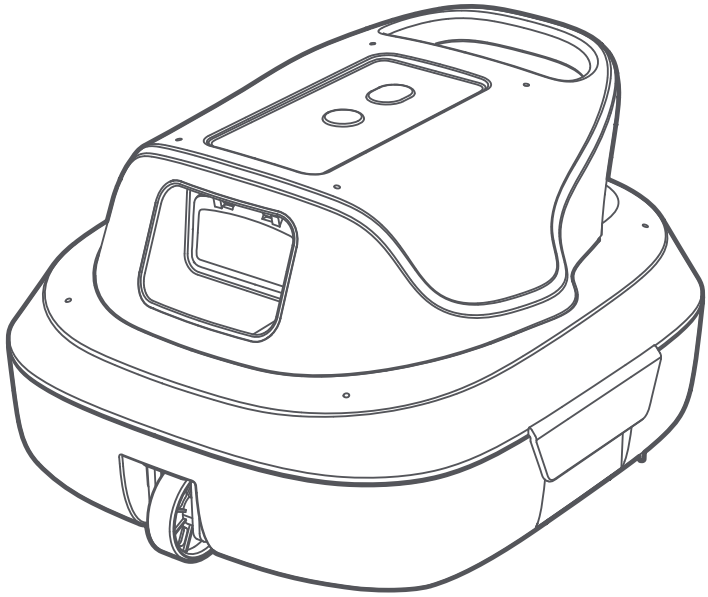
MOVA



Robotic Pool Cleaner

MOVA Diver R10

User Manual

The illustrations in this manual are for reference only. Please refer to the actual product for accuracy.

1. Safety Instructions

- Always disconnect the appliance from the supply before assembling, disassembling or cleaning.
- To protect against the effect of freezing, the appliance shall not be left outside during freezing weather conditions.
- The appliance is a Class III appliance that it must only be supplied at SELV.

1.1 Safety Regulations

- **READ AND FOLLOW ALL INSTRUCTIONS.**
- **SAVE THESE INSTRUCTIONS.**
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Disconnect the pump from the supply mains before carrying out user maintenance such as cleaning the filter.
- The installation instructions for class III pumps intended to be installed in zone 0 of a swimming pool, as defined in IEC 60364-7-702, shall state that the transformer is to be located outside zone 1.
- This appliance contains batteries that are nonreplaceable.
- Please read this manual carefully and use your MOVA Diver R10 in accordance with the manual instructions. MOVA is not liable for any losses or injuries caused by improper use of this device.
- This appliance 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 appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Please don't use the robot in a temperature below 10 °C (50 °F) or above 40°C (104 °F).
- Remove the robot from the pool before allowing people to enter the pool. DO not use the robot while people or animals are in the swimming pool.
- Turn the robot off while not in use or while performing maintenance.
- Do not run the robot out of water as it may lead to overheating.

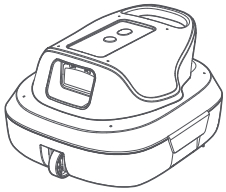
- Do not pierce the shell of the robot, throw, or damage the robot intentionally.
- **WARNING:** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.
- Please fully charge the pool cleaning robot before using it for the first time.
- Ensure the robot is powered off and the charging port is dry and clean before charging.
- Charging the robot in a cool place, keep away from water and flammable. Do not charge the robot in direct sunlight or in a humid environment.
- Put the robot into the water soon after powering it on. Do not place the robot upside down, or directly throw the robot into the swimming pool.
- If the pool cleaner robot used in salty water, >PH8.0 or <PH7.0 water, please clean the robot with fresh water after each use.
- DO NOT open the sealed electrical cabin.
- Please keep the robot clean and fully charged before long-term storage. The storage temperature should be between -10-60 °C (14-140 °F).

1.2 Symbols

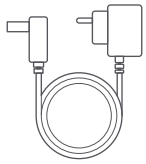
	Before charging, read the instructions.
	Direct current
	Alternating current
IPX8	IP classification
	Maximum Working Temperature: 40 °C/104 °F
	Maximum Working Depth: 3 m/10 ft
	**WARNING –** It is not permitted to dispose of this product as normal household waste. Ensure that the product is recycled in accordance with local legal requirements.

