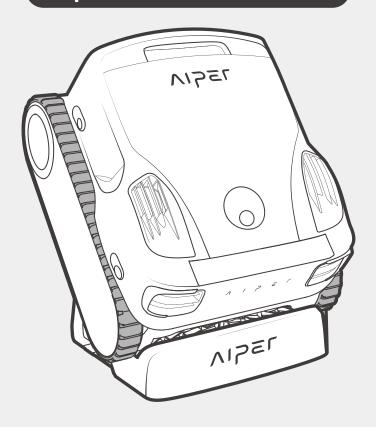


# CORDLESS ROBOTIC POOL CLEANER

**Original Instructions** 

Aiper Scuba X1 Pro Max



## **User Manual**

FRANÇAIS | ESPAÑOL | PORTUGUÊS ITALIANO | DEUTSCH | ENGLISH

## **LANGUAGE**

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Scan for more languages



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:**





Scan for Video Guide



Scan the QR Code to **Access Customer Support** 

## 1 (A) 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. This 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 have been given supervision or instruction concerning use of the device by a person responsible for their safety.
- 2. The device can be used by 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 if they understand the hazards involved.
- 3. Children shall not play with the device. This device shall not be used by children. Cleaning and user maintenance shall not be carried out by children.
- 4. Children should be supervised to ensure that they do not play with the device.
- 5. Ensure that children do not attempt to touch the device while it is operating.
- 6. Do not allow children to ride the device under any circumstance.
- 7. Do not operate the device with people or animals in the pool.
- 8. While operational, do not place your hands into any part of the device as this may result in injury.
- 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. WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this device.
- 12. The device must only be supplied at SELV.
- 13. The lithium battery in this device is a DC 16.8V, 4000mAh, 28-cell battery. The battery must be removed and discarded according to local laws and regulations before disposing of the device.
- 14. The device can only be charged with the specific wireless charging dock (model: CHW1), which is powered by the specific charger (model: GM95-294300-2FGN).
- 15. Do not place any objects between the device and the wireless charging dock. The device may fail to charge properly or overheat and get damaged as a result.
- 16. This device can only be used with C1264B4-04 or C1264B4-03 model lithium battery packs.
- 17. This device contains batteries that are non-replaceable. When the battery is at end of life, the device shall be properly disposed of.
- 18. Be aware of the risk of terminals of the battery-operated device or battery being short-circuited by metal objects.
- 19. 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.

- 20. Do not expose the device or battery to fire or excessive temperature. Exposure to fire or temperature above 70°C (158°F) may cause explosion.
- 21. Remove the device from the charger, and turn OFF the power button to the device before removing the battery for disposal of the device.
- 22. The battery must be removed and discarded according to local laws and regulations before disposal of the device.
- 23. Please dispose of used batteries according to local laws and regulations.
- 24. Do not incinerate the device even if it is severely damaged. The batteries can explode in a fire.
- 25. Ensure your device is turned off 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.
- 26. WARNING: To reduce the risk of electric shock, replace damaged cord immediately.
- 27. Only certified professionals should disassemble the sealed drive kit of your device.
- 28. Only use as described in this manual. Only use attachments recommended or sold by the manufacturer.
- 29. Do not operate your device simultaneously with any other pool equipment, such as a pool filter, cleaner, or skimmer.
- 30. Before cleaning, turn off the water pump and heating system.
- 31. 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.
- 32. Watch your steps and maintain balance when working near the poolside.
- 33. Do not drop, pierce the shell, or intentionally damage the device in any way, as this may void your warranty.
- 34. To prevent RF exposure, a separation of 20 cm or more is recommended between the persons operating the device and the device itself. Operation at closer distances is not recommended. The antenna used for this device's transmitter must not be co-located with any other antenna or transmitter.
- 35. Disconnect the robotic pool cleaner from the supply mains before carrying out user maintenance such as cleaning the filter.
- 36. The plug must be removed from the receptacle before cleaning or maintaining the charger.
- 37. When not using the charger for a long period of time, please unplug it.
- 38. When not in use, store the device indoors, in a cool, well-ventilated area.
- 39. The device is not protected against the effect of freezing. It shall not be left outside during freezing weather conditions.

