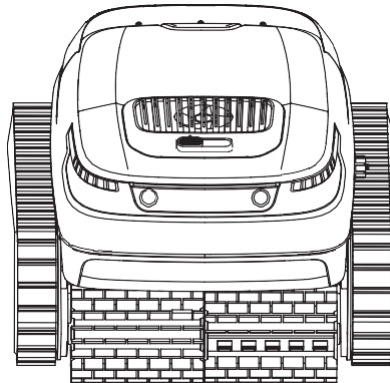


**ROBO-TEK**

*Innovative Robotic Solutions*

**ROBO-CHARGE**

User Manual



Please read this manual carefully before using the product and store the manual properly.

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# 1. WARNINGS

Thank you for purchasing Robo-Charge Robotic Pool Cleaner.

**Please read this manual carefully before using the product for the first time and keep this manual for future reference.**

- This product is intended for domestic use only and not for commercial or industrial purposes.
- This product has undergone rigorous testing before leaving the factory, including underwater testing. Therefore, there may be a small amount of water droplets or dirt remaining inside, which will not affect the operation of the product. Please feel free to use it normally.
- Do not operate the device when people or animals are in the pool.
- Please fully charge the robot before using it for the first time.
- Use only the adapter provided with the product for charging. Never use a third-party adapter. Do not use extension cables under any circumstances. Keep the product away from combustible materials when charging.
- Do not use a damaged power adapter to charge the product. A damaged power cord must be replaced by the manufacturer, a service agent, or personnel with similar qualifications. Never try to repair a damaged power cord by yourself. If repair is required, contact us.
- Make sure that the charging port is dry before connecting the product to the power supply.
- Please charge the product in a safe place away from water.
- Ensure that the power outlet is protected by a ground fault interrupter (GFI) or a ground leakage circuit breaker.
- Do not charge or use the robot when any abnormality is detected. Please contact customer service.
- This robot is not intended for use by people with reduced physical, sensory, or

mental capabilities or lack of experience and knowledge (including children) unless they have been given supervision or instruction for using the robot by a person responsible for their safety.

- Children should be supervised to ensure that they do not play with the robot.
- Cleaning and maintenance must not be performed by children without supervision.
- All packaging materials should be disposed of properly and kept away from children and pets.

- This product contains a Lithium battery. Do not disassemble the motor box to replace the battery. When the battery life ends, Contact ROBO-TEK to have the battery replaced by qualified personnel. Do not attempt to repair or modify any part of your product. All repairs must be done by qualified personnel only. No user-serviceable parts are included. If repair is required, contact us.
- This product must be serviced by a qualified professional with sufficient experience in the installation and maintenance of swimming pool equipment so that all instructions in the complete installation and operation manual can be accurately followed. Be sure to explicitly follow all safety instructions in the complete manual to prevent the risk of injury.
- Before cleaning or maintaining the robot, be sure to unplug the power plug from the power outlet.
- Do not pierce the robot casing with nails or other sharp objects. Do not hammer, impact, or throw the robot.
- Do not expose the product or battery to excessive temperatures.
- Be sure to remove the battery from the robot before recycling or disposing of the robot. When removing the battery, always disconnect the robot from the power supply.
- Please dispose or recycle used batteries in accordance with local administrative regulations. Consult a professional recycling agency if necessary.
- The oil sealing around the motor contains grease, which may cause a small amount of water pollution if the motor is damaged. If you believe there is a leak, stop using the product immediately.

- The charging position of the product should be at least 3 meters away from the edge of the pool.
- Only use the robot under the following water conditions:

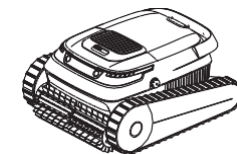
Chlorine	Max 4 ppm
PH	7.0-7.4
Temperature	5-35°C (41-95°F)
Sodium chloride	Max 5000 ppm

Before charging, read the instructions.

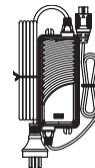
Maximum operating depth : 2.5m.

