

User Manual

ROBOTIC POOL CLEANER

PA-2021



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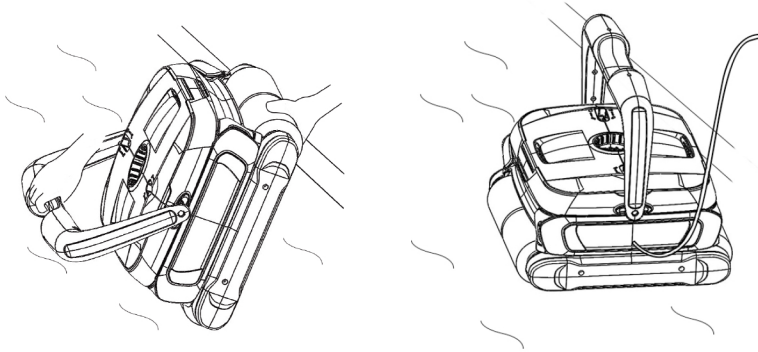
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Important Precautions

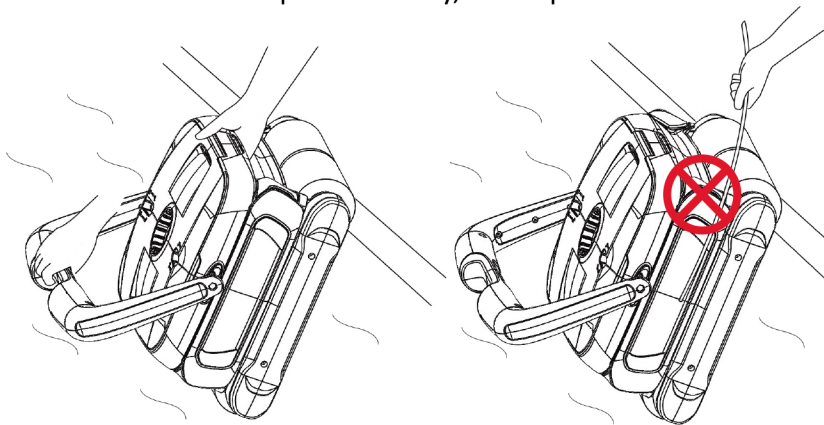
1. In order to avoid any accident/damage, it is strongly recommended to fix the power supply unit 3.5m away from the swimming pool by using the safety rope (included in the package).
2. In order to prevent severe damage to the cleaner, never power on the unit when it is outside of the swimming pool.
3. The power cord must be connected to an appropriate earthed socket.
4. Hold the top handle when putting the cleaner into water or lifting out of the water, do not pull the cable. Before power on, make sure to empty the trapped air inside the cleaner (no more air bubbles coming from the cleaner and the cleaner is fully submersed on the pool bottom).
5. Before power on, make sure the filter be assembled in position and cable be fully released to avoid any winding, which could affect the cleaner's performance or cause damage.
6. Please clean and wash the filter bag every time after use.
7. The cleaner should be stored in a cool and ventilated place, away from direct sunlight when not in use.
8. The power supply unit should be placed in a shaded area during working. To avoid overheating and potential damage of components, never cover the power supply unit.
9. Only authorized after-sales service personnel should open the cleaner's power supply unit and motor assembly, otherwise the warranty will be invalidated.
10. Do not use the cleaner beyond the working environment/conditions stated in this manual.
11. Make sure the PH of pool water is between 7.0-7.2.
12. This machine is to clean the pool only not for other purposes. Read carefully the user manual before use.

Attention

When put the cleaner into the water please hold the top handle make sure to empty the trapped air inside, then the cleaner can immerse into the pool floor.



When pulling the cleaner out of the water, suspend the cleaner above water for about 10-15 seconds to empty the water inside. Please hold the top handle only, never pull the cable.



Introduction

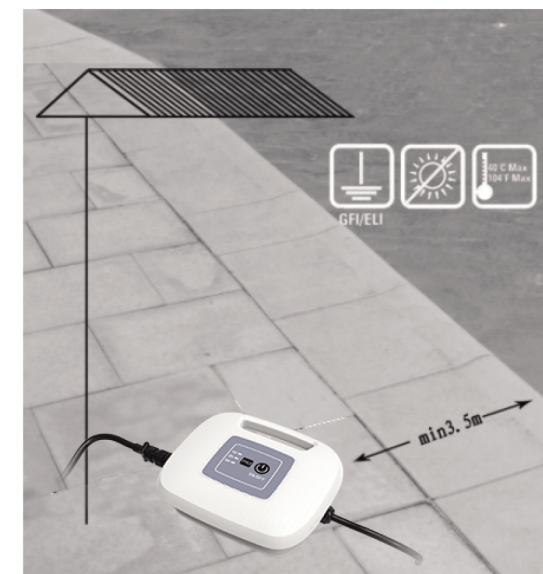
The robotic pool cleaner AS-2021 is a new type of highly efficient and energy-saving swimming pool cleaning robot. Through its advanced computer-controlled program, it can clean the pool walls and bottom automatically. At the same time, it filters the pool water and gets rid of suspended particles without replacing the pool water. It's totally environmental-friendly.

