

CaliMar® CaliNav360 Robotic Pool Cleaner (CMARNAV360-5Y)



OPERATION MANUAL

**READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS**

Important Safety Instructions

Warnings

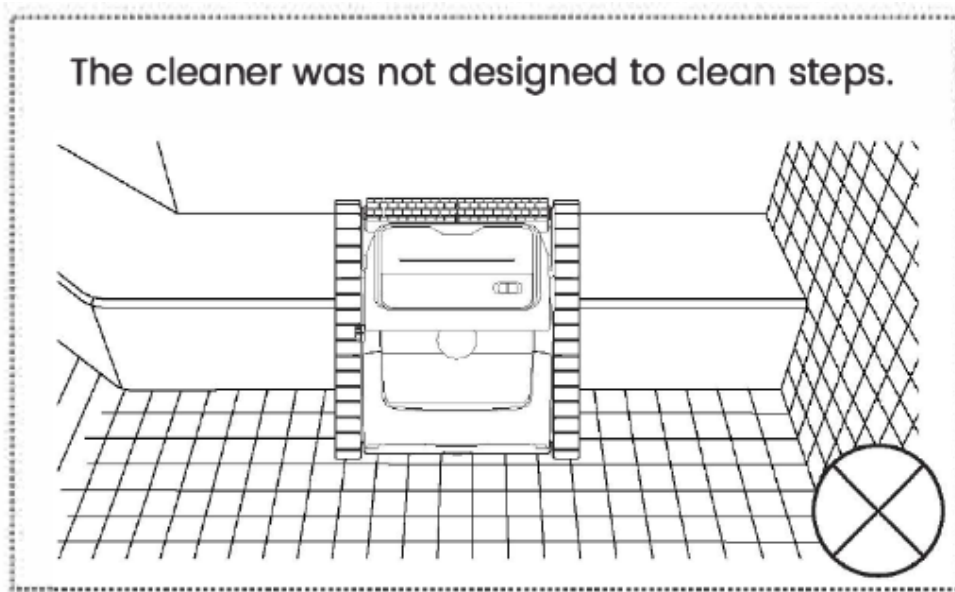
- Use the original charging adaptor only. Do not use an extension cable in any case. Keep a safe distance from combustibles when charging.
- Do not charge or use the cleaner when any anomaly is noticed. Please contact customer support.
- Do not operate the cleaner when people or animals are in the pool.
- This cleaner 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 cleaner by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the cleaner.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Dispose of all packaging materials properly. Keep away from children and pets.
- This cleaner contains batteries that are non-replaceable. When the battery life ends, the cleaner shall be properly disposed of.
- The battery must be removed from the cleaner before recycling or disposal. The cleaner must be disconnected from the supply mains when removing the battery.
- Please dispose or recycle used batteries according to local administrative regulations. Consult a professional recycling agency when necessary.

Cautions

Use the cleaner in the following water conditions only:

- **Chlorine: Max 4 ppm**
- **PH: 7.0 - 8.8**
- **NaCl: Max 5000 ppm**
- **Temperature: 6 - 35°C (43 - 95°F)**
- **Minimum depth: 0.5m/1.64ft. Maximum depth: 3m/9.84ft**

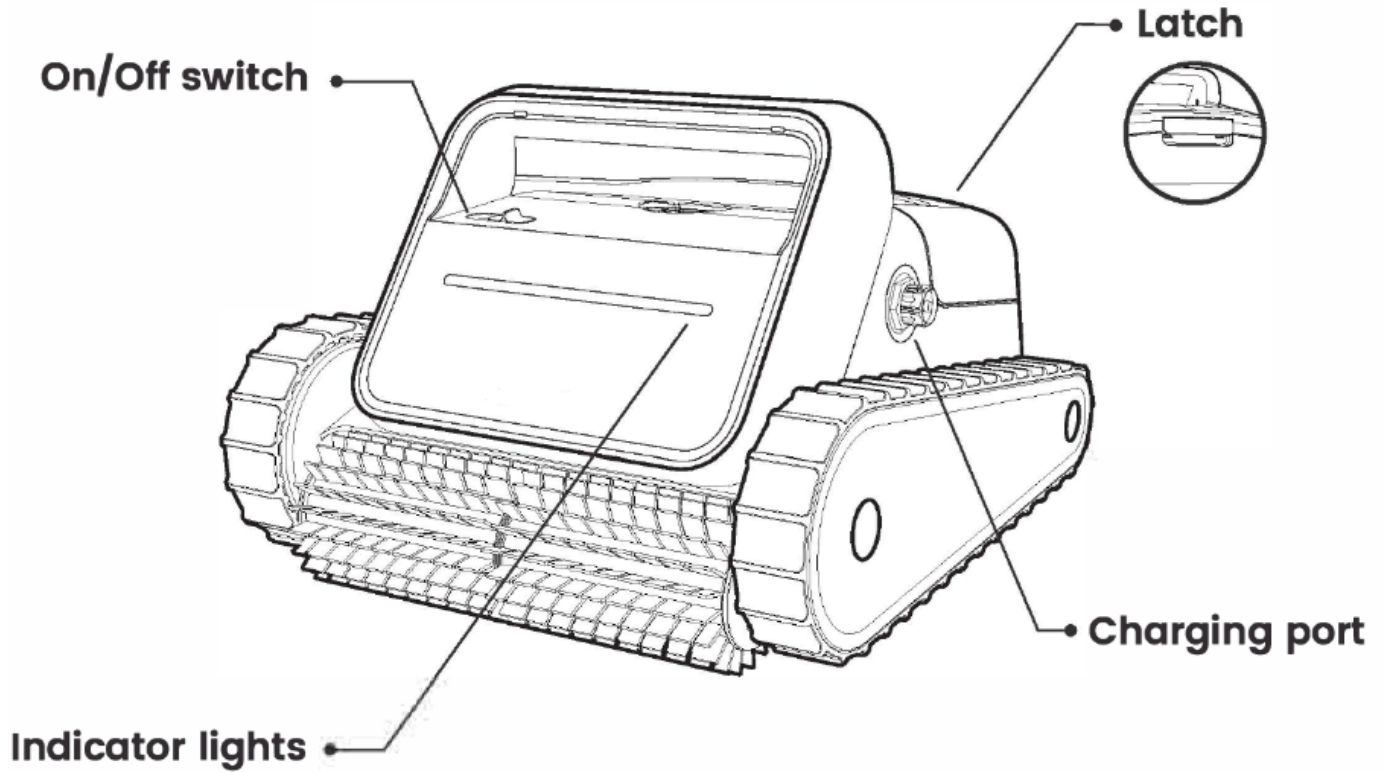
- Do not operate the cleaner while the pool filter is running.
- Sun shelves or steps less than 50cm/19.69in below water surface may cause the cleaner to get stuck.
- Cleaner climbs slopes $< 25^\circ$. If there is a steep slope of more than 25° from the deep end of the pool to the shallow end, the cleaner may not be able to leave the deep end.



