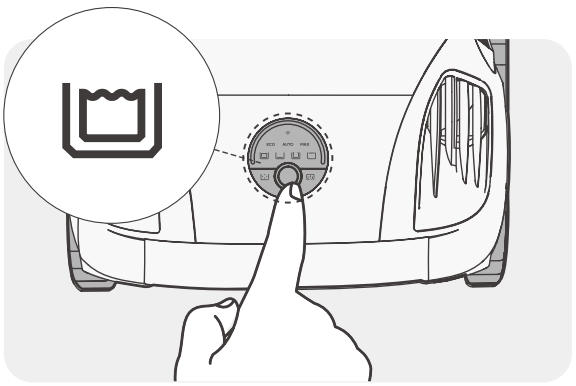


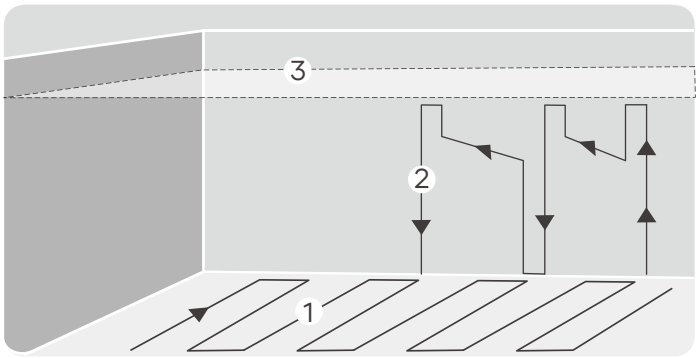
After mapping, the device recognizes the shape of the pool and starts an optimized route. At the end, it returns to the missed areas.



4. Mode details:

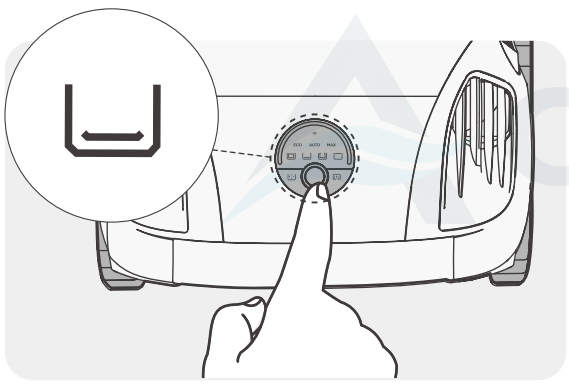
• Hero: The device cleans the floor, the walls and the water surface in sequence. On the walls, it also cleans the waterline.

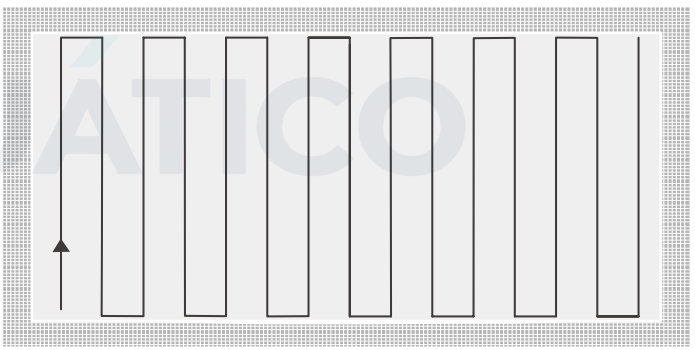




Hero mode

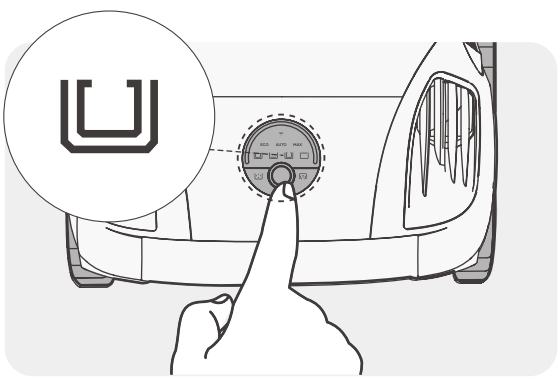
• Floor: Cleans the floor along an optimized route without climbing the walls.

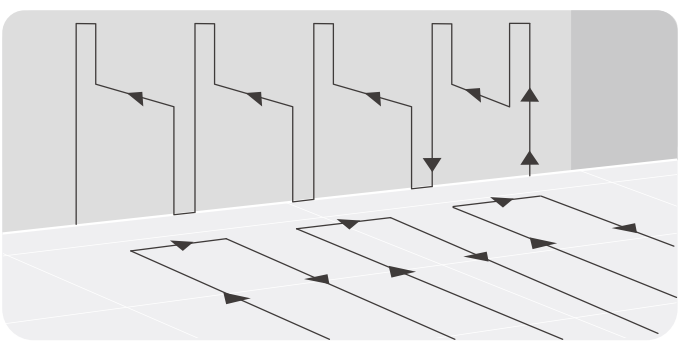




"Floor" mode

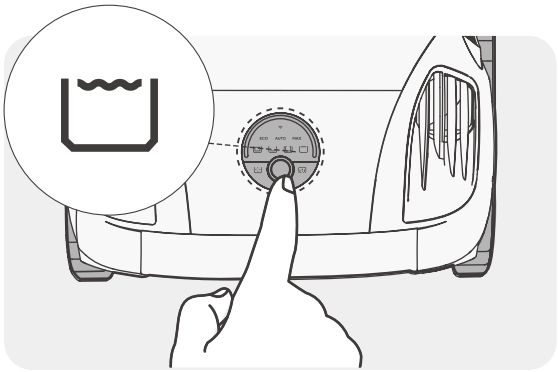
• Floor + Walls: Cleans the floor and the walls in sequence, cleaning the waterline at the same time.