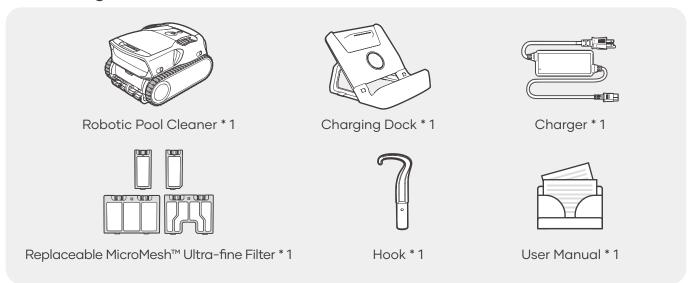
#### 40. CAUTION:

- FOR USE WITH SWIMMING POOLS ONLY.
- FOR USE ONLY WITH AUTHORIZED AIPER WIRELESS CHARGER DOCK, MODEL: CHW1.

#### SAVE THESE INSTRUCTIONS

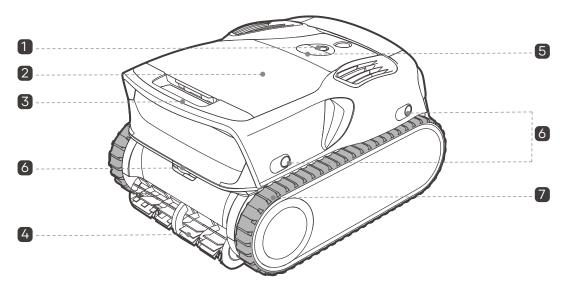
## 2 (Product Components

#### 2.1 Package Contents



#### 2.2 Component Overview

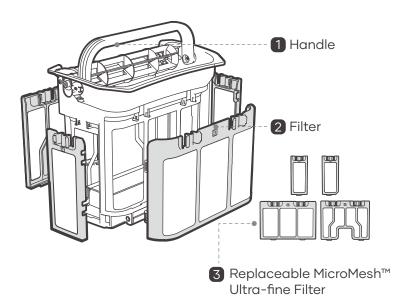
Robotic Pool Cleaner (Side View)



- 1 U: Power Button
- 2 Top Shell
- 3 Handle

- 4 Roller Brush
- 5 LED Status Indicator
- 6 Ultrasonic Sensor
- 7 Caterpillar Tread

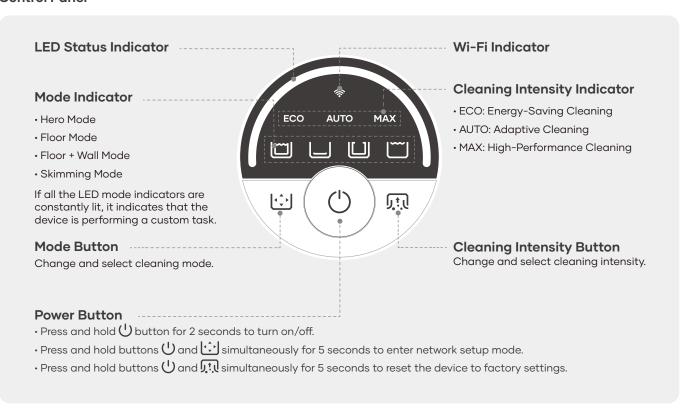
#### **Filter Box**



#### Notes:

- A replaceable MicroMesh™ ultra-fine filter is included with the purchase of this device. For filtering finer debris like sand, dirt, and certain types of algae, it is recommended to use this filter instead of the standard one for improved performance.
- To replace the filter, press the latch to remove the existing one, and insert the replaceable MicroMesh™ ultra-fine filter. Press it firmly until you hear a *click*, indicating that the filter is securely in place.

#### **Control Panel**



## **3** How to Use Your Aiper Scuba X1 Pro Max

#### 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: 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 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.







#### 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.

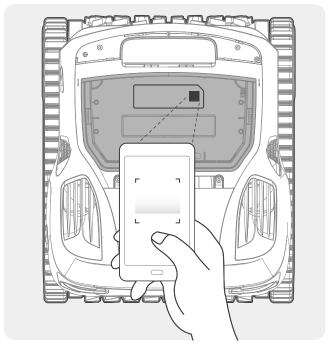
#### 3.3 Network Setup

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.