Product Overview

Packing List

- CaliNav® robotic pool cleaner
- Charging adaptor
- Hook
- User manual



Specifications

Motor IP rating: IP 68

Minimum depth: 0.5m/1.64ft

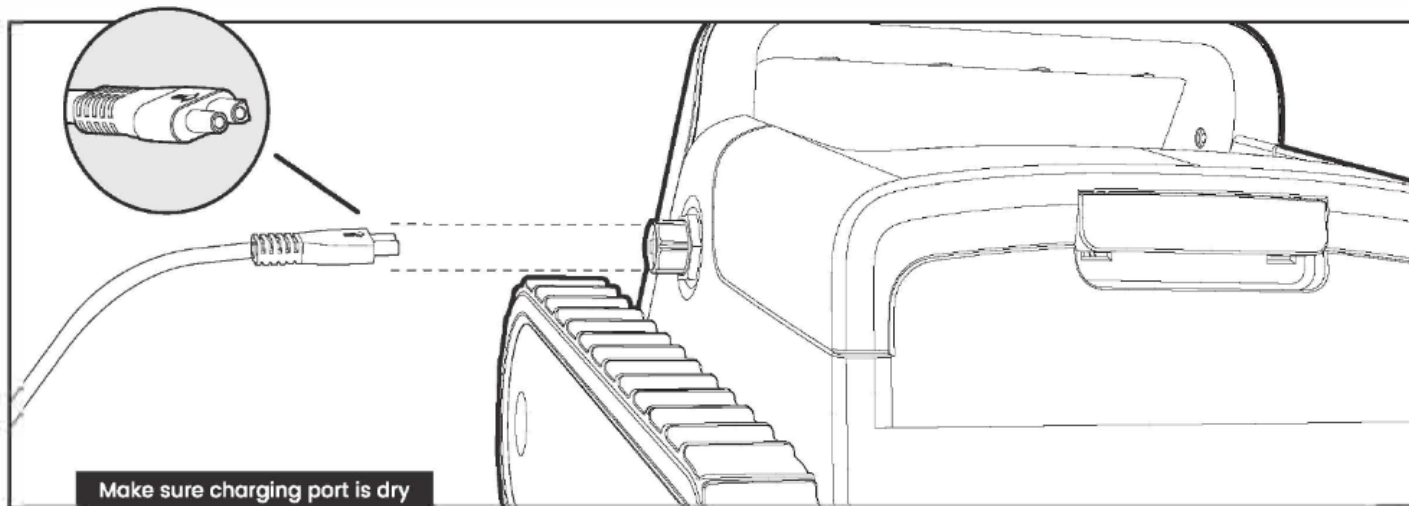
Maximum depth: 3m/9.84ft

Charging Adopter:

