



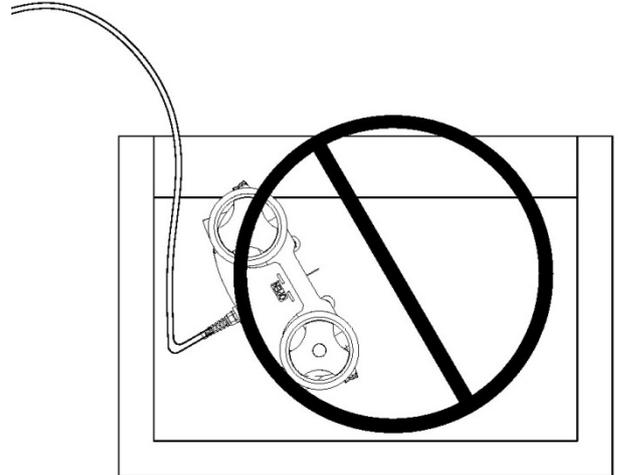
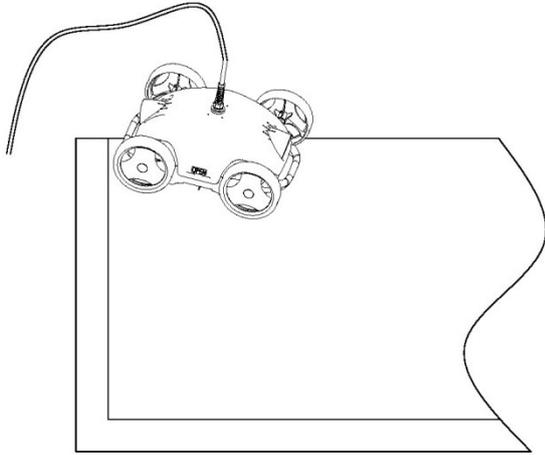
### **Important Precautions**

1. This model applies to swimming pool with flat floor.
2. Do not power on the unit when it is outside of the water.
3. Do not operate the cleaner when there is people in pool.
4. The filter tray should be cleaned after use. This will prevent the dirty filter tray affecting the normal operation of the cleaner.
5. The cleaner should be stored in a cool and ventilated place, away from direct sunlight.
6. Please close the main pool filtration system before use this cleaner.
7. Only authorized personnel should open the cleaner's motor assembly and battery pack, fail to do which will cause a invalid warranty.
8. Slightly water pollution may occur in case grease in motor seal oil leaks.
9. Use original and authorized adapter only, warranty dose not cover the risk of using unauthorized adapter to charge the battery.
10. Never charge the battery when cleaner in water, charge the battery indoor and make sure at least 3.5m away from pool edge.
11. Never power on the battery when in charge.
12. Make sure close and tighten the charging cover on the battery charging socket before use.
13. Do not use the cleaner when environment temperature is over 60°C, do not charge the battery when temperature is bellow 0°C.
14. Avoid touching the battery pack by sharp items, do not throw out or impact the battery pack.
15. If the battery pack and cleaner need to be stored over 3 months, please put it in an environment with temperature of 23±5°C, humidity of 65±20%RH, and make sure the remaining battery capacity is over 80%, suggest charge the battery every 3 months.
16. Do not use the cleaner beyond the working environment/conditions stated in this manual. Read this manual carefully before use.

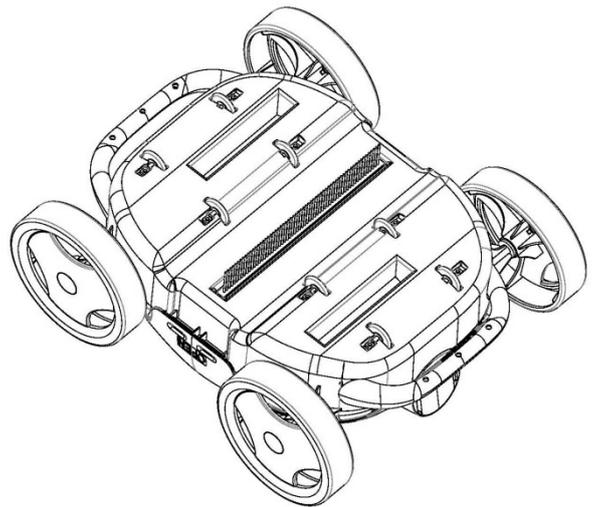
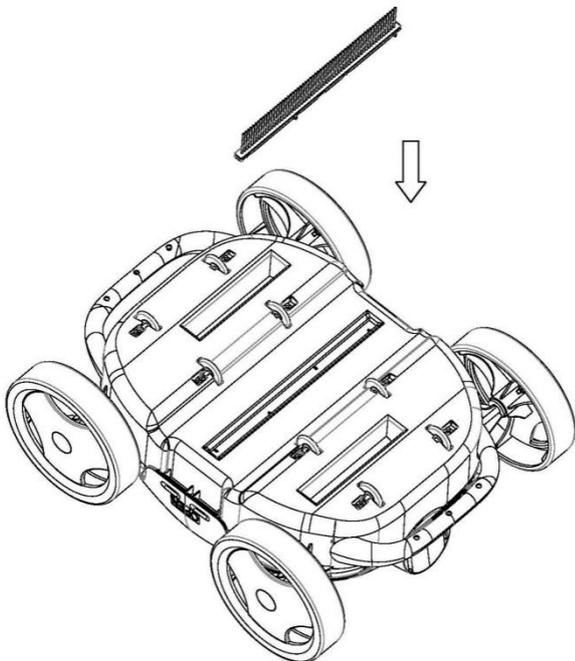
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## Note

