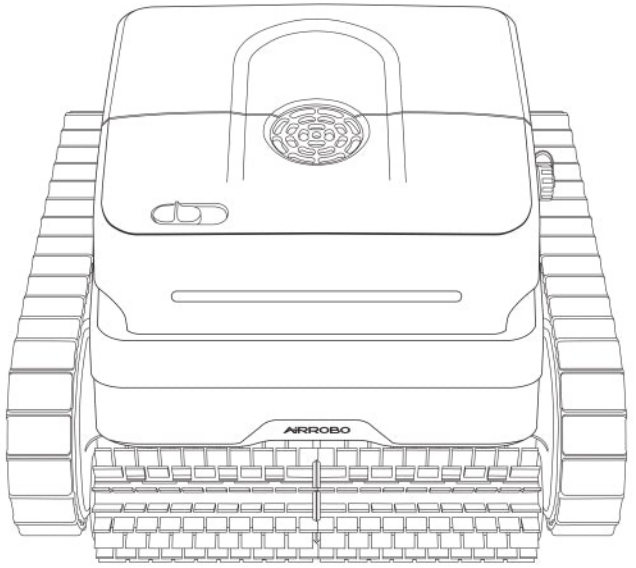
AIRROBO

Free as a breeze

USER MANUAL



AIRROBO PC100

Robotic Pool Cleaner

AIRROBO PC100

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WARNINGS AND CAUTIONS

Read through the User Manual prior to the first use of the cleaner and keep the User Manual for future reference.

WARNINGS



- This product may be used for domestic use only and may not be used for commercial or industrial purposes.
- Use the original charging adaptor only. Do not use an extension cable in any case. Keep a safe distance from combustibles when charging.
- Ensure the electrical outlet is protected by a ground fault interrupter (GFI) or an earth leakage interrupter.
- Do not charge or use the cleaner when any anomaly is noticed. Please contact customer support.
- Do not operate the product 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 power 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.
- The power plug must be removed from the socket-outlet before cleaning or maintaining the product.
- Do not attempt to repair, modify any part of your product. All servicing should be performed by qualified personnel only. No userserviceable parts inside.
- Do not pierce the shell of the product with nails or other sharp objects. Do not hammer, impact or throw the product.

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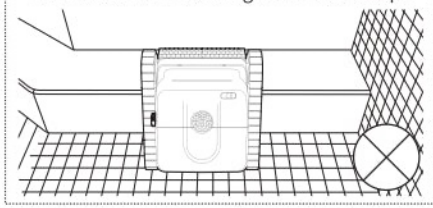
CAUTIONS

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

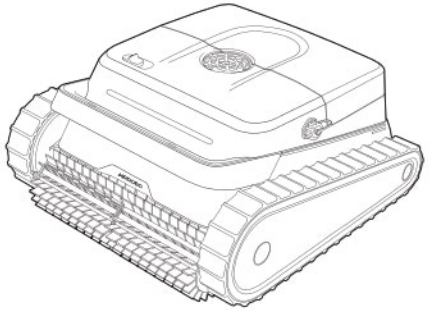
- Do not operate the cleaner while the pool filter is running.
- Sunshelves or steps less than 50cm below water surface may cause the cleaner to get stuck.
- Climbs Slopes < 25°.
  If there is a steep slope of more than 25 degrees from the deep end of the pool to the shallow end, the cleaner may not be able to leave the deep end.

The cleaner was not designed to clean steps.