- Input: 100-240VAC 50/60Hz 2.0A MAX
- Output: 25.2V = 3.0A 75.6W

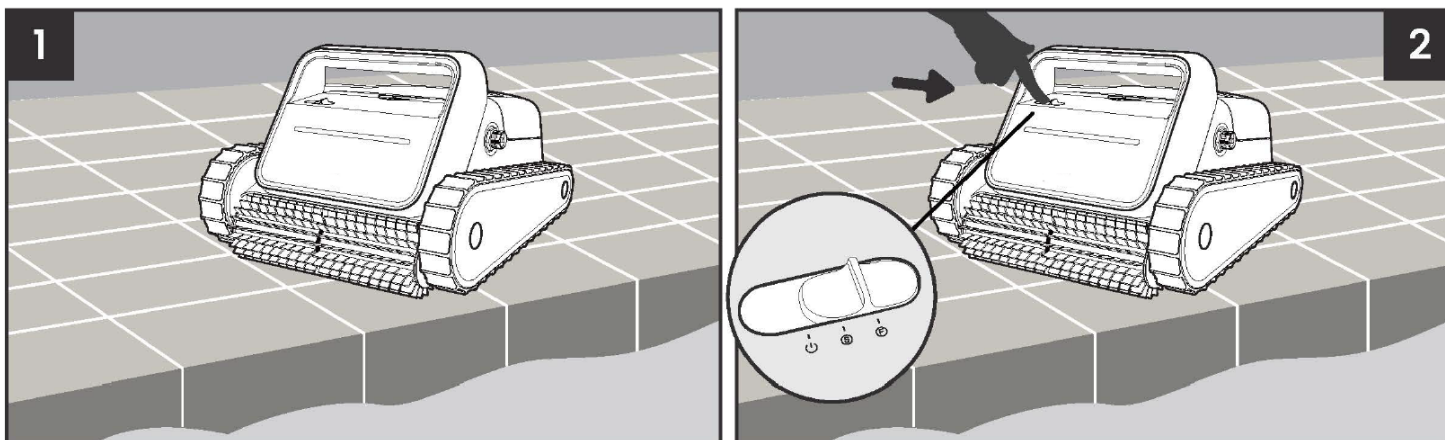
Operation

Charging your cleaner

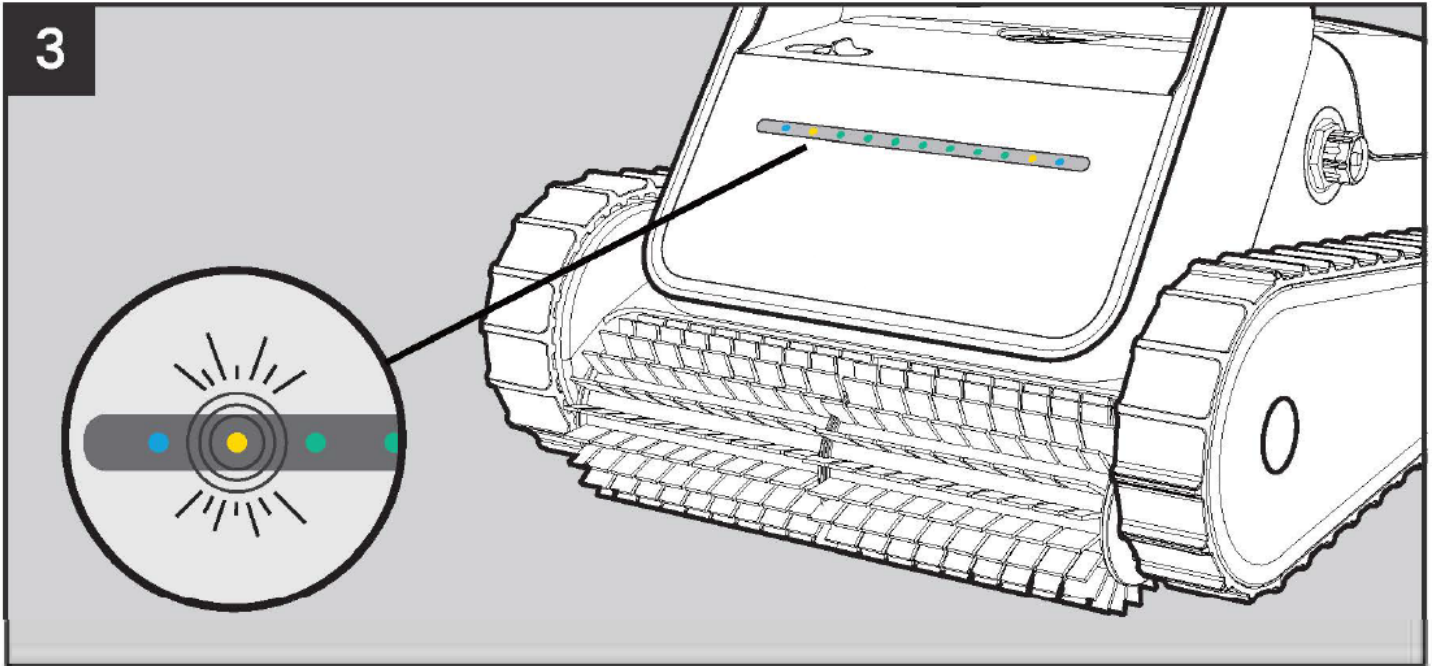


Turning on your cleaner

1. Keep it still on level ground.
 2. Select cleaning mode.
- Standard Cleaning Mode: If you haven't cleaned your pool in a long time, or your pool is very dirty and you want to clean all pool surfaces, use Standard Cleaning Mode.
 - Floor Only Mode: If you clean your pool on a regular basis and only want to clean floor, use Floor Only Mode for daily cleaning.