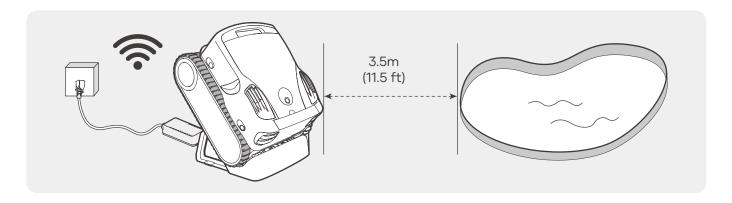
#### 3.4 Charging

#### **CAUTION:**

Please fully charge the device before using it to clean the pool.

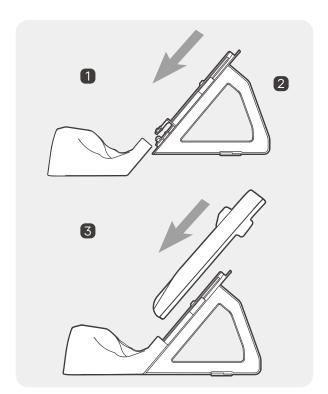
Do not charge the device in direct sunlight.

It's advised that a minimum distance of 3.5m (11.5 ft) separates your pool and charging location. For the best results, your charging location should have Wi-Fi coverage, as this will expedite OTA updates.



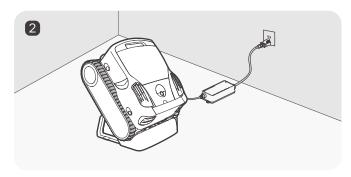
#### **Charging Options:**

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



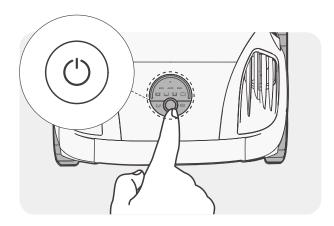
2. Connect the charger's cable to the charging port on the dock, and plug the adapter into any available outlet. Place the device onto the charging dock. The LED status indicator on the device will pulse while charging and turn solid green when fully charged.





#### 3.5 Cleaning Process

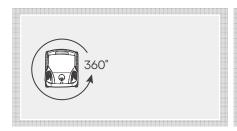
**1.** Press and hold  $\bigcirc$  button for 2 seconds to turn on/off the device.

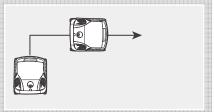


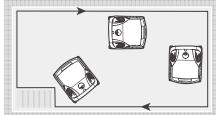
2. Press 🖰 button briefly to cycle through and select one of the four preprogrammed cleaning modes: Hero Mode, Floor Mode, Floor + Wall Mode, and Skimming Mode. Additional modes are available in the Aiper App.

Before submerging the device into the water, place the device on a horizontal surface for 5 seconds. After being submerged for a short period, the device will initiate the selected mode's cleaning task.

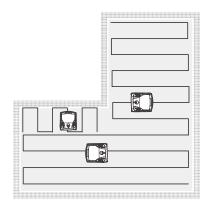
**3.** When the device is initially submerged, selecting a mode including pool floor cleaning will trigger the mapping process. The device will clean along the pool's floor contour to create an underwater map. After a successful mapping, there's no need to do mapping again for the same pool. However, before each cleaning, the device need to briefly move around the floor to relocate.

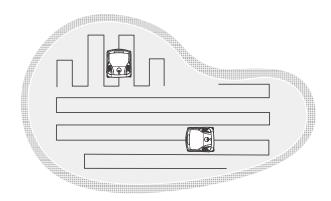




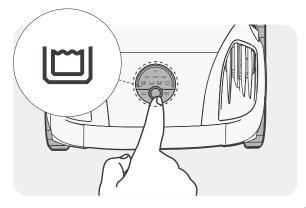


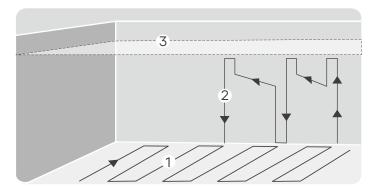
After the mapping is done, the device will automatically recognize the pool's shape and initiate the 5-shaped cleaning route when cleaning the pool floor. Once cleaning is finished, the device will return to the missed areas.





