

# ROBOTIC POOL CLEANER

## Raptor SE HJ2032



## USER MANUAL

Subject to update by manufacturer without prior notice

### **Important Precautions**

1. In order to prevent severe damage to the cleaner, never power on the unit when it is outside of the swimming pool.
2. The power cord must be connected to an appropriate earthed socket.
3. Do not operate the cleaner when people are in the pool.
4. Hold the top handle when putting the cleaner into water or lifting out of the water, do not pull the cable.
5. 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).
6. 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.
7. Remote control should be hold vertically for a maximum control distance.
8. Please clean and wash the filter bag every time after use.
9. The cleaner should be stored in a cool and ventilated place, away from direct sunlight when not in use.
10. The power supply unit should be placed in a shaded area during working. In order to avoid overheating and potential damage of components, never cover the power supply unit.
11. Only authorized after sales service personnel should open the cleaner's power supply unit and motor assembly, otherwise the warranty will be invalidated.
12. In order to avoid any accident/damage, it is strongly recommended to connect the caddy with a fixed holder beside the swimming pool by using the safety rope (included in the package).
13. Do not use the cleaner beyond the working environment/conditions stated in this manual.
14. After power off the machine, must wait until at least 30 seconds to restart it.

15. For different season different density of the filter net need to be chosen. More detail please contacts your local distributor.
16. This machine is for clean the pool only not for other purpose.
17. It may cause minor pollution in case of the leaking from the oil seal.

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



# Contents

<b>I . Introduction</b> -----	<b>P 5</b>
<b>II . Safety</b> -----	<b>P 5</b>
<b>III. Specifications</b> -----	<b>P 6</b>
<b>IV. Operation instructions</b> -----	<b>P 7</b>
<b>V. Packing list</b> -----	<b>P 11</b>
<b>VI. Warranty</b> -----	<b>P 12</b>

## I .Introduction

The robotic pool cleaner HJ2032 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 replace the pool water. It's totally environmental-friendly.

For safe operation, the cleaner works on 24V direct current. Please read this user manual carefully before use.

## II . Safety

### 1. Power supply unit position:

Power supply unit need to be placed in proper position so as to reach the distal end of pool for the cleaner, meanwhile as least 3.5m from pool edge.

### 2. important:

Before power on, make sure local voltage/frequency matches the rated voltage/frequency of the cleaner

Rated input voltage: 110VAC (120VAC) / 220VAC (230VAC)