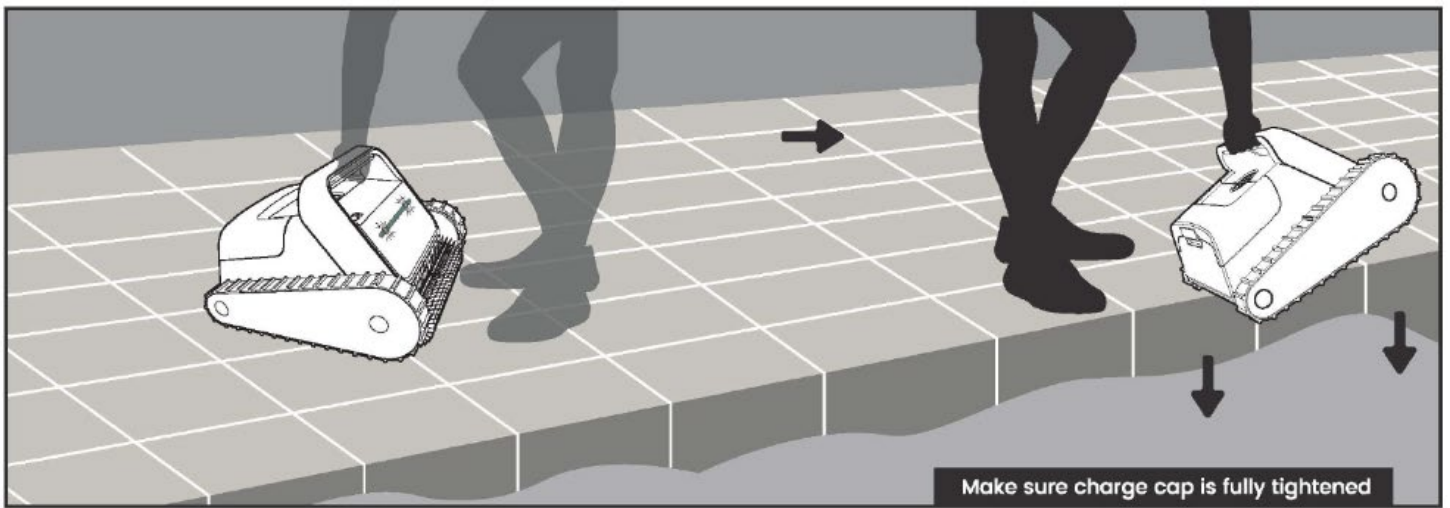


3. Don't move the cleaner before the indicator flashes yellow.

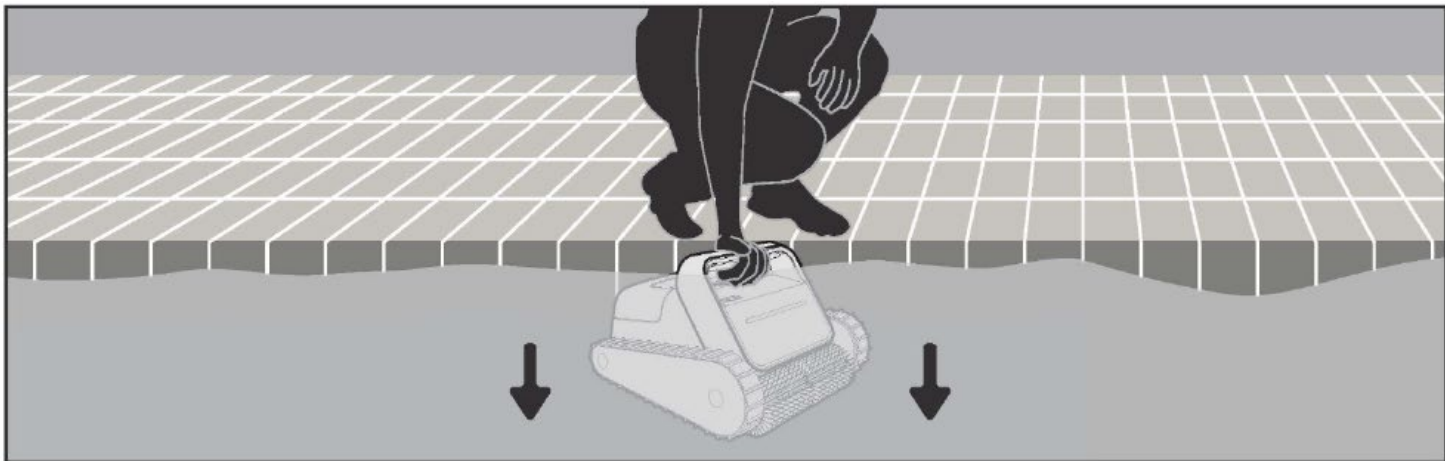


Putting your cleaner into the pool

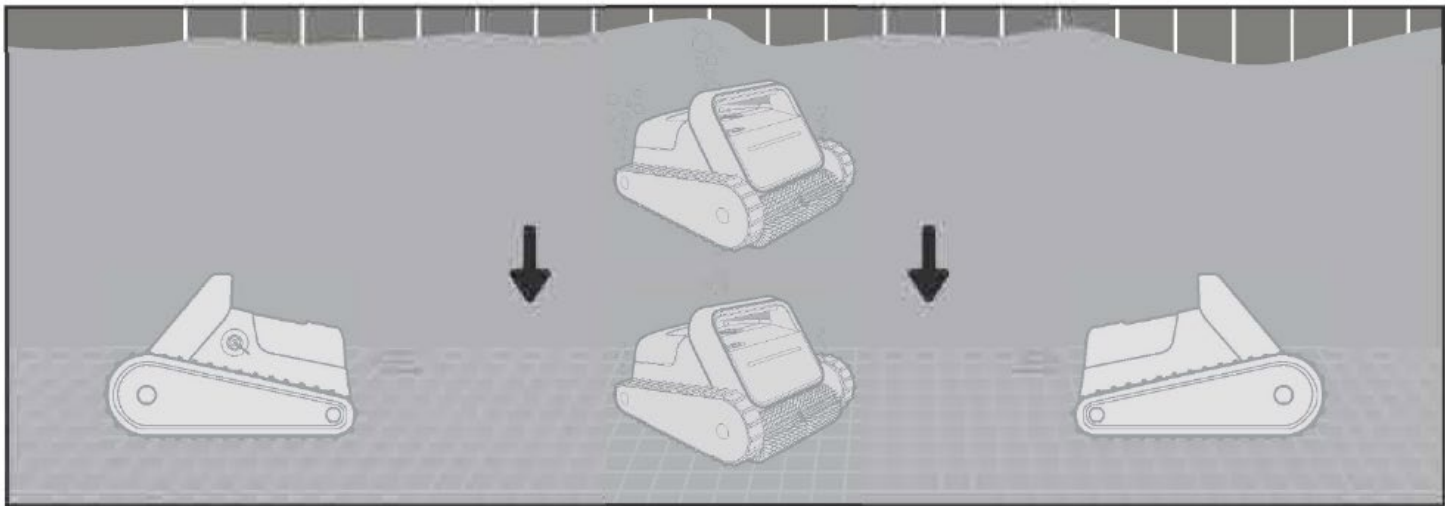
1. Submerge the cleaner in the pool as soon as the indicator starts flashing yellow.



2. Hold the cleaner in water for a few seconds as it releases air trapped in it. Keep the cleaner steady and do not tilt.

