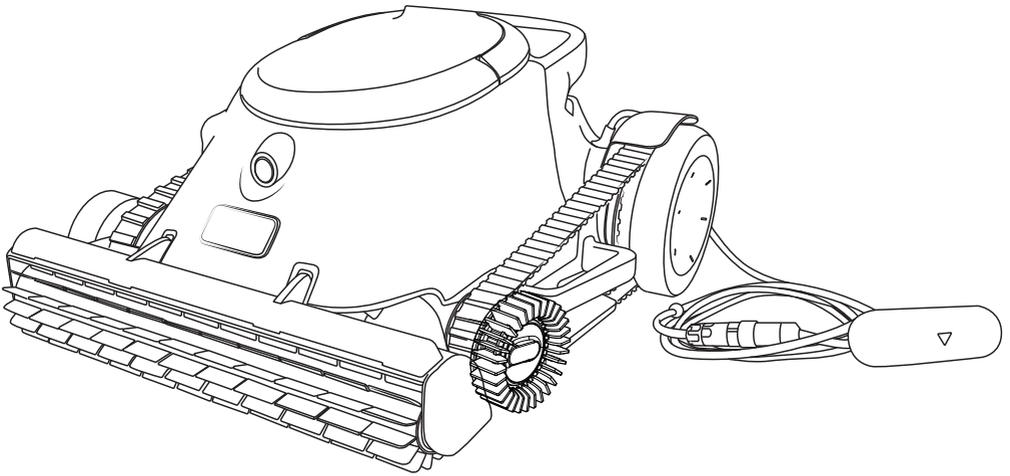


# Robotic Pool Cleaner

## User Manual

English



**Robotic Pool Cleaner**

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# 1. Safety Precautions

## 1.1 Precautions

### Danger

- Do not allow children to ride on or play with the product.
- This product is intended for use by persons aged 18 and over only.
- Never insert hands into the impeller while it is in operation.
- Do not touch or handle the robot while it is operating.
- Only start and operate the pool robot when the pool is clear of all people and animals.
- Do not use non-original or unauthorized accessories and power adapters.
- Do not charge in high-temperature (>40°C) or high-humidity (>85%) environments.
- Do not puncture the pool robot's casing with fingernails or other sharp objects.
- Do not hammer, impact, or throw the pool robot.
- Do not use or store the pool robot near any high-temperature heat sources.
- Do not cover the product or place it near flammable materials while charging.
- The pool robot's motor contains grease. If the unit is damaged, remove it from the pool immediately to prevent contamination.
- Only certified professionals are permitted to disassemble the sealed motor & electronics unit of the pool robot.

### Warning

- Always clean and rinse the filter after use.
- This product is intended for routine pool cleaning only.
- Do not use for the initial pool opening process (e.g., water quality adjustment, water changes, chemical additions).
- Do not use in environments other than a swimming pool (e.g., on the ground, in pipes, in fish tanks).
- Never add any pool chemicals to the water while the robot is operating or submerged in the pool. Always remove the robot completely from the pool and allow it to drain before performing water maintenance.
- Do not operate the robot in a pool with no water or with insufficient water levels.
- Due to the robot's weight and size, it must be lifted by two people. Use a proper lifting technique: bend at the knees and keep your back straight. Avoid lifting alone to prevent back injury.
- When removing it from the water, two people should work together to lift the robot out horizontally. Let it rest on the poolside for 1-2 minutes to allow the internal water to drain, which will reduce its weight before carrying.

## Caution

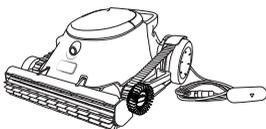
- Always clean and rinse the filter screen after use.
- Turn off the pool robot before maintenance, cleaning, or long-term storage.
- Store the pool robot in a cool, ventilated area away from direct sunlight.
- Keep the robot's operating area clear of any coverings or obstructions to prevent internal components from overheating and being damaged.
- Charge the robot in a dry, ventilated, and cool place (Temperature: 0—40°C, Humidity: <85%).
- Ensure the charger and the power outlet are completely dry before charging.
- For long-term storage (over 1 month), it's recommended to charge the battery every three months, keeping the charge level between 40% and 60%. Allowing the battery level to stay too low for too long can cause permanent damage.
- Disconnect the power supply and unplug the charger before cleaning or inspection.
- If any parts are found to be abnormally worn or damaged, contact a professional technician or an authorized service center for inspection and repair.

## 1.2 Water Conditions

PH	7.0 to 7.8
Operating Temperature	5°C to 40°C
NaCl	Max 5000 PPM
Chlorine	Max 4 PPM

## 2. Unboxing

### 2.1 What's in the Box



1×Robot ①



1×Charger



1×Remote Control



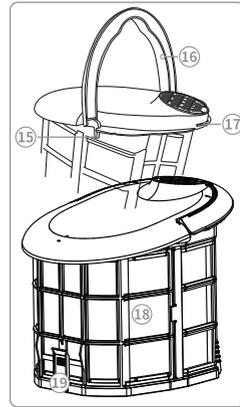
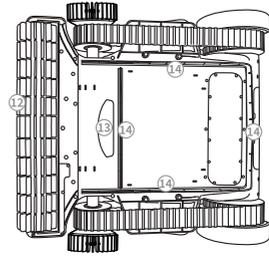
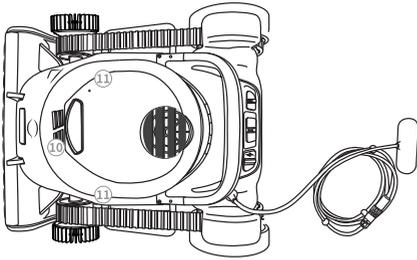
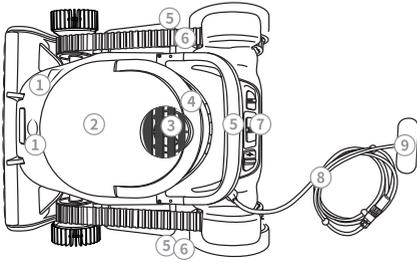
3× AA batteries



