

Robo-Max

User Manual

October 2022

Catalogue

7 Safety Checklist

- ◇ Please shut down the Pool Cleaner 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 Pool Cleaner for an extended period of time, make sure Pool Cleaner & 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 Pool Cleaner after it has been stored for an extended period of time, please check the Pool Cleaner for visual damage (cracks & rust) prior to use. Once you are sure Pool Cleaner is free from damage, test run it, and if it performs as expected, then allow it to run automatically.
- ◇ If the Pool Cleaner requires repair, please contact your local distributor.

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1 Safety Warnings

Please read this manual carefully before using the Pool Cleaner.



Before performing maintenance or service on the Pool Cleaner please ensure the power is disconnected to avoid personal injury or property loss.



The Pool Cleaner 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 Pool Cleaner 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 Pool Cleaner 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 Pool Cleaner is fully submerged before turning the Power Box on.



If the Pool Cleaner 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 Pool Cleaner 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 Pool Cleaner is between 10°C and 32°C, avoid direct sunlight when not in use.



The Pool Cleaner is suitable for the swimming pools no deeper than 3 meters.



Lift the Pool Cleaner out of the water using the robot handles, do not lift the Pool Cleaner using the Floating Cable. Lifting via the cable voids warranty.

| Indicator Light | Failure | Solution |
|---|---|---|
| Green light flashing | The Pool Cleaner has stopped due to lack of water | Return the robot to deeper water and restart |
| Yellow light flashing | The Pump Motor has over heated | Contact the supplier for support |
| Blue light flashing | The robot is upside down | Turn the Pool Cleaner over, and restart using the Remote Control or Power Switch |
| Blue and green lights flashing | The Walking (Drive Wheel) Motors are overloaded | 1、 Check the Walking Motors, Drive Tracks and Tracking Belts for debris or damage. 2、 Clear debris or replace parts and restart the Pool Cleaner |
| Blue , green and yellow lights flashing | The Pump Motor is overloaded | Turn the robot off, check the Impeller for debris, or damage. Clear or replace Impeller, then restart the Pool Cleaner. |

6 Troubleshooting and Warning Lights

| Commonfault | Reason | Solution | Remarks |
|--|---|--|--|
| Pool Cleaner 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 Pool Cleaner |
| | Connection is wrong | Check the connection | |
| Weak Pumping | Impeller is jammed or dirty | Clean the Impeller | |
| | Impeller is damaged | Replace the Impeller | |
| | Filter Bag is full | Clean the Filter Bag | |
| Pool Cleaner 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 | |
| Pool Cleaner will not climbs wall | The Filter Bag is full | Clean 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 | |
| Pool Cleaner 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 Pool Cleaner 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 | |

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

2 Product Overview

2.1 Functions

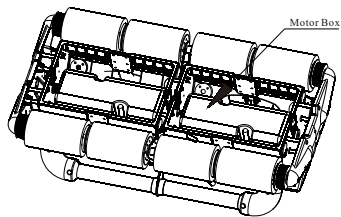
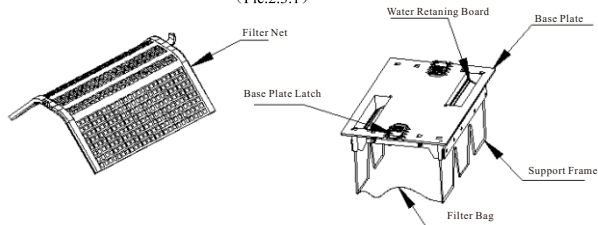
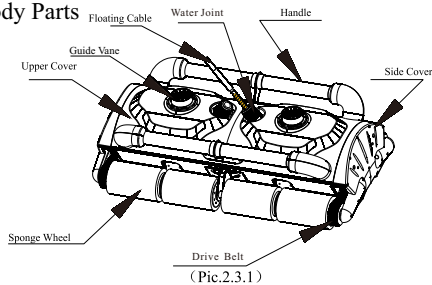
- ◇ Automatic Cleaning: the default mode is automatic, however, this can be overridden using the Remote Control. When the Remote Control is not being used, the Pool Cleaner will return to automatic mode.
- ◇ Overall Cleaning: the Pool Cleaner not only cleans the floor of your pool, it also cleans the wall, at the same time, the Pool Cleaner 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 (4h, 6h or 8 h). The Pool Cleaner will shut down automatically when the selected cycle time is over. The Power Box must be turned of manually.
- ◇ 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 Pool Cleaner senses it is no longer in water, to prevent personal injury and to protect the Water Pump.
- ◇ Stop Protection: the Pool Cleaner will stop if foreign matter retards the Impeller.