2. Product Introduction

2.1 What's in the Box



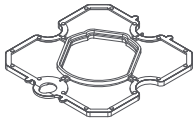
Robot



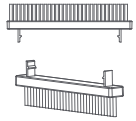
Charger



Retrieval Hook



Filter (pre-installed)



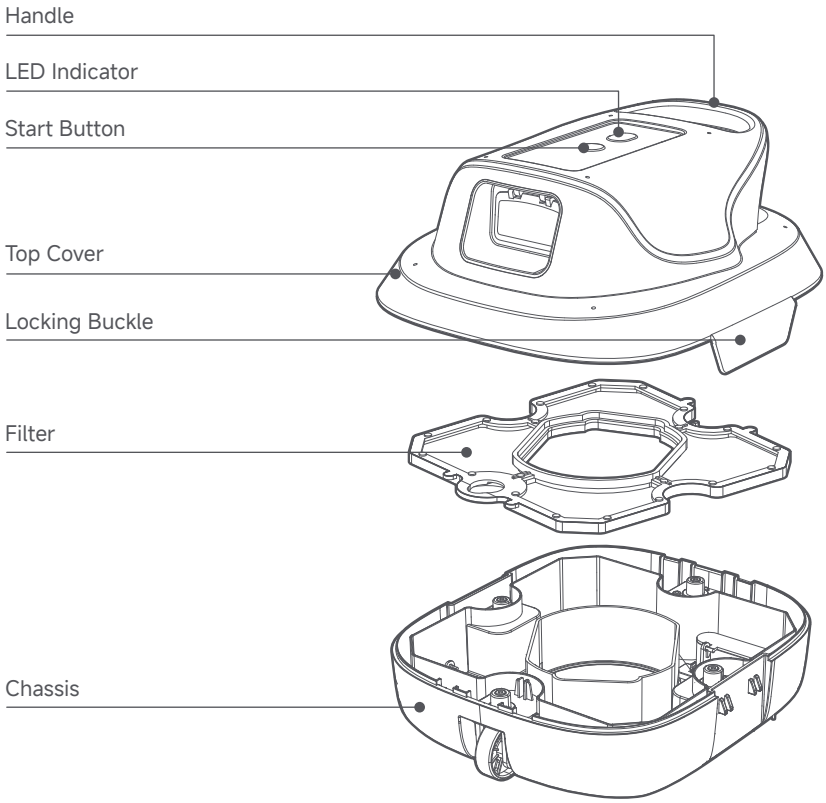
Brush * 2 (pre-installed)



User Manual and
Quick Start Guide

Note: The illustrations provided in this manual are for reference only. Please refer to the actual product for accuracy.

2.2 Product Structure



2.3 Indicators on the Robot

Light Effects		Robot Status
Charging	Solid green	Battery Level=100%
	Blinking green	70%<Battery Level<100%
	Blinking blue	30%<Battery Level≤70%
	Blinking red	0%<Battery Level≤30%
	Red-green alternative flashing	Low charging voltage.
	Red-white alternative flashing	High charging voltage.
Operating	Solid white (1s)	Restoring factory settings.
	Blinking red (Quick)	The robot will power off after about 25 minutes due to low battery.
	Solid purple	The robot is parking on the pool floor and will power off after 40s.
	Solid yellow	The robot will power off soon.
	Solid white	The robot is changing direction.
Error or Malfunction	Blinking white	The robot is trapped.
	Red-blue alternative flashing	Motor blockage.
	Red-green-blue alternative flashing	Motor broken.
	Green-blue alternative flashing	Sealed cabin leaking.

3. Operations

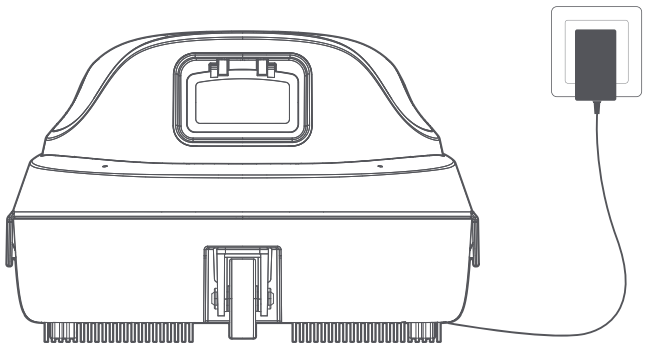
3.1 Operation Conditions

❶ The robot is suitable for flat-bottom pools with no slopes up to 80 m² (850 sq.ft).
❷ Please don't use the robot in a temperature below 10 °C (50 °F) or above 40 °C (104 °F).
❸ If the pool cleaner robot is used in salty water, please clean the robot with fresh water after each use.