1. Putting into or lifting out from pool with the cleaner bottom toward the wall to avoid any possible scratch to the pool surface.



2. Install the brush before use to avoid possible dirt leaks.



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## I . Introduction:

The automatic swimming pool floor cleaner HJ1107 is a new type of highly efficient swimming pool cleaning equipment. Through its advanced computer controlled program, it can clean the pool floor automatically without draining pool water. At the same time, it filters the pool water and gets rid of suspended particles and sediments.

For safe operation, the cleaner powered by 22.2V 8.8AH.Lithium battery pack.

**Please read this instruction manual carefully before use.**

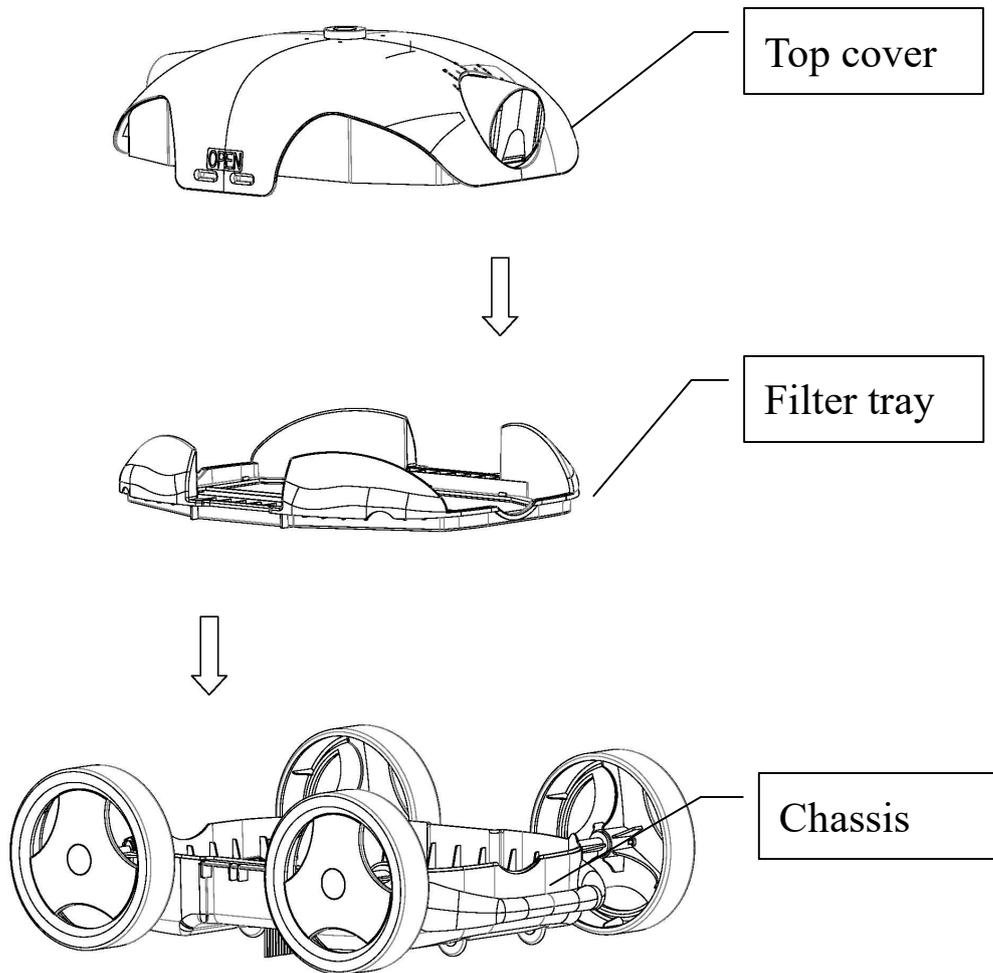
## II . Safety:

- 1, Position requirement of battery pack: Refer to item 10 in "Important Precautions".
- 2, Use original and authorized adapter only, and do not use this adapter to charge other battery.
- 3, Do not use the cleaner when in charge.
- 4, Make sure close and tighten the charging cover on the battery charging socket before use.
- 5, Please store the battery pack within environment temperature of  $-10^{\circ}\text{C}\sim 45^{\circ}\text{C}$ , If the battery pack and cleaner need to be stored over 3 months, please put it in an environment with temperature of  $23\pm 5^{\circ}\text{C}$ , humidity of  $65\pm 20\%\text{RH}$ , and make sure the remaining battery capacity is over 80%; please recharge and release the battery at least 1-3 times for an optimal capacity recovery.
- 6, Using protective package for safety in transportation.
- 7, Avoid touching the battery pack by sharp items, do not throw out or impact the battery pack.
- 8, Do not use the cleaner when environment temperature is over  $60^{\circ}\text{C}$ ,
- 9, Do not charge the battery when temperature is bellow  $0^{\circ}\text{C}$

## III. Specifications:

- 1, Rated input voltage and frequency of adapter: 100-240V AC, 50/60Hz
- 2, Max charging Voltage of adapter:  $25.2\text{V}\pm 0.2\text{V DC}$ ;
- 3, Charging Currency: 3.0A
- 4, Battery duration: Max 1.5 hours;
- 5, Filtering capacity:  $20\text{m}^3/\text{h}$
- 6, Filter density:  $180\mu\text{m}$ ;
- 7, Creeping speed:  $20\text{m}/\text{min}$
- 8, IP Grade: Cleaner-IPX8
- 9, Maximum pool depth: 2m
- 10, Remote distance:  $>10\text{m}$ ;
- 11, Working temperature: Charging- $0\sim +40^{\circ}\text{C}$ ; Release:  $-20\sim +60^{\circ}\text{C}$