2.2 Product Parameters

| Model | Pool Cleaner |
|--------------------------------|---------------------|
| Input Voltage | 100~240VAC, 50-60Hz |
| Rated Power | 350W |
| Cycle Time | 1Hrs/2Hrs/4Hrs |
| Floating Cable Standard Length | 40m |
| Filter Bag | 70um |
| Water Pump Capacity | 40m ³ /h |
| Moving Speed | 15m/min |
| Grade of Waterproof | Host: IP68 |
| Storage Temperature | 0~40°C |
| Optimum Working Temperature | 10~32°C |
| Dimension (L*W*H) | 845.8*264*452.5mm |
| Packing Measurement(L*W*H) | 931*574*433mm |
| Gross Weight | 37.5kg |

2.3 Parts List

※ Main Body Parts



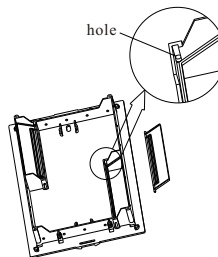
(Pic.2.3.2)

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 Pool Cleaner and remove the Filter Bag, then open the Water Retaining Board to the vertical position and carefully slide the Water Retaining Board to one end, remove the Water Retaining Board carefully.

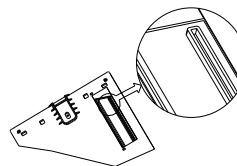


Pic.5.3.1 Replace the water retaining board

Step 2

※ Insert one end of the Water Retaining Board into the locating holes on the Base Plate, then insert the other end of the Water Retaining Board into the Base Plate, and make sure the Water Retaining Board does not have a bend in it (if it does, gently push the hinged edge, until it clicks into position).

Note: The Water Retaining Board is fitted correctly, please refer to pic.5.3.2



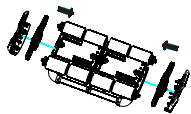
Pic.5.3.2

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

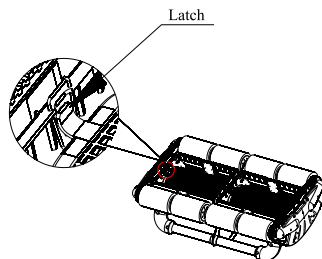
※ Reassemble the Transmission Components and side covers to the body of the unit (Pic.5.2.7)



(Pic.5.2.8)

Step 8

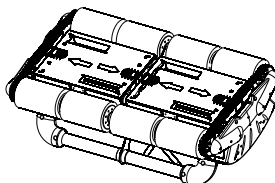
※ Fasten the Transmission Components and Side Covers to the body of the unit using the nuts and bolts (Pic.5.2.8)



(Pic.5.2.9)

Step 9

※ Put the Filter Net into the Pool Cleaner, Press down on the Filter net until the Latch Locks into the Bracket. (Pic.5.2.9)



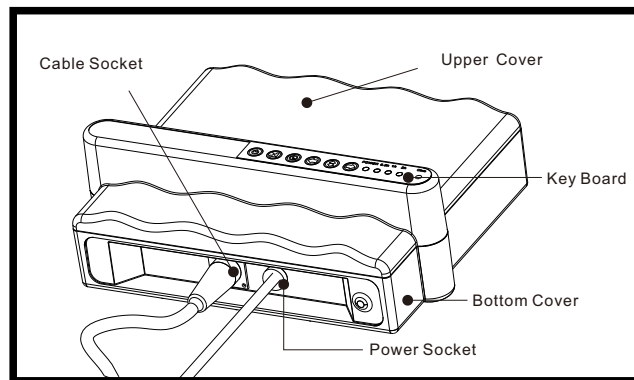
(Pic.5.2.10)

Step 10

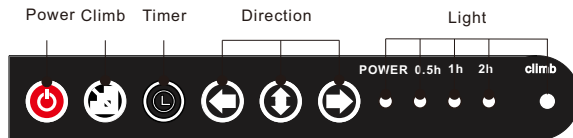
※ Place the Base Plate into Pool Cleaner, pressing down until the Latches Lock into place (Pic.5.2.10)

※ Replacing the Sponge Wheels is now complete.