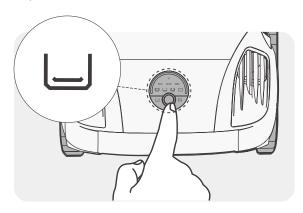
- 4. The details of each cleaning mode are described below:
- **Hero Mode:** The device will clean the pool floor, pool walls, and water surface sequentially. While cleaning the walls, it will clean the waterline at the same time.

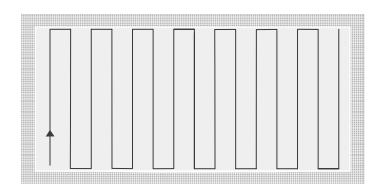




Hero Mode

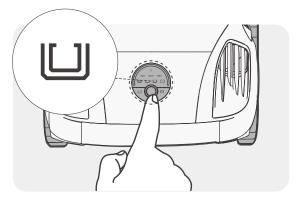
• Floor Mode: The device will clean the pool floor utilizing a 5 -shaped route, without climbing or cleaning pool walls.

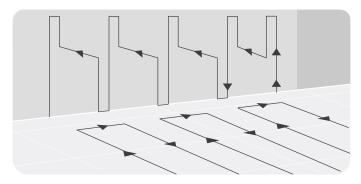




Floor Mode

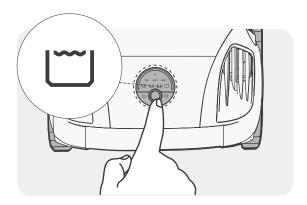
• Floor + Wall Mode: The device will clean the pool floor and pool walls sequentially, while cleaning the walls, it will clean the waterline at the same time.

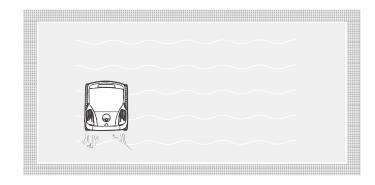




Floor + Wall Mode

• **Skimming Mode:** The device will clean the pool's water surface for 3 hours.





**Skimming Mode** 

**Note:** The device's cleaning route may be updated with firmware versions. For the most accurate information, please refer to the device's actual performance or the latest official guidance.

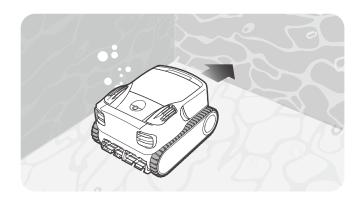
#### **Cleaning Intensity Selection**

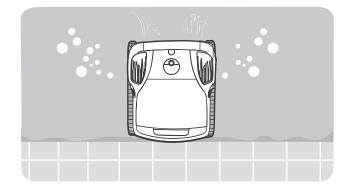
**ECO:** Energy-saving mode. In this mode, the device will save energy, extending the device's cleaning time. Cleaning performance is not affected and can still clean debris such as sand, leaves, insects, etc.

**AUTO:** Adaptive mode. In this mode, the device will intelligently regulate the output and operation speed of the water pump according to the distribution of debris on the pool floor to get the balance of cleaning ability and battery life.

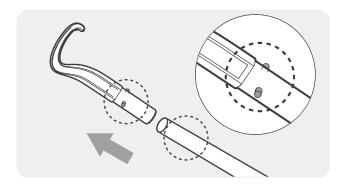
**MAX:** High-performance mode. In this mode, the water pump will work continuously at high power, providing great cleaning capability.

**5.** When the device completes a cleaning task, it will automatically ascend to the water's surface near the point of entry.





If, for any reason, the device doesn't ascend to the water's surface, attach the included hook to any standard telescopic pool pole (not included) to extend the reach. Hook and lift the device out of the pool.





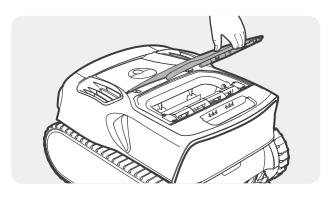
**6.** Allow the device to drain any stored water before storing or charging the device.



