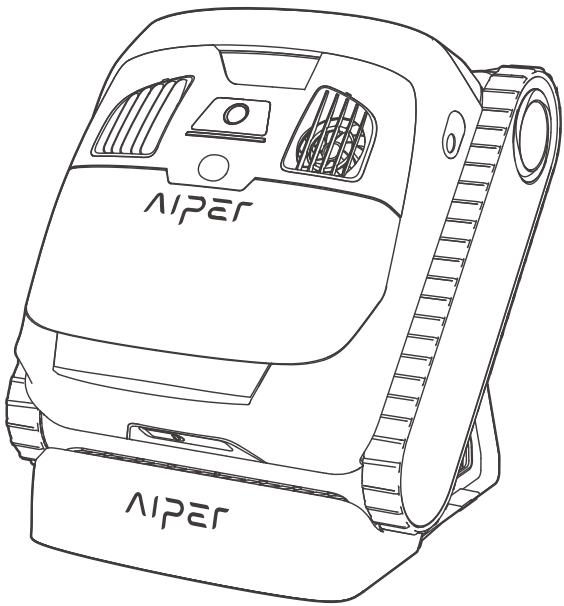
AIPER®

bring vacation home

CORDLESS ROBOTIC POOL CLEANER

User Manual

Aiper Scuba X1



LANGUAGE

EN User Manual ---------- 1

FR Manuel de l'utilisateur ---------- 29

ES Manual de usuario ---------- 57

EN

Thank you for choosing Aiper.

You've now joined millions who have already trusted Aiper to care for their pools and are enjoying the convenience of a pristinely clean pool.

This user manual will help you maintain your device and ensure it performs at its maximum efficiency for years to come. Please take a moment to read through it.

If you have any questions, please visit our website at www.aiper.com and contact our customer service team for assistance or more information.

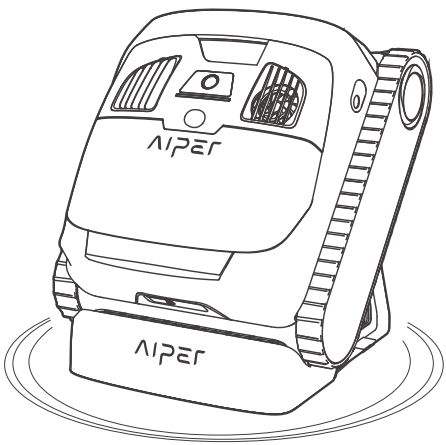
Aiper Customer Service:

Country	Toll Free Number	Language
US	+1 8668500666	English
CA	+1 8668500666	English
AU	+61 1800497023	English

Email: service@aiper.com

Scan for Video Guide

Scan the QR Code to Access Customer Support



1. IMPORTANT SAFETY INSTRUCTIONS

Please read this manual carefully and follow all warnings and instructions when using your Aiper Cordless Robotic Pool Cleaner (hereinafter referred to as *device*). Failure to comply may result in electric shock, fire, or serious injury. Aiper is not liable for any losses or injuries caused by improper use of this device.

For your safety and the optimal performance of this device, please read and follow these instructions:

1. READ AND FOLLOW ALL INSTRUCTIONS

2. This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the device in a safe way and understand the hazards involved.
3. WARNING: To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
4. Ensure that children do not attempt to touch the device while it is operating.
5. Do not allow children to ride the device under any circumstance.
6. Do not operate the device with people or animals in the pool.
7. While operational, do not place your hands into any part of the device as this may result in injury.
8. Prevent unintentional starting. Ensure the power button is off before connecting to the battery pack, picking up, or carrying the device. Carrying the device with your finger on the power button or energizing the device with the power button on invites accidents.
9. Do not run your device out of the water as it may lead to over-heating.

10. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
11. This device can only be used with C1264C4 model lithium battery packs and CR1225 model button cell battery.
12. This device contains batteries that are non-replaceable. When the battery is at end of life, the device shall be properly disposed of.
13. In the event a damaged device produces an unfamiliar liquid, avoid contact with the liquid. If coming into contact with a foreign liquid, especially the eyes or other sensitive parts, immediately flush with water. Liquid ejected from a damaged battery may cause skin irritation or burns.
14. Do not use a battery pack or device that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
15. Do not expose a battery pack or device to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause explosion.
16. Follow all charging instructions and do not charge the battery pack or device outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
17. WARNING: Risk of Electric Shock. Connect only to a grounding type receptacle. If replacement of the plug or cord is needed, use only identical replacement parts.
18. CAUTION: To reduce the risk of electric shock the pool must be installed no closer than 6 feet (1.8 m) from any electrical outlet. Do not place portable devices closer than 5 feet (1.5 m) from the pool.
19. Ensure your device is turned off and the charging port is dry before charging with the charger. While charging, your device should be kept in a cool, well-ventilated area. Do not cover your device while charging, as this may cause components to overheat.
20. WARNING: To reduce the risk of electric shock, do not use an extension cord to charge your device and instead only charge is via a dedicated wall outlet.