Applicable pool size	swimming pool of 1,076 square feet (100 square meters)
Pool depth	0.5-2.5 m (1.64-8.2 ft)
Robot dimensions	475 × 395 × 250 mm/18.7 × 15.6 × 9.8 inches
Robot weight	9 kg/19.8 lbs
Charger input	100-240 V ~50/60 Hz
Charger output	29.2 V 3 A (US: 29.4 V 3 A)
Robot input	29.2 V 3 A (US: 29.4 V 3 A)
Lithium battery capacity Max	5,200 mAh
Battery life	≥ 2 hours
Charging time	2.5 hours
Filter density	180 μm
Moving speed	10-15 m/min (32.8-49.2 ft/min)
Waterproof rating	IP68
Storage temperature	-20°C to +45°C

## 2. Packing List



Robotic Pool Cleaner  
(With built-in filter) × 1



Power adapter × 1



Hook × 1

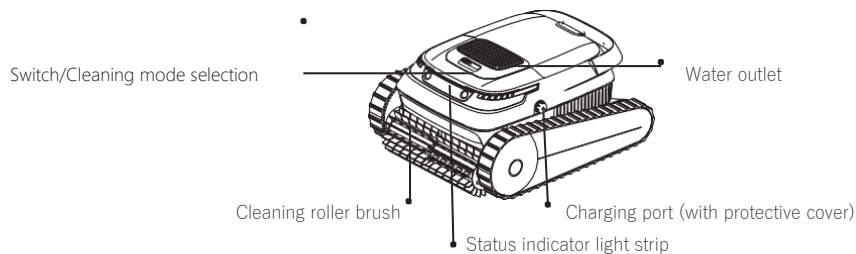


Warranty card × 1



Maintenance kit

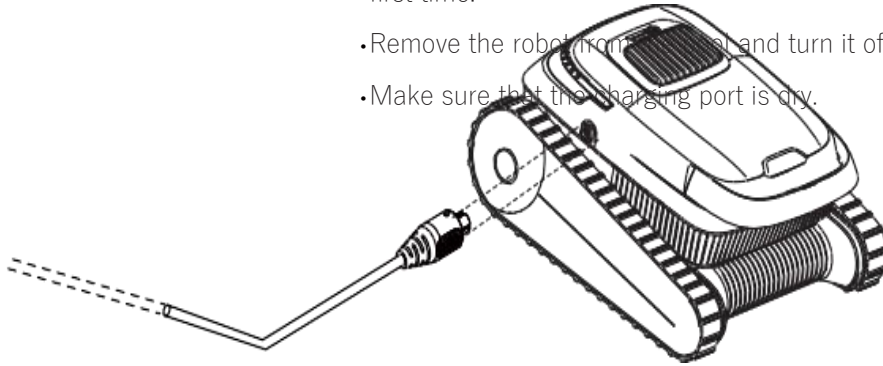
## 3. Product Overview



## 4. Instructions for Use

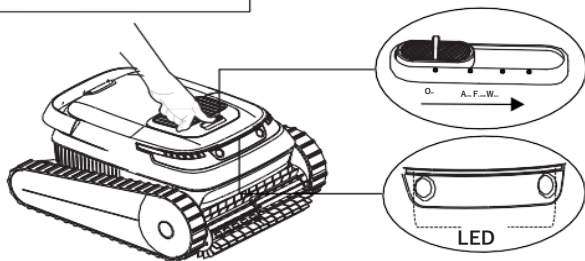
### Charging

- Please fully charge the robot before using it for the first time.
- Remove the robot from the mat and turn it off.
- Make sure that the charging port is dry.