3.2 Charging

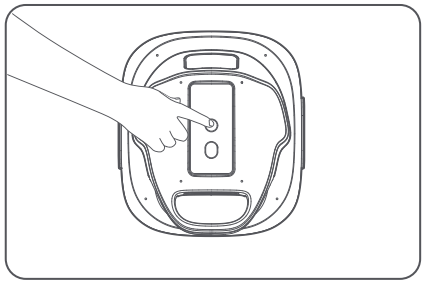
Please make sure to fully charge the robot before initial usage.

❶ Check if there is any residual water in the charging port. If so, wipe the charging port dry first.
❷ Connect the charging cable to the robot's charging port and plug the charger into a fixed power outlet.
❸ Fully charge the battery, then disconnect and unplug the charger. The indicator will show solid green when the robot is fully charged.

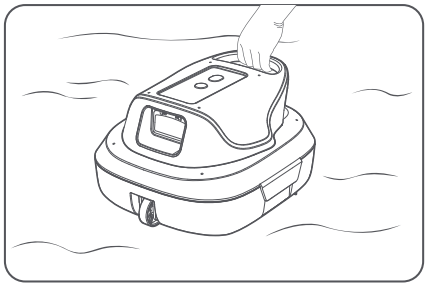


3.3 Start Cleaning

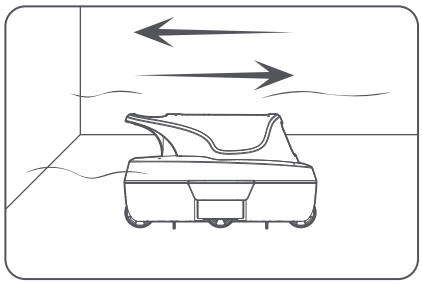
❶ Press the start button for 1 second to power the robot on.
❷ Submerge the robot into the water and after 10-20 seconds, the robot will start cleaning automatically.

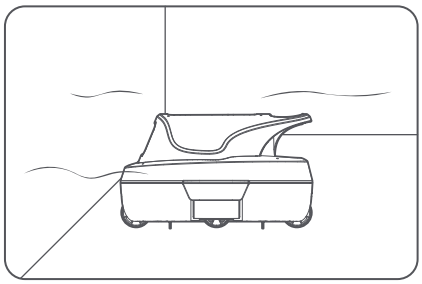


press for 1s to power on

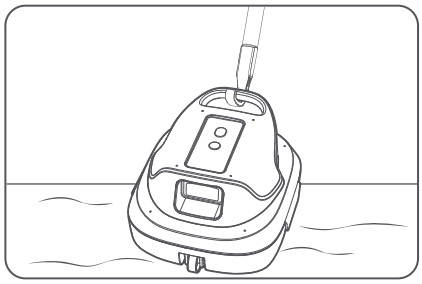


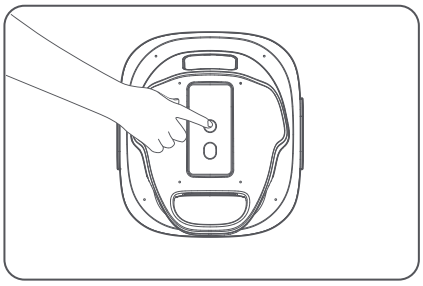
❸ The robot will continue to work until the battery is low.
❹ When the battery runs out, the robot will park itself alongside the pool's bottom edge until powering off. The indicator will show solid purple before powering off.





❺ Attach the included retrieval hook to your standard pool pole (not included) to lift the robot out of the water.
❻ Alternatively, you can lift the robot out of water when it's working and long-press the start button for 3 seconds to power it off.