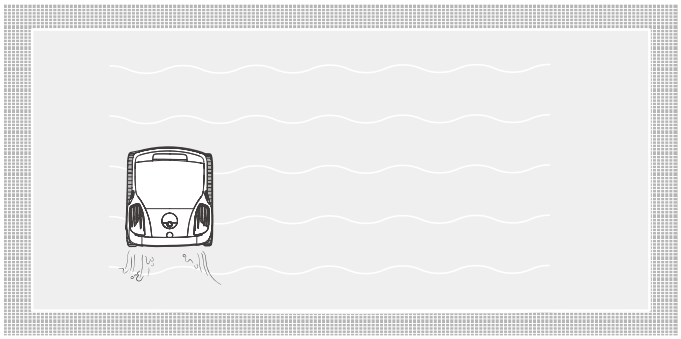




"Floor + Walls" mode

• Surface skimming: Cleans the water surface for 3 hours.





"Surface skimming" mode

Note: The route may be updated with the firmware. For the most accurate information, refer to the actual operation or the latest official instructions.

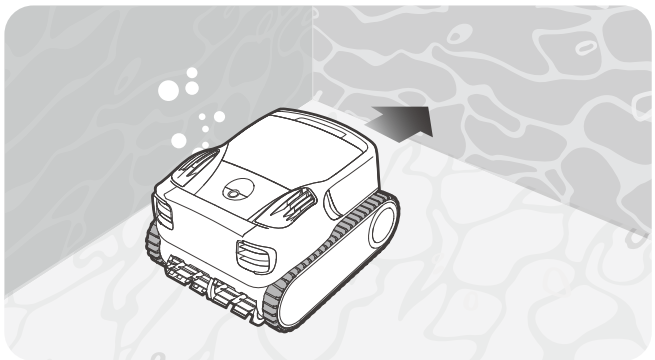
Intensity selection

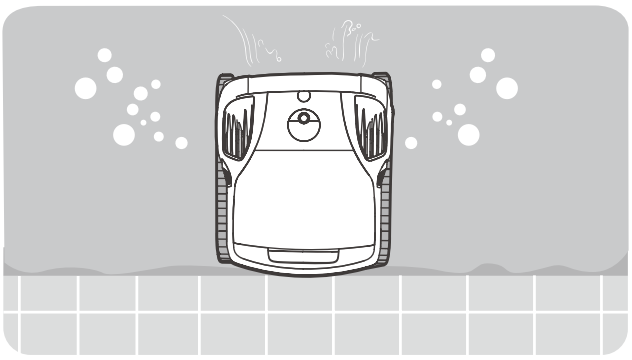
ECO: Economical mode that extends the cleaning time without reducing effectiveness on sand, leaves, insects, etc.

AUTO: Adaptive mode that adjusts the power and speed of the pump according to the debris, balancing effectiveness and battery.

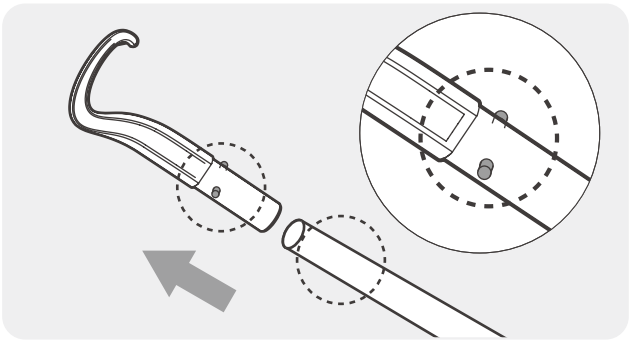
MAX: High-performance mode with constantly high pump power.

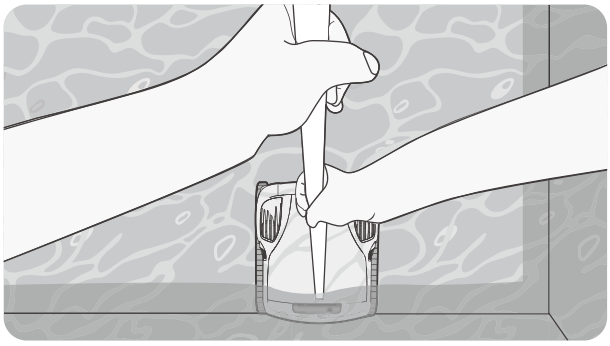
5. When finished, the device automatically rises to the water surface near the starting point.



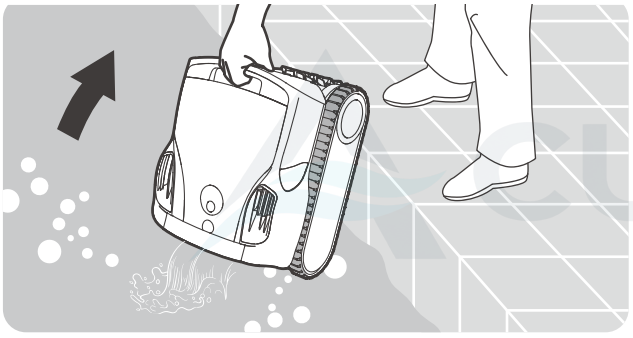


If the device does not rise to the surface, attach the included hook to a standard telescopic pole (not included), hook the device and lift it out.





