

ROBO-PRO
User Manual

Catalogue

7 Safty Checklist

- ◇ Please shut down the ROBO-PRO according to chapter 4.3 when you have finished cleaning the pool.
- ◇ Please inspect and clean the impeller & Guide Vane according to chapter 5.1, after use.
- ◇ If you are not going to use the ROBO-PRO for an extended period of time, make sure ROBO-PRO & Power Box is turned off, and store it in a dry, shady & well ventilated area, with a temperature range between 0-40°C.
- ◇ If you want to reuse ROBO-PRO after it has been stored for an extended period of time, please check the ROBO-PRO for visual damage (cracks & rust) prior to use. Once you are sure ROBO-PRO is free from damage, test run it, and if it performs as expected, then allow it to run automatically.
- ◇ If the ROBO-PRO requires repair, please contact your local distributor.

1 Safty warnings	1
2 Product Overview	2
2.1 Functions	2
2.2 Product Specifications	2
2.3 Parts List	3
3 Packing List	5
4 Product Operation	6
4.1 Power Connection	6
4.2 Start Up Procedure	7
4.3 Proper Shut Down and Care	8
4.4 Remote Control	9
4.5 Water Joint	10
5 Maintenance	11
5.1 Impeller	11
5.2 Sponge Wheel	12
5.3 Water Renting Board	16
5.4 Filter Bag	16
6 Troubleshooting and waring lights	17
7 Safty Checklist	19

1 Safety Warnings

Please read this manual carefully before using the ROBO-PRO.



Before performing maintenance or service on the ROBO-PRO please ensure the power is disconnected to avoid personal injury or property loss.



The ROBO-PRO is designed for use in swimming pools only. Any other use is prohibited and will void manufacturers' warranty.



Do not swim in the pool whilst the ROBO-PRO is in use in order to avoid personal injury.



Do not allow the Power Box to come in contact with water, and it is recommended to be placed in a shady, dry and ventilated area.



When in use, the Power Supply and Caddy Cart must remain 3 meters away from the edge of the pool.



Do not use the ROBO-PRO if there is a chance of thunder storm to avoid personal injury.



Users are only permitted to perform maintenance described in this manual. Any tampering with the Motor Box or Power Supply will void the warranty.



Ensure the ROBO-PRO is fully submerged before turning the power box on.



If the ROBO-PRO is not going to be used for a long time, make sure to disconnect the power, keep it clean and put it in a safe, dry and well-ventilated area.



If the ROBO-PRO stops working, please refer to section 6 "Troubleshooting". If you cannot find the root cause, please contact your local distributor.



The optimum working temperature for the ROBO-PRO is between 10°C and 32°C, avoid direct sunlight when not in use.



The ROBO-PRO is suitable for the swimming pools no **deeper than 3** meters.



Lift the ROBO-PRO out of the water using the robot handles, do not lift the iCleaner using the floating cable. Lifting via the cable voids warranty.



Do not cover this control box whilst robot is in use.

Indicator light	Failure	Solution
Green light flashing	The iCleaner has stopped due to lack of water	Return the robot to deeper water and restart
Yellow light flashing	The Motor Pump inside the robot has over heated	Contact the supplier for support
Blue light flashing	The robot is upside down	Turn the iCleaner over, and restart using the remote control or power switch
Blue and green lights flashing	The walking (drive wheel) motors are over loaded	1. Check the walking motors, Drive tracks and tacking belts for debris or damage. 2. Clear bebris or replace parts parts and restart the iCleaner.
Blue , green and yellow lights flashing	The water pump is over loaded	1. Turn the robot off, check the impeller for debris, or damage. 2. Clear or replace impeller, then restart the iCleaner.

6 Troubleshooting and Warning Lights

Commonfault	Reason	Solution	Remarks
ROBO-PRO doesn't work	The socket is not plugged in	Plug in the power lead	Please turn off the power before you perform any maintenance on the ROBO-PRO
	Connection is wrong	Check the connection	
Weak pumping	Impeller is jammed or dirty	Clean the Impeller	
	Impeller is damage	Replace the Impeller	
	Filter Bag is full	Clean the Filter Bag	
ROBO-PRO is turning to one side when it moves	Drive Belt is loosen or broken at one side	Replace the drive Belt	
	The Filter Bag is full	Clean Filter Bag	
ROBO-PRO will not climbs wall	Filter Bag is full	Clean the Filter Bag	
	Drive Belt is loosen or broken	Replace the Drive Belt	
	Sponge wheel wear	Replace the Sponge wheel	
	Axis sleeves wear	Replace axis sleeves	
ROBO-PRO will not sink to the bottom of the pool	The sponge wheel don't soak enough	You must hold cleaner in water and make sure sponge wheel soak enough, normal time is about 5-15 minutes	
	It has air inside the machine	Wobble ROBO-PRO and make sure air released	
Dirt is coming through the guide vane.	Belt of Filter Bag is loosen or broken. Dirt is too fine for the filter bag	Replace the broken filter bag or use a 20 μm filter bag	