1× Manual

- ① The robot includes a standard 150µm filter, plus an additional spare 150µm screen. For finer filtration, the screen can be replaced with an optional 25µm HEPA filter (sold separately)

## 2.2 Product Overview



- 1) Ultrasonic Sensor
- 2) Filter Basket
- 3) Water Outlet
- 4) Filter Basket Handle
- 5) Carrying Handles
- 6) Tracks
- 7) Charging port /  
Cleaning-mode selector /  
Indicator lights
- 8) Floating Cable
- 9) Buoy Handle
- 10) Water Outlet
- 11) Filter Basket Latch

- 12) Roller Brush
- 13) Suction Inlet
- 14) Scrubber Brush
- 15) Filter Basket Locking Latch
- 16) Filter Basket Latch
- 17) Filter Basket lid
- 18) Mesh Filter
- 19) Filter Basket Base

## 2.3 Product Specifications

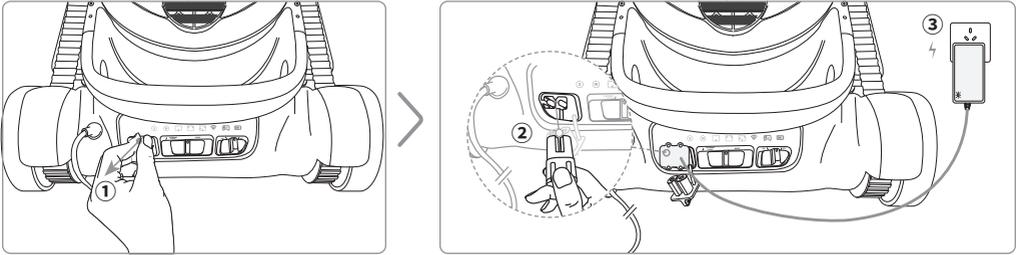
Product information	Robotic Pool Cleaner
Product dimensions	556*470*262 mm (L×W×H)
Weight	9.4kg( ± 0.1)
Pool depth	0.6m-3.6m(2ft-12ft)
Longest runtime for once	7.5h (Floor Mode Only)
Operating environment temperature	5°C to 40°C
Pool pH levels	7.0 to 7.8
Maximum pool tilt angle	50°
Storage temperature	-20°C to 45°C ,RH ≤ 75%
Cleaning module	
Cleaning power	Max100W
Filter basket capacity	6L
Particle filtration range	75μm (Using the standard filter and disposable filter bag.)
Pool coverage	Floor、 Wall、 Waterline、 Surface (with optional skimmer )
Cleaning modes	Auto/Manual
Cleaning speed	0.5m/s;30 m / min
Cleaning efficiency	12m <sup>2</sup> / min Or 600m <sup>2</sup> / h (This figure is only for reference. Actual figures for the cleaning area may vary from the shape of the pool.)
Smart features	
Path planning	AdaptiveNav Path Planning 4.0
Filter full indicator	Supported
AdaptiveSuction technology	Supported
Other features	
Ultrasonic	Supported (Dual)
Voice prompts	Supported
Battery	
Battery capacity	18000 mAh (333 Wh)
Nominal voltage	18.5V
Charging limit voltage	21V
Battery type	5S4P
Charging environment temperature	0°C to 40°C
Charging power	60W
Remote control	
Remote control handle	Supported
Remote control handle longest battery life	≥ 50h
Maximum control distance	30m
Operating environment temperature	0°C to 40°C
APP	
APP	Supported
Connection method	Bluetooth + WiFi
APP manual mode	Supported
Live cleaning status	Supported

# 3. Getting Started

## 3.1 Charging

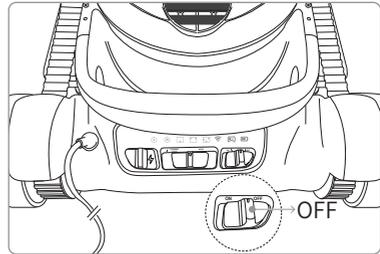
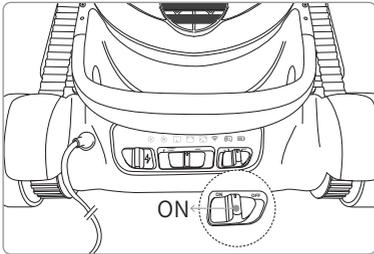
Before use, please make sure to charge the pool robot.

- ① Remove the charging port plug.
- ② The charging connector is designed to be inserted only one way to ensure a proper connection
- ③ Plug the power head into a socket (supports AC: 100-240V-50/60Hz).  
■ will flash. On the robot, the battery light will flash while charging and turn solid green when complete. On the power adapter, a red light indicates charging, and a green light indicates it is finished



## 3.2 Turn On/Off

- Slide the power switch to the "ON" position to turn on the device, the cleaning status and battery indicator lights will turn on.
- Slide the power switch to the "OFF" position to turn off the device. The indicator lights will turn off.