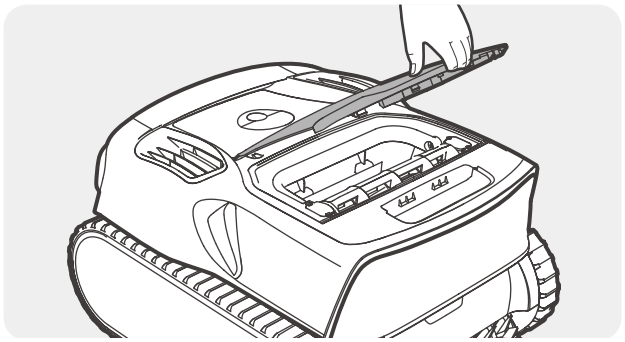
6. Let the collected water drain out before storing or charging the device.

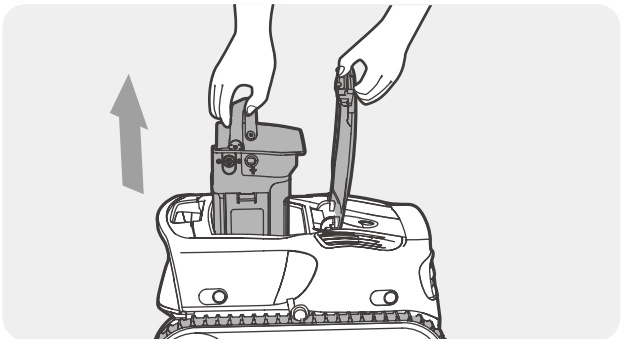


4 Maintenance

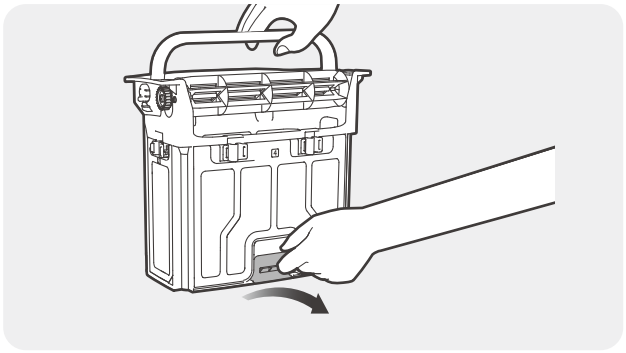
4.1 Cleaning the filter box

1. Place the device on a flat surface and lift the top shell.
2. Take out the filter box by the handle.

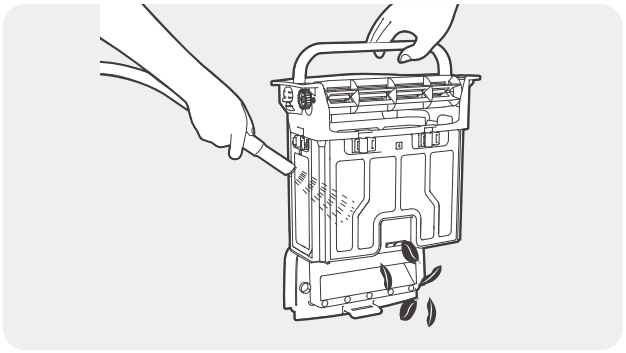




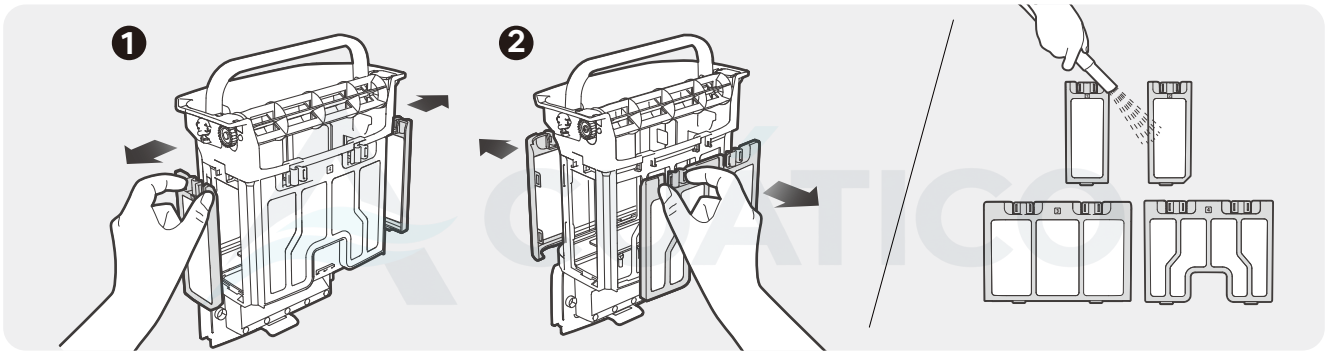
3. Press the latch on the bottom of the filter box and lift the upper handle.