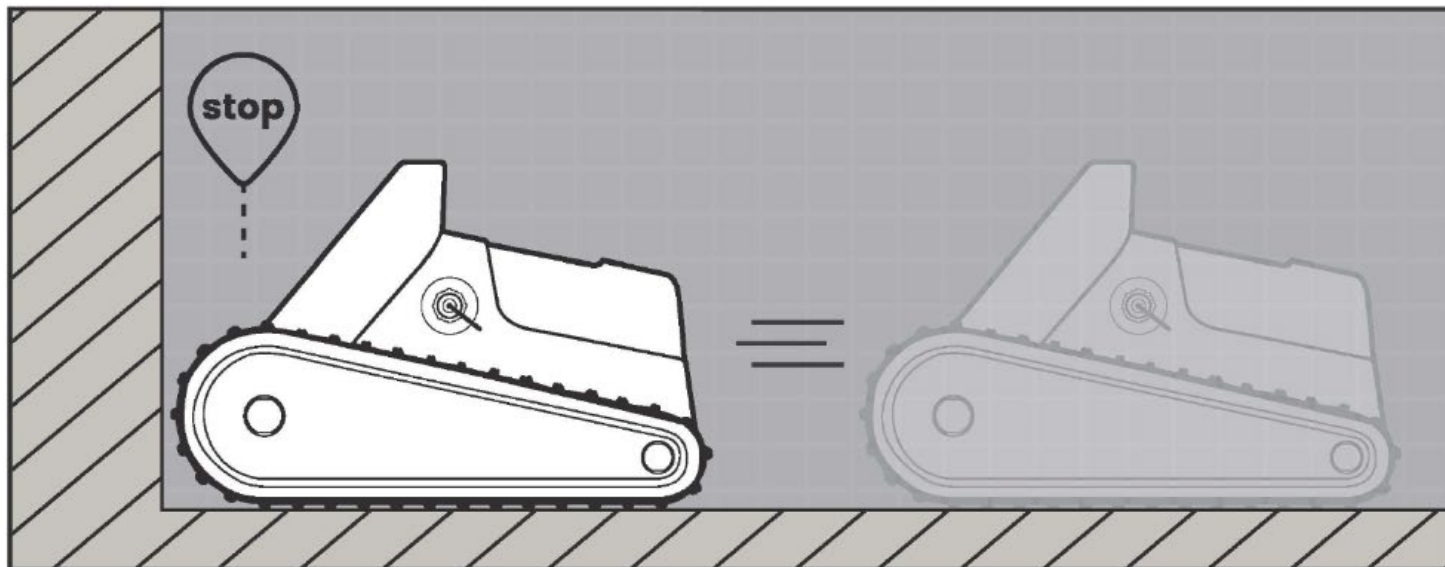


3. Release the cleaner. It takes about 1-2 minutes to complete the self-test and start the cycle.

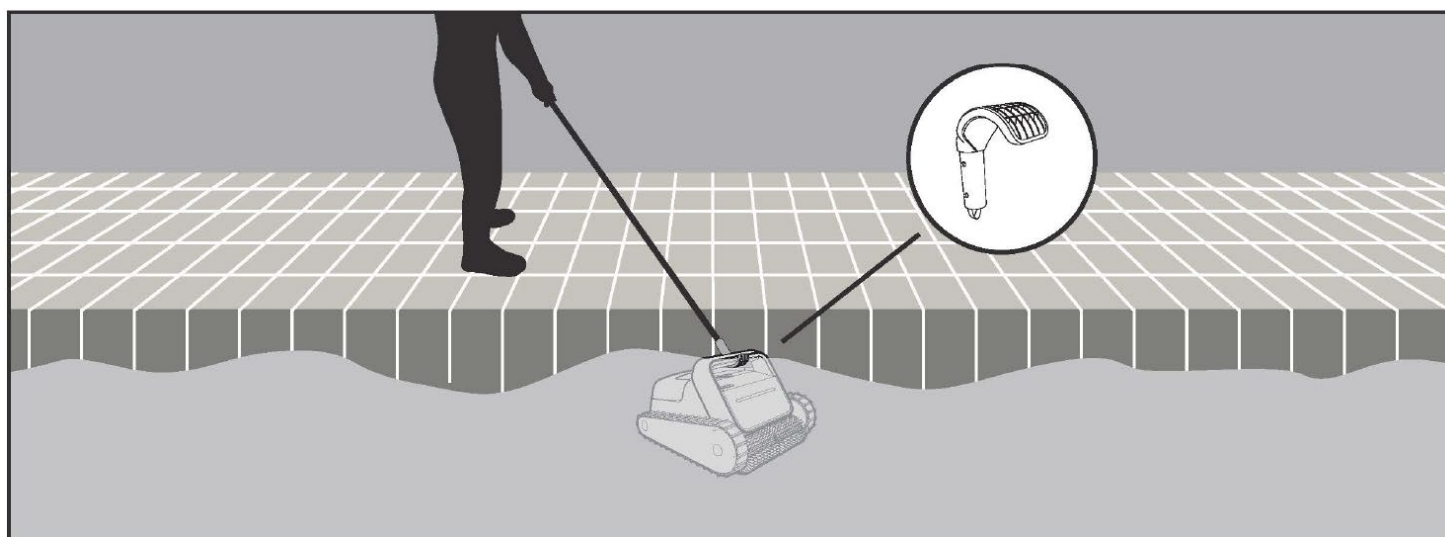


Taking your cleaner out of the pool

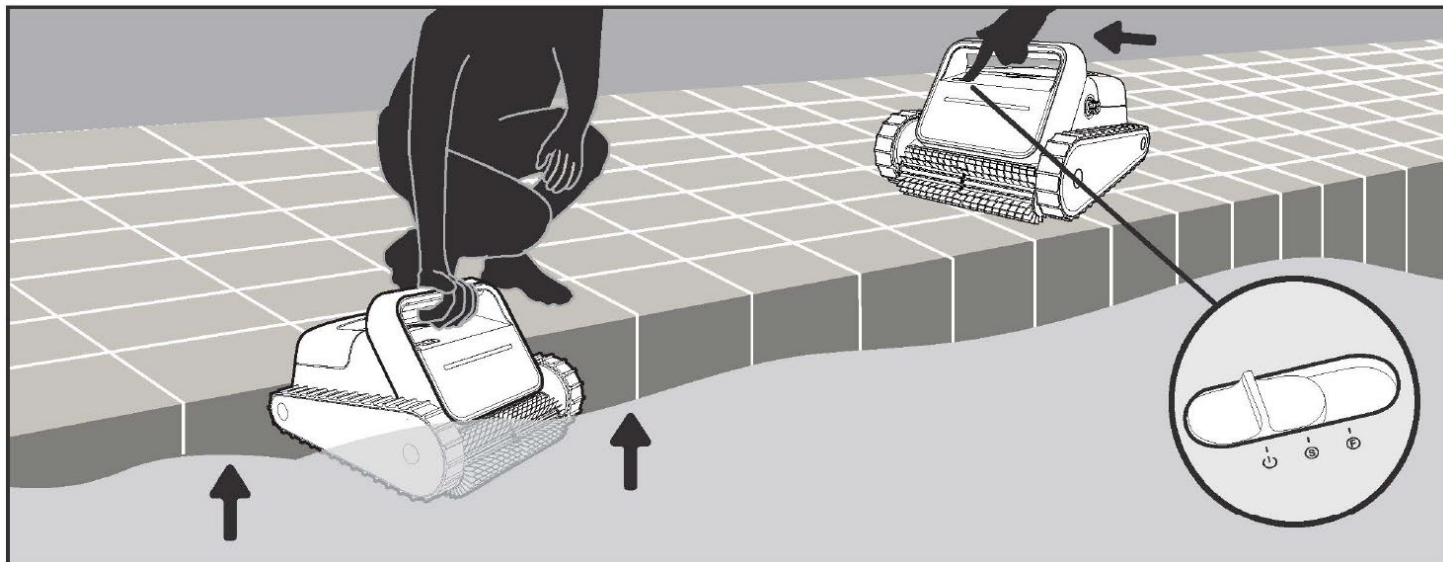
1. Cleaner will automatically stop at the pool edge.



2. Pick up the cleaner with the hook.



3. Turn the cleaner off.



Maintenance

Care Instructions

For the best product performance, please clean and maintain your cleaner according to the following instructions.

After daily use:

- Clean the robotic cleaner and the filter basket after each cleaning cycle.
- Keep the cleaner away from strong and direct sunlight.
- Make sure the charging port is dry before charging.

Every 3-4 months or after a deep cleaning cycle when the pool is considered dirty:

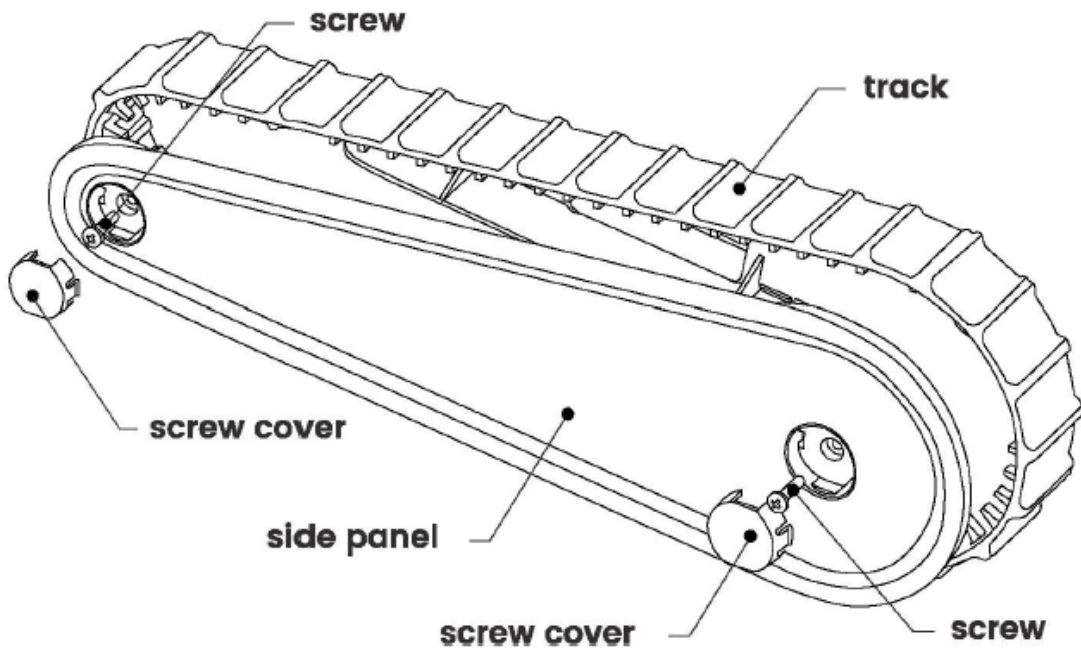
- Check and make sure no debris is stuck in the impeller, track treads, or cogs.
- Clean according to the instructions below.

Every 12 months or before off-season storage:

- Check track treads and brush rollers for wear.
- Clean according to the instructions below.

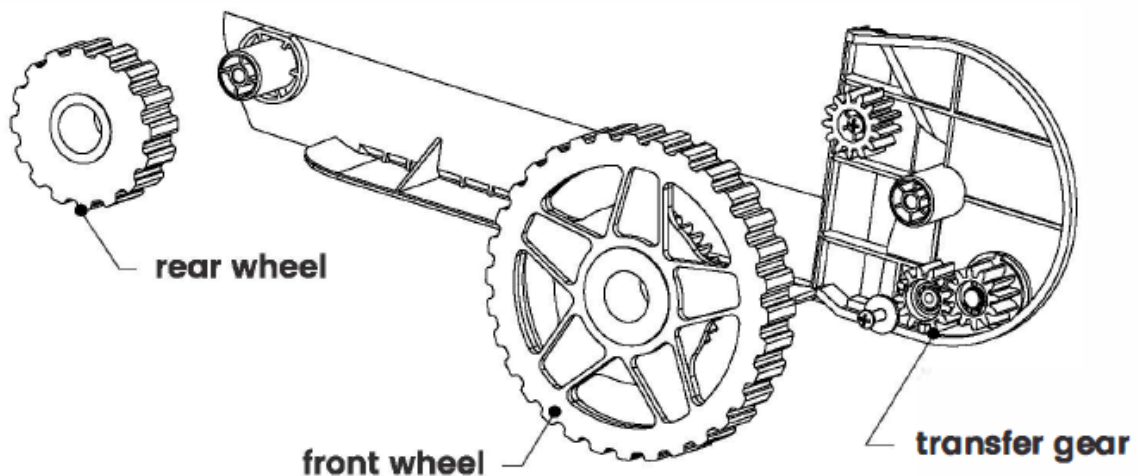
1. Take off the side panel:

Remove the two screw covers. Using a Phillips-head screwdriver, remove the two screws that hold the side panel and track tread in place. Take off the side panel and the track tread and place them to the side.