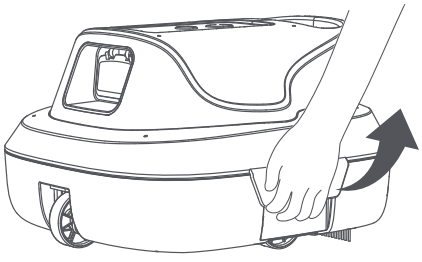


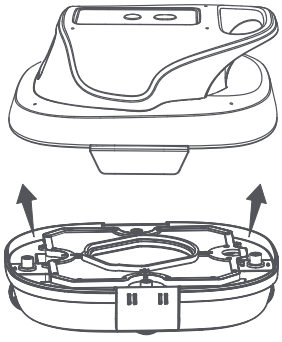
press 3s to power off

4. Maintenance & Storage

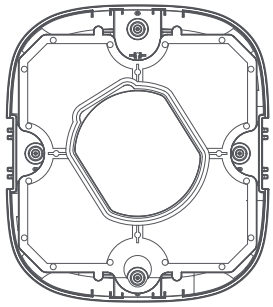
4.1 Clean the Components

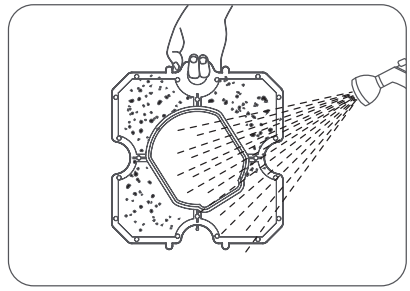
❶ Open the two locking buckles, detach the top cover.



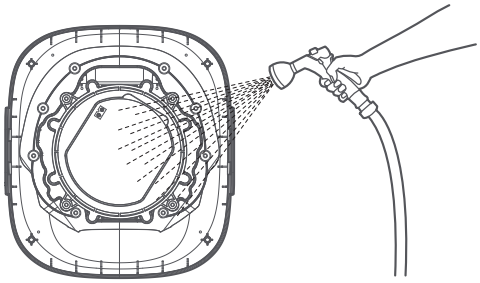


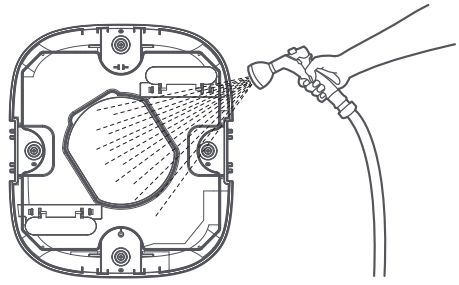
❷ Remove the filter and rinse it with water.



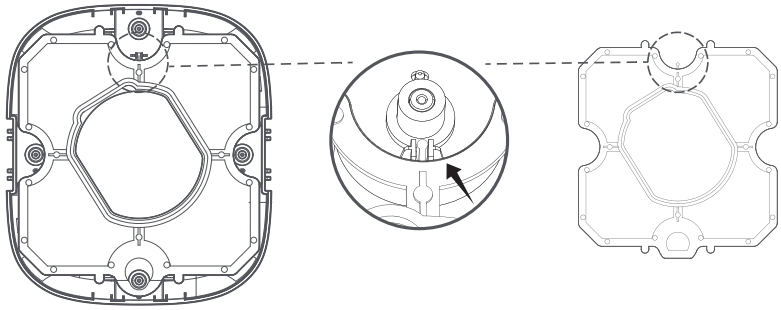


❸ Wash the top cover and the chassis with water.



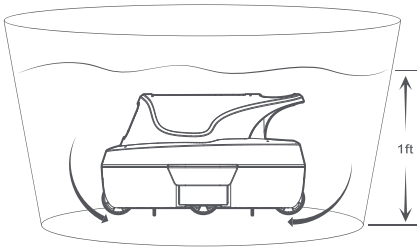


❹ After the cleaning is complete, replace the filter and secure the top cover using the buckles. Make sure to align the filter with the stand card location on the chassis as indicated in the figure below.