## IV. Cleaner Structure



Assemble the cleaner according to above structure

## V. Operation Instruction

### 5.1 Panel

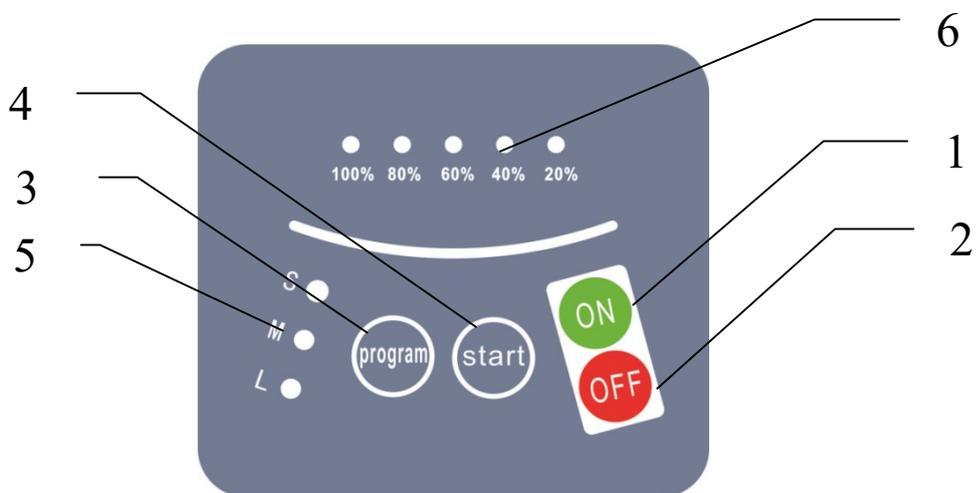
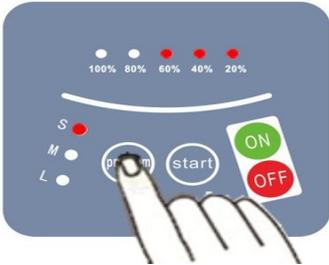
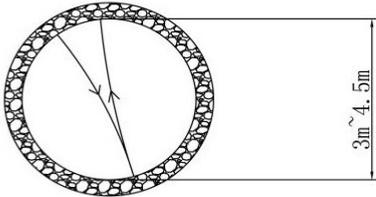
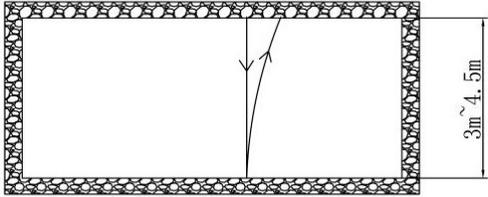
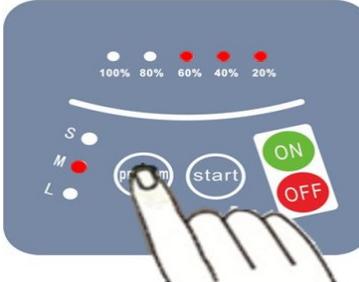
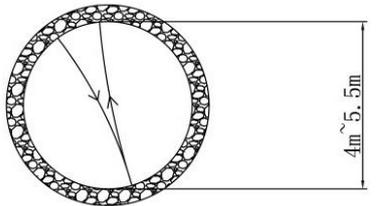
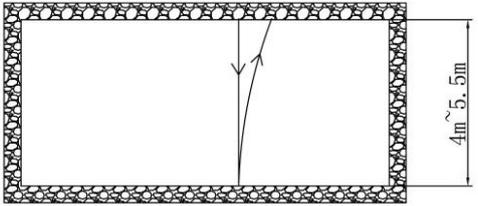
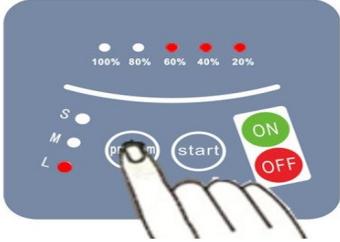
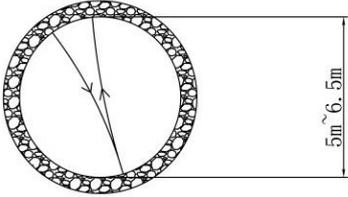
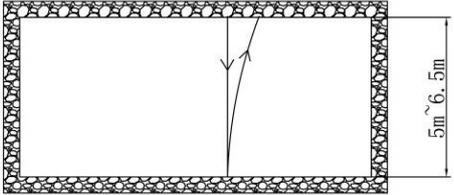


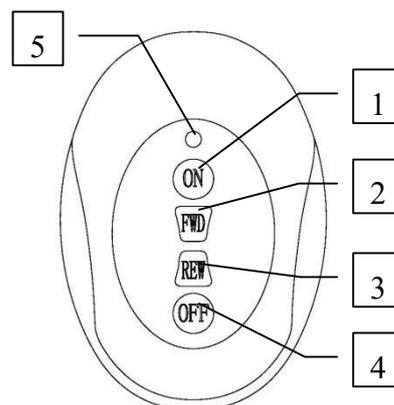
Chart 5-1 Buttons & indicator lights instructions

Item	Name	Function	Instruction
1	ON	Power on	
2	OFF	Power off	
3	Program	Pool size selection	Chose the proper program based on pool size
			<p>S Moving direction reverses every 18 seconds, ideal for pool size:</p>  
	<p>M Moving direction reverses every 23 seconds, ideal for pool size:</p>  		

			<p>L Moving direction reverses every 28 seconds, ideal for pool size:</p>  
4	START	Start working	Press this button and the cleaner starts working in selected program, corresponding indicator light will flash
5	Indicator light		<ul style="list-style-type: none"> <li>● Corresponding light flashes when the cleaner works in selected program (pool size)</li> <li>● When battery is depleting, cleaner moves in single direction till it touches wall, indicator of S/M/L flashes in sequence, while the indicator S/L flashes in sequence once the cleaner touches the wall</li> <li>● When operated by remote control, cleaner moves forward with S/M/L flashes in sequence, or backward with L/M/S flashes in sequence.</li> <li>● Indicator of selected program flashes rapidly when fault occurs (overload, short circuit ), twice per second.</li> </ul>
6	Indicator light	Remaining battery capacity indicator	Showing the remaining battery capacity