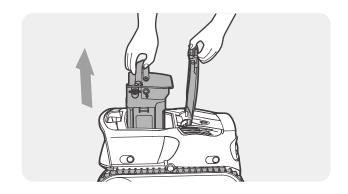
## 4 (Maintenance)

#### 4.1 Cleaning the Filter Box

**1.** Place the device on a flat surface and lift the top shell.



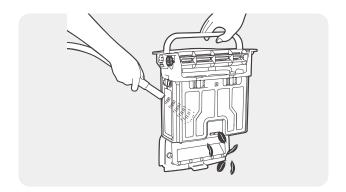
**2.** Remove the filter box by lifting its handle.



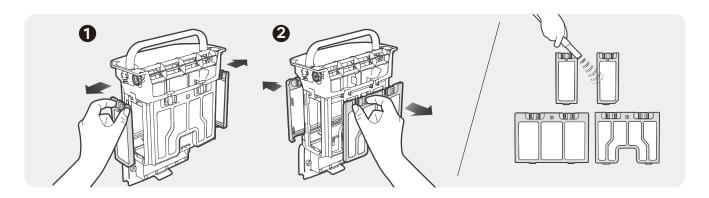
**3.** Press the latch on the bottom of the filter box and lift the top handle to open it.



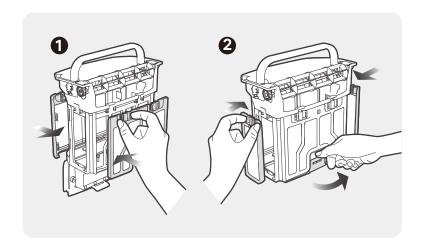
**4.** Empty, rinse and dry the filter box.

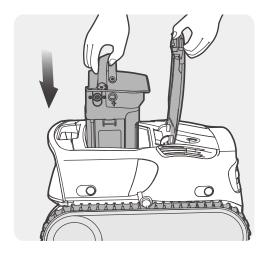


**5.** For a thorough cleaning of the filter box, press the latch to remove the filter for cleaning.



**6.** After drying, reinstall the filter and filter box into the device.



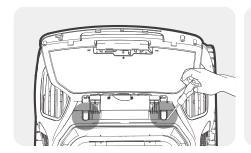


#### Notes:

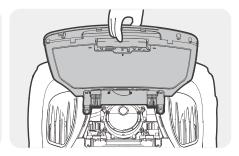
- After each cleaning task, promptly remove the device from the pool and clean the filter box immediately. Avoid leaving the device in the pool for extended periods.
- Drying the filter and filter box after each cleaning is not required and is recommended solely to prevent moisture-related odors.
- When drying or storing your device, including the replaceable MicroMesh™ ultra-fine filter and filter box, it's recommended to store them in a well-ventilated area, out of direct sunlight.
- The replaceable MicroMesh™ ultra-fine filter traps 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 the replaceable MicroMesh™ ultra-fine filter. If there is a significant amount of visible debris, it is recommended to use an ordinary filter.
- It is advisable to use a high-pressure water gun to clean the 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 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

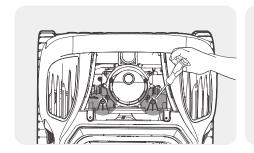
- 1. Open the top shell and pry open the 2 screw covers with a flathead screwdriver.
- 2. After removing the screw covers, unscrew the 2 screws with a screwdriver, and then remove the top shell.

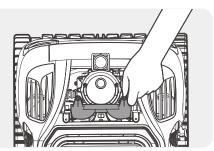


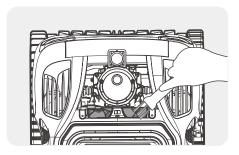




- 3. You will see the inside of the device. Disassemble the 2 screws to remove the propeller cover.
- 4. Clean the remaining debris, and reinstall the disassembled parts in order.