21. WARNING: To reduce the risk of electric shock, replace damaged cord immediately.
22. If the power cord is damaged, it must be replaced or repaired by a qualified electrician or Aiper Customer Care to avoid any hazards.
23. Only certified professionals should disassemble the sealed drive kit of your device.
24. Your device should only be serviced by a qualified technican using offical replacement parts.
25. Do not operate your device simultaneously with any other pool equipment, such as a pool filter, cleaner, or skimmer.
26. When putting your device into the water, the front of the device must face upwards and should never be placed upside down or thrown into the swimming pool.
27. Watch your steps and maintain balance when working near the poolside.
28. Do not drop, pierce the shell, or intentionally damage the device in any way, as this may void your warranty.
29. Ensure the device is turned off while not in use or while performing maintenance.
30. When not in use, store the device indoors, in a cool,well-ventilated area.
31. CAUTION:
    - FOR USE WITH SWIMMING POOLS ONLY.
    - DO NOT RUN PUMP DRY.
    - TO REDUCE THE RISK OR INJURY, USER MUST READ MANUAL.
    - FOR USE ONLY WITH AUTHORIZED AIPER CHARGER, MODEL: GM95-252300-1FGN.

Button Cell Battery

⚠ WARNING	
· **INGESTION HAZARD:** This product contains a button cell or coin battery. · **DEATH** or serious injury can occur if ingested. · A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**. · **KEEP** new and used batteries **OUT OF REACH of CHILDREN**. · **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.	

1. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
2. Even used batteries may cause severe injury or death. Call a local poison control center for treatment information.
3. The compatible button cell battery types for this device are: CR1225, with a nominal voltage of: 3.0V.
4. Non-rechargeable batteries are not to be recharged.
5. Do not force discharge, recharge, disassemble, heat above 265°F (130°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

SAVE THESE INSTRUCTIONS

FCC Statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
(1) Reorient or relocate the receiving antenna.
(2) Increase the separation between the equipment and receiver.
(3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
(4) Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement:
1. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.
2. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Importer: Aiper Intelligent, LLC.

Address: 8735 Dunwoody Place, STE 6, Atlanta, Georgia 30350, USA.

US Toll-Free: +18668500666

AU Toll-Free: +611800497023

IC Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

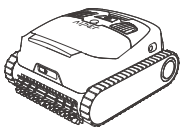
CAN ICES-001 (B)/NMB-001(B)

Radiation Exposure Statement:

1. This device complies with IC radiation exposure limits set forth for an uncontrolled environment.
2. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

2. Product Components

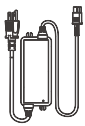
2.1 Package Contents



Robotic Pool Cleaner *1

Charging Dock *1

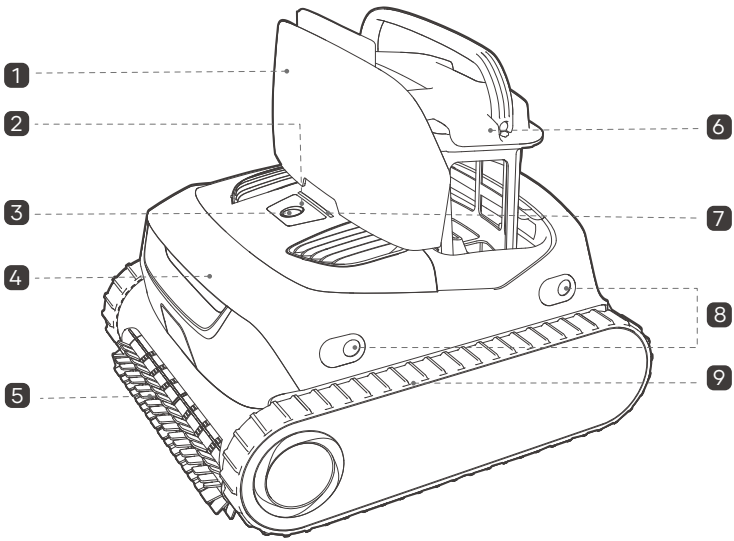
User Manual *1



Charger *1

Hook *1

2.2 Component Overview



Robotic Pool Cleaner (Side View)

1 Top Shell
2 : Wi-Fi Indicator
3 : Power Button
4 Handle
5 Roller Brush
6 Filter Box
7 LED Status Indicator
8 OmniSense™ Sensor
9 Caterpillar Tread

3. How to Use Your Aiper Scuba X1

3.1 Operating Conditions

Please ensure the device is only used within the specified pool environments. Damage resulting from use outside these conditions will not be covered under warranty.