## Power and status indicators

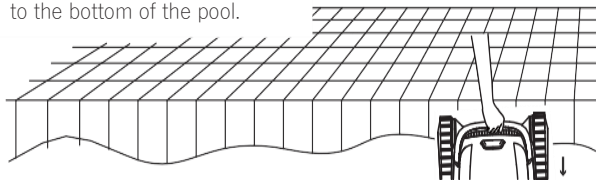
LED Color	Status
Green	Sufficient battery
Blue	Insufficient battery
Orange	Very low battery
Red	Fault



## Cleaning Modes (OFF AUTO FLOOR WALL)

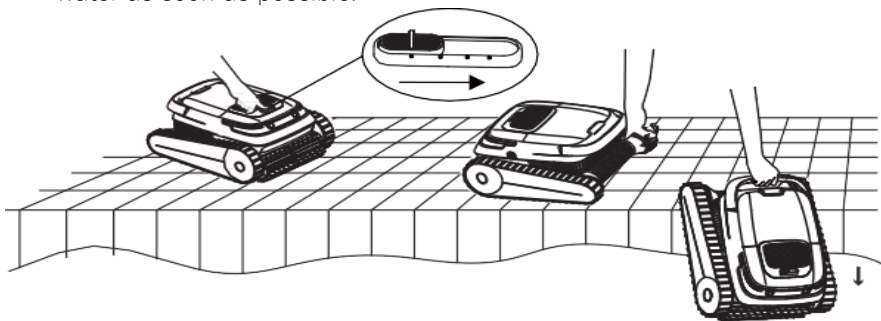
Cleaning Mode		Cleaning Area
Intelligent cleaning	A <sub>UTO</sub>	Clean the floor/wall/waterline
Floor cleaning	F <sub>LOOR</sub>	Clean only the floor
Wall cleaning	W <sub>ALL</sub>	Clean the wall and waterline

Slowly put the robot into the water. Then, the robot will release the air in the body and sink to the bottom of the pool.

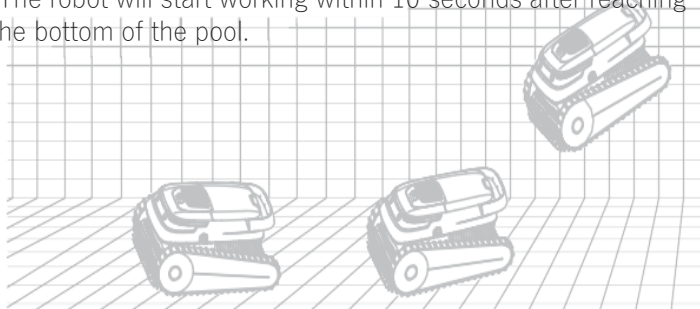


## Placing the robot into the water

Select the desired cleaning mode, and place the robot in the water as soon as possible.



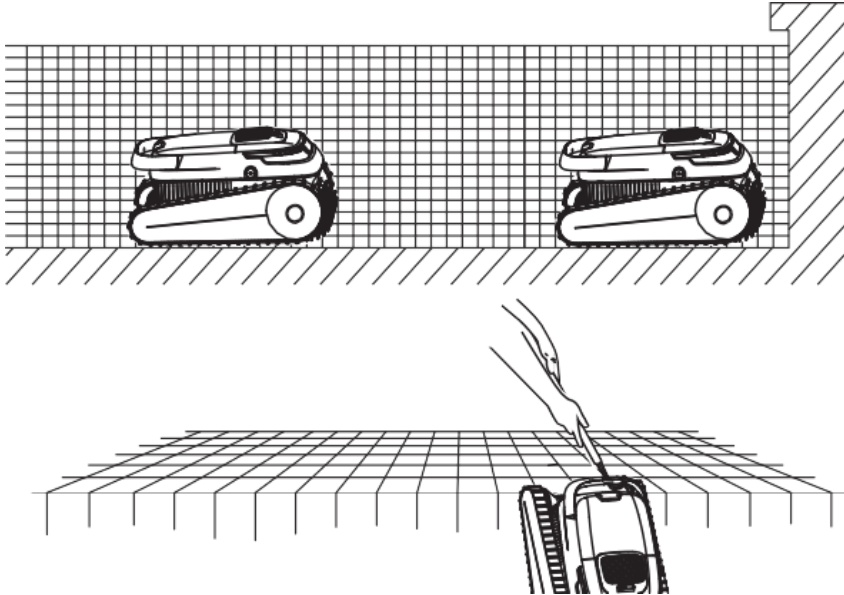
The robot will start working within 10 seconds after reaching the bottom of the pool.