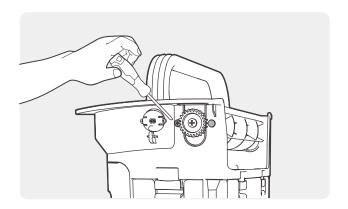




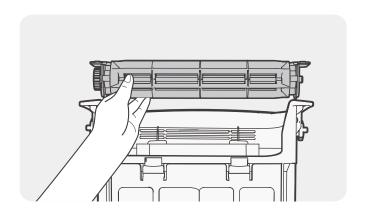


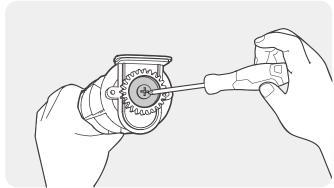
## 4.3 Cleaning Impeller / Water Surface Cleaning Impeller

**1.** Remove the filter box, and unscrew each of the 4 screws on the both sides of the filter box with a screwdriver.

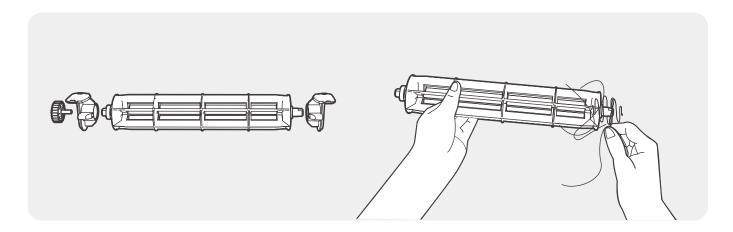


2. Pull the impeller upwards and remove it. While holding the impeller, unscrew the screws on the end.

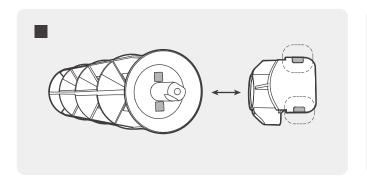


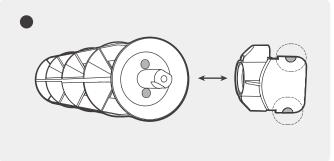


**3.** Remove the gear and the end cap in order, and clean the impeller.

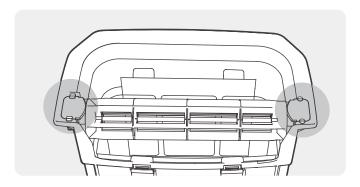


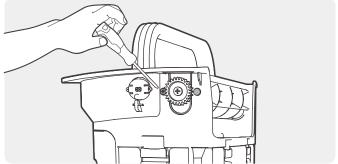
**4.** Reinstall the end cap and the gear in order, and secure all removed screws with a screwdriver. CAUTION: The 
on the impeller and the on the end cap should be aligned with each other.





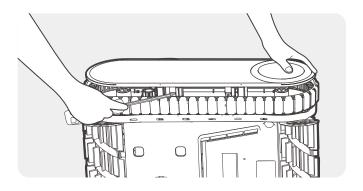
**5.** Insert the impeller into the filter box. Ensure that the  $\blacksquare$  on the end cap and the  $\blacksquare$  on the filter box are aligned with each other. Attach and secure the 4 screws in order.

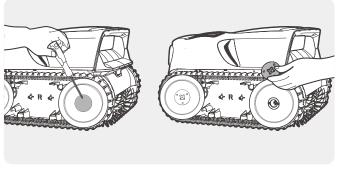




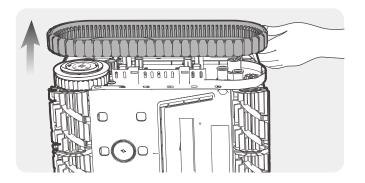
#### 4.4 Replacing the Caterpillar Tread

- 1. Remove the side cover plate from the device: Lay the device on its side, press the 4 clips on the side cover plate inwards and pry them, and remove the side cover plate upwards.
- **2.** Remove the screws and the guide sleeve from the rear wheel.



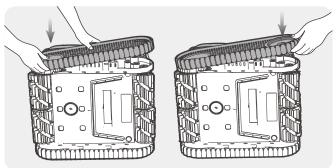


**3.** Remove the rear wheel and caterpillar tread of the device by gently pulling each piece.

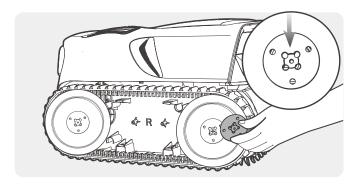


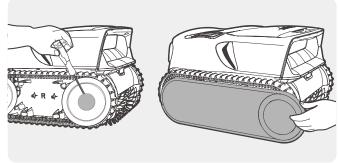
**5.** Install the rear wheel guide sleeve, and rotate the clip to ensure that the 2 bumps are aligned with the holes of the device.