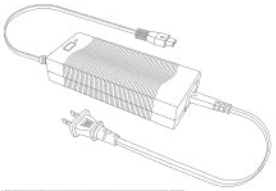
PACKING LIST

Cleaning Robot x 1



With standard filter basket pre-installed

Charging Adaptor x 1



Plug type for reference only

Hook x 1



User Manual x 1



Warranty Card x 1



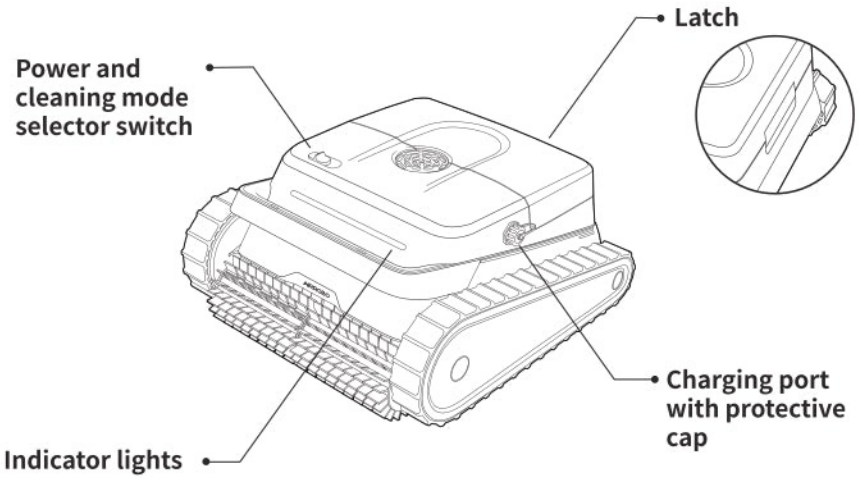


Replacement parts kit

Axle sleeve-transfer gear x 2, axle sleeve-front wheel x 2
Axle sleeve-rear wheel x 2, lubricating grease x 2, screw x 4

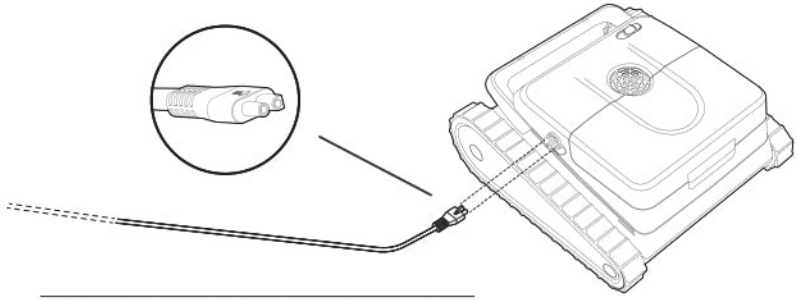
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PRODUCT OVERVIEW



USING THE CLEANER

Charge your cleaner

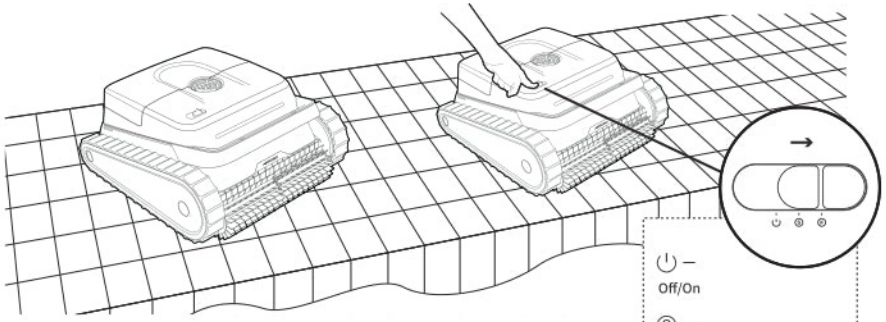


⚠ Note: Fully charge the product before the first use. Make sure the charging port is dry before charging.

Turn on

1 Keep it still on level ground

2 Select cleaning mode

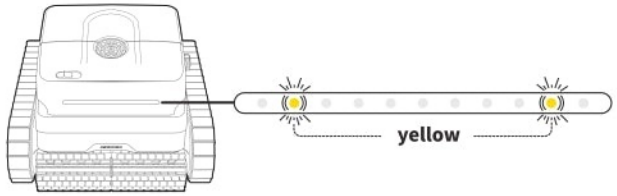


⏻ –
Off/On

Ⓢ –
Standard Cleaning Mode:
If you haven't cleaned your pool for a long time, or your pool is very dirty and you want to clean all pool surfaces, feel free to use Standard Cleaning Mode.

Ⓕ –
Floor Only Mode:
If you clean your pool on a regular basis and only want to clean floor, feel free to use Floor Only Mode for daily cleaning.

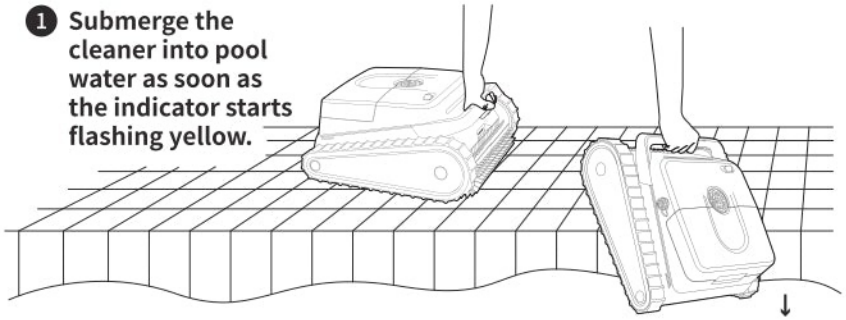
3 Don't move the cleaner before the indicator flashes yellow.