## 5.2 Remote control

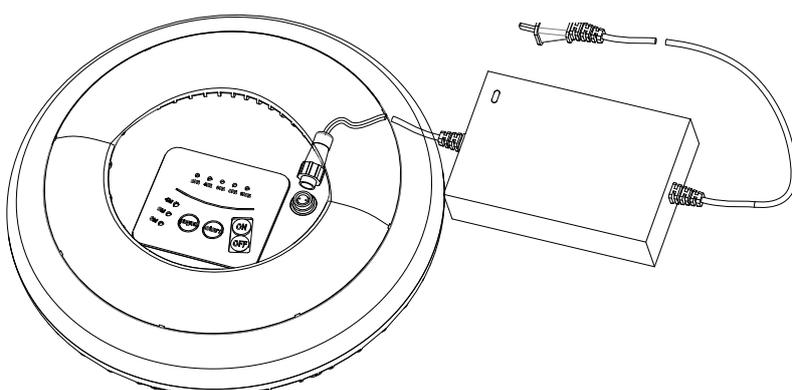
Item	Name	Function	Instruction
1	ON	Automatic program	Cleaner works automatically
2	FWD	Manual forward	Cleaner moves forward
3	REW	Manual backward	Cleaner moves backward
4	OFF	Stop	Cleaner stops working
5		Indicator light	



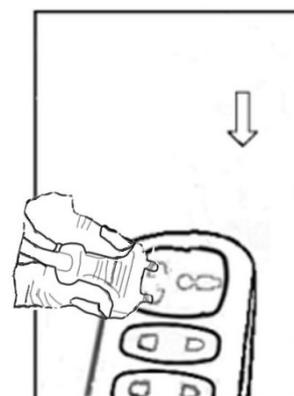
## 5.3 Battery charging

5.3.1 Lift out the cleaner out of pool before charge the battery

5.3.2 Connect to adapter



5.3.3 Connect to home power

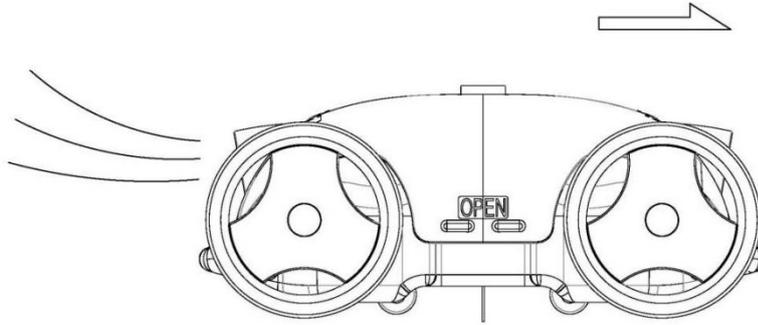


5.3.4 Indicator of adapter

Indicator light color	Status
Steady Green	Ready for charging/no connection with battery/Finish
Flashing red (triple times per second)	Charging on low currency (0.75A±0.1A)
Flashing red (once per second)	Normal charging (3.0A±0.3A)
Flashing orange	Faulty battery

## 5.4 Function and adjustment of nozzle

There are two nozzles on the cleaner, one of them opens once the other closes. Water flows out through the opening nozzle to thrust the cleaner move forward. Adjust the nozzle by rotating it to control the moving path.



### 5.4.1, Settings of nozzle

Nozzle angle from 0° to 60°

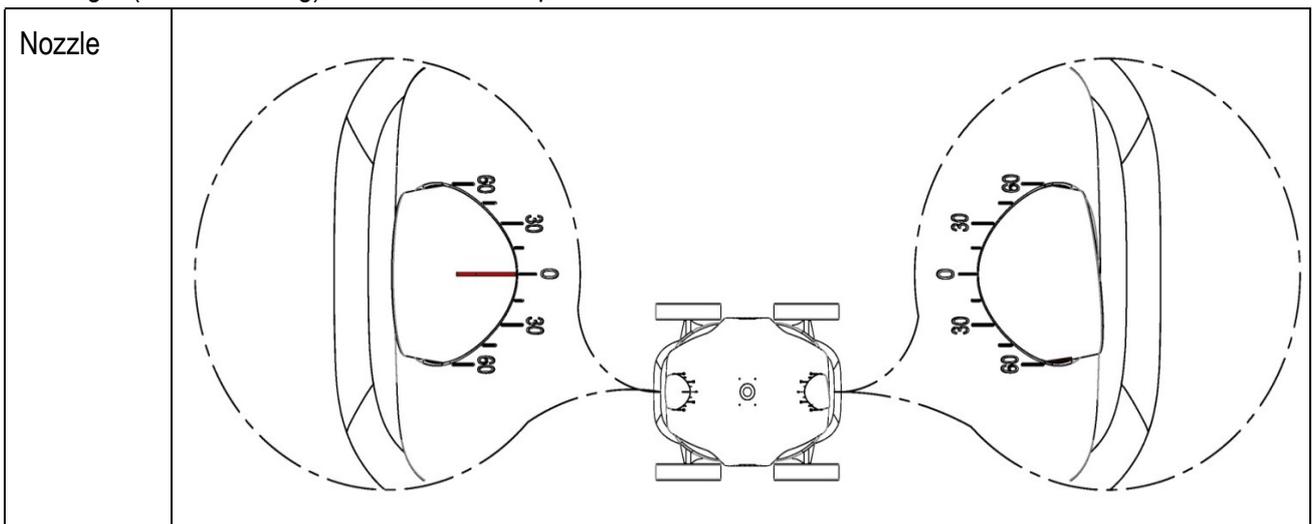
Cleaner moves in approximately straight line when nozzles in position 0°.