- Water Temperature: 50-104°F (10-40°C)
- pH Value: 7.0-7.8
- Chlorine: Maximum 4 ppm
- NaCl: Maximum 5000 ppm

3.2 Downloading App

Download the Aiper App to unlock more features for your device:
You can download and install the Aiper App by scanning the QR code below or by searching for *Aiper* in your 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 for full App functionality on your smartphone or device.
- Once installed, follow the App's instructions to complete registration, login, and network setup.

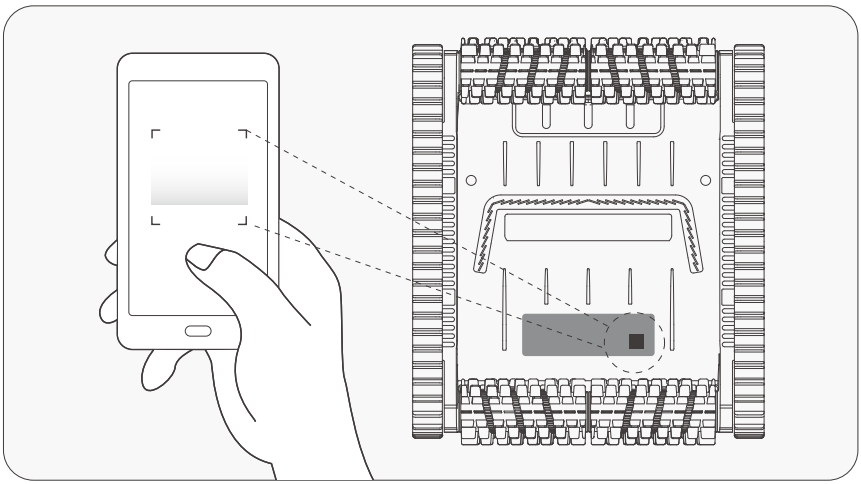
3.3 Network Setup

When first powering on the device, it will enter Network Setup Mode. If this process is interrupted, press ⏻ for 5 seconds to re-enter Network Setup Mode.

Once in Network Setup Mode, please select either Bluetooth Setup or QR Code Setup.

- **Bluetooth Setup:** Enable Bluetooth on your phone and grant access to the Aiper App. In the App, tap the [+] symbol in the top right corner, then select *Add via Bluetooth*. The App will detect nearby Bluetooth devices. Select your network, enter the Wi-Fi password, and tap *Next* to finish network setup.

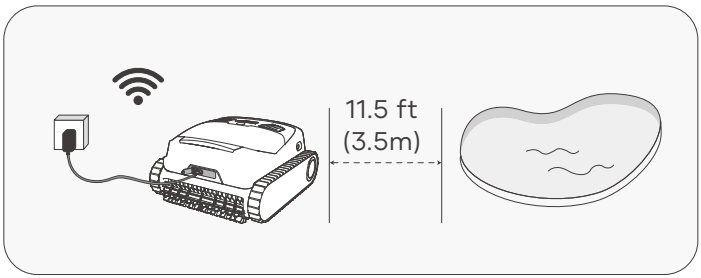
- **QR Code Setup:** Open the App and tap the [+] in the top right corner, then select *Add via QR Code*. Scan the QR Code located on your Aiper device. When the device is recognized, follow the App's instructions to connect to the device's Wi-Fi. Once connected, return to the App and follow the prompts to complete the network setup.



Wi-Fi Network Requirements:
Use a 2.4GHz or 2.4/5GHz mixed network.

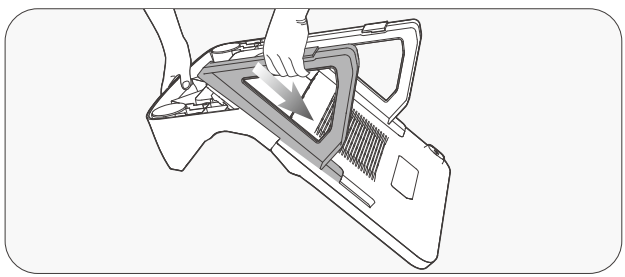
3.4 Charging

CAUTION:
Please fully charge the device before using it to clean the pool.
Do not charge the device in direct sunlight.
It's advised that a minimum distance of 11.5 ft (3.5m) separates your pool and charging location. For the best results, your charging location should have Wi-Fi coverage, as this will expedite OTA updates.