### 3.3 Battery Level

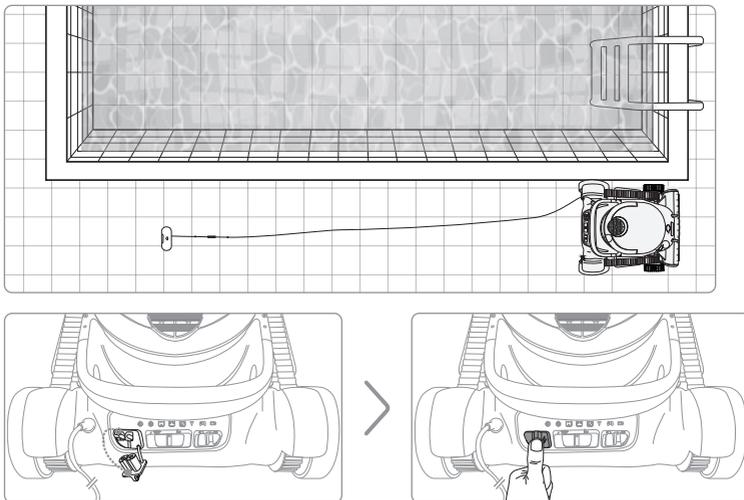
Monitor the battery level indicator while the robot is cleaning. When the battery is low, make sure to recharge the pool robot promptly.

icon color	Battery Level	Status
 Green	$\geq 60\%$	The pool robot can operate normally.
 Yellow	20%~60%	Pay attention to battery level
 Red	$\leq 20\%$	Low battery – recharge immediately

**⚠ Note:** Please recharge the pool cleaning robot promptly when the battery level is  $\leq 20\%$  to prevent over-discharge of the battery.

### 3.4 Using the Robotic Pool Cleaner

- Fully extend the floating cable to avoid tangling and knots.
- Check if the charging rubber plug is properly installed. Once secured, place the robot in the pool to begin cleaning

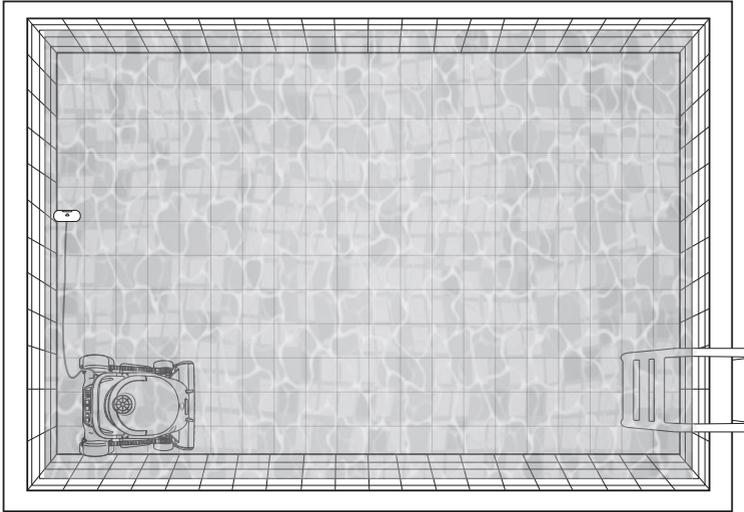


- 
- Slide the slide power switch to "ON" to start the pool robot.
  - Grab the rear handle of the robot and place it in the water; the robot will automatically sink to the bottom of the pool.
  - Once it reaches the pool bottom, the robot will start cleaning in the selected mode.



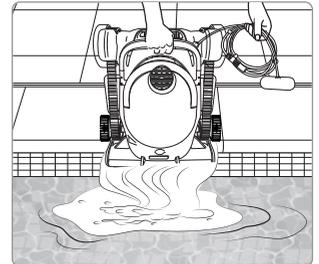
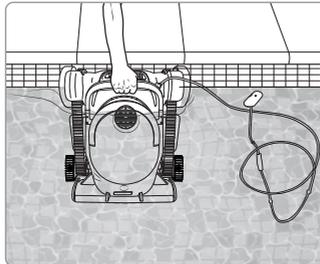
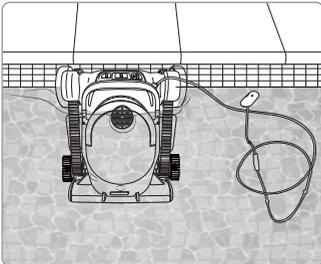
### 3.5 Auto Parking

After its cleaning cycle, the robot will automatically park at the pool's edge.



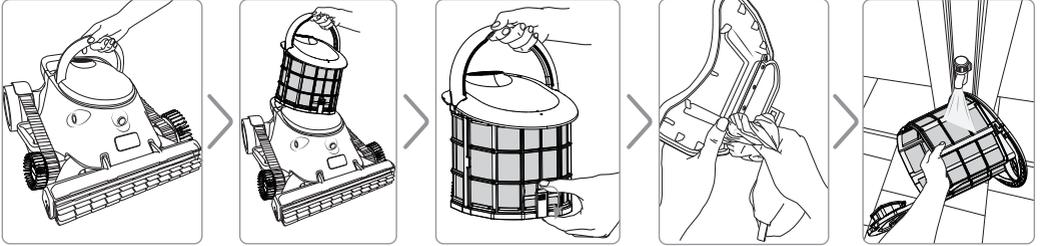
### 3.6 Waterline Retrieval

- You can use the "Lift" function in the app to control the robot to approach the water surface, or gently pull the floating cable to bring the robot to the surface.
- Grab the rear handle of the robot and lift it gently.
- Let the water fully drain from the robot before lifting it completely out of the pool.



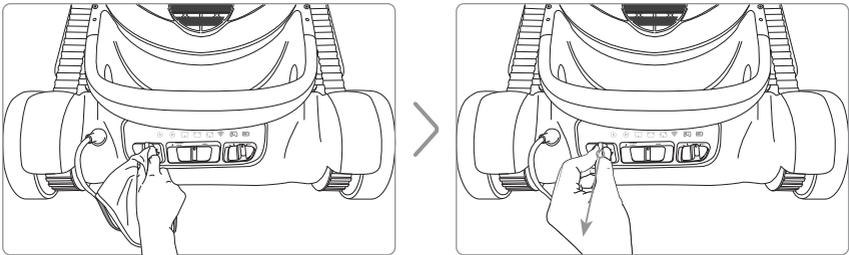
### 3.7 Filter Cleaning

- Remove the filter basket and open the filter basket base.
- Remove the disposable filter bag, clean and rinse out the debris inside. If the filter bag is heavily soiled, it is recommended to replace it.
- After emptying the remaining debris from the filter basket, rinse it thoroughly using a hose or pressure washer.