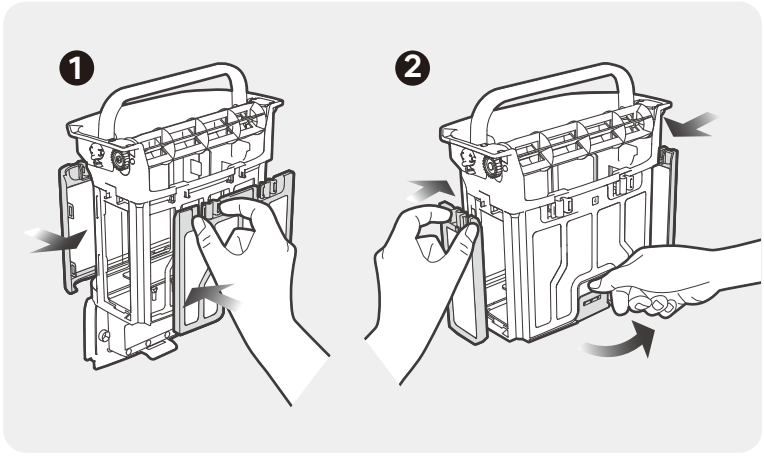
4. Empty, rinse and dry the filter box.

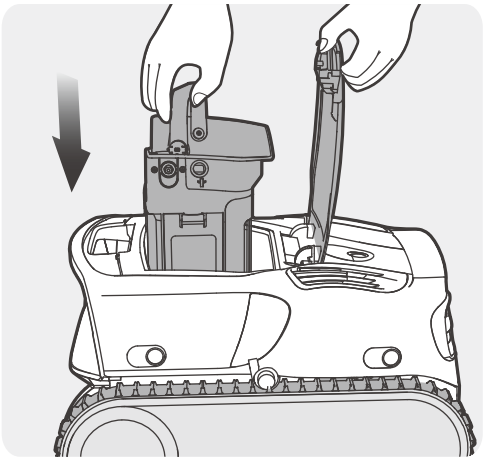


5. For a thorough cleaning, press the latch and remove the filter.



6. After drying, put the filter and the filter box back.





Notes:

• After each cleaning, take the device out and clean the filter box immediately. Do not leave it in the pool for a long time.

• Drying is not mandatory; it is recommended only to prevent musty odors.

• Store the device and the filters in a ventilated place, out of direct sunlight.

• MicroMesh™ captures particles of 3-10 μm. Use it when there is little visible debris and the water is cloudy; when there is a lot of visible debris, use the ordinary filter.

• For a thorough cleaning, use a high-pressure water jet.

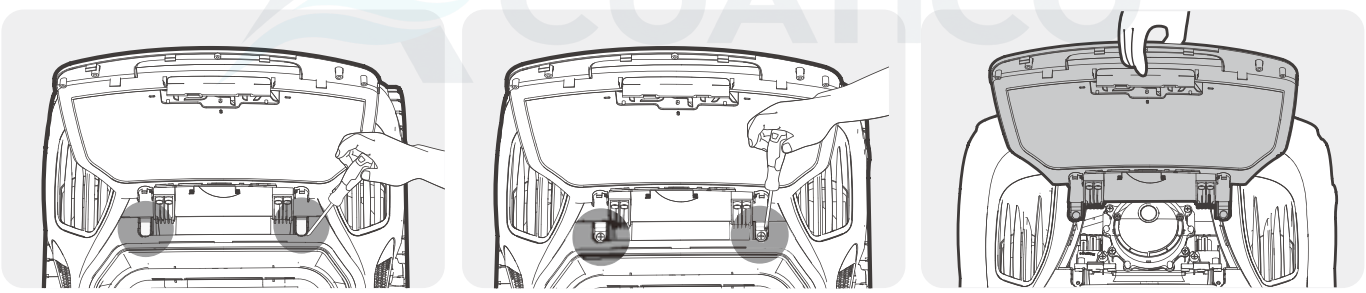
• After several uses, MicroMesh™ may show wear that does not affect operation.

• MicroMesh™ is a consumable and should be replaced every 30 uses.

4.2 Cleaning the impeller

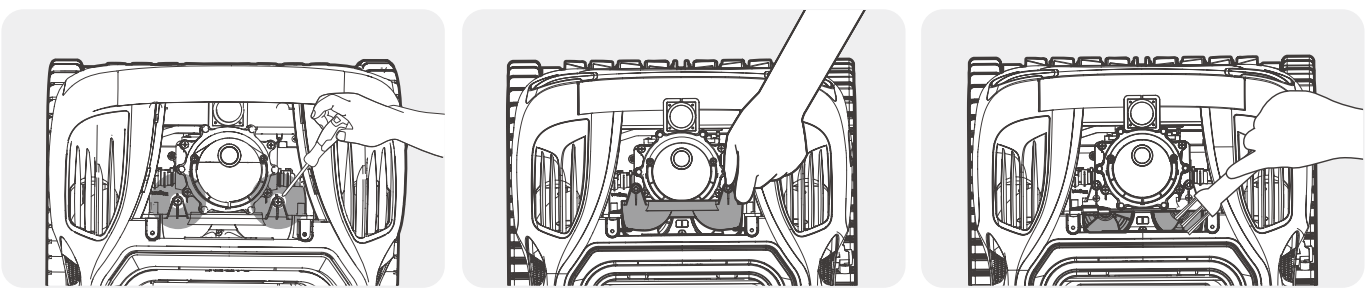
1. Open the top shell and lift the two screw caps with a flat screwdriver.