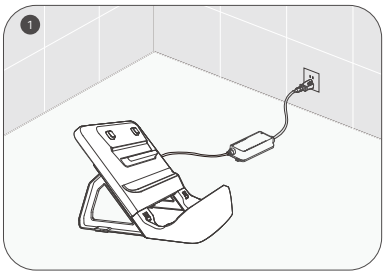
Charging Options:

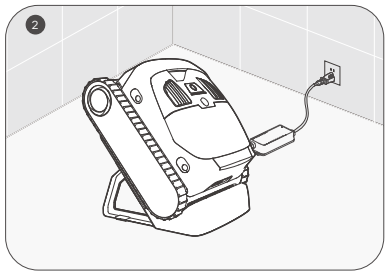
• Charging Dock:
1. Install the Charging Dock: Insert the support leg into the charging panel. Then, attach the front cover.



2. Before charging, ensure that both the charging dock and the device are dry. Do not place a wet device on the dock for charging. Use a tissue or dry cloth to thoroughly dry the metal contacts on the bottom of the device for the best charging quality.

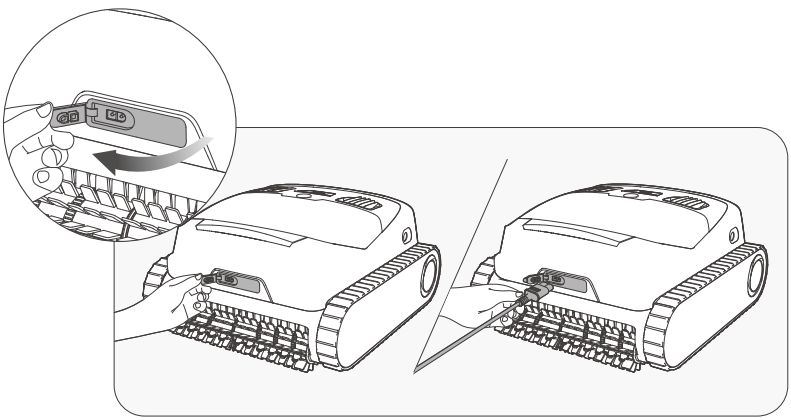
3. Connect the charger's cable to the charging port on the dock, and plug the adapter into any available outlet. Place the dry device onto the charging dock. The LED status indicator on the device will pulse while charging and turn solid green when fully charged.





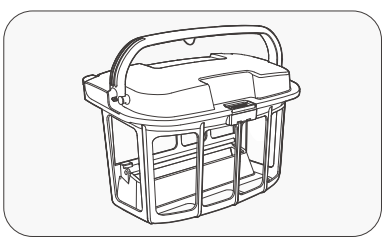
• Charging Port：

1. Before charging, remove the charing port cover and ensure the charging port is dry. If there's any water or dampness in the port, wipe it dry with a clean cloth before charging your device.
2. Connect the charger to the device's charging port, then plug the charger into any available outlet. The LED status indicator will pulse while charging and turn solid green when fully charged.

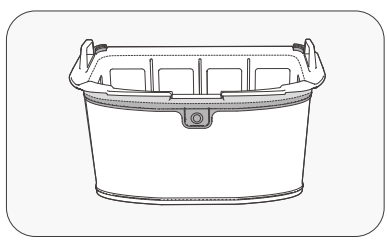


3.5 Choosing Filter

Two filters of different thickness are provided: replaceable MicroMesh™ ultra-fine filter and filter box.
The replaceable MicroMesh™ ultra-fine filter can trap particles as small as 3-10μm, such as silt and some algae. When visible debris is minimal (e.g., stones, leaves, sand, debris, hair) and the water appears cloudy or some algae, it is recommended to use both the filter box and the replaceable MicroMesh™ ultra-fine filter.
If there is a significant amount of visible debris, it is recommended to use only the filter box and not use the replaceable MicroMesh™ ultra-fine filter.



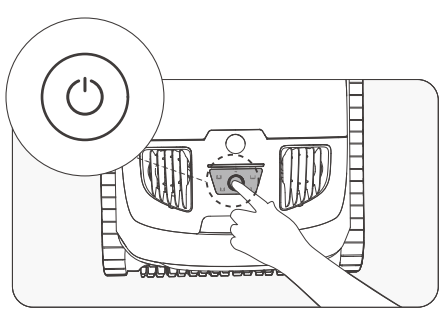
Filter box



Replaceable MicroMesh™
Ultra-fine Filter

3.6 Cleaning Process

1. Press and hold the ⏻ Button for 2 seconds to turn on/off the device.

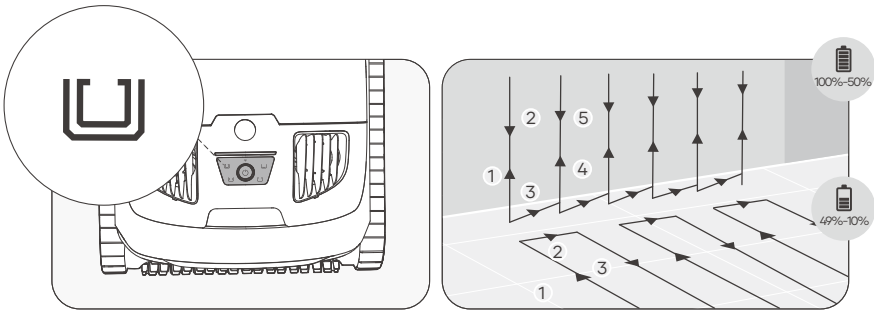


2. Press the ⏻ button briefly to cycle through and choose one of the four cleaning modes: Smart Mode, Floor Mode, Wall Mode, and Waterline Mode.