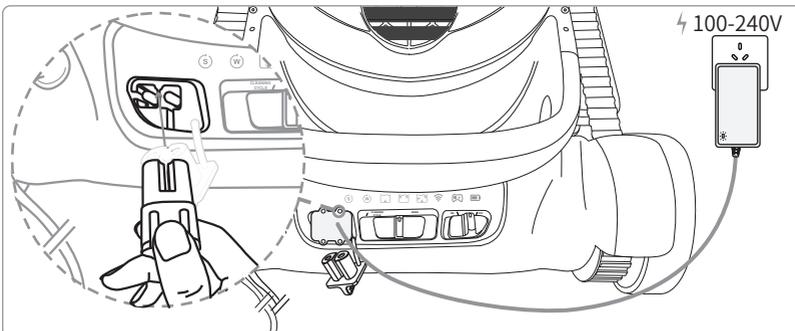


### 3.8 Charging after using

- After cleaning, dry the charging port area with a towel before unplugging the charging port cover.



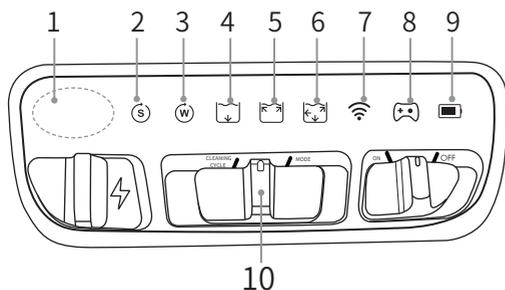
- The robot's charging port is designed to prevent reverse insertion. Please refer to the diagram below to charge the robot accordingly.



## 4. Function Description

### 4.1 Status Lights and Voice Prompts

Cleaning modes can be switched manually via the control panel without the app.



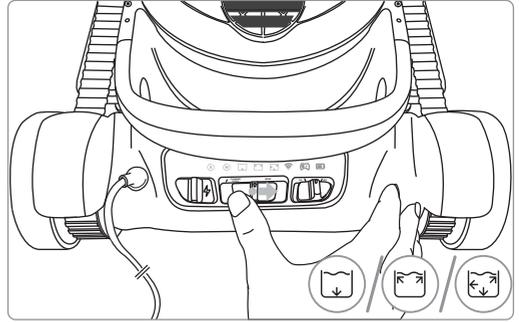
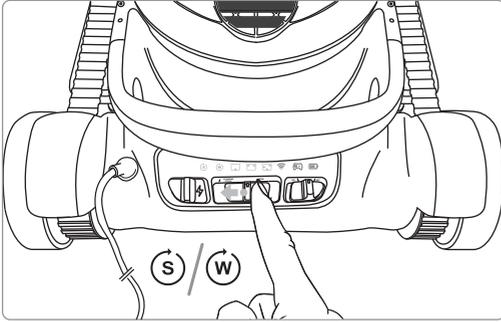
- 1) Voice Prompts<sup>①</sup>
- 2) Single cleaning indicator light
- 3) weekly mode indicator light
- 4) Floor Mode Indicator
- 5) Waterline Mode Indicator
- 6) Full Cleaning Mode Indicator
- 7) Wi-Fi Connection LED
- 8) Remote control Indicator light<sup>②</sup>
- 9) Battery level indicator light
- 10) Single/Weekly mode Selector

- ① Each mode switch is accompanied by a voice prompt
- ② When the robot is connected to the remote control, the remote control indicator light (🎮) will illuminate.

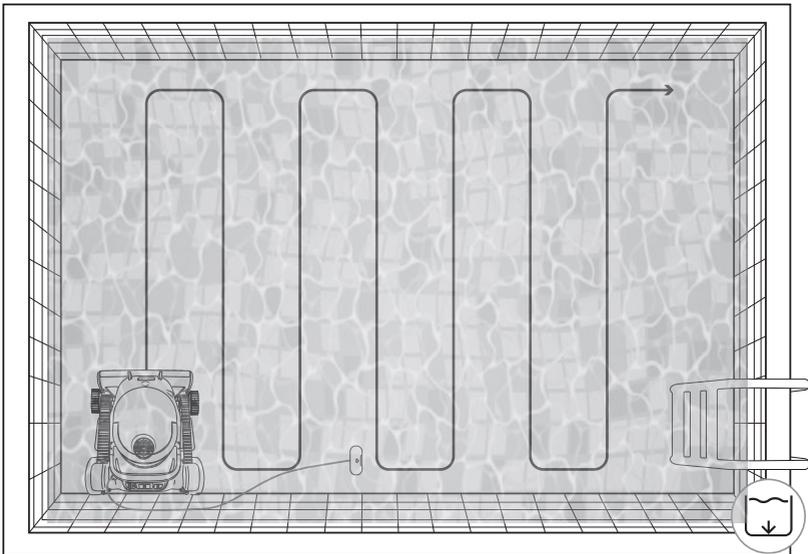
Status Light	Mode/Status	Voice Prompts	Explanation
Ⓢ	Single Cleaning Mode	Focus Cleaning	The robot performs one cleaning cycle.
Ⓜ	Weekly Mode	Schedule Cleaning	The robot automatically cleans at the scheduled times
⬇️	Floor Mode	Floor	The robot will only clean the pool bottom.
🌊	Waterline Mode	Waterline	The robot cleans the waterline and the floor.
🌊⬇️	Full Cleaning Mode	All-around	The robot cleans the pool bottom, walls, and waterline.
📶	Network connection	/	The robot is connected to the Wi-Fi.
🎮	Remote Control Connectivity	Remote Control Connected	The robot is connected to the Remote Control.
🔴	Red light on	Low battery, please charge	Warning when battery $\leq 20\%$
🟡	Yellow Light on	/	$20\% < \text{Battery Level} < 60\%$
🟢	Green Light on	/	Battery level $\geq 60\%$
🔴	Blinking Red Light	/	Charging: Battery level $\leq 20\%$
🟡	Blinking Yellow Light	/	Charging: $20\% < \text{Battery Level} < 60\%$
🟢	Blinking Green Light	/	Charging: Battery level $\geq 60\%$