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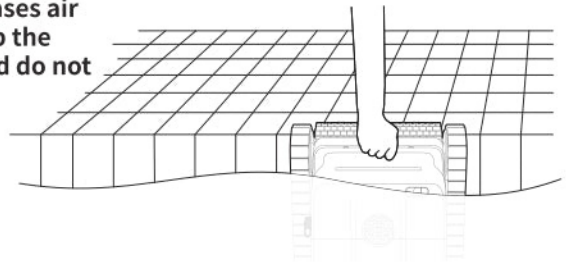
Into the pool

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

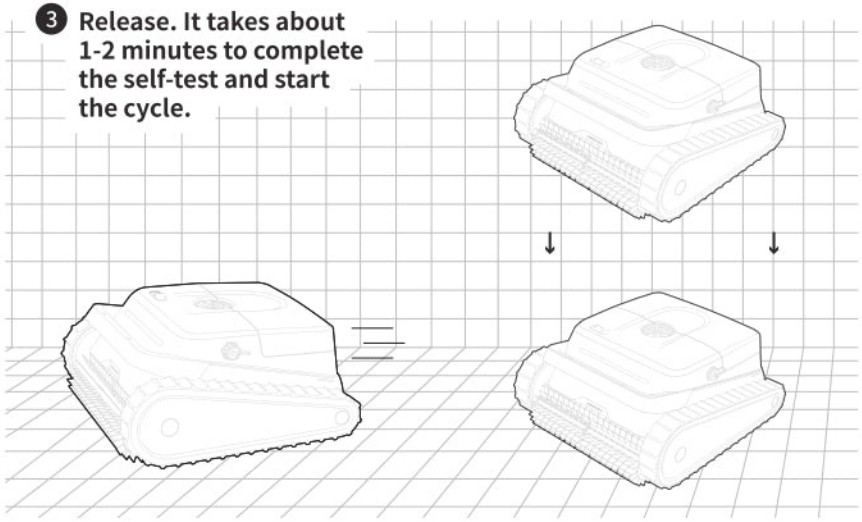


⚠ Note: Make sure the protective cap of the charging port is screwed on tightly.

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



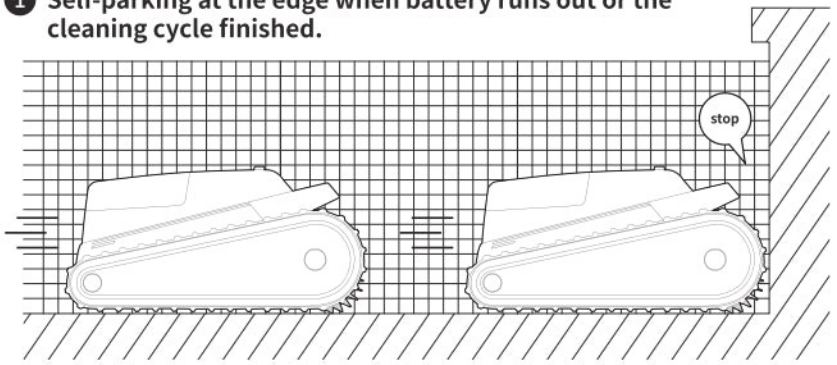
3. Release. It takes about 1-2 minutes to complete the self-test and start the cycle.



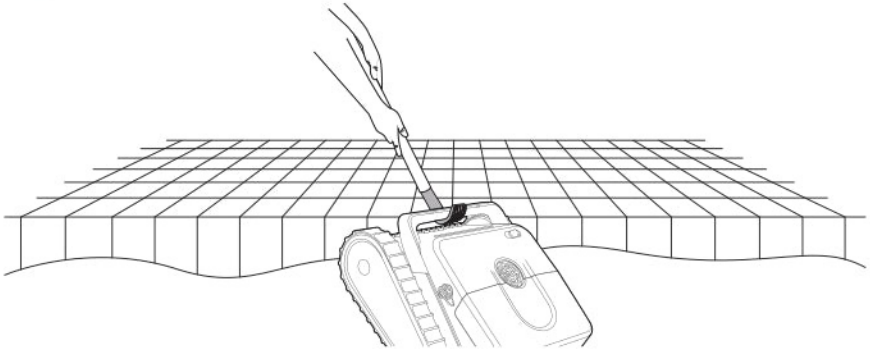
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Out of pool