   Once you have selected the desired cleaning mode, immediately place the device in the pool. After being submerged for a short period, the device will initiate the selected mode's cleaning task.

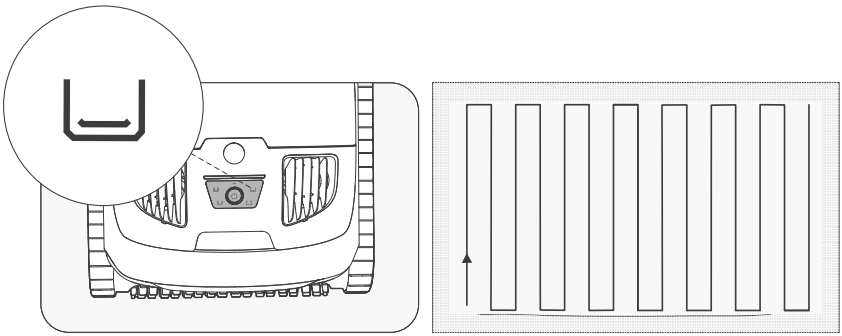
   The details of each cleaning mode are described below:

- **Smart Mode:** The device will clean your pool walls and pool floor sequentially, planning its path based on the battery level.



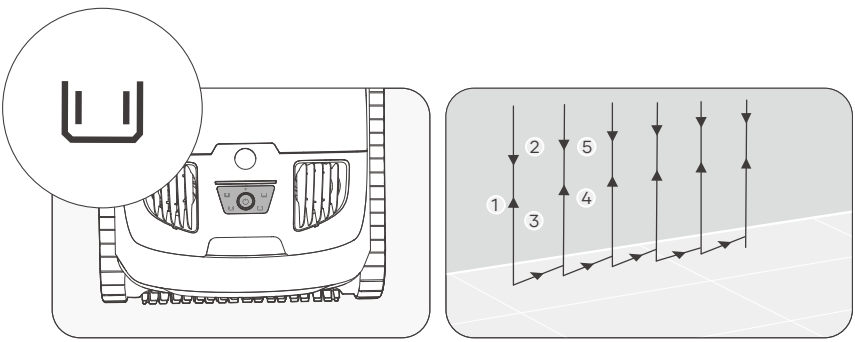
Smart Mode

- **Floor Mode:** The device will clean the pool floor utilizing an S-shaped route, without climbing or cleaning walls.



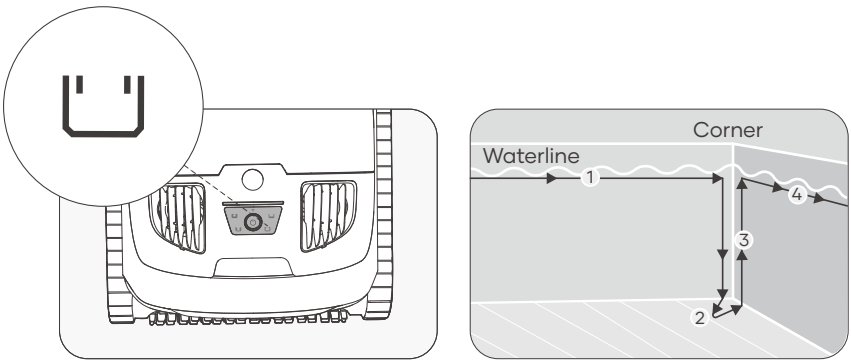
Floor Mode

- **Wall Mode:** The device will clean the pool walls utilizing an N-shaped route. The device will not clean the pool floor in the mode.



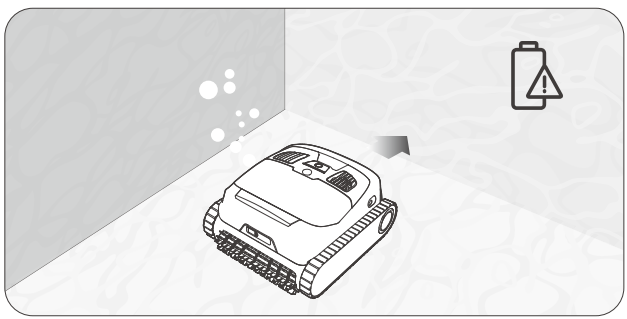
Wall Mode

- **Waterline Mode:** The device will move horizontally and clean along the pool waterline. When running into corners or obstacles along the pool walls, it will descend from the waterline, switch walls or bypass obstacles, and resume cleaning.