## 4.2 Auto Mode

- Move the mode selector left to toggle between Single and Weekly modes. The corresponding status light will illuminate, accompanied by a voice prompt.
- Move the selector right to cycle through Floor, Waterline, and Full-Cleaning modes. The corresponding status light will illuminate, accompanied by a voice prompt.

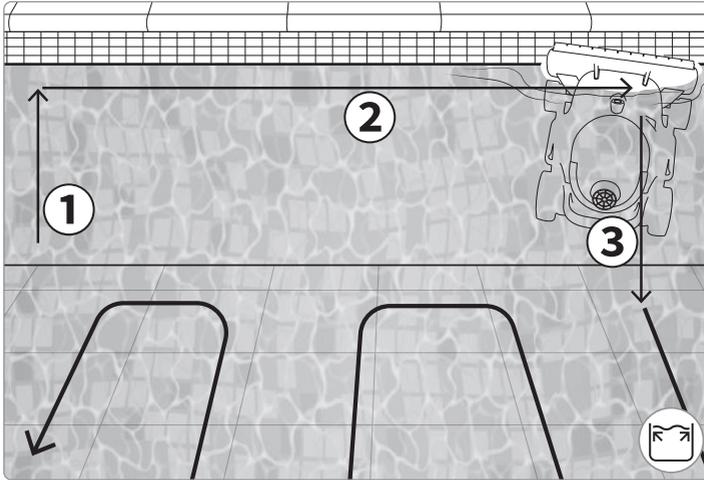


- Once set, place the robot in the pool. It will start cleaning automatically based on the selected mode.
- In Floor mode , the robot navigates and scrubs the pool bottom following an optimal cleaning path.

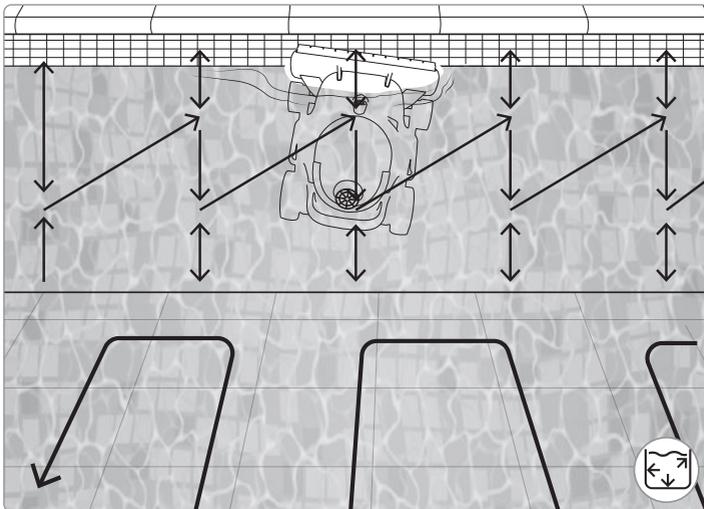


• In Waterline Mode (🏊) ,the cleaning actions are as follows:

- ① Climbs to the waterline
- ② Moves horizontally along the waterline, scrubbing as it goes.
- ③ Descend to the pool floor to provide an additional floor cleaning cycle after the waterline is complete.



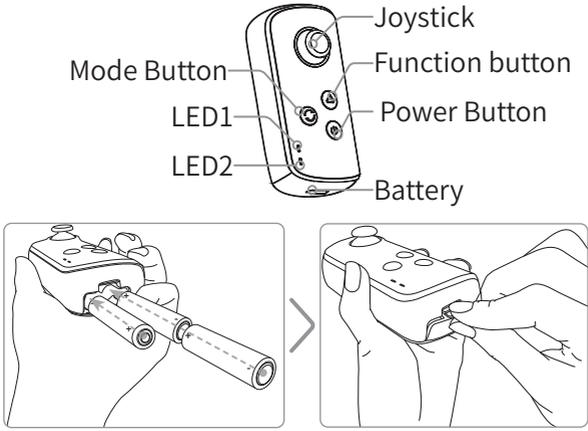
• In Full Cleaning Mode (🏊), the robot performs a thorough cleaning of the entire pool. The robot will systematically clean the walls and waterline before moving on to scrub the pool floor.



## 4.3 Manual Mode

In Manual Mode, you can directly control the robot's movement and features using the remote control or mobile app.

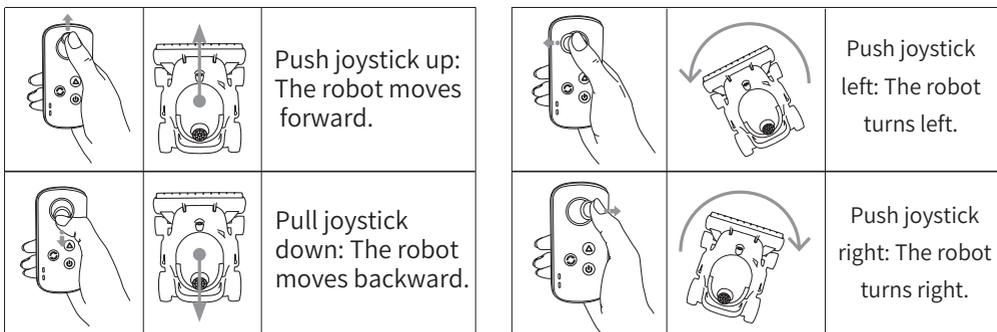
Insert three AA batteries into the remote control as shown in the diagram.