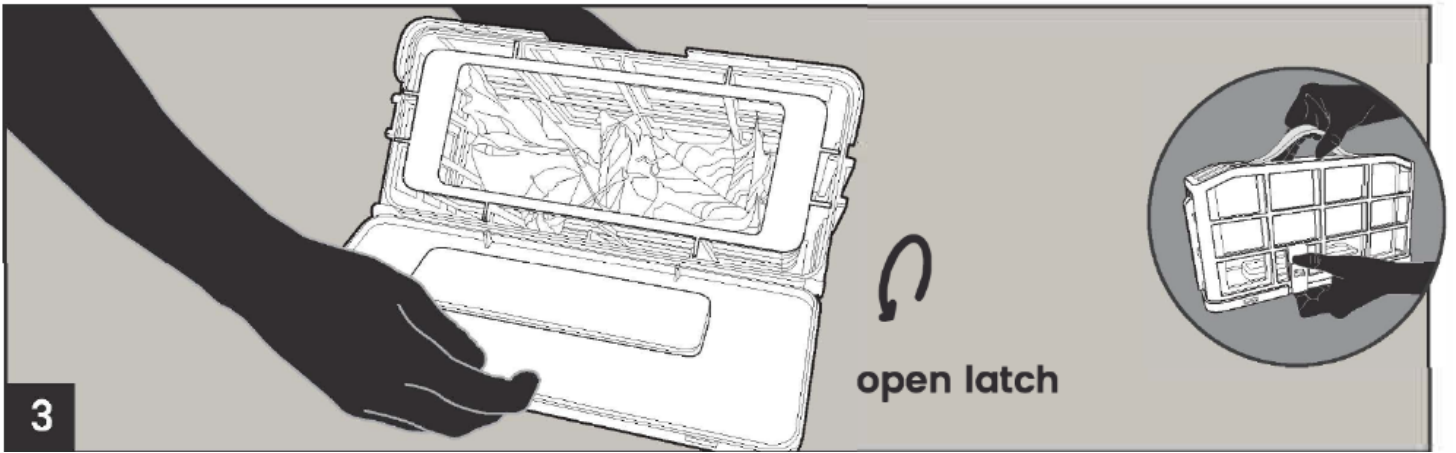
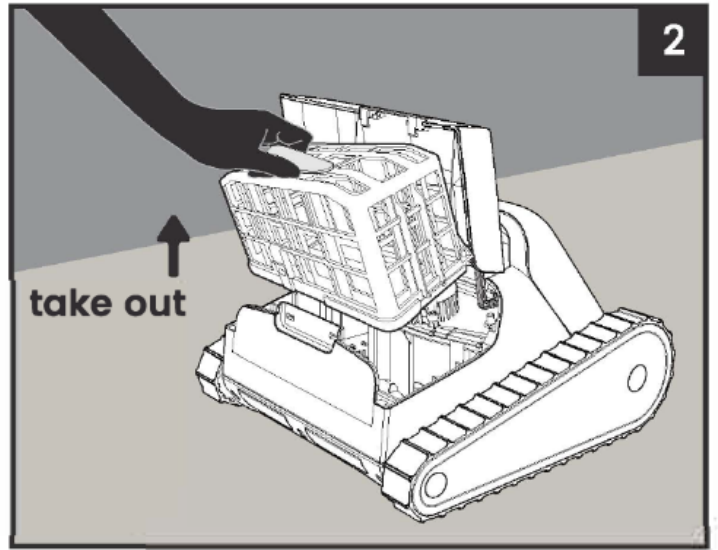
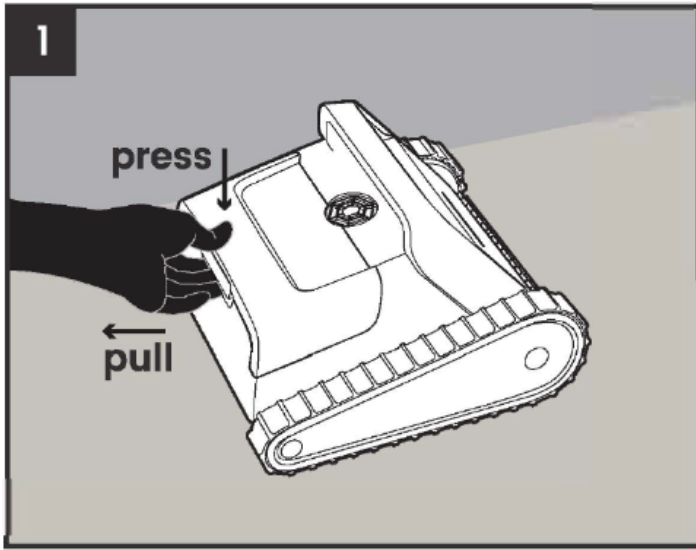


2. Clean:

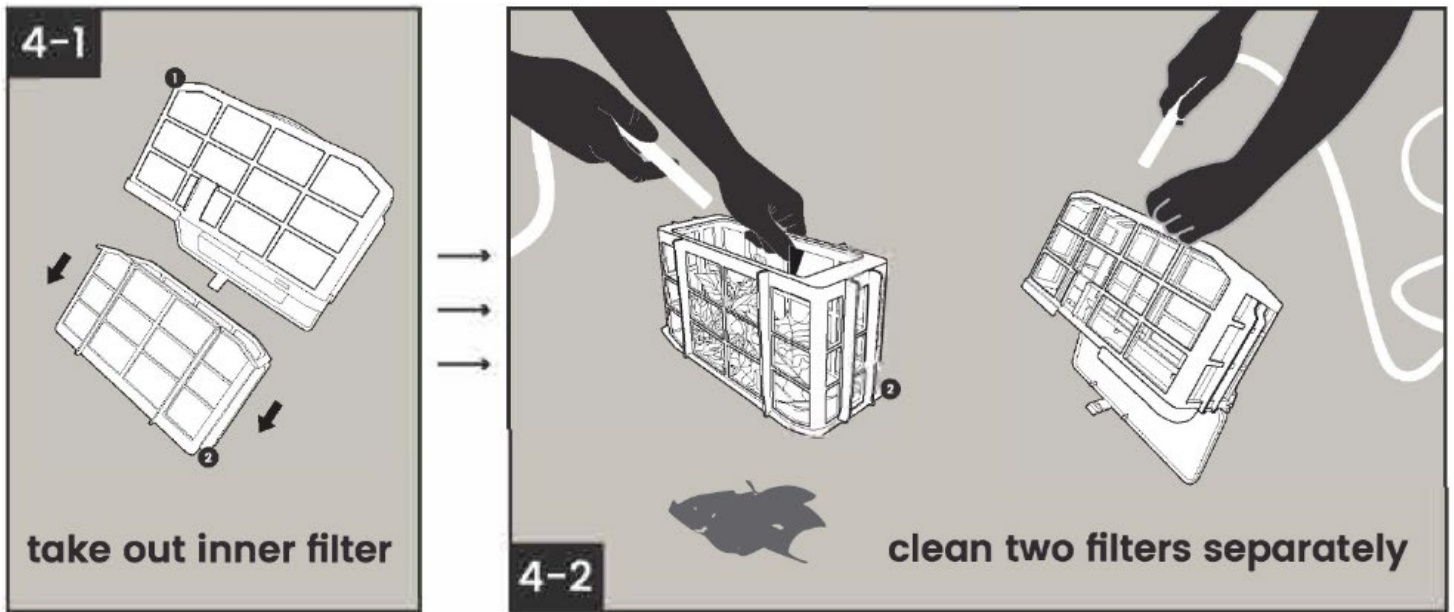
Clean the surfaces of the side panel. Take off the front wheel, the rear wheel, and the transfer gear. Clean the ports with water or cloth and dry them.