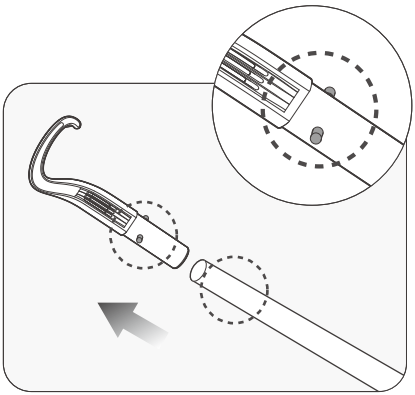


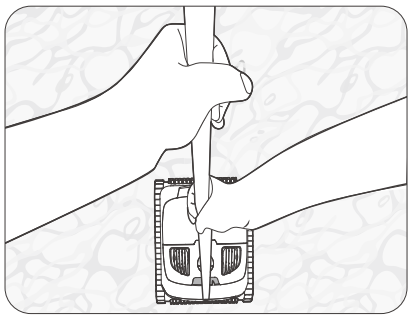
Waterline Mode

3. When the battery level is low, indicated by a solid red LED status indicator, the device will stop the current cleaning task and automatically park at the edge of the pool.

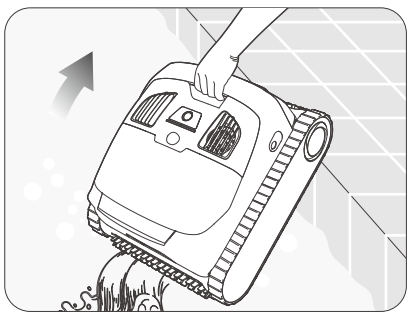


4. Users can attach the hook to any standard telescopic pool pole (not included) to extend, hook, and pull up the device from the pool floor.





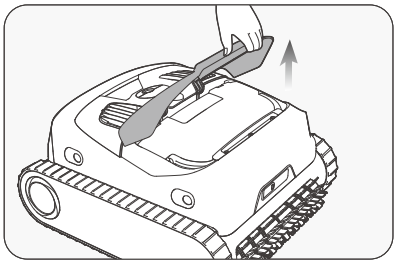
5. Allow the device to drain any stored water before storing or charging the device.

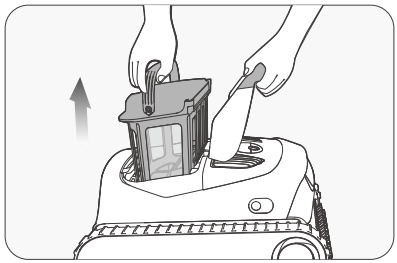


4. Maintenance

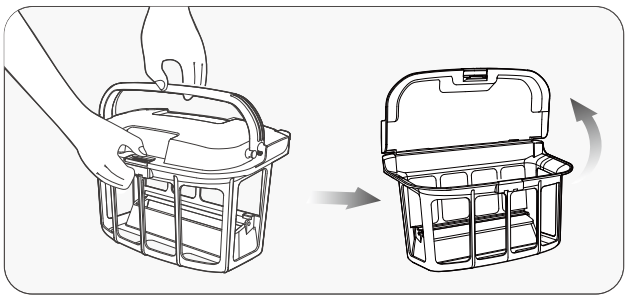
4.1 Cleaning the Filter Box

1. Place the device on a flat surface and lift the top shell.
2. Remove the filter box by lifting its handle.

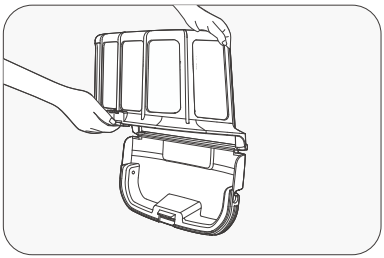


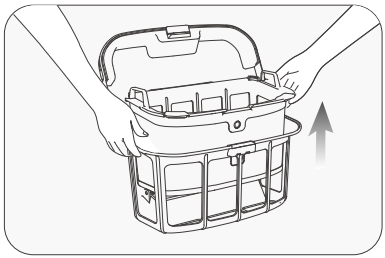


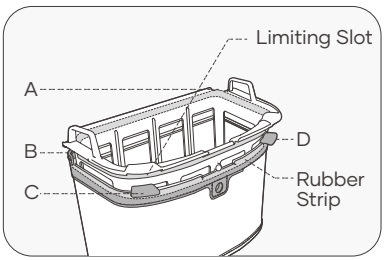
3. Press the latch on the filter box and lift the top shell handle to open it.