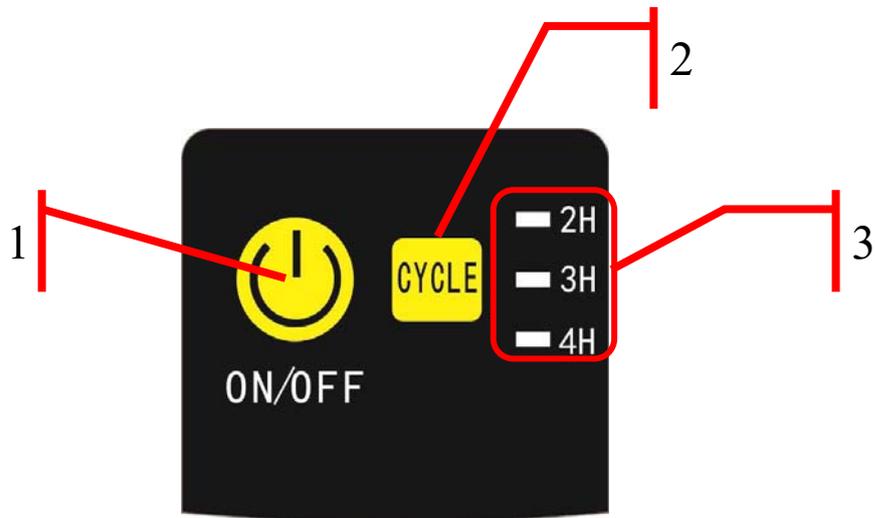
Frequency: 50Hz/60Hz

### III. Specifications

1. Rated input voltage: 220VAC (230VAC)/ 110VAC (120VAC)
2. Frequency: 50Hz/60Hz
3. Output voltage: DC20V
4. Power: 200W
6. Remote control frequency: 315 MHz
7. Cable length: 18m
8. Roller length: 465mm
9. Max cleaning area: Appr. 200 m<sup>2</sup>
10. flow rate: 20m<sup>3</sup>/h
11. Filter net density: 180um
12. Pool water temperature: 10°C-32°C
13. Moving speed: MAX 12.5m/min
14. IP grade: Cleaner IPX8  
Power supply unit IPX5
15. Water deepness: max. 2m
16. Moving speed: appr. 12m/min
17. Remote distance: >20m
18. Water temperature: 0°C-+40°C

## IV. Operation instructions

### 4.1 Panel

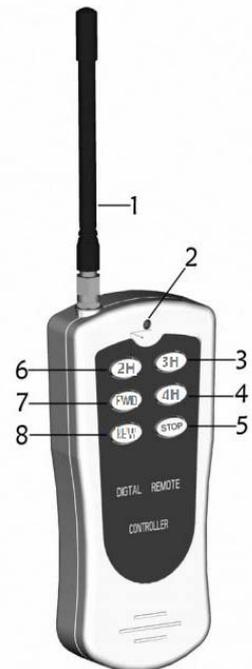


No.	Indicator	Description		Function	
1	ON/ OFF	Power on/ off		Press this button, the cleaner starts to work; Press a second time, the cleaner is stopped.	
2	CYCLE	To choose working cycle		When the cleaner is on, use this button to choose preferred working time.	
3	Indicator	Indicator	2H flashes	Working time of 2 hours	
			3H flashes	Working time of 3 hours	
			4H flashes	Working time of 4 hours	
			2H, 3H and 4H flash together	Working cycle finishes	
	Fault	Fault	<b>Fault Code</b>	<b>Meaning</b>	<b>Suggestions</b>
			2H and 3H flash together, with warning sound	Pump overload	Stop the cleaner, check if anything is stuck in impeller
		3H and 4H flash together, with warning sound	Driving motor overload	Check if anything is stuck in the belt	

			2H and 4H flash together, with warning sound	Cleaner out of water	Eliminate the air inside the cleaner, immerge the cleaner and restart.
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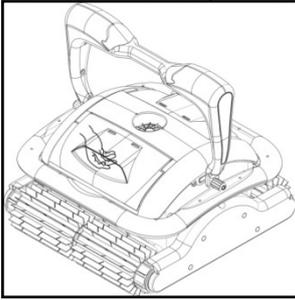
## 4.2 Remote control ( Optional)

NO.	Sign	Indicate	Function
1	Antenna		Signal reception
2		Indicator light	
3	3H	Working for 3 hours	Press this button, machine will working for 3 hours
4	4H	Working for 4hours	Keep press this button machine will turn right
5	STOP	Stop working	Press this button machine will stop working
6	2H	Working for 2hours	Press this button machine will stop walking forward
7	FWD	Move forwards manually	Press this button, machine will move forwards
8	REW	Move backwards manually	Press this button, machine will move backwards

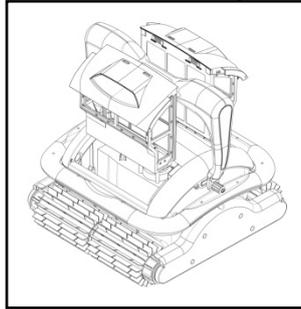


### 4.3 Clean the filter tray

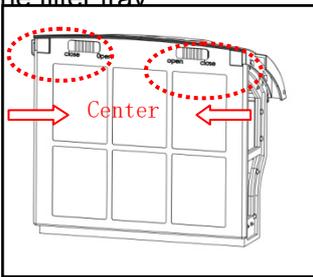
1. Lift the filter tray cover



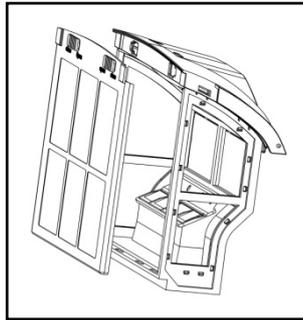
2. Lift the filter tray



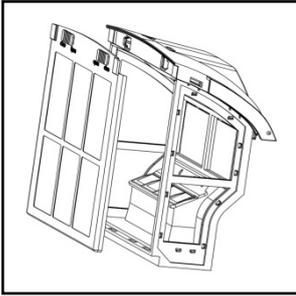
3. Push towards the middle to open the filter tray