Note: The Power Box MUST BE DISCONNECTED from the power supply prior to conducting any maintenance on the ROBO-PRO. Contact your local distributor, or place of purchase for problems not covered in Trouble Shooting Guide.

2 Product Overview

2.1 Functions

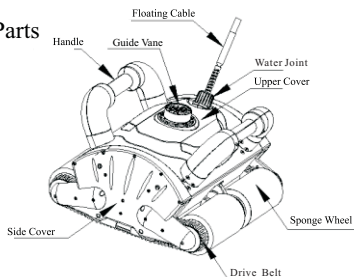
- ◇ Automatic cleaning: the default mode is automatic, however, this can be overridden using the Remote Control. When the Remote Control is not being used, the ROBO-PRO will return to automatic mode.
- ◇ Overall cleaning: the ROBO-PRO not only cleans the floor of your pool, it also cleans the wall, at the same time, the ROBO-PRO will filter water, and the dirt will be collected into Filter Bag.
- ◇ Timing cleaning: you can select one of three cleaning time with Remote Control (0.5h, 1hr or 2 h). The ROBO-PRO will shut down automatically when the selected cycle time is over.
- ◇ Manual cleaning: the Remote Control can be used to clean specific areas immediately.
- ◇ Self protection (out of water): Impeller decelerates to a stop in twenty five seconds if the ROBO-PRO senses it is no longer in water, to prevent personal injury and to protect the water pump.
- ◇ Stop protection: the ROBO-PRO will stop if foreign matter retards the Impeller.

2.2 Product Parameters

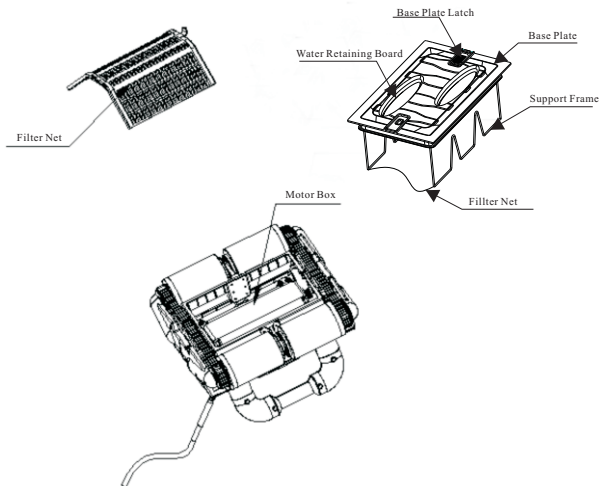
Model	ROBO-PRO
Input Voltage	100~240VAC, 50-60Hz
Rated Power	200W
Cycle Time	0.5Hr/1Hr/2Hrs
Floating Cable Standard Length	15m
Filter bag	Standard: 70um
Water Pump Capacity	18m ³ /h
Moving Speed	15m/min
Grade of Waterproof	Host: IP68 Power Box: IP23
Optimum Storage Temperature	0~40°C
Optimum Working Temperature	10~32°C
Dimension(L*W*H)	452.5*487.8*292mm
Packing Measurement(L*W*H)	574*574*413mm
Gross Weight	20.6kg

2.3 Parts List

Main Body Parts



(Pic.2.3.1)



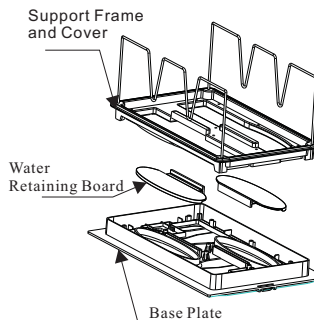
(Pic.2.3.2)

5.3 Water Retaining Board

Replace the Water Retaining Board if they are broken(Pic 5.3.1)

Step 1

※ Remove the base plate from the iCleaner and remove the filter bag, then dismantling the Support Frame and Cover. Finally, Replace the Water Retaining Board.