2. Remove the caps, unscrew the two screws and remove the top shell.



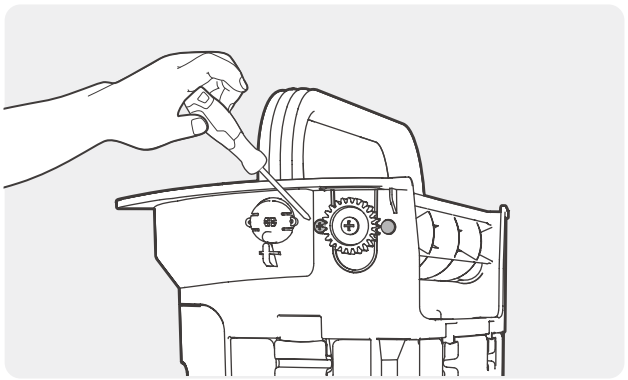
3. Unscrew the two screws and remove the impeller cover.

4. Clean off any remaining dirt and reassemble the parts.

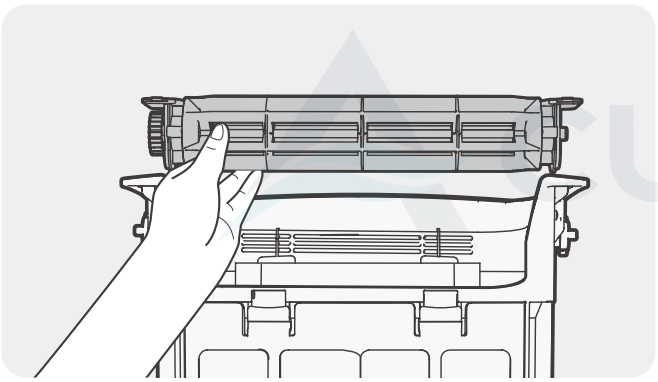


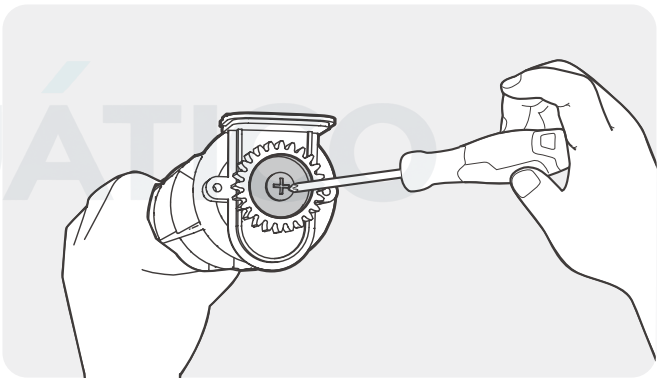
4.3 Cleaning the water-surface impeller

1. Take out the filter box and unscrew the four screws on both sides of it.

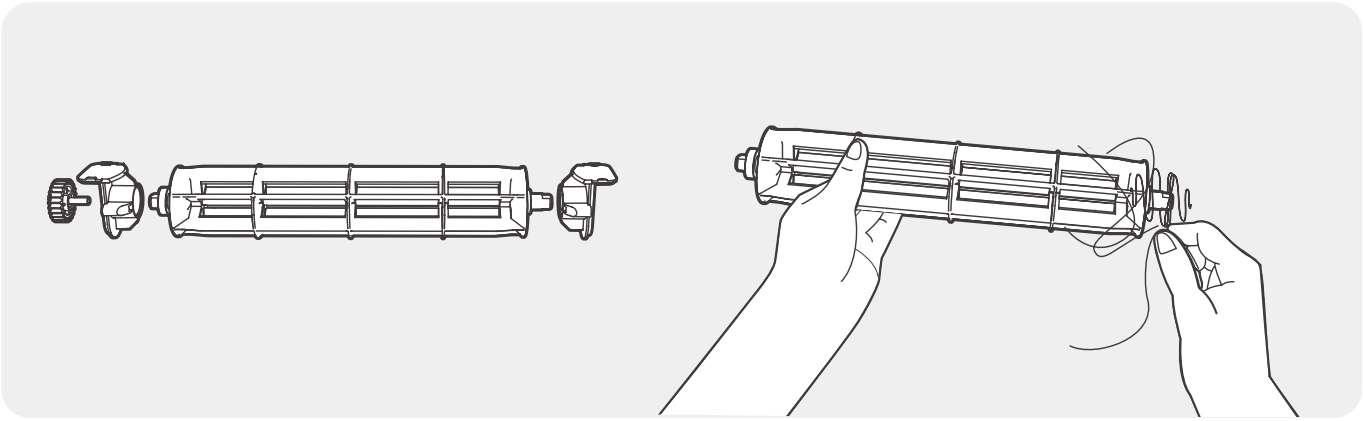


2. Pull the impeller upward. While holding it, unscrew the screws at the end.

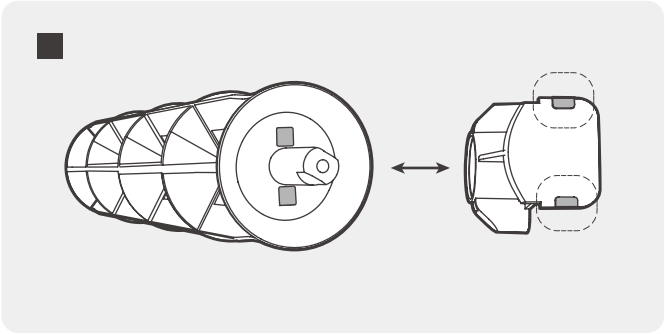


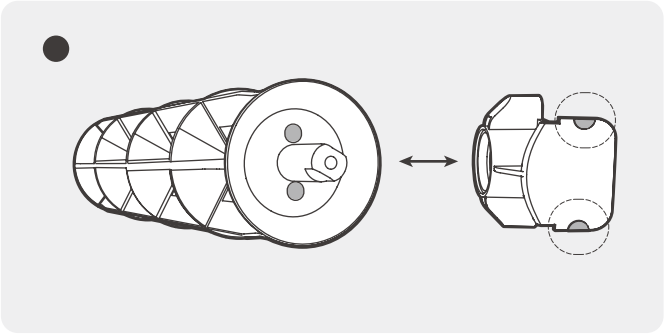