Filter Cleaning



It is highly recommended to clean the filter basket after each cleaning cycle.



Note: Do not let the filter basket dry out before cleaning. Clogged filters will affect the overall cleaning performance of your cleaner by making it difficult to create suction or keep dirt and debris in the filter basket. Replace the filter basket when the cleaning results are not satisfying and cleaning the filter does not make a difference.

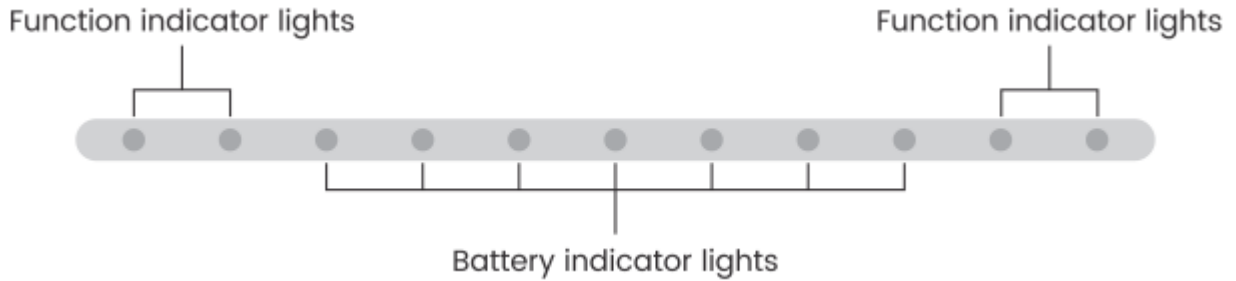
Off-Season Storage

If the cleaner will not be in use for an extended period of time, perform the following storage steps:

- Thoroughly clean and dry the filter basket, brush rollers, track treads and cogs.
- Make sure that no water is left in the cleaner.
- The cleaner must be fully charged before storing. It should be placed in a well-ventilated and shaded location, at a temperature between 41°-113°F and humidity lower than 80%RH.
- Charge the battery at least once every three months to protect it from over discharging.
- Keep the cleaner out of the reach of children or persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

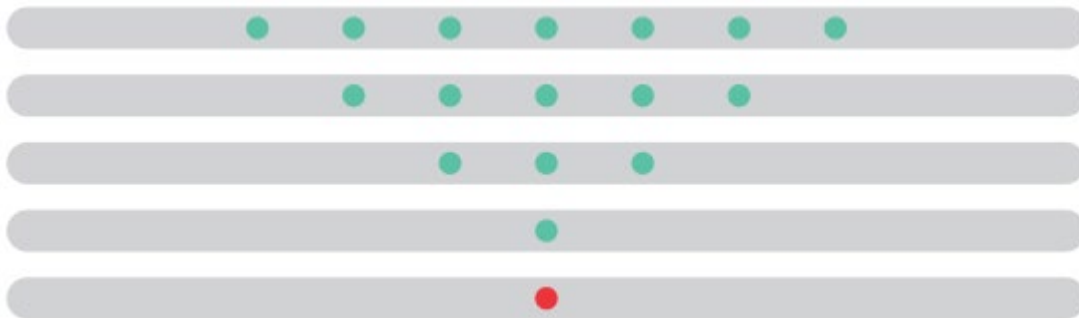
Indicator Lights

Schematic diagram of the indicator lights.



Battery indicator lights in a cleaning cycle.

During the working process, the number of green lights gradually decreases. When there is only one red light left, it is in low power mode. The cleaner needs charging.



White function indicator lights in a cleaning cycle.

Advance/Reverse: Four lights.



Turn left: Two left lights flash.



Turn right: Two right lights flash.

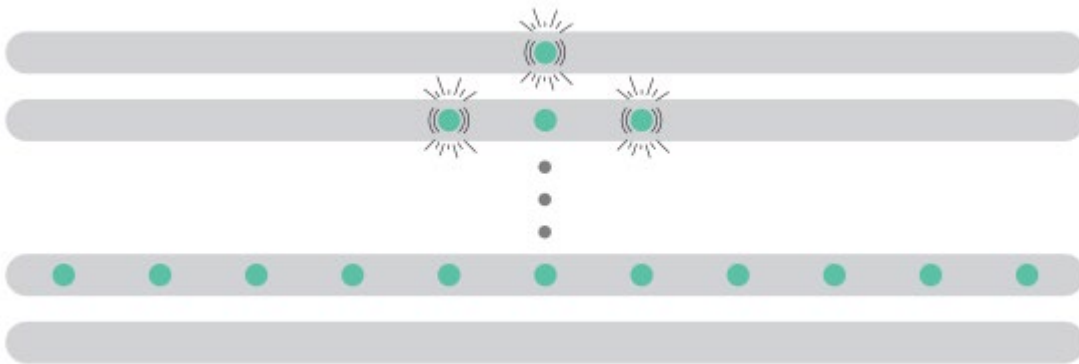


Stop: Four lights off.



Battery indicator lights when charging.

When charging, the number of green lights will increase from one to 11, and the outermost two lights will flash until fully charged. When all 11 lights turn green, charging is complete. All lights will turn off after 10 mins.



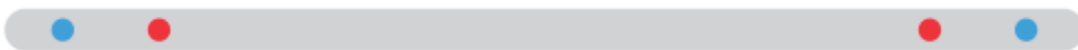
When should the cleaner be submerged in the pool?

When the two outer function indicator lights are blue, and the two inner ones are flashing yellow, the cleaner must be submerged in the pool as soon as possible.



Cleaner falls to Initialize.

When the two inner function indicator lights turn red, you need to turn off the cleaner, place it on a level ground and then restart it.



Motor is stuck when cleaner is working underwater.

Left motor is stuck: Cleaner stops and left function lights flash red.



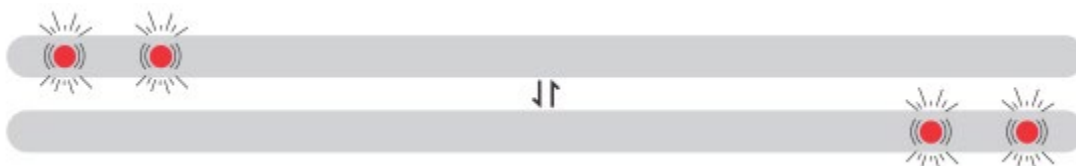
Right motor is stuck: Cleaner stops and right function lights flash red.