Component	Controls and Status	Explanation
⊕ Joystick	Forward/Backward	Controlling the robot's forward/backward movement
	Left/Right	Controlling the robot's turning
⊙ Function Button	Toggles roller brush speed	Toggles between two roller brush speeds: High and Regular.
⊙ Mode Button	Switch control mode	Switches between Auto Mode and Manual Mode.
⊙ Power Button	Long press for 2 seconds to power on/off	The robot powers on or off with an audible "Beep-Beep" sound.
	Short single press: Pauses / Resumes.	Auto Mode: Pauses the current cleaning cycle and stops all motors. Manual Mode: Pauses the water pump and roller brush motors.

Component	Controls and Status	Explanation
LED 1 Robot Status	Solid green light	Manual mode + Robot is working
	Flashing green light	Manual mode + Robot is idle
	Solid blue light	Auto mode status + Robot is working
	Flashing blue light	Auto mode + Robot is idle
	Light off	The robot fails to transmit the current status back to the remote control
LED 2 Remote Control Status	Flashing red light	Remote control is in search/connecting with robot status
	Solid red light	Low battery in remote control (accompanied by buzzer "Beep-Beep-Beep" alert)
	Light off	Normal state of remote control (normal battery + normal connection)
Buzzer	"Beep" single alert tone	Remote control power on/off prompt
	"Beep-Beep-Beep" tone, repeating every 10 seconds	Low battery in remote control with light change to remind for battery replacement 5 minutes of remote control inactivity prompts user to turn off; if not operated for 6 minutes, the remote control automatically shuts down.
Function button + Power button Combination	Simultaneous long press <b>[Function Key + Power Key]</b> for 2 seconds to enter joystick calibration mode	Successful startup in remote control triggers "Beep-Beep" alert. Full rotation of the joystick for front/back/left/right signals calibrate
	Double-click the Function Switch Button	Exit calibration mode, successful exit prompts "Beep-Beep" in remote control; LED alternates between blue and green lights quickly (5Hz frequency).
Mode Switch button + On/ Off button	Press and hold the [Mode Switch button + On/Off button] for 2 seconds to enter the pairing operation	After successful startup, the remote control prompts with a "beep-beep-beep" sound, and the LED flashes blue and green alternately and slowly (frequency: 1Hz); Successful pairing: After entering the pairing mode, the remote control automatically searches for devices with a special Bluetooth name. Once the pairing information is met, it will automatically connect to the device and remember this connection. It can only remember and connect to one robot, overwriting any existing pairing information.
		Failed pairing: If pairing is not successful within 60 seconds, the remote control will automatically exit the pairing state.
		After the first successful pairing, the remote control automatically switches to the manual mode + robot idle state, and synchronously issues commands to the robot.

The remote control's joystick is self-centering. When released, it will automatically return to the middle.



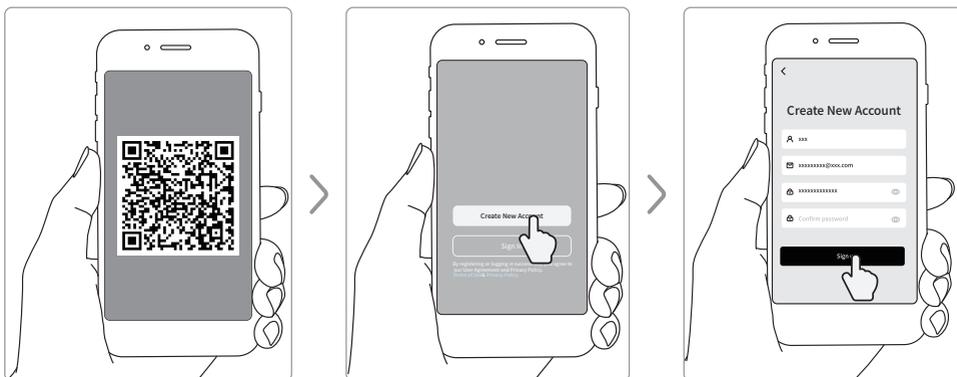
## 5. Using the APP

Connect your robot to the app to manage features and access services:

- Access cleaning settings and firmware updates.
- Obtain maintenance tips for the pool and the robot for better pool management.
- Contact the official support team to receive timely technical assistance.

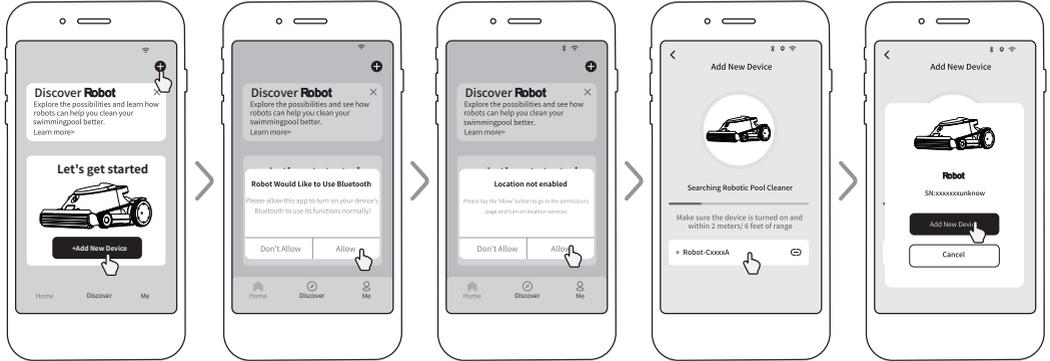
### 5.1 Download & Registration

Scan the QR code to download the app before first use, then follow the prompts to register or log in:



## 5.2 Pairing with the robot

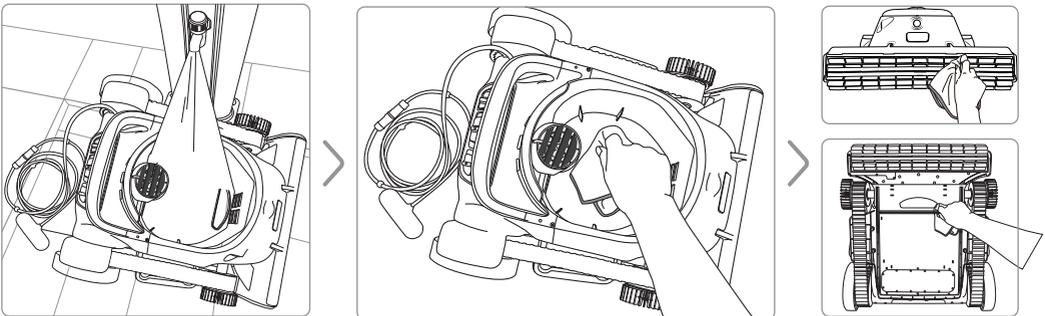
To set up your pool robot, open the app and tap **"+ Add New Device"**. When prompted, allow access to Bluetooth and location services on your phone. Once your robot appears on the search page, select it from the list to complete the pairing.



## 6. Maintenance and Care

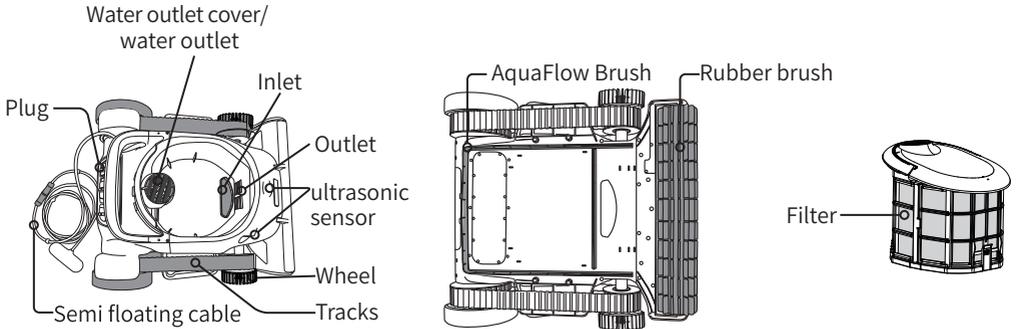
### 6.1 Parts Maintenance

After cleaning, rinse the robot and wipe off any sand or debris. Be sure to clean the filter basket, roller brush, and scrubber brush thoroughly.



## 6.2 Component Maintenance

For optimal performance and longevity, inspect the following components regularly.



1. Impeller: Check for any debris blocking the impeller (referred to as the water impeller in the diagram). If blocked, clear the obstruction immediately.
2. Inlet & Outlet: Inspect the water inlet and outlet ports and clear any blockages.
3. Ultrasonic Sensor: Ensure the sensor is not obstructed. Gently wipe it clean if necessary.
4. Floating Cable: Inspect the full length of the cable for any cuts, abrasions, or damage. If damage is found, stop using the robot and contact customer support.
5. Charging Port: Check the charging port plug for any signs of damage or corrosion.
6. Wheel Tracks: Check the tracks for looseness. If they are loose, adjust them to ensure a snug fit.
7. Tires & Brushes: Inspect the tires and scrubber brushes for significant wear. If wear is affecting the robot's cleaning performance or movement, contact your authorized dealer for guidance on purchasing and installing replacement parts.
8. Filter Basket: Check the filter basket for any cracks or tears in the fine mesh. Replace the basket immediately if it is damaged to ensure proper filtration.

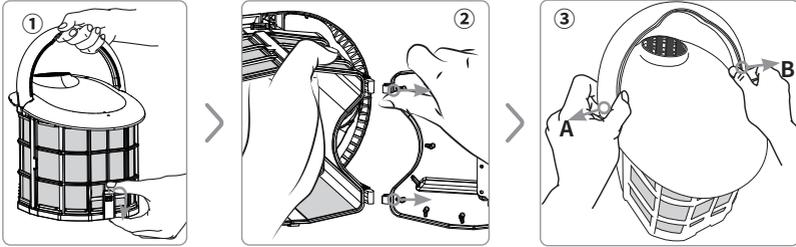
### Important Note

Do not attempt repairs yourself. For issues not covered in this manual, please contact our Customer Support team.