3. Remove the gear and the end cap in turn and clean the impeller.

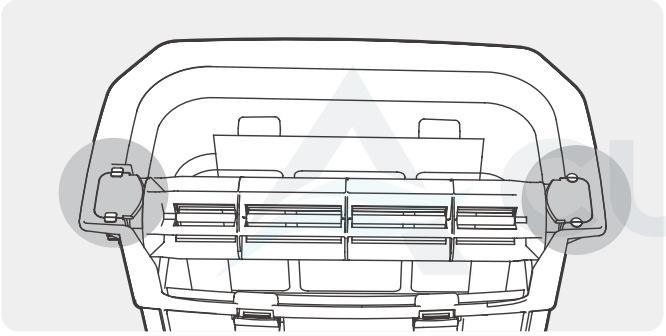


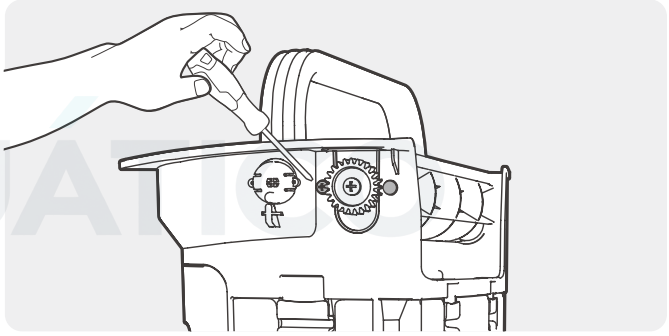
4. Install the end cap and the gear in turn and tighten the screws. CAUTION: The marks on the impeller and the cap must line up.





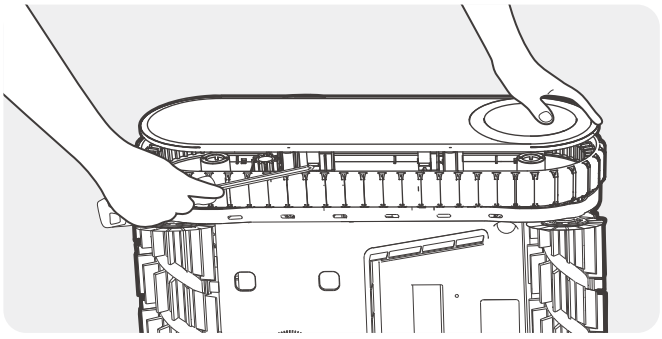
5. Place the impeller in the filter box. Align the marks on the cap and the box and tighten the four screws.



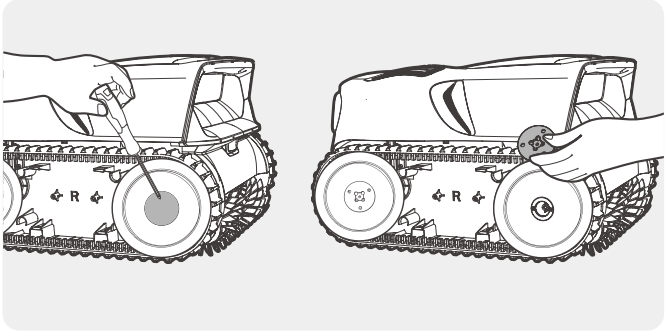


4.4 Replacing the track belt

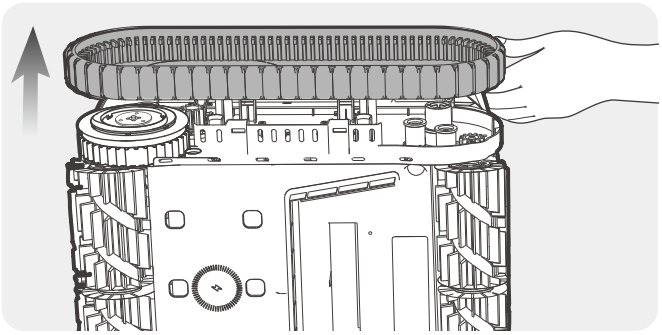
1. Remove the side cover: Place the device on its side, press the four latches inward and lift the cover upward.