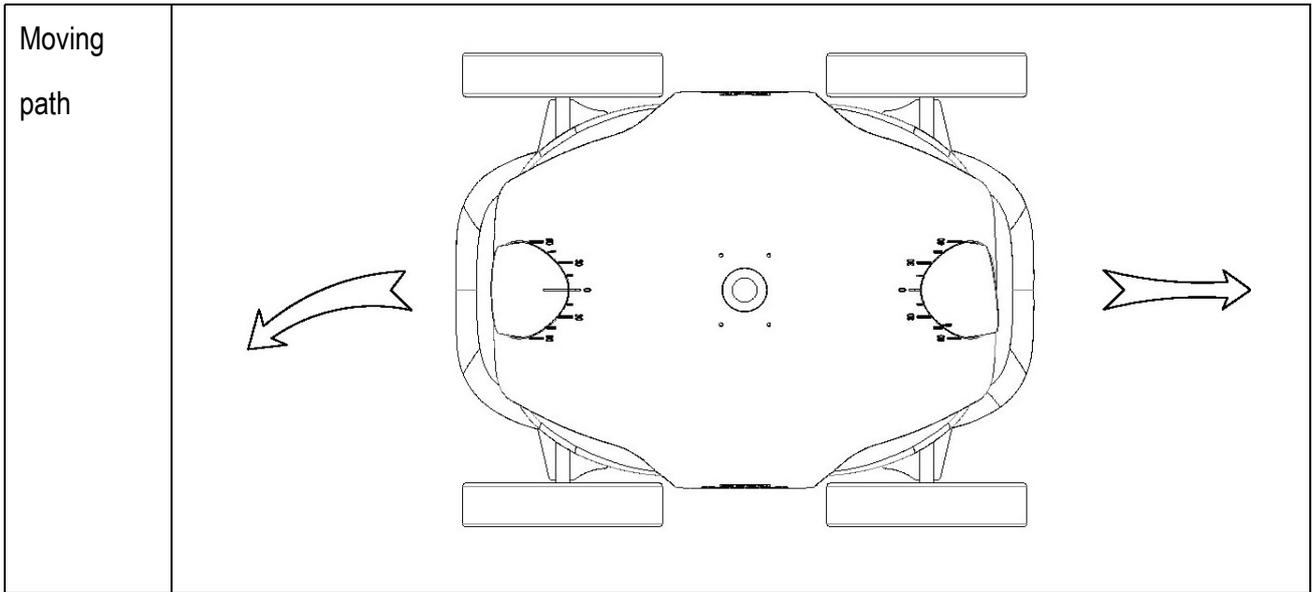
Cleaner moves in a more curved line at a larger angle from 0°—60°.

Note: A full coverage is not guaranteed for some of free shape pools.