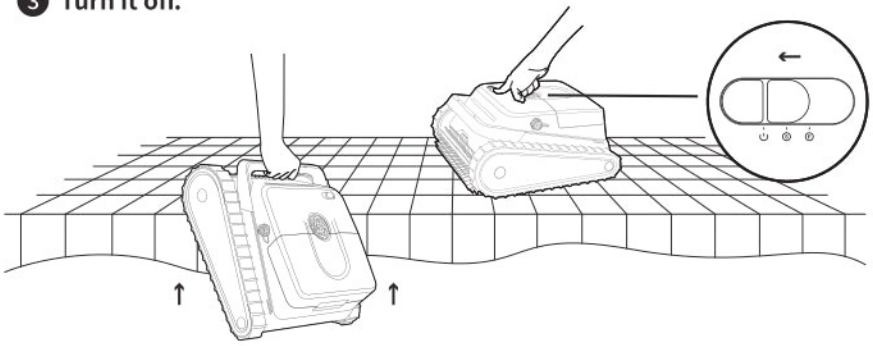
1. Self-parking at the edge when battery runs out or the cleaning cycle finished.



2. Pick it up with the hook.



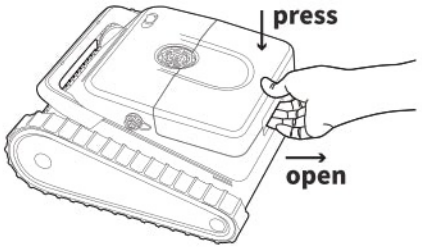
3. Turn it off.



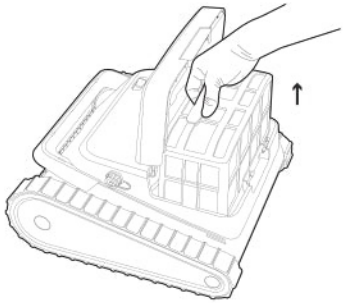
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Clean the filter

1 Open the back cover.



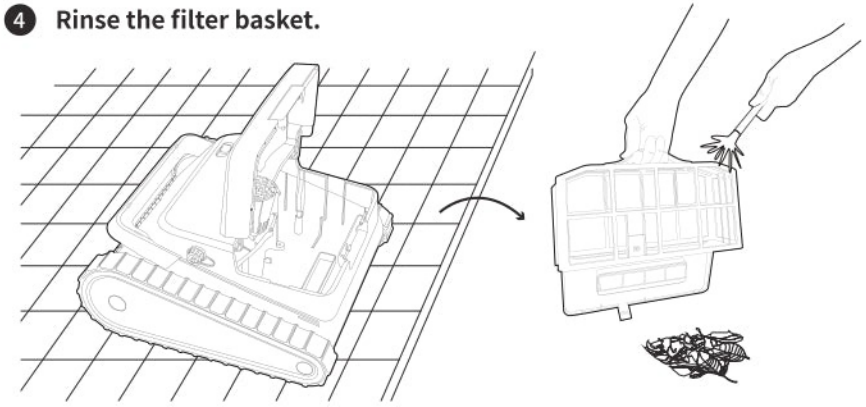
2 Take out the filter basket.





3 Empty the waste collected in the filter basket.

4 Rinse the filter basket.



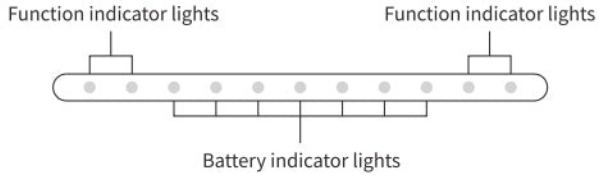
It is highly recommended to clean the filter basket after each cleaning cycle.

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 filter basket. If cleaning does not make a difference, the filter basket needs to be replaced.