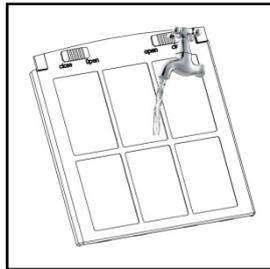
4. Move the filter panel outwards



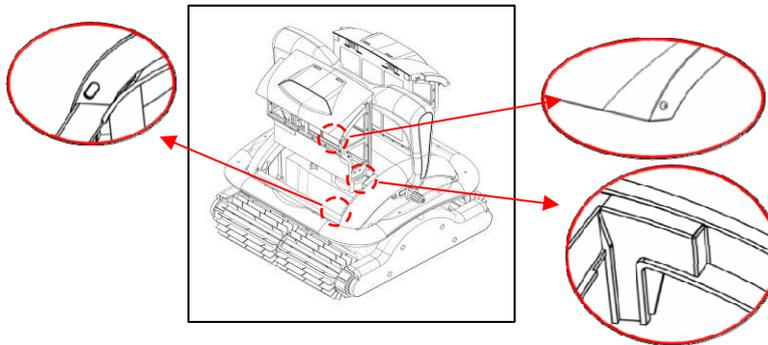
5. Pull out the filter panel vertically



6. Rinse the filter



7. Slide the filter tray along the groove; press the two ends of handle to fix with robot



## 4.4 Assembly of transport caddy ( optional)

1. Open the package for assembling      2. Put the Connection part onto the plate



3. Insert the wheel axle      4. Assemble the protecting cover and axle cover



- 5, Assemble wheel      6. Put on the nut



7. Tighten the nut      8. Assemble the top handle



- 9, Assemble power unit holder      10. Assemble cable holder



## V. Packing list

Item		Name	Model	Quantity (pc)	Note
1	Cleaner	Cleaner	HJ2032	1	In Carton
2		Power supply unit	HJ2032	1	In Carton
3		Manual and certificates, etc.		1	
6		Battery	23A	1	Mini Plastic Bag
7		Antenna		1	Mini Plastic Bag
8		Remote control ( option)		1	Mini Plastic Bag
9	Transport caddy (optional)	Top handle		1	In Carton
10		Connection part		1	In Carton
11		Plate		1	In Carton
12		Power supply holder		1	In Carton
13		Cable holder		1	In Carton
14		Wheel axle		1	In Carton
15		Wheel		2	
16		Nut	M10	2	Mini Plastic Bag
17		Axle cover		2	Mini Plastic Bag
18		Protecting cover		2	Mini Plastic Bag

## VI. Warranty

This product has passed all quality control and safety tests, conducted by the technical department of the factory.

Warranty information:

1. Warranty period is 2 years from the date of delivery and is settled in accordance with the terms established by Directive 1999/44/EC of 25<sup>th</sup> of May regarding guarantees on the sale of consumer goods as well as the local law in the Country of Purchase within the European Union.
2. This warranty is void if the product has been altered, misused, or has been repaired by unauthorized personnel.
3. The warranty extends only to manufacturing defects and does not cover any damage resulting from mishandling of the product by the owner
4. The sales invoice must be presented for any claim or repair during the warranty period.

**Please contact your local dealer for any warranty issues.**



### Environmental Programmes, WEEE European Directive



Please respect the European Union regulations and help to protect the environment.

Return non-working electrical equipment to a facility appointed by your municipality that properly recycles electrical and electronic equipment. Do not dispose them in unsorted waste bins.

For items containing removable batteries, remove batteries before disposing of the product.