※ Power Box Parts



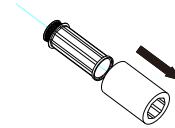
(Pic.2.3.3)



(Pic.2.3.4)

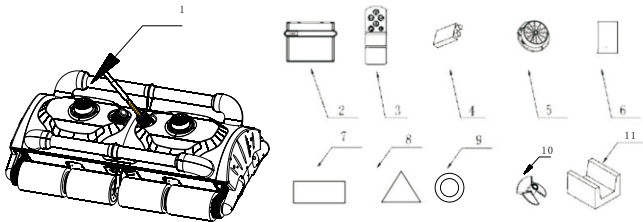
3 Packing List

| 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 | 2 | |
| 6 | User Manual | 1 | |
| 7 | Warranty Card | 1 | |
| 8 | Certificate of Quality | 1 | |
| 9 | Floating Cable | 1 | |
| 10 | Impeller | 2 | Spare Parts |
| 11 | Filter Bag 20 μ m | 2 | |

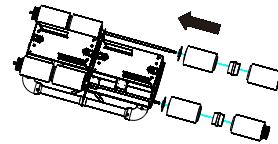


(Pic.5.2.5)

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



(Pic.3.2.1)



(Pic.5.2.6)

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

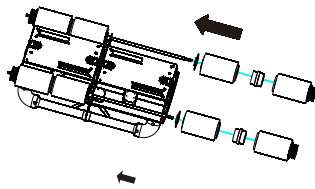
4 Product Operation

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

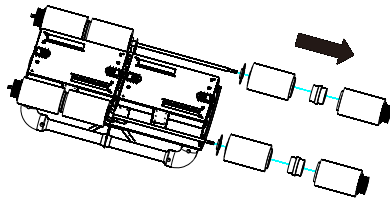
Notices: Do not allow the Power Box to come in contact with water.

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



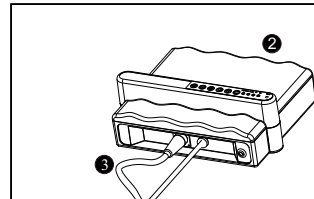
Step 3
 ※ Using a Phillips Head Screwdriver and 7mm Ring Spanner undo the six bolts and nuts on the Side Cover, to remove the Side Cover. (Pic.5.2.3)

(Pic.5.2.3)

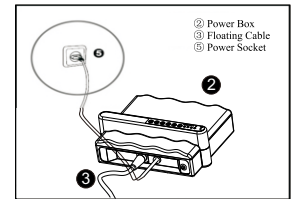


Step 4
 ※ Remove the Rolling Brush. (Pic.5.2.4)

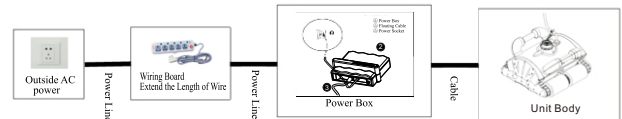
(Pic.5.2.4)



(Pic.4.1.1)

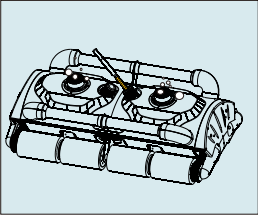


(Pic.4.1.2)



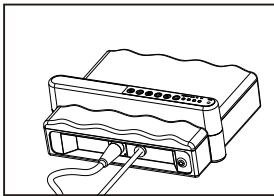
(Pic.4.1.3)

4.2 Start Up Procedure





(Pic.4.2.1)

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

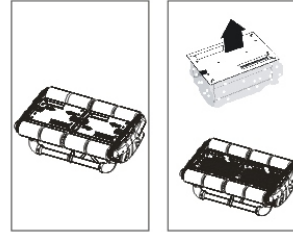


(Pic.4.2.2)