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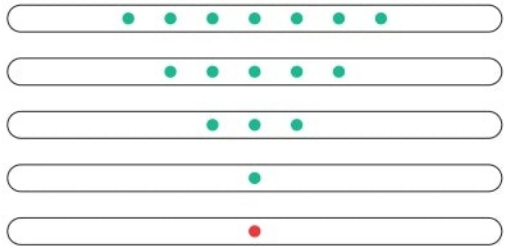
INDICATOR LIGHTS

1. Schematic diagram of the indicator lights.



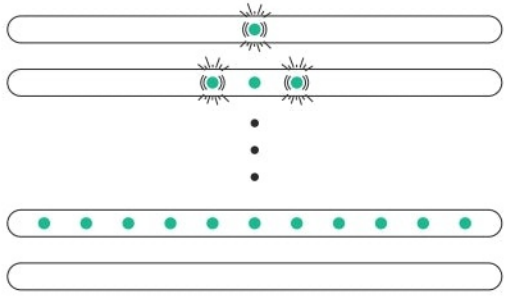
2. What is the meaning of the battery indicator lights in a cleaning cycle?

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.



3. What do the battery indicator lights mean when charging?

When charging, the number of green lights will increase from 1 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.



4. When should the cleaner be submerged in the pool?

When the two outer lights are blue, and the two lights next to them are flashing yellow, the cleaner must be submerged in the pool as soon as possible.



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5. What' s the meaning of white lateral lights in a cleaning cycle?

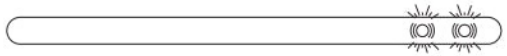
- Advance/Reverse:
  4 lights lit



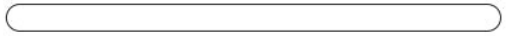
- Turning left:
  2 lights on the left flash



- Turning right:
  2 lights on the right flash



- Stop:
  4 lights off



6. Cleaner fails to initialize.

When the two LED lights next to the outermost ones turn red , you need to turn off the cleaner, place it on a level ground and then restart it.



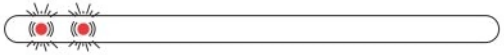
7. Over-temperature protection when charging.

When over-temperature protection is activated during charging, the two outermost lights turn red until the power is cut off and the temperature is lowered below the set value. Let it sit for about 20mins and continue charging in a shaded area.



8. Motor is stuck when cleaner is working underwater.

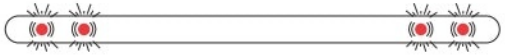
- Left motor is stuck:
  Robot stops and 2 leftmost lights flash red.



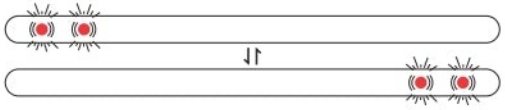
- Right motor is stuck:
  Robot stops and 2 rightmost lights flash red.



- Both left and right motors are stuck:
  Robot stops and 4 lateral lights flash red at the same time.



- Pump motor is stuck:
  Robot stops and 4 lateral lights flash red in turn.



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SPECIFICATIONS

Motor IP rating: IP 68	Charging Adapter	Dimensions: 416*392*211mm/
Minimum depth: 0.5m/1.64ft	Input: 100-240VAC 50/60Hz 2.0A MAX	16.38*15.43*8.31inch
Maximum depth: 3m/9.84ft	Output: 25.2V⎓3.0A 75.6W	Item weight: 8.5kg /18.7lbs

CARE INSTRUCTIONS

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

1. After daily use

- Clean the product and the filter basket after each cleaning cycle.
- Keep it away from strong and direct sunlight.
- Make sure to dry up the charging port before charging.

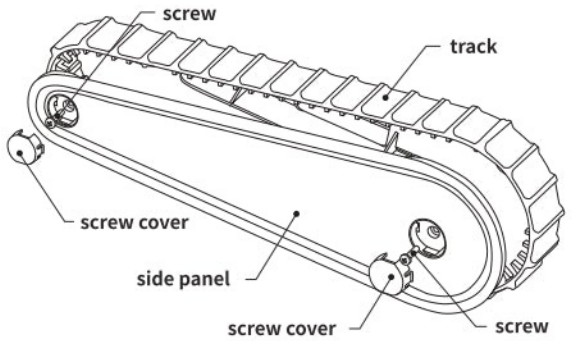
2. Every 3-4 months or after a deep cleaning cycle when the pool is considered dirty.