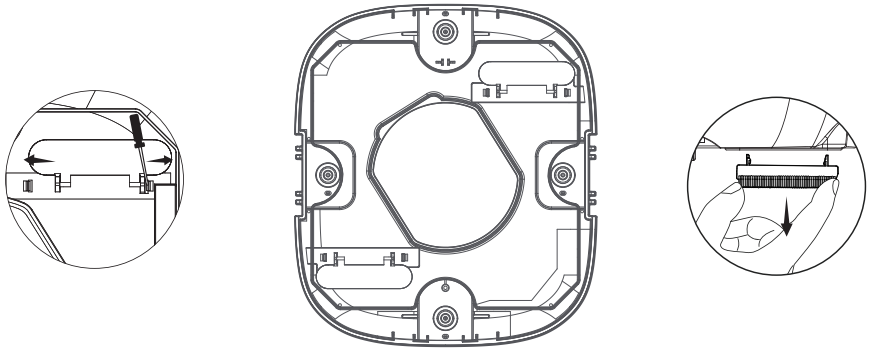
4.2 Self-cleaning Function

❶ Remove the filter, then put the pool cleaning robot into a barrel with enough clean water.
❷ Power the robot on, and keep the robot working for at least 60 seconds to clean the debris inside the robot.

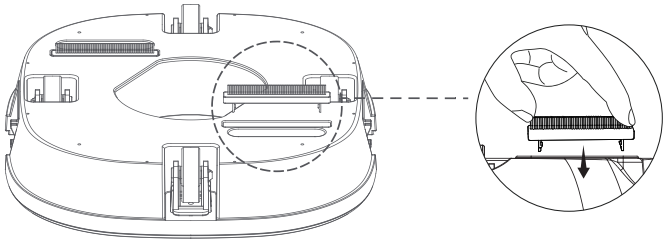


4.3 Change the Brushes

❶ Open the two locking buckles, detach the top cover.
❷ Locate the brush location on the chassis. Push the small locking pins to the sides to loosen the brushes.
❸ Fetch out the old brush.



❹ Insert a new brush into the slot.



4.4 Storage

❶ Remove the robot from the pool and drain all the water.
❷ Turn off the robot and disconnect it from the power source before storage. It is recommended to store the robot with a battery level of 80–100 %.
❸ Store the robot in a place with an ambient temperature between -10–60 °C (14–140 °F). Ensure the following conditions are met:

- Store the robot indoors in a cool, dry location, protected from direct sunlight, rain, or frost.
- Keep the robot away from extreme temperatures, flames, and areas accessible to children.
- Protect it from dust if stored for an extended period.
- Before using the robot again, please fully charge the battery.

5. Troubleshooting

Problems	Possible Solutions
The robot fails to charge.	1. Use another working wall outlet. 2. Check and clean the charging port. 3. Contact the after-sales service if the problem persists.
The robot fails to power on.	1. Fully charge the robot before powering it on. 2. Contact the after-sales service if the problem persists.
The robot moves slowly or turns its direction frequently while there is no pool wall.	1. Check and wash the filter. 2. Check the wheels for any entanglement or blockage. 3. Contact the after-sales service if the problem persists.
Motor blockage.	1. Check whether the impeller or the motor shaft are stuck by obstructions. If so, please clean them up in time and turn on the robot again. 2. If the above questions are not found, try to turn on the robot again. 3. Contact the after-sales service if the problem persists.
Motor broken.	1. Try to turn the robot on again. 2. Contact the after-sales service if the problem persists.
Sealed cabin leaking.	1. Try to turn the robot on again. 2. Contact the after-sales service if the problem persists.
Low charging voltage.	1. Check if the charging plug is inserted securely, replug the charger once again. 2. Use another working wall outlet. 3. Contact the after-sales service if the problem persists.
High charging voltage.	1. Check if the charging plug is inserted securely, replug the charger once again. 2. Use another working wall outlet. 3. Contact the after-sales service if the problem persists.

6. Specifications

Name	MOVA Diver R10
Model	PIX8111
Waterproof Grade	IPX8
Pool Size	80 m² (850 sq.ft)
Max Suction Power	5700 LPH (1500 GPH)
Max Water Depth	3 m (10 ft)
Charging Time	2.5 h
Runtime	120 Minutes
Charger Output	12.6 V ⎓ 2.0 A
Working Temperature	10-40 °C (50-104 °F)
Storage Temperature	-10-60 °C (14-140 °F)
Charger Model	J301-1262000EX/J301-1262000SX/J301-1262000BX

Note: The specifications are subject to change as we continually improve the product. For the latest information, please visit our website at https://www.mova.tech/.

MOVA

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https://www.mova.tech/pages/contact-us
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