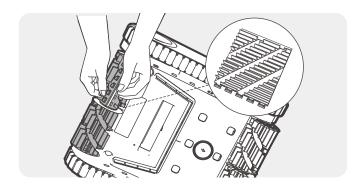
**6.** Tighten the screws and reinstall the side cover plate. Repeat this step for the other caterpillar tread.



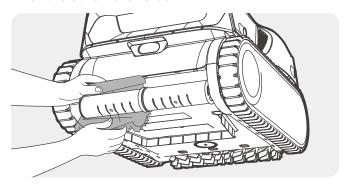


#### 4.5 Replacing the Roller Brush

**1.** Remove all the silicone buckles from your current roller brush.



2. Once removed, take the replacement roller brush and align the silicone buckles with the slots. Press the buckles into each slot to secure the new roller brush to your device. Repeat this step for the other roller brush.



#### 4.6 Powering Off and Storing Your Aiper

During off-seasons, such as winter or long vacations, when your Aiper device isn't in use, follow these steps to keep it in top shape:

- **1.** Fully charge the device before storing it. Ensure the device is turned off and disconnected from the charger before storing.
- **2.** Thoroughly clean the entire device, including the top and bottom shells, wheels and brushes to remove any dirt.
- **3.** Dry the device with a tissue or soft cloth, and ensure the charging port cover is properly closed.
- 4. Store the device in its original packaging in a cool, dry, and well-ventilated place.
- **5.** Recharge the battery every six months to maintain its health.

## 5 (Specifications)

Model: PRX9	Suction Power: 32000 LPH (8500 GPH)			
Pool Size: 300m² (3200 Sq.Ft)	Off Power: 0.31W			
Rated Input: 29.4V==2.2A	Battery Pack Life:			
Charger Model: GM95-294300-2FGN	Up to 5 Hours - Floor, Up to 10 Hours - Skimming			
Charger Input: 100-240V~, 50/60Hz, 2.5A	Battery Pack Model: C1264B4-04 or C1264B4-03			
Charger Output: 29.4V=3.0A	Battery Pack Capacity: 10400mAh (262.08Wh)			
Wireless Charger Dock Model: CHW1	Battery Pack Voltage: 25.2V			
Wireless Charger Dock Input: 29.4V==3.0A	Water Protection Rating: IPX8			
Wireless Charger Dock Output: 29.4V==2.2A	Charger Protection Degree: IP67			
Charging Time: 4 Hours	Max Water Depth: 3m (10 ft)			
2.4G Wireless Charger Dock Frequency Range: 2.400-2.480GHz, Maximum E.I.R.P: -12.94dBm				
Bluetooth Frequency Range: 2.4000-2.4835GHz, Maximum E.I.R.P: 10dBm				
2.4G Wi-Fi Frequency Range: 2.4000-2.4835GHz,	Maximum E.I.R.P: 20dBm			

	Direct current.
$\sim$	Alternating current.
(ii)	Class III equipment.
	Short-circuit-proof safety isolating transformer.
CLASS I LASER PRODUCT	CONSUMER LASER PRODUCT EN 50689: 2021 IEC 60825-1: 2014 EN 60825-1: 2014+A11: 2021

S -	Switch mode power supply.
	For indoor use only.
+00-	Polarity of d.c. power connector.
	Read user's manual.
3 m	Max water depth.

## LED Indicator

Indicator Types	Indicator Status	Status Description
	Pulsing Blue Remote Control Mode.	
	Pulsing Green	Charging.
	Solid Green	Charging Complete.
	Duloing Volloy	To Reset the Device: Hold () + [.] for 5 seconds. The device will then be restored to its factory settings.
LED Status Indicator	Pulsing Yellow	OTA in Progress: The device is automatically updating to the latest firmware.
	Flashing Red	The device is faulty. Please follow the App's instructions for troubleshooting.
	Solid Red	Low battery level (Battery < 15%). Automatic shutdown soon.
	Solid Blue	Moderate battery level (Battery 15%-30%).
	Solid Green	Sufficient battery level (Battery > 30%).
	Pulsing Green	Connecting to Wi-Fi.
Wi-Fi Indicator	Solid Green	Wi-Fi Connected.
	Off	Wi-Fi Disconnected.