- Check and make sure no debris is stuck in the impeller, track treads and cogs.
- CLEAN and LUBRICATE according to instructions. [❶❷❸]

3. Every 12 months or when the cleaner is found working/turning slowly

- Check track treads and brush rollers for wear. Replace them when signs of wear are observed.
- CLEAN and LUBRICATE according to the instructions. [❶❷❸]
- Replace axle sleeves if CLEAN and LUBRICATE don't work. [❹]

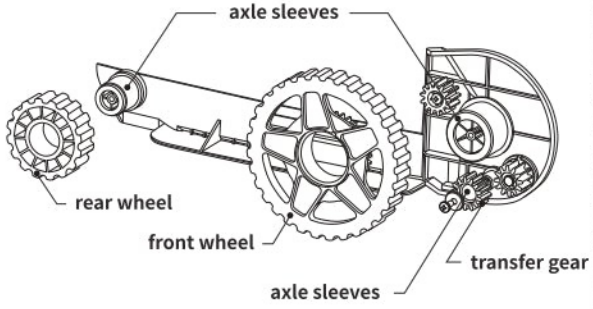
❶ **Take off the side panel:** Remove the two screw covers. Using a Phillips-head screwdriver, remove the two screws that hold the side panel and track tread in place. Take off the side panel and the track tread and place them to the side.



❷ **CLEAN:** Clean the inside of the side panel. Take off the front wheel, the rear wheel and the transfer gear. Remove the axle sleeve under each of them. Clean the parts with water or cloth and dry them.

❸ **LUBRICATE:** Apply 2-3g lubricating grease evenly over the transfer gear and on the surface of the center openings of the front wheel, rear wheel and transfer gear.

❹ **REPLACE:** Replace axle sleeves as needed.



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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 5°-45°C/41°-113°F, and humidity lower than 80%RH.
- Charge the battery at least once every 3 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.

TROUBLESHOOTING

If the suggested solutions do not solve the problem, please contact customer service for help.

ISSUE	POSSIBLE CAUSE	SUGGESTED SOLUTION
Cleaner does not charge.	• 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 the charging port.	• 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 operate or indicator does not light up.	• Battery has run out. • Switch failure.	• Recharge the Cleaner. • Try to turn off the Cleaner and turn on again.

ISSUE	POSSIBLE CAUSE	SUGGESTED SOLUTION
Yellow light does not appear.	• Started on uneven ground. • Moved the Cleaner during startup.	• 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.	• Filter basket full or clogged. • Debris stuck in the impeller.	• Clean the filter basket. • Remove debris stuck in the impeller.
Cleaner does not climb the wall.	• Battery low. • Check if in F mode which means Floor Only. • Clogged filter basket. • Algae on walls, unsuitable pH level. • Worn tracks and/or brush rollers.	• Charge the Cleaner. • Switch to S mode. • Clean the filter basket. • Check the level of the chemicals of the water. 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.	• Clogged filter basket. • Debris stuck in track or roller.	• Clean the filter basket. • Remove debris from track or roller. • Check the cleaner according to CARE INSTRUCTIONS on page 10.
Cleaner stops underwater and 2 leftmost lights or 2 rightmost lights flash red, or both of them flash red.	Motor is stuck. Follow the instructions in "8. Motor is stuck when cleaner is working underwater" in section INDICATOR LIGHTS to identify which motor is stuck.	• 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 on page 10.

COMPLIANCE STATEMENT

Federal Communications Commission (FCC) compliance statement

1. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
- This device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

2. 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 the dealer or an experienced radio/TV technician for help.

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EU Declaration of Conformity

Product description: Robotic Pool Cleaner
Type designation(s): PC100
Trademark: AIRROBO

Hereby we,

Name of manufacturer: Best Epoch Technology Co., Ltd.
Address: 2201, Block C1, Nanshan I Park, No. 1001 Xueyuan Road, Nanshan District, Shenzhen City, China P.R.

Declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonization legislations: European Directive(Low Voltage Directive 2014/35/EU,Electromagnetic Compatibility Directive 2014/30/EU).

The following harmonized standards and/or other relevant standards have been applied, which included for Article 3.1a Health, Article 3.1b EMC, Article 3.1a Electrical Safety requirements:

EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A2:2021
EN 60335-2-2:2010+A11:2012+A1:2013
EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019+A15:2021
EN 62233:2008

The performed the conformity assessment according to the European Directive. The laboratory issuing the report is Shenzhen NTEK Testing Technology Co., Ltd.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of: Best Epoch Technology Co., Ltd.
Place: Shenzhen, China.
Name: Lucia Liu **Position:** Certification Engineer
Signature: Lucia Liu **Date:** March 25,2023

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