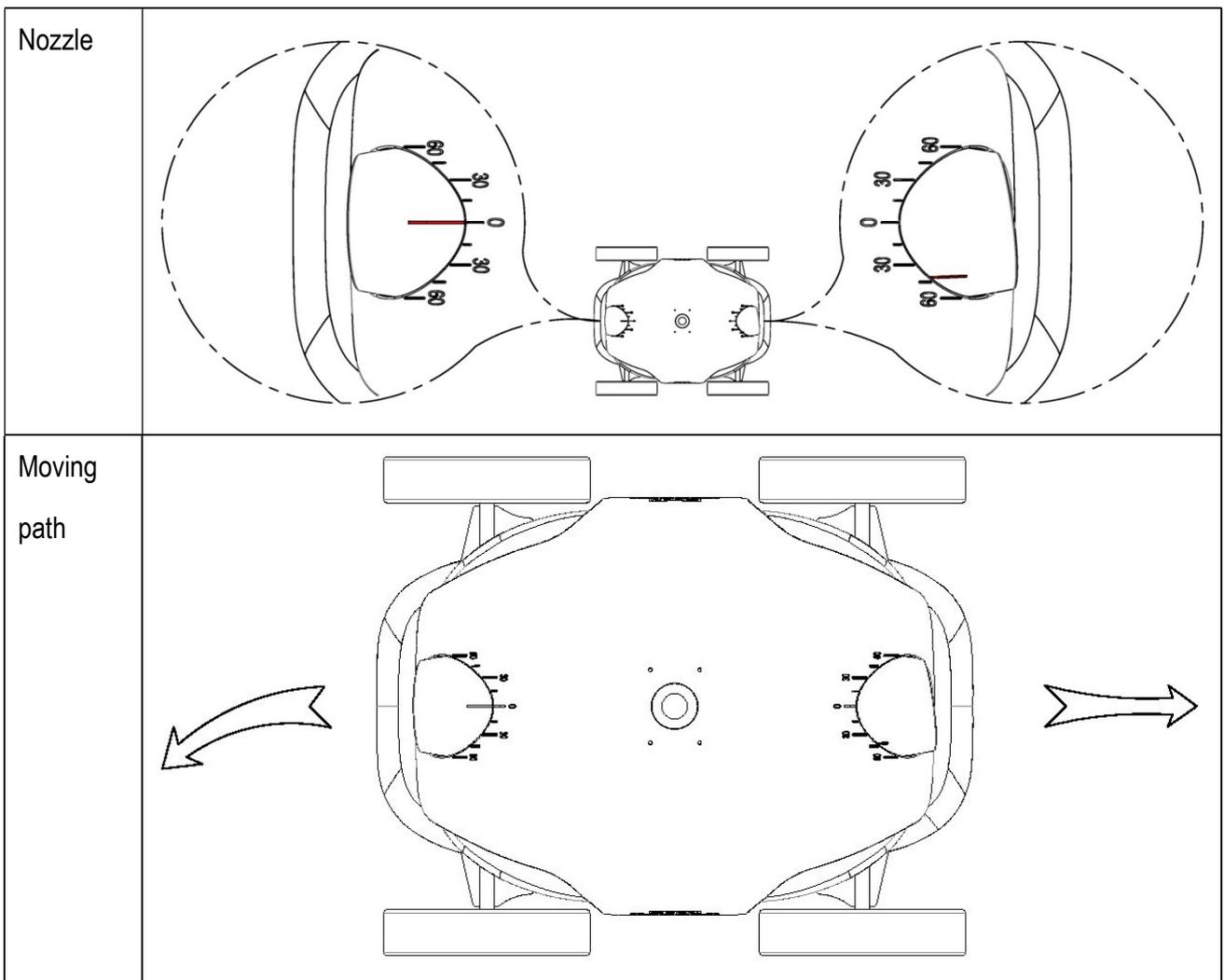
### 5.4.2, Recommended cycle and nozzle settings:

Setting 1 (Default Setting), 0°/ 60°, for most pools.