Pic.5.3.1 Replace the water retaining board

Step 2

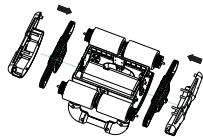
※ Reassembly the Support Frame and Cover, Water Retaining Board and Base Plate.

5.4 Filter Bag

When the Filter Bag is dirty as shown in pic. 5.4.1 or if the Filter Bag has been damaged, please refer to chapter 4.3.2 to replace Filter Bag.

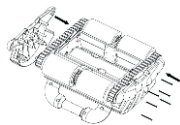


Pic.5.4.1 Filter Bag is full



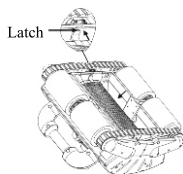
(Pic.5.2.7)

Step 7
 ※ Reassemble the Transmission components and Side Covers to the body of the unit.(Pic.5.2.7)



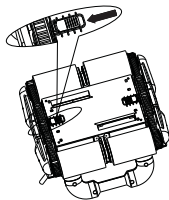
(Pic.5.2.8)

Step 8
 ※ Fasten the transmission components and side covers to the body of the unit using the nuts and bolts.(Pic.5.2.8)



(Pic.5.2.9)

Step 9
 ※ Put the Filter Net into the ROBO-PRO, press down on the filter net until the Latch locks into the bracket.the filter until the Latch locks into the bracket (Pic.5.2.9)

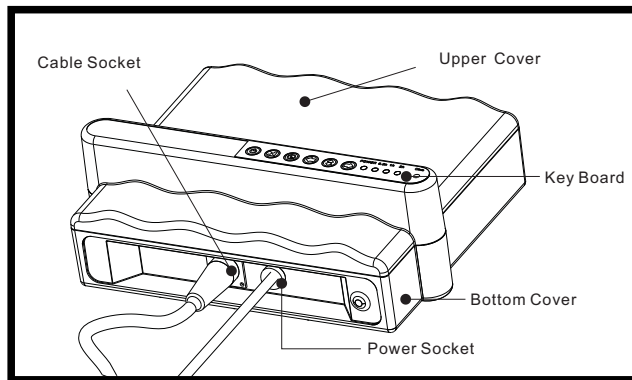


(Pic.5.2.10)

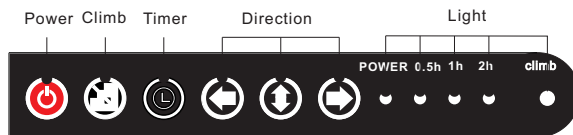
Step 10
 ※ Place the base Plate into ROBO-PRO, pressing down until the latches lock into place. (Pic.5.2.10)

※ Replacing the Sponge Wheels is now completed

※ Power Box Parts



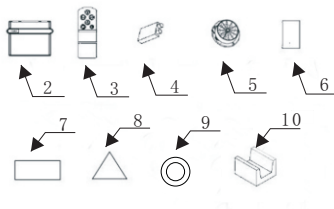
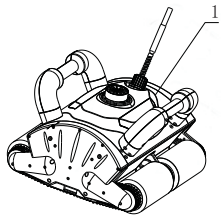
(Pic.2.3.3)



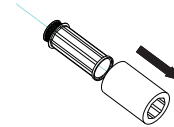
(Pic.2.3.4)

3 Packing List

Serial Number	Part Name	Quantity	Remarks
1	Unit Body	1	Host
2	Power Box	1	
3	Remote Control	1	
4	Battery	1	
5	Guide Vane	1	
6	User Manual	1	
7	Warranty Card	1	
8	Certificate of Quality	1	
9	Floating Cable	1	
10	Filter Bag 20 μ m	1	Spare Parts

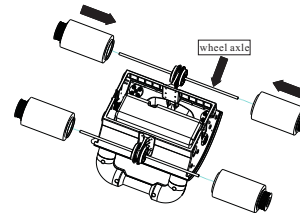


(Pic.3.2.1)



(Pic.5.2.5)

Step 5
 ※ Slide the old sponge wheels off, and replace with new sponge wheels(Pic.5.2.5)



(Pic.5.2.6)

Step 6
 ※ Assemble the Rolling Brush to the axle (Pic.5.2.6) .