For safe operation, the cleaner works on 28V direct current. Please read this user manual carefully before use.

Safety

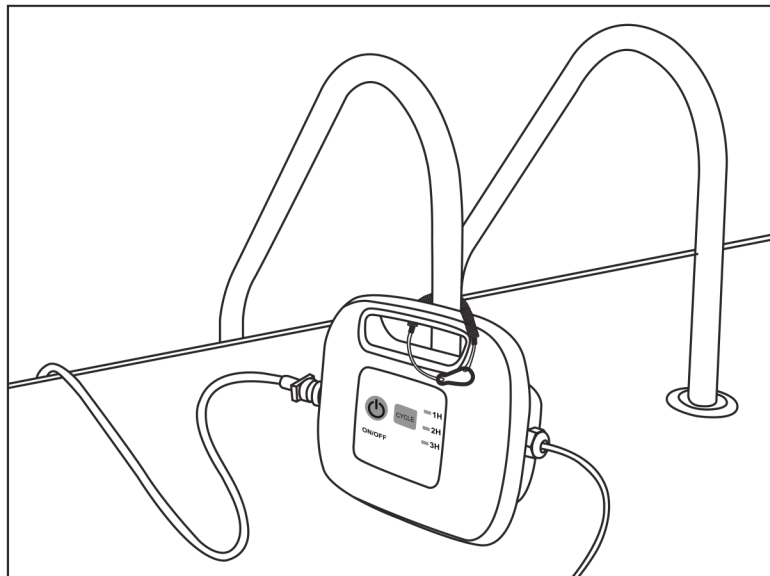
1. Power supply unit position:

The power supply unit needs to be placed in a proper position to reach the distal end of the pool for the cleaner, meanwhile at least 3.5m from pool edge.



2. Free Safety Rope Comes with Machine

Please use the safety rope to fix the power supply unit, which can avoid the power supply unit drop off your pool.

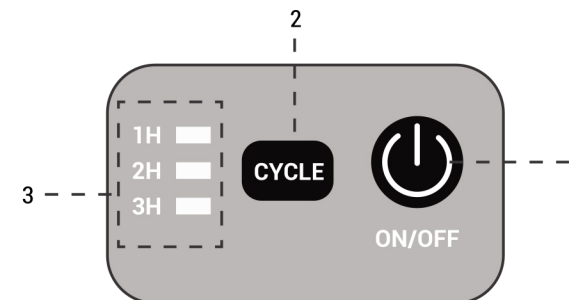


Specifications

Rated input voltage	110V AC (120V AC)
Frequency	60Hz
Output voltage	DC 28V
Power	150W
Cleaning cycle	1/2/3h
Filtering capacity	Appr. 3963gal/h (15 M3/h)
Filter density	180microns
Moving speed	Appr.33ft/min (10m/min)
IP grade	Cleaner: IPX8; Power supply unit: IPX5
Max. water deepness	8.2ft (2.5m)
Working environmental temperature	50°F - 95°F (10-35℃)

Operation Instructions

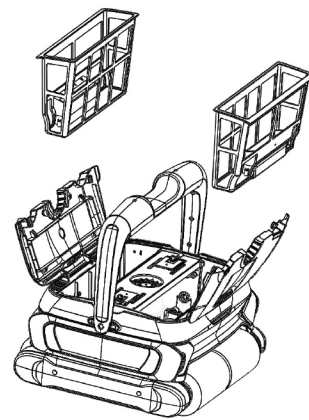
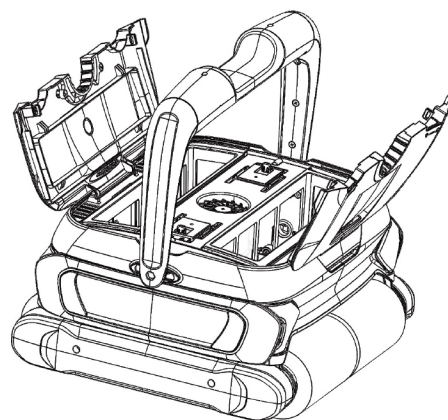
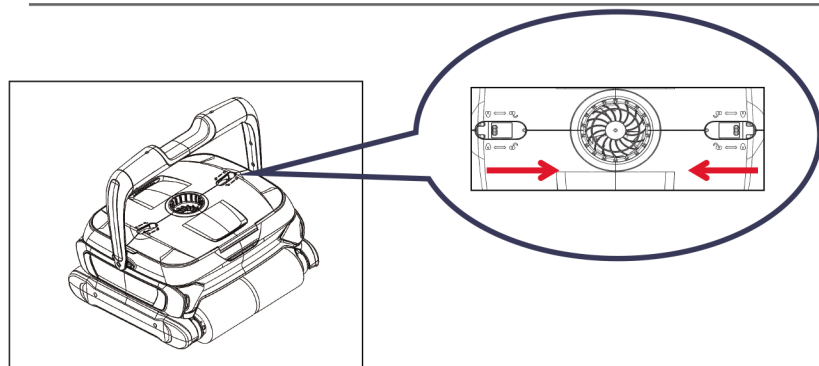
● Panel