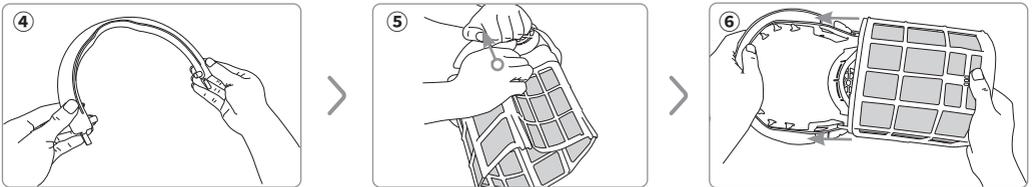
## 6.3 Filter Replacement

### Disassembling the Filter Basket

- ① Open the filter basket base.
- ② Pull apart the C-shaped fasteners on both sides of the bottom shell.
- ③ Grab the handle of the filter basket on both ends and pull outward forcefully (Do not pull both sides simultaneously. Always remove side A first, followed by side B)

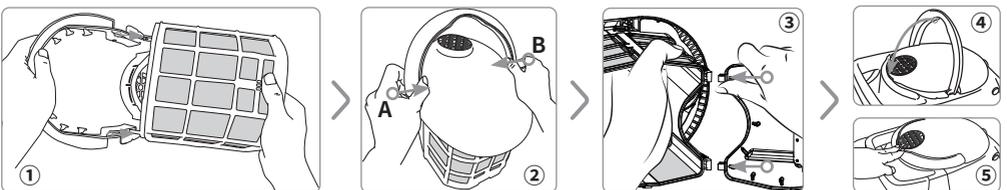


- ④ Remove the handle of the filter basket.
- ⑤ Apply outward force at the location of the filter basket top lid.
- ⑥ Separate the top cover of the filter basket.



### Assembling the New Filter Basket

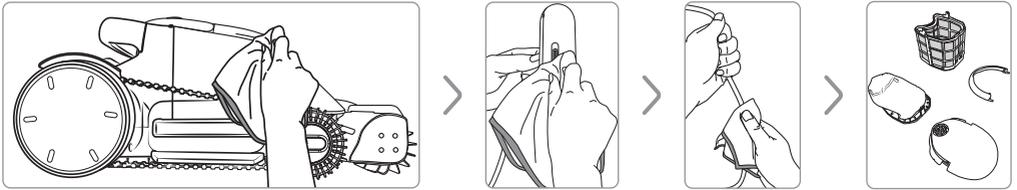
- ① Align the clips to install the filter basket with the water tank's top cover.
- ② Align the installation holes to attach the handle of the filter basket (Do not pull both sides apart at the same time for installation, install the A side first and then the B side).
- ③ Replace the disposable filter bag and install the bottom shell C-shaped fasteners.
- ④ After installing the filter basket back on the pool robot, make sure the handle of the filter basket is laid flat.
- ⑤ Press the handle into place to prevent it from lifting during pool cleaning.



## 7. Product Storage

When storing your pool robot for an extended period, follow these steps carefully to protect it.

- Make sure the robot is powered off.
- Ensure there is no water residue in the robot and keep it dry.
- Thoroughly clean the robot and filter basket, wipe the body, metal interfaces of the buoy handle, and semi floating cable with a dry towel.
- Disassemble the filter basket completely and let it air dry in a ventilated area.
- Before storage, fully charge the pool robot and recharge it every three months to maintain the battery capacity between 40%-60%.
- Store the pool robot in a place shielded from direct sunlight, rain, or frost.
- During winter, store the pool robot indoors to protect the battery.



## 8.Common Troubleshooting

Symptoms	Troubleshooting Steps
Robot will not power on	<ol style="list-style-type: none"><li>1. Ensure the power outlet is working and the power supply is securely connected.</li><li>2. Connect the charger to the robot and check for a charging indicator light.</li><li>3. After the robot is fully charged, attempt to power it on again.</li></ol>
Remote control does not operate the robot	<ol style="list-style-type: none"><li>1. Make sure the remote control has fresh batteries and is powered on.</li><li>2. Verify that the remote is paired with the robot. If not, follow the pairing procedure.</li><li>3. Ensure you are within operating range of the robot.</li></ol>
Robot will not connect to the app	<ol style="list-style-type: none"><li>1. Ensure the robot is powered on and you are within Bluetooth range.</li><li>2. Check that Bluetooth and Location Services are enabled on your phone.</li><li>3. Confirm the robot is correctly paired with the app on your phone. If needed, try removing the device from the app and re-pairing it.</li></ol>
Robot powers on but does not move	<ol style="list-style-type: none"><li>1. The battery level may be critically low. Charge the robot fully.</li><li>2. Power off the robot. Check the impeller and wheel tracks for any jammed debris or obstructions.</li><li>3. Use the diagnostic function in the mobile app to check for specific error codes.</li></ol>
Robot moves slowly or cannot climb walls	<ol style="list-style-type: none"><li>1. A full filter basket is the most common cause. Remove and thoroughly clean the filter basket.</li><li>2. Power off the robot. Check that the wheels and scrubber brushes can spin freely and are not tangled with hair or string.</li><li>3. The scrubber brushes may be worn down. Inspect them for wear and replace if necessary.</li></ol>
Robot cannot climb walls	<ol style="list-style-type: none"><li>1. Empty and thoroughly clean the filter basket.</li><li>2. Power off the robot and carefully place it on its side. Manually rotate the rear wheels to ensure they move smoothly and are not jammed with debris.</li></ol>
Robot is not cleaning effectively.	<ol style="list-style-type: none"><li>1. Empty and thoroughly clean the filter basket.</li></ol>

## 9. Warranty and After-sales

### 9.1 Warranty Period for Major Parts

Component	North America	EU	Australia	China	Others
Main Body (including battery)	2	2	2	2	2
Roller brush (wearable part)	No warranty	No warranty	No warranty	No warranty	No warranty
Filter assembly (wearable part)	No warranty	No warranty	No warranty	No warranty	No warranty
Wheel assembly (wearable part)	No warranty	No warranty	No warranty	No warranty	No warranty
Tread (wearable part)	No warranty	No warranty	No warranty	No warranty	No warranty

### 9.2 Other Warranty and After-sales Information

The product has undergone all quality control and safety tests conducted by the factory's technical department and complies with relevant legal requirements.

Warranty Information:

- The warranty is void if the product is altered, misused, or repaired by unauthorized personnel.
- The warranty covers manufacturing defects only and does not include any damage resulting from improper handling by the owner.
- Any claims or repairs within the warranty period must provide an order number or other relevant records.