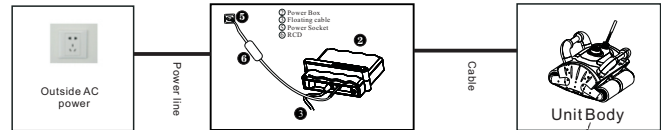
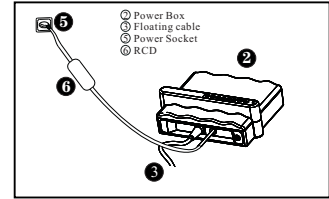
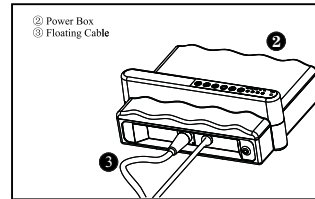
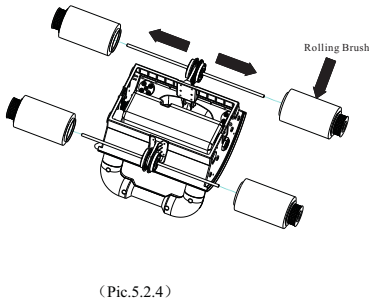
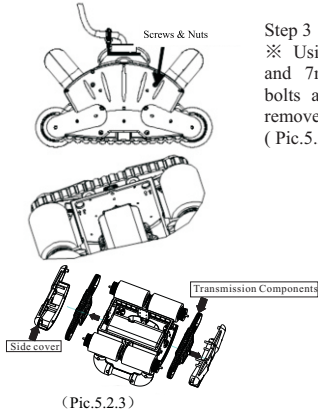
4 Product Operation

4.1 Power Connection

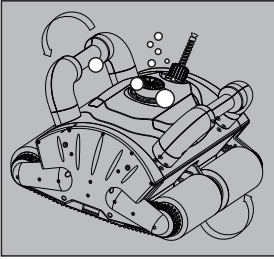
※ Please connect the Floating Cable to the Cable Socket of Power Box (see Pic. 4.1.1), then connect the Power Box to an outside AC power of 100v/240v 50/60Hz (see Pic.4.1.2). For the complete connection guide please refer Pic.4.1.3

Notices: Do not allow the Power Box to come in contact with water.

Please ensure the Power Box is Kept in a shady, dry & ventilated area.(Refer Page 1.Safety Warning)

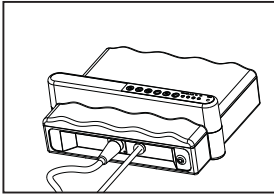


4.2 Start Up Procedure





(Pic.4.2.1)

- (1) When placing the ROBO-PRO in the pool: you must wobble the ROBO-PRO according Pic.4.2.1 to make sure the air inside is released when you put the ROBO-PRO in the water. So it will automatically sink to the bottom of pool.

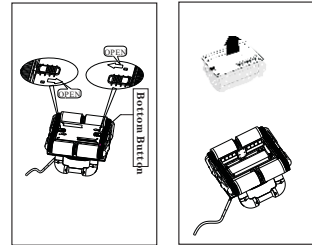


(Pic.4.2.2)

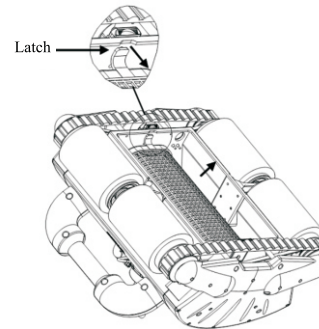
- (2) Start : press “” button, LED “power” indicator and “0.5H” cycle time LED will illuminate(see pic.4.2.2). you may select 0.5Hr, 1Hr or 2Hrs cleaning time using the “” button on the Remote Control and relative LED indicators will illuminate on the Power Box when selected.

5.2 Sponge Wheel

Replace the Sponge Wheels if they are badly worn or broken



(Pic.5.2.1)



(Pic.5.2.2)

Step 1

※ Invert the ROBO-PRO on the floor, remove the Base Plate.(Push latch to unlock the Base Plate).(Pic.5.2.1)

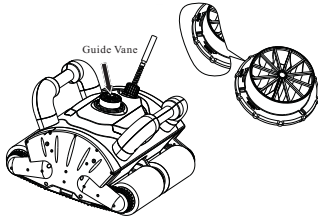
Step 2

※ Remove the Filter Net from the ROBO-PRO while pressing the Latch according to the diagram.(Pic.5.2.2)