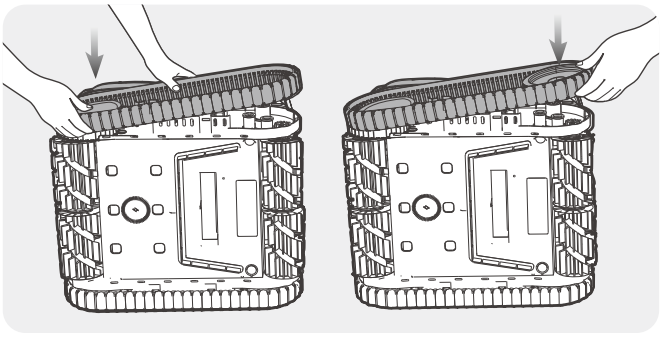
2. Remove the screws and the guide bushing from the rear wheel.



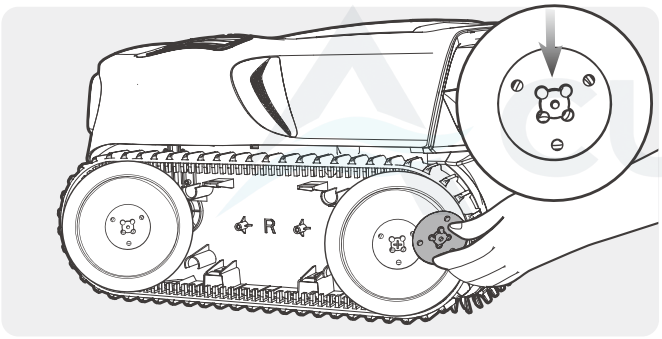
3. Remove the rear wheel and the track belt by carefully pulling out each part.



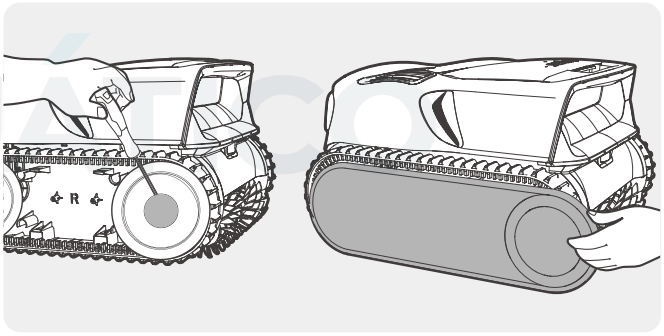
4. Align the teeth of the new belt with the teeth of the two wheels. Install the rear wheel and the belt along the guide bushings.



5. Install the guide bushing on the rear wheel and turn the latch so that the two protrusions line up with the openings.

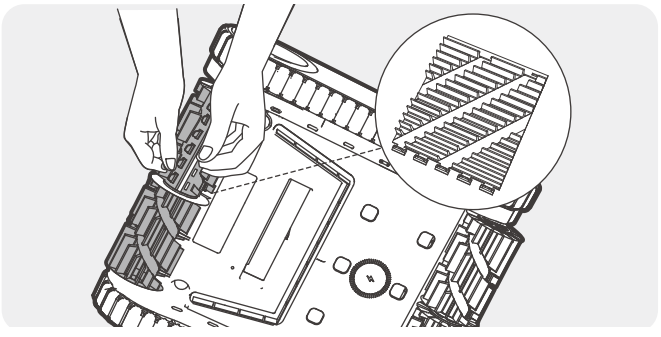


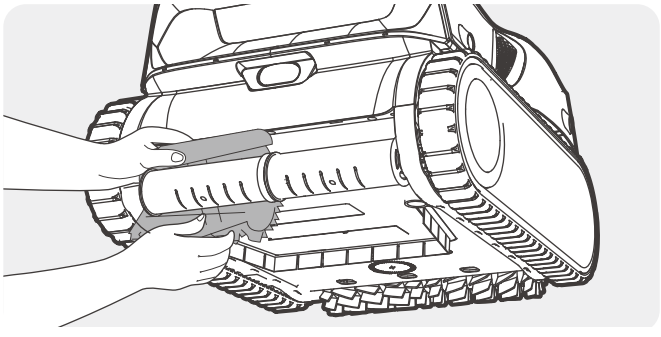
6. Tighten the screws and install the side cover. Repeat for the other track belt.



4.5 Replacing the roller brush

1. Remove all silicone retainers from the current roller brush.
2. Align the retainers of the new brush with the openings and press them in. Repeat for the other brush.





4.6 Switching off and storing the Aiper

When the device will not be used, for example in winter or during a long absence, follow these steps:

1. Charge it fully and disconnect it from the charger.
2. Clean the housings, wheels and brushes thoroughly.
3. Dry it and check that the port cap is closed.
4. Store it in the original packaging in a cool, dry and ventilated place.
5. Charge the battery every six months.

5 Technical specifications

Model: PRX9	Suction flow rate: 32000 L/h (8500 GPH)
Pool size: 300 m² (3200 ft²)	Power consumption in off mode: 0.31 W
Rated input: 29.4 V ⎓ 2.2 A	Battery operation: up to 5 hours - floor; up to 10 hours - surface
Charger model: GM95-294300-2FGN	
Charger input: 100-240 V~, 50/60 Hz, 2.5 A	Battery model: C1264B4-04 or C1264B4-03
Charger output: 29.4 V ⎓ 3.0 A	Battery capacity: 10400 mAh (262.08 Wh)
Wireless station model: CHW1	Battery voltage: 25.2 V
Station input: 29.4 V ⎓ 3.0 A	Water protection rating: IPX8
Station output: 29.4 V ⎓ 2.2 A	Charger protection degree: IP67
Maximum depth: 3 m (10 ft)	Charging time: 4 hours
Wireless station 2.4 GHz: 2.400-2.480 GHz; maximum E.I.R.P.: -12.94 dBm	
Bluetooth: 2.4000-2.4835 GHz; maximum E.I.R.P.: 10 dBm	
Wi-Fi 2.4 GHz: 2.4000-2.4835 GHz; maximum E.I.R.P.: 20 dBm	