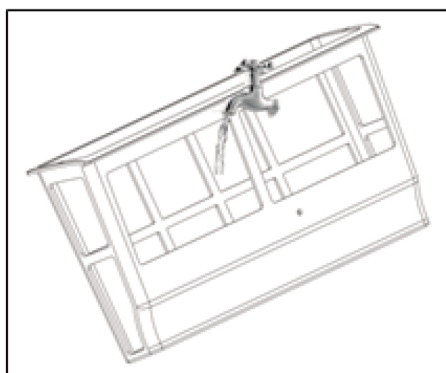
No.	Indicator	Description		Function	
1	ON/ OFF	Power on/ off		Press this button, the cleaner starts to work; Press a second time, the cleaner is off.	
2	CYCLE	To choose working cycle		When the cleaner is on, use this button to choose preferred working time.	
3	Indicator	Indicator	1H flashes	Working time of 1 hour	
			2H flashes	Working time of 2 hours	
			3H flashes	Working time of 3 hours	
			1H, 2H and 3H flash together	Working cycle finishes	
	Indicator	Fault	Fault Code	Meaning	Suggestions
			1H and 3H flash with warning sound	Power supply overload	Stop the cleaner, check if anything is blocked in impeller or in transmission system

● Filter Cleaning

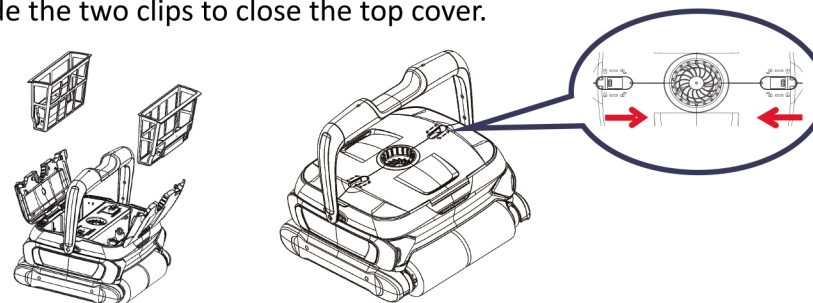
- Slide the two clips according to the indications on the top cover to open it and take out the filters.



2. Clean the filters.



Re-install the filters, pay attention to the good position and slide the two clips to close the top cover.

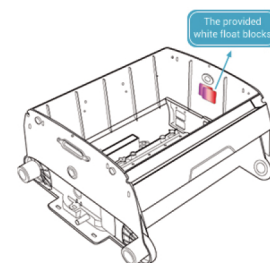


3 . Foam Installation

Attention: If your robot is in good performance, please ignore this instruction.

The following illustration is limited to the use of white foam blocks to increase coverage when the cleaning machine cannot completely clean and cover the pool table(Figure 3)

Stick two foams on the reverse surface of top cover (see below picture), make sure the two foams are in the middle part of top cover.



(3)



(4)

4 . Roller-Foam

In order to ensure the performance of the machine for the first time use, it is normal and all right if the two rollers of the machine are wet at your receipt of the robot. And it is recommended that before each use, if the rollers are dry, please immerse the machine into water for 15-20 minutes and wait for the rollers to fully absorb water, then switch on. (Figure 4)

Packing list

Item	Name	Model	Quantity (pc)	Note
Cleaner	Cleaner	AS-2021	1	In Carton
	Power supply unit	AS-2021	1	In Carton
	Manual and safety rope	AS-2021	1	In Carton

Trouble Shooting

Remark: The pool water conditon must be within the following parameters:

- PH: 7.0 – 7.4
- Salt: Max 5,000 ppm
- Temperature: 10°C(50°F) to 35°C(95°F)
- Chlorine: Max 2 ppm