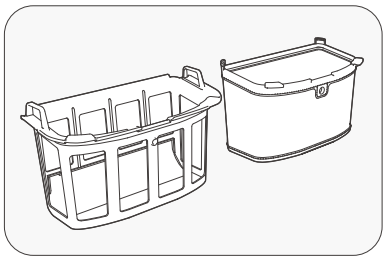


4. Empty the filter box and remove the replaceable MicroMesh™ ultra-fine filter.



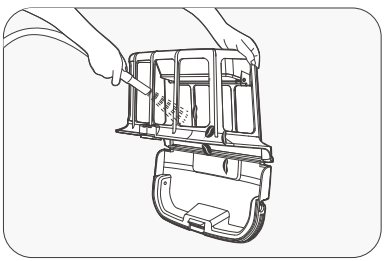


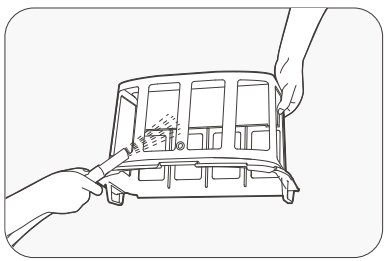


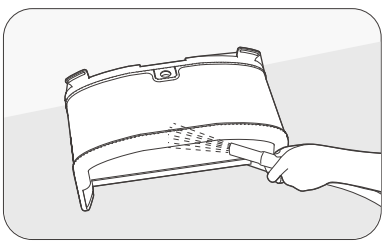


Remove the A, B, C, and D latches on the replaceable MicroMesh™ ultra-fine filter rubber strip from the limiting slot.

5. Rinse the replaceable MicroMesh™ ultra-fine filter and filter box separately.

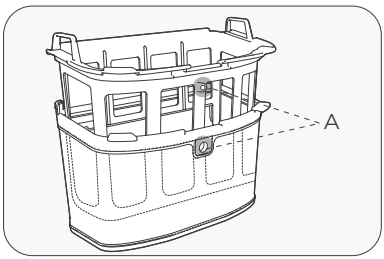




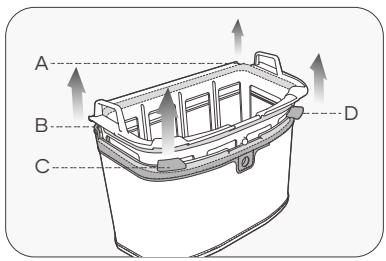


The replaceable MicroMesh™ ultra-fine filter needs to be rinsed inside and outside. Scrub it by hand if necessary.

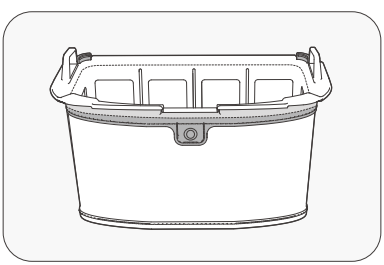
6. After drying the replaceable MicroMesh™ ultra-fine filter and filter box, install the filter in the filter box, and insert the filter box back into the device.



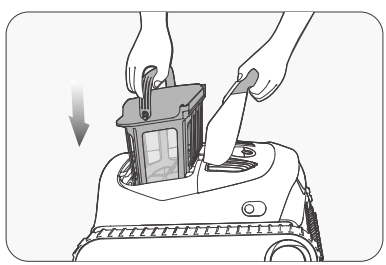
Ensure that A on the filter box is aligned with A on the replaceable MicroMesh™ ultra-fine filter.



Pull up the four corners A, B, C, and D on the rubber strip in turn. Ensure that they are stuck in the limiting slot of the replaceable MicroMesh™ ultra-fine filter.



After installation, check whether the rubber strip is all stuck into the limiting slot.



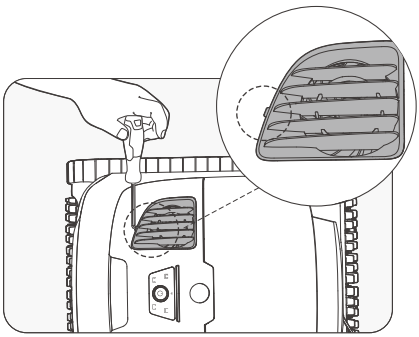
Notes:

- After each cleaning task, promptly remove the device from the pool and clean the filter box immediately. Avoid leaving the device in the pool for extended periods.
- Drying the replaceable MicroMesh™ ultra-fine filter and filter box after each cleaning is not required and is recommended solely to prevent moisture-related odors.
- When drying or storing your device, including the replaceable MicroMesh™ ultra-fine filter and filter box, it's recommended to you store them in a well-ventilated area, out of direct sunlight.
- The replaceable MicroMesh™ ultra-fine filter can trap particles as small as 3-10μm, such as silt and some algae. When visible debris is minimal (e.g., stones, leaves, sand, debris, hair) and the water appears cloudy or some algae, it is recommended to use both the filter box and the replaceable MicroMesh™ ultra-fine filter. If there is a significant amount of visible debris, it is recommended to use only the filter box and not use the replaceable MicroMesh™ ultra-fine filter.