⎓	Direct current.		Switch-mode power supply.
~	Alternating current.		For indoor use only.
III	Class III equipment.	+oo−	Polarity of the DC connector.
	Short-circuit-proof safety isolating transformer.		Read the manual.
CLASS I LASER PRODUCT	CONSUMER LASER PRODUCT EN 50689:2021; IEC 60825-1:2014; EN 60825-1:2014+A11:2021	3 m	Maximum depth.

6 LED indicator

Indicator type	Signal	Description
LED indicator	Pulsing blue	Remote control mode.
	Pulsing green	Charging.
	Solid green	Charging is complete.
	Pulsing yellow	To reset, hold the button combination for 5 seconds. The device will restore the factory settings.
		OTA update: The device automatically updates to the latest firmware.
	Flashing red	The device is faulty. Follow the instructions in the app.
	Solid red	Low charge (<15%). Shutdown is imminent.
	Solid blue	Medium charge (15-30%).
	Solid green	Sufficient charge (>30%).
Wi-Fi indicator	Pulsing green	Connecting to Wi-Fi.
	Solid green	Wi-Fi is connected.
	Off	Wi-Fi is off.

CUÁTICO

7 Troubleshooting

No.	Malfunction	Possible causes	Solutions
1	The device does not switch on.	Insufficient charge.	Charge fully before use.
		The battery temperature is too high/low.	Use only at 0-40°C (32-104°F).
2	The device does not charge.	The device is not placed correctly.	Place the device correctly on the charger.
		The charger is damaged or has no power.	Check the plug and whether a signal sounds after plugging in. If the connection is correct but there is no signal, the charger may be damaged. Contact Aiper.
		The battery temperature is too high/low.	Use only at 10-40°C (50-104°F).
		A long idle period has discharged the battery.	Follow the section on switching off and storage. If it does not charge after a long idle period, contact Aiper.
3	The device does not avoid obstacles.	Dirty sensor lens.	Clean the sensor lens with a soft, dry cloth.
4	The device stays on the drain channel for too long.	The device is caught by the drain channel.	Do not open the drain channel during cleaning. If the device gets stuck, it will free itself.
5	The device gets stuck on the waterline.	A small protrusion on the waterline was not detected.	No action is needed; within 1 minute the device will sink and continue.
6	The device tilts or cleans less effectively.	The filter box is full.	Empty and thoroughly clean the filter box.
		The filter is clogged.	Rinse the filter with a high-pressure water jet.
		Flashing red may indicate a blocked impeller.	Check the impeller for debris and clean it. See the maintenance section.
7	The device has stopped.	Solid red means low charge.	If the task ends early, the charge may be low. Charge fully.
		Flashing red may indicate a fault.	Follow the instructions in the app.

CUATICO

8 Warranty

This product has passed quality control and safety testing by our technicians.

1. The product comes with a 36-month warranty for the battery and the motor from the date of purchase.

2. The warranty is void if the product has been modified, used improperly or repaired by unauthorized persons.

3. The warranty covers only manufacturing defects and does not cover damage caused by improper handling.

4. In the event of a claim, the order number or proof of purchase must be presented.

5. This is an additional warranty from AIPER INTELLIGENT SARL, 43-47 avenue de la Grande Armée, 75116 Paris, France. It does not affect the consumer's statutory remedies against the seller.

6. Warranty email: service@aiper.com

SIMPLIFIED EU DECLARATION OF CONFORMITY

Shenzhen Aiper Intelligent Co., Ltd. declares that the radio equipment PRX9 complies with Directive 2014/53/EU. The full text is available at:

https://eu.aiper.com/aiper-europe-doc-user-manual/

The EU declaration can be requested at: AIPER INTELLIGENT SARL, 43-47 avenue de la Grande Armée, 75116 Paris, France







EU Declaration of Conformity
Information on the disposal of electrical and electronic equipment

Correct disposal of this product



This symbol indicates that used electrical and electronic products must not be mixed with unsorted household waste. Hand the equipment in at a designated collection point.

Correct disposal saves valuable resources and prevents negative effects on health and the environment.

Use the return and collection systems or contact the retailer free of charge. For the nearest collection point, contact the local authorities.

In case of improper disposal, penalties may be imposed under national legislation.

Information on the disposal of used batteries



This symbol means that at the end of their service life, batteries and accumulators must not be mixed with household waste. Return the product or the batteries to the supplier or to a designated free collection point.

Correct disposal saves resources and prevents negative effects on health and the environment.

In case of improper disposal, penalties may be imposed.

There are separate collection systems for used batteries and accumulators.

Hand in the batteries properly at the local collection/recycling point.

Manufacturer

Shenzhen Aiper Intelligent Co., Ltd.

Units 3201, 3203A and 3205, 32nd Floor, Block C, Phase 2 Galaxy World, Minle Community, Minzhi Street, Longhua District, Shenzhen, Guangdong, China, 518129

Tel. for China: +86075521018957 Email: service@aiper.com http://www.aiper.com