Symptom	Possible reason	Corrective action
Cable twists or coils up	Cable not fully released	Unplug power line and release cable
	Obstruction in pool	Remove obstruction in pool
	Stuck on main drain outlet of the pool	Turn off pool filter system
	Long time working	Release manually
Robot does not reach all pool area	Power supply unit improperly positioned	Place power supply in proper position so that cleaner can reach all area
	Algae in pool floor	Before using Optimus at the beginning of the season you should brush any algae from the floor and walls of the pool
	Customized pool shape	Ideal pool shape for Optimus is ROUND/ OVAL/RECTANGLE/KIDNEY SHAPE, please put the robot onto the position that need specific cleaning
	Pool filter system and pump open	Turn off pool filter system
	Cable not long enough in pool	Release cable
Robot does not climb wall	Filter basket need to clean	Clean the filter basket
	Rollers are worn or consumed too much	Replace new roller

Robot does not work	Power cord not connected well	Plug power cord and cable line
	Damaged during transportation	Contact customer service
	Cleaner does not match local rated voltage	Contact customer service
	Been blocked	Check the impeller or driving system
The robot does not go to the bottom of the pool	Electric fault	Contact customer service
	1. Did not get the air out of the machine 2. The brushes are not totally soaked.	1. Soak the machine into the water until it is totally soaked for the first time use, you can knead the sponge brushes to accelearte the softening and soaking. 2. When the sponge brushes is soft, drop the machine into the pool correctly.
It just sits at the bottom of the pool and won't move after several passes	1. Check if the LED on power supply flashes, if yes, it may because it scheduled for 1 hour and has completed cleaning. (The default time is 1 hour). 2. There is a blockage in the filter basket. 3. The belt is broken. 4. If the belt is fine, there may be something wrong with the motor, in this case contact with our customer service for help.	1. Reset the cleaning time by 1 hour, 2 hours or 3 hours. 2. Clean up the filter basket and restart the machine. 3. Replace belts. (Tips: Please don't use the cleaner immediately after spraying pool chemical, or it will cause belts broken easily.)
It seems to spend all it's time in the deep area without visiting the shallow area	The pool is not standard round , oval of rectangel, but rather free formed.	Paste the floating block(included in the package) on the shell surface to increase the clean coverage. 
	Can I use the cleaner instantly after put the chemicals in my pool?	No, you can't. Do not use the cleaner immediately after spraying the pool chemicals and do not use the cleaner as a dosing machine, which will damage and corrode the belts easily. If the belt is broken, please contact with our customer service for help and we will help you solve this issue perfectly.

⚠Caution:

"Working environment and application requirements

1. Pool temperature: 10°C-35°C (50°F~95°F)
2. Max. pool depth: 3m
3. Pool type & materials: suitable for all pool types & materials
4. Do not use the cleaner immediately after spraying the pool chemicals and do not use the cleaner as a dosing machine, which will damage and corrode the belts.
5. Do not power on the cleaner when it is out of water.
6. Do not operate the cleaner when there are people in the pool.
7. The adapter or power supply should be connected to a leakage-protected and earthed socket.
8. Fix the power supply at least 3.5m away from the pool edge and connect it with a fixed holder by the safety rope.
9. The power connector must be plugged in tightly.
10. Avoid the collision and drop of the power supply and cleaner.
11. Do not cover the power supply during working.
12. Always clean and wash the filter tray after use.
13. Take the cleaner out of the swimming pool after use. If the cleaner is immersed in the water for a long time, there will be microorganisms produced.
14. The cable should be untwisted and wrapped properly after use.
15. The cleaner should be placed in a shaded area, away from sunshine and heat during use, charging (for battery model) or storage.
16. Use the original adapter only for Control box kit

Warranty

1. This product is covered by Ausono warranty for 24 months (only for driving kit and control box kit) from the date of purchase. Consumable parts are beyond of warranty which includes : Belt / Filter basket / Roller / Side cover

2. This warranty is void if the product has been altered, misused, or has been repaired by unauthorized personnel

Email: walmart_sc@gadgetwoo.com

Free Call:(US)(877)-756-8666

Service Time: Mon.- Fri.: 9:00-17:00PST

The following are excluded from Ausono warranty cover:

1. Device purchased as 2nd hand, used, or from unauthorized
2. Damage resulted from misused and abusive action.
3. Damage resulted from chemical, fire, radioactive substance, poison, or liquid.
4. Damage resulted from natural disaster.
5. Damage caused to any 3rd party, person, object, and be we can only provide after sale services for products that are sold by Ausono, if you have purchased your unit from a different place, please for return and warranty issues.