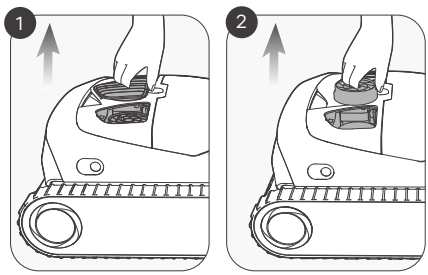
- It is advisable to use a high-pressure water gun to clean the replaceable MicroMesh™ ultra-fine filter and the filter box to ensure thorough cleaning.
- After several uses, the surface of the replaceable MicroMesh™ ultra-fine filter may show signs of wear, which this does not impact its performance.
- The replaceable MicroMesh™ ultra-fine filter is a consumable item and should be replaced every 30 uses to maintain effective filtration.

4.2 Cleaning the Propeller

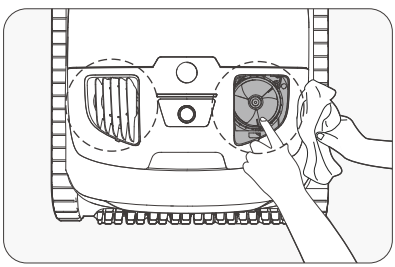
1. Use a flathead screwdriver to pry open the drain cover.



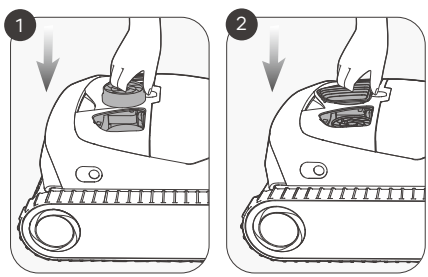
2. After removing the drain cover, remove the propeller cover to expose the propeller.



3. Remove any debris entangled in the propeller.

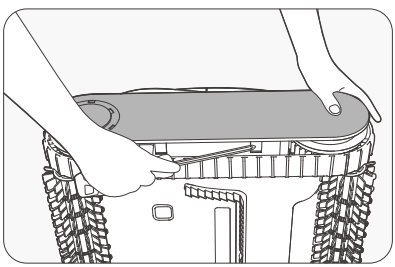


4. After cleaning the propeller, reattach the propeller cover followed by the drain cover.

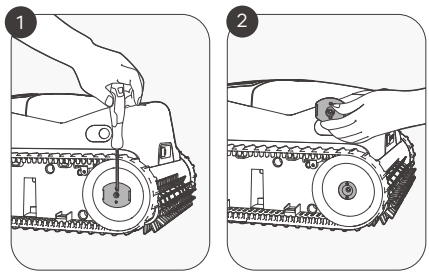


4.3 Replacing the Caterpillar Tread

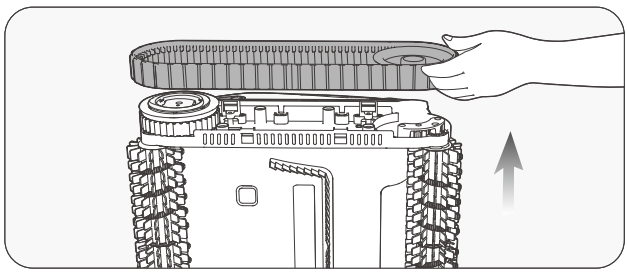
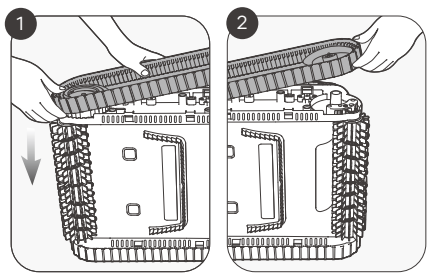
1. Remove the side cover plate from the device: Lay the device on its side, remove the 4 clips on the side cover plate with the flathead screwdriver, and pull out the side cover plate upwards.



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



3. Remove the rear wheel and caterpillar tread of the device by gently pulling on each piece.



4. Align the gears of the replacement caterpillar tread with the gears on both wheels. Reinstall the rear wheel and the caterpillar tread, ensuring they are secured along the tread sleeves.