Both left and right motors are stuck: Cleaner stops and all function lights flash red at the same time.



Pump motor is stuck: Cleaner stops and function lights flash red in turn.



Note: It is normal to have water condensation behind the LED cover.

Troubleshooting

If the suggested solutions do not solve the problem, please contact CaliMar® customer service.

ISSUE	POSSIBLE CAUSE	SUGGESTED SOLUTION
Cleaner does not charge.	<ul style="list-style-type: none"> ▪ No voltage in the power socket. ▪ The power cable is not well connected into the power supply inlet. ▪ Loose connection between charging adapter and cleaner. ▪ Issue with the charging adapter. ▪ Water got into charging port. 	<ul style="list-style-type: none"> ▪ Check there is voltage in the power socket in the wall. ▪ Check the power cable is securely connected all the way into the power supply. ▪ Check cable connection on both cleaner end and adapter end. ▪ Check if the charging adapter shows green LED when disconnected from cleaner. If not, the charger needs to be replaced. ▪ Dry the charging port and retry.
Cleaner does not turn on or indicator does not light up.	<ul style="list-style-type: none"> ▪ Battery has run out. ▪ Switch failure. 	<ul style="list-style-type: none"> ▪ Recharge the cleaner. ▪ Try rebooting the cleaner.

Yellow light does not appear.	<ul style="list-style-type: none"> ▪ Started on uneven ground. ▪ Moved the cleaner during startup. 	<ul style="list-style-type: none"> ▪ Restart the cleaner on even ground. ▪ Restart the cleaner and do not move it until flashing yellow light appears.
Cleaner moves but does not clean the pool.	<ul style="list-style-type: none"> ▪ Filter basket full or clogged. ▪ Debris stuck in the impeller. 	<ul style="list-style-type: none"> ▪ Clean/Replace the filter basket. ▪ Remove debris stuck in the impeller.
Cleaner does not climb the wall.	<ul style="list-style-type: none"> ▪ Battery is low. ▪ Check if cleaner is in F-mode which means Floor Only. ▪ Clogged filter basket. ▪ Algae on walls. ▪ Unsuitable pH level. ▪ Worn tracks and/or brush rollers. 	<ul style="list-style-type: none"> ▪ Charge the cleaner. ▪ Switch to S-mode. ▪ Clean/replace the filter basket. ▪ Check water chemical levels. Improper levels may allow the growth of algae making the walls slippery. If so, adjust the levels and scrub the walls. ▪ Replace tracks and/or brush rollers.
Cleaner is moving in circles.	<ul style="list-style-type: none"> ▪ Clogged filter basket. ▪ Debris stuck in track or roller. 	<ul style="list-style-type: none"> ▪ Clean/replace the filter basket. ▪ Remove debris from track or roller. ▪ Check the cleaner according to CARE INSTRUCTIONS.
Cleaner stops underwater and function indicator lights flash red.	Motor is stuck. Follow the instructions in in section "Motor is stuck when cleaner is working underwater" to identify which motor is stuck.	<ul style="list-style-type: none"> ▪ If left/right motor is stuck, turn the left/right track manually to see if it moves. If not. check obstacle in the track. ▪ If pump motor is stuck, check obstacle in the impeller. ▪ Check the cleaner according to CARE INSTRUCTIONS.

Limited Warranty

Your CaliNav® robotic pool cleaner is guaranteed to be free from defects in materials and workmanship, under normal use and non-commercial application, for a period up to five years (see warranty term details below). This limited warranty is subject to the following terms, conditions, and exclusions. To avail the benefits of this warranty, please contact CaliMar® for troubleshooting. Proof of purchase will be necessary. This warranty applies solely to the original retail purchaser, when purchased from an authorized reseller, commencing from the original date of purchase, and is non-transferable. The CaliMar® limited warranty is restricted to the United States. The warranty is void on items taken outside the United States. This cleaner is designed for residential pool use, and any commercial application voids all warranties.

The warranty **does not** apply to issues arising from circumstances beyond CaliMar’s control, including, but not limited to:

- Product discoloration or any other cosmetic or superficial damage, regardless of cause.
- Malfunction, premature wear, or damage due to:
 - Electrical surges or using improper voltage input.
 - Negligence, abuse, tampering, accident, or rough handling including but not limited to dropping the unit, using an unauthorized cleaning solution, failure to properly package the product for

transportation, etc.

- Misapplication, misuse, abuse, or failure to operate equipment as specified in the owner's manual.
- Failure to properly maintain equipment, improper service, unauthorized equipment modifications or unqualified repairs, use of non-genuine replacement parts.
- Fire, flood, freeze damage, or acts of nature.
- Corrosion, cracking, overheating, warping, flooding, moisture intrusion or any other condition caused by or related to weather, climate, improper winterization, or improper equipment placement.
- Improper pool chemistry or failure to maintain pool water chemistry following the recommendations in the owner's manual.
- Material supplied or workmanship performed by others during installation.
- Normal wear items.
- Expenses related to removal, reinstallation, or any such costs incurred in obtaining warranty service.

If a defect in any covered item or part becomes apparent during the warranty period, CaliMar® will, at its sole discretion, either repair or replace such item or part. CaliMar® reserves the right to substitute defective parts with new or refurbished ones.

Warranty Period				
Components				
Proration*	100%	60%	40%	20%
Main body and electronic components <i>including:</i> airtight cabin (with battery & motors), main case, bottom case, charging adapter, built-in charging plug, impeller cover	Years 1-2	Year 3	Year 4	Year 5
Moving parts <i>including:</i> wheels, impeller	12 Months			
Wearable parts and consumables <i>including:</i> track tread, roller brush, axle sleeve, filter basket, driving cog gasket, waterproof charging port cap, hook	6 Months			

*Percentage is based on current retail value of equivalent unit.

When returning items for non-quality issues, buyer assumes responsibility for any damage or loss incurred in transit. CaliMar® does not provide refunds for items damaged in transit for non-quality related warranty claims. Transportation costs for equipment or component parts to CaliMar® are not covered by this warranty. CaliMar® will cover return transportation costs, except in the following situations:

- Returning products for any reason other than a proven manufacturing defect.
- Returning personal items.
- Returning items claimed to have defects but found by CaliMar® quality control to be in working condition.
- Costs associated with unauthorized returns (any returns made outside of the approved warranty process).

Disclaimers: This limited warranty constitutes the entire warranty and supersedes all other warranties, expressed or implied. This limited warranty grants you specific legal rights, which may vary from state to state. CaliMar's liability shall not exceed the repair or replacement of defective items or parts under the referenced limited warranty terms. Under no circumstances shall CaliMar® or its authorized agent/installer be liable for consequential, special, or incidental damages of any kind, including but not limited to personal injury, property damage, or damage to or loss of equipment. CaliMar® or its agent/installer is not liable for any other expenses that may arise during installation or servicing.



CaliMar® Pool Products USA, Inc.
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