### Taking out of the swimming pool

The robot will automatically stop at the bottom edge of the swimming pool after the cleaning task is completed or when the battery power is low.

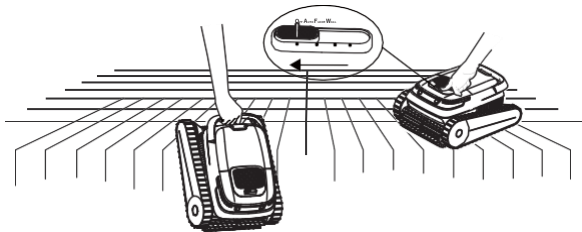


Use a hook to lift it out of the pool.

## 5. Daily Maintenance

For optimal product performance, follow these instructions to maintain the robot.

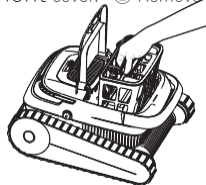
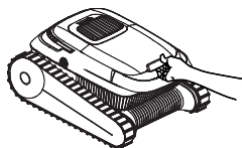
Remove the robot from the pool and turn it off.



### Cleaning the filter basket

We strongly advised cleaning the filter basket after each cleaning task.

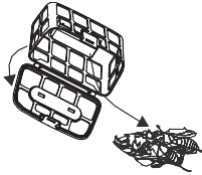
- ① Open the robot compartment cover.
- ② Remove the filter basket.



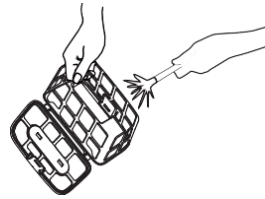
## After daily use

Clean the robot and filter basket after each cleaning.

Open the filter basket cover and remove the debris.



Rinse the filter basket.



**Note:** Please clean the filter basket in time. A clogged filter can affect the overall cleaning performance of the robot, making it difficult to generate suction or trap dirt and debris in the filter basket. If cleaning has no effect, the filter basket needs to be replaced.

- Keep the robot away from direct sunlight when not in use.
- Make sure that the charging port is dry before charging.

### **Every 3-4 months or after a deep cleaning cycle (when the pool is dirty)**

- Check to make sure that there is no debris in the roller brushes, tracks, and gears.

### **Every 12 months or when the robot is found to be working/rotating slowly**

- Check the tracks and roller brushes for wear. If they are worn, replace them.

## 6. Off-season Storage

If the robot will not be used for a long time, perform the following storage steps:

- Thoroughly clean and dry the filter basket, roller brushes, and tracks.
- Ensure that there is no residual water in the cleaner.
- Fully charge the robot before storage. Place it in a well-ventilated, cool place with a temperature between 5°C and 45°C (41°F and 113°F) and a humidity below 80% RH. Avoid direct sunlight, rain, or frost.
- The battery should be charged at least every 3 months to prevent over-discharge.
- Do not leave the robot within the reach of children or people with reduced physical, sensory, or mental capabilities or lack of experience and knowledge unless they have been given sufficient instruction.

## 7. Parts Replacement

### Roller brush replacement.

b

On the back of the roller brush belt, peel off the silicone buckles fixing the mounting grooves

Remove all the silicone buckles, replace the roller brush belt with a new one, align the silicone buckles with the mounting grooves, and press the buckles to fix them in the grooves.