5 Maintenance

5.1 Impeller

※ Change the Impeller if the old one gets worn or damage



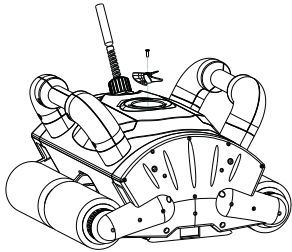
(Pic.5.1.1)

Step 1:

※ Rotate Guide Vane clockwise to remove from the ROBO-PRO.(Pic.5.1.1)

Step 2

※Use a Phillips head screw driver to remove the bolt in the Impeller according the diagram.(Pic.5.1.2)



(Pic.5.1.2)

Step 3

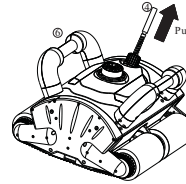
※Replace the new Impeller and assemble Impeller and Guide Vane

4.3 Proper Shut Down and Care



① Floating Cable
② Handle

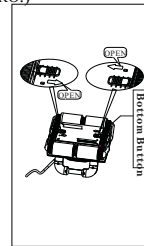
(1) To Shut Down the ROBO-PRO: turn the “⊙” on the Power Box to the off position, once the ROBO-PRO finishes working, pull the Floating Cable slowly until the Handle emerges from the water (Pic.4.3.1), and then pull the ROBO-PRO out of the pool by its Handle.



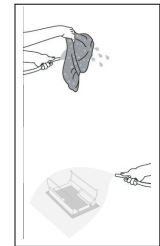
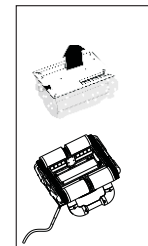
(Pic.4.3.1)

(2) Clean ROBO-PRO: Invert the ROBO-PRO gently onto the floor, unlock the Latch on the Base Plate (Pic4.3.2) and remove the Filter Bag from Base Plate, clean the Filter Bag (Pic.4.3.3), once place the Filter Bag on its frame, reassemble the Base Plate and put it back into the ROBO-PRO once the Filter Bag is dry.

(Note: When re-fitting the Filter Bag to the Base Plate, please ensure the long sides of the Filter Bag are smooth to ensure an easy fit into the base of the ROBO-PRO.)

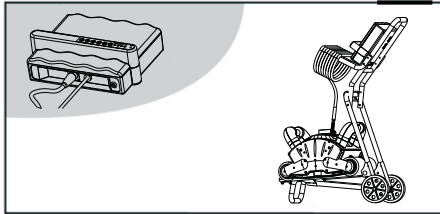


(Pic.4.3.2)



(Pic.4.3.3)




(3) ROBO-PRO Storage: When the ROBO-PRO is dry, disconnect the floating cable reel it in hand-over-hand and place on the ROBO-PRO, then store the ROBO-PRO in a dry, well-ventilated area. If you have the Caddy, please put the ROBO-PRO & Floating Cable on to the Caddy Cart, details please refer Pic.4.3.4

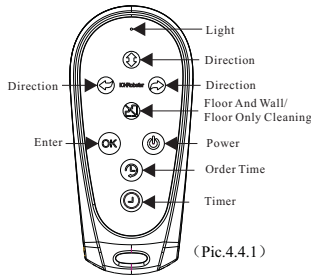


(Pic.4.3.4)

4.4 Remote Control

The Remote Control (Pic.4.5.1) includes:

- On/Off Power Button 
- LED Light Indicator
- Direction Button
- Floor and Wall/Floor Only Cleaning 
- Order Time Button 



(Pic.4.4.1)


On/Off Power Button:

Turn on or turn off Pool Cleaner

Direction Button:


Control Pool Cleaner's movement Backward  , Left Rotation  and Right Rotation 

Timer Button


Press the button "

" to select the time 0.5h\1h\2h.

Floor and wall/ Floor Only Cleaning

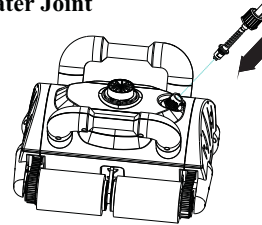
Clean the "Floor and Wall" press 

 .

Return to "Floor Only Cleaning" press 

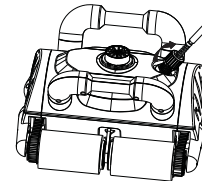
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4.5 Water Joint



Step 1
 ※ Insert water joint into ROBO-PRO.
 (Pic.4.5.1)

(Pic.4.5.1)



Step 2
 ※ Screw down the Lock Nut clockwise. (Pic.4.5.2)

(Pic.4.5.2)