## 7 Troubleshooting

NO.	Malfunction	Possible Causes	Solutions
	Davias de sault	Insufficient battery power.	Fully charge the device before using it.
1	Device doesn't turn on.	Battery temperature too high/low.	Only operate the device in an environment between 0°C (32°F) and 40°C (104°F).
		The device is not in place.	Replace the device. Ensure that the bump on the charger is fully inserted in the device inlet.
2	Device not charging.	Charger is damaged or not powered.	Check if the charger plug is securely connected and if there is a <i>beep</i> sound after plugging in the power supply. If the plug is connected correctly but there is no <i>beep</i> , the charger may be faulty. Please contact Aiper customer service.
		Battery temperature too high/low.	Only operate the device in an environment between 10°C (50°F) and 40°C (104°F).
		Extended non-use of the device has caused the battery to discharge.	Follow <i>the Powering Off and Storing Your Aiper</i> section in the <i>Maintenance</i> guide for proper storage of the device. If the device won't charge due to extended non-use, please contact Aiper customer service.
3	Device doesn't avoid obstacles.	Sensor lens is dirty.	Use a soft,dry cloth to clean the sensor lens to prevent obstructions.
4	Device remains on the pool drain for too long.	The device has been caught by the pool drain.	Do not open the pool drain while the device is cleaning. If stuck, the device will free itself.
5	Device stuck at waterline in Waterline Mode.	Small protrusion at waterline not detected by sensor.	No action is required; the device will sink to the pool bottom within 1 minute and continue cleaning after avoiding waterline obstacles.
		Filter box is full.	Please empty and thoroughly clean the filter box.
6	Device tilts or shows decreased cleaning performance in	Filter is clogged.	Please rinse the filter with a high-pressure water gun.
	water.	If the LED status indicator is flashing red, the propeller may be jammed.	Check for any debris on the propeller and clean it if needed. For details, refer to the <i>Maintenance</i> section for <i>Cleaning the Propeller</i> .
7	Device has stopped	If the LED status indicator turns solid red, the battery is low.	If the cleaning task ends early, the device may have been low on battery. Ensure the device is fully charged before use.
	working.	If the LED status indicator is flashing red, the device may be faulty.	Please follow the App's instructions for troubleshooting.

## 8 Warranty

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

- 1. This product comes with a 36-month warranty that covers your item's battery and motor from the date of purchase.
- 2. This warranty is voided if the product has been altered, misused, or has been repaired by unauthorized persons.
- 3. This warranty extends only to manufacturing defects and does not cover damage resulting from the mishandling of the product by the owner.
- 4. The order number or record of purchase must be presented at the request of any repair claim during the warranty period.
- 5. This is an additional warranty offered by AIPER INTELLIGENT SARL, 43-47 avenue de la Grande Armée, 75116 Paris, France. This warranty does not affect the free of charge remedies for lack of conformity that the consumer holds against the seller, according to law.
- 6. Warranty Email: service@aiper.com

#### SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Shenzhen Aiper Intelligent Co., Ltd. declares that the radio equipment type PRX9 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

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

The EU declaration of conformity can be requested via the address below: AIPER INTELLIGENT SARL

43-47 avenue de la Grande Armée, 75116 Paris, France







## European Union Compliance Statement Information on Disposal for Users of Waste Electrical & Electronic Equipment.

#### **Correct Disposal of this Product**



This symbol on the product or on its packaging indicates that used electrical and electronic products should not be mixed with unsorted municipal waste. For proper treatment, it is your responsibility to dispose of your waste equipment by arranging to return it to designated collection points.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

To return your used device, please use the return and collection systems or contact the retailer where the product was purchased, which is free of charge, please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

#### Information on Disposal for Users of used batteries



This symbol means that batteries and accumulators, at their end-of-life, should not be mixed with unsorted municipal waste. Your participation is an important part of the effort to minimize the impact of batteries and accumulators on the environment and on human health. For proper recycling you can return this product or the batteries or accumulators it contains to your supplier or to a designated collection point, which is free of charge.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

There are separate collection systems for used batteries and accumulators.

Please, dispose of batteries and accumulators correctly at your local community waste collection/recycling center.

#### Manufacturer

Shenzhen Aiper Intelligent Co., Ltd.

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