- (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

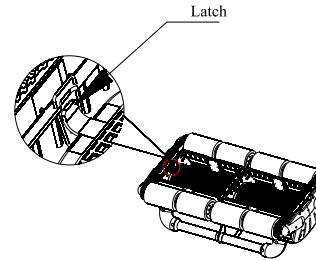
- ※ Replace the Sponge Wheels if they are badly worn or broken



(Pic.5.2.1)

Step 1

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



(Pic.5.2.2)

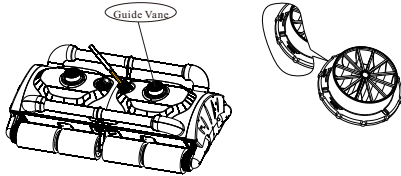
Step 2

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

5 Maintenance

5.1 Impeller

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



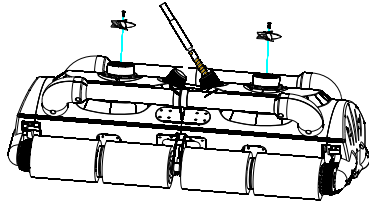
(Pic.5.1.1)

Step 1:

※ Rotate Guide Vane clockwise to remove from the Pool Cleaner.(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)

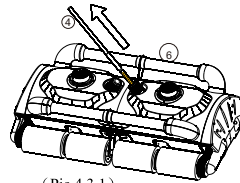
Step 3

※ Replace the new Impeller and assemble Impeller and Guide Vane

4.3 Proper Shut Down and Care



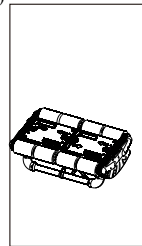
(1) To Shut Down The Pool Cleaner: turn the "ⓐ" on the Power Box to the off position, once the Pool Cleaner finishes working, pull the Floating Cable slowly until the Handle emerges from the water (Pic.4.3.1), and then pull the Pool Cleaner out of the pool by its Handle.



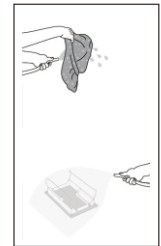
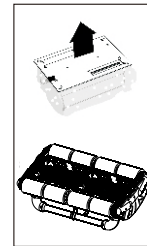
(Pic.4.3.1)

(2) Clean Pool Cleaner: Invert the Pool Cleaner 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 Pool Cleaner 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 Pool Cleaner.)

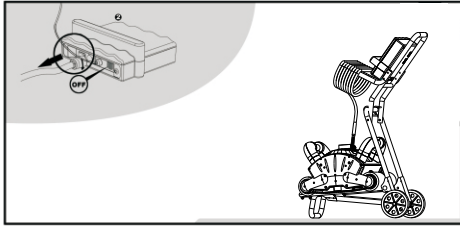


(Pic.4.3.2)



(Pic.4.3.3)

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

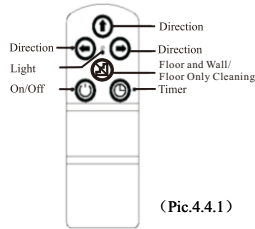


(Pic.4.3.4)

4.4 Remote Control

The Remote Control (Pic.4.4.1) includes:

- On/Off Power Button
- LED Light Indicator
- Direction Button
- Timer Button
- Floor Only Cleaning



(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 (➡️)

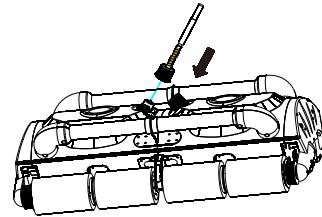
Timer Button ⌚ :

Select the timing mode from 4hours, 6 hours and 8hours

Floor Only Cleaning 🌀 :

To clean the "Floor Only" press 🌀. To return to floor and wall cleaning, turn the Pool Cleaner off, then on using the Remote Control ⌚.

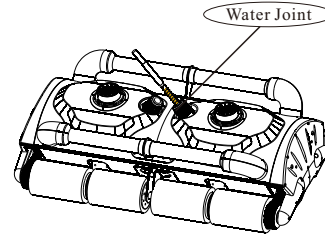
4.5 Water Joint



(Pic.4.5.1)

Step 1

※ Insert water Joint into Pool Cleaner. (Pic.4.5.1)



(Pic.4.5.2)

Step 2

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