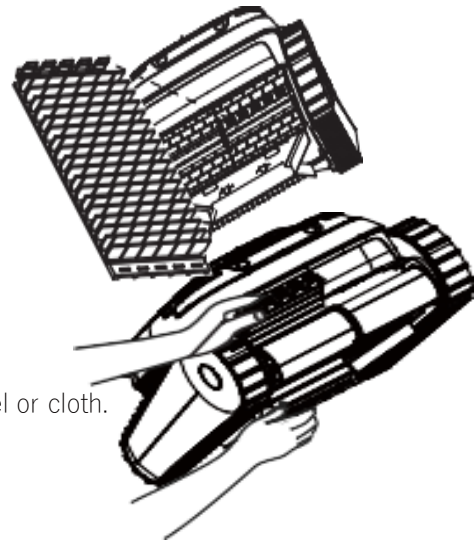
### Track replacement

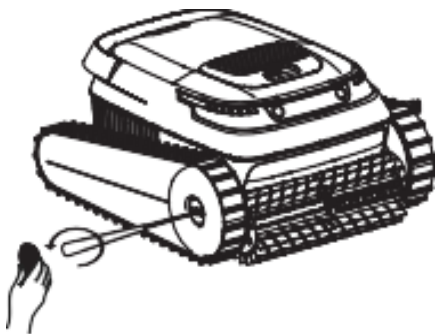
① Remove the side panels: Remove the two screw covers.

Using a Phillips screwdriver to unscrew the two screws holding the side panels and track panels in place. Remove the side panels and track panels and set them aside.

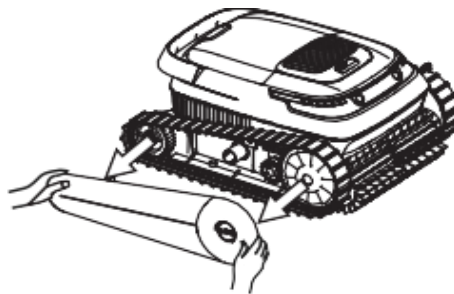
② Clean: Clean the inside of the side panels and dry them with a paper towel or cloth.

③ Replace: Replace the tracks as required.

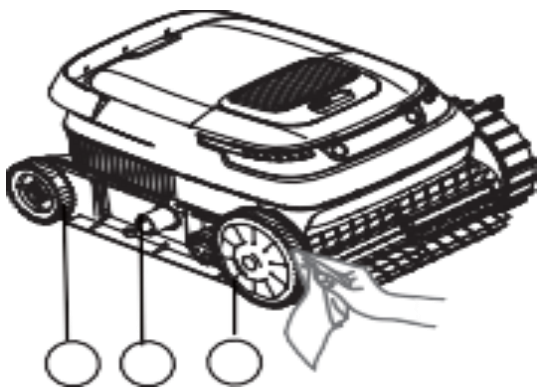




Remove the screw cover and unscrew the screws.



Remove the side



Clean the inside of the side panels

## 8.FAQs

<b>Issue</b>	<b>Possible Causes</b>	<b>Solutions</b>
The robot does not charge.	The power outlet has no power.	Check whether the power outlet is working.
	The power cord is not properly connected to the power outlet.	Check the connection between the power cord and the power outlet.
	The connection between the power adapter and robot is loose.	Check the connection between the robot and the adapter.
	The power adapter does not work.	Check whether the charging LED is displayed when the adapter is connected to the robot. If not, replace the charger.
	Water entered the charging port.	Dry the charging port and try charging again.
The robot does not work or the indicator does not turn on.	The robot does not have enough battery	Use the robot after fully charging it.
	The robot switch fails.	Try turning the robot off and on again

The robot does not climb walls.	Check whether the robot works in floor cleaning mode and cleans only the floor.	Switch to wall cleaning mode.
	The filter basket is clogged.	Clean the filter basket.
	There is algae on the wall and the pH value is not right.	Check the levels of chemicals in the water. Poor water quality can allow algae to grow, making walls slippery. In this case, adjust the water quality and scrub the walls.
	The tracks and/or roller brushes are worn.	Replace the tracks and/or roller brushes.
The robot moves in circles.	The filter basket is clogged.	Clean the filter basket.
	Debris gets stuck on the tracks or roller brushes.	Remove debris from tracks or roller brushes. See page 4 for parts replacement instructions.
The robot stops underwater and the fault indicator indicates that the motor or water pump is blocked.	Debris gets stuck on the tracks or roller brushes	If the motor is stuck, check whether the left/right track can be manually rotated. If not, check for obstructions on the track.
	Debris blocks the water pump motor impeller.	
If an issue persists after the suggested solutions are implemented, contact customer support for assistance		



## 9.0 Declaration of Conformity

**FCC compliance 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. 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult Robo-Tek for assistance [service@robo-tek.com.au](mailto:service@robo-tek.com.au)