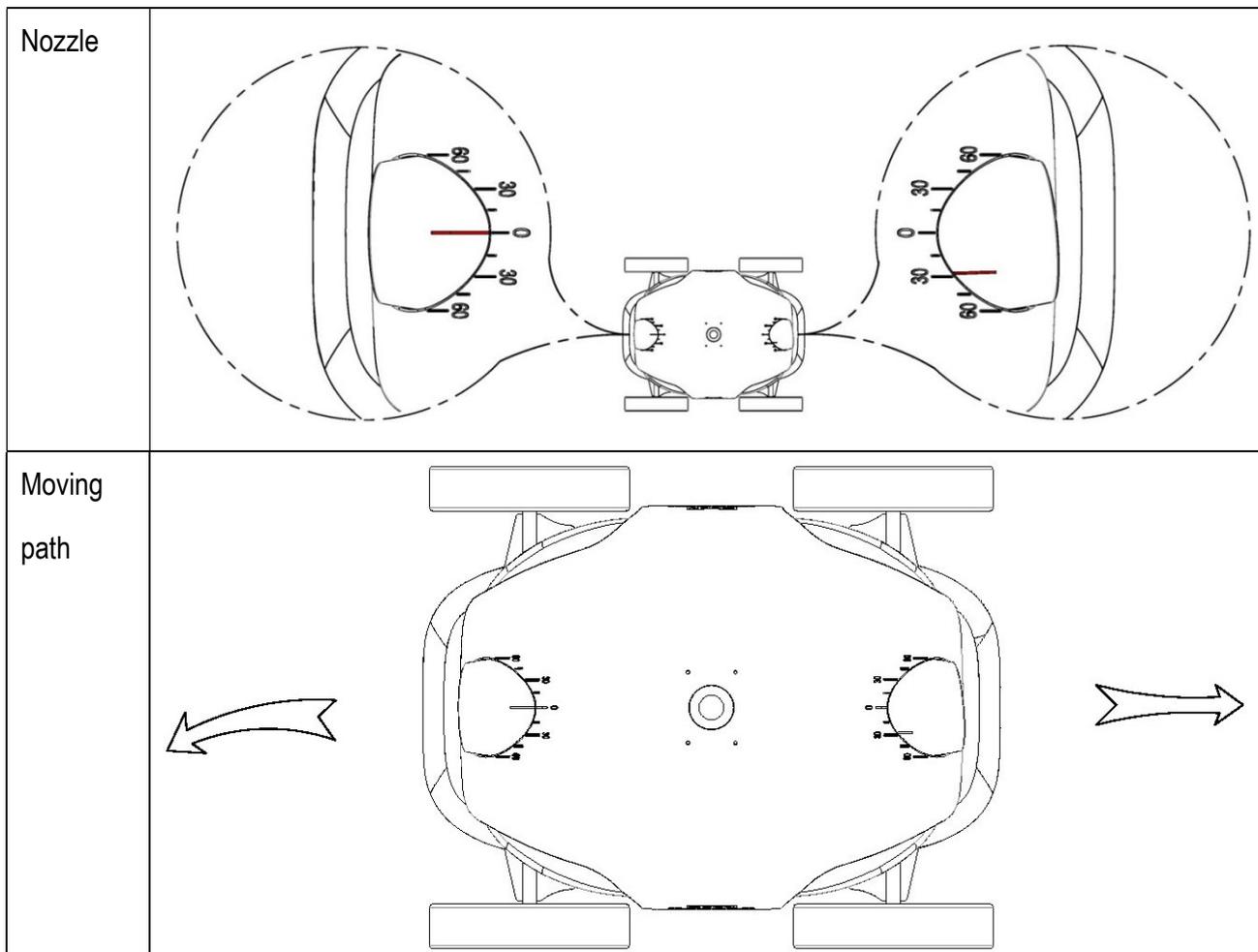




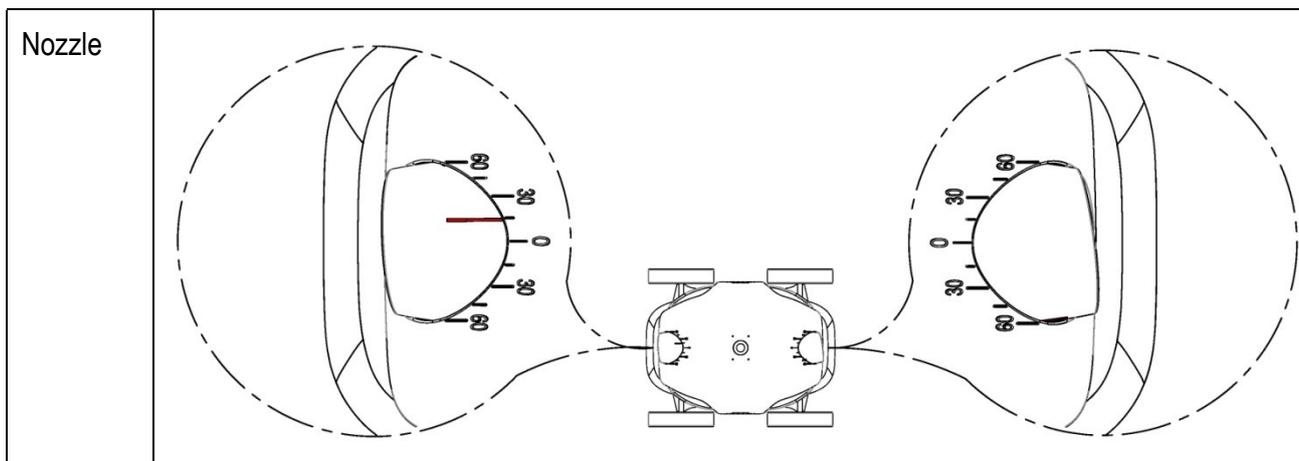
Setting 2; 0°/ 45° When the cleaner move in too much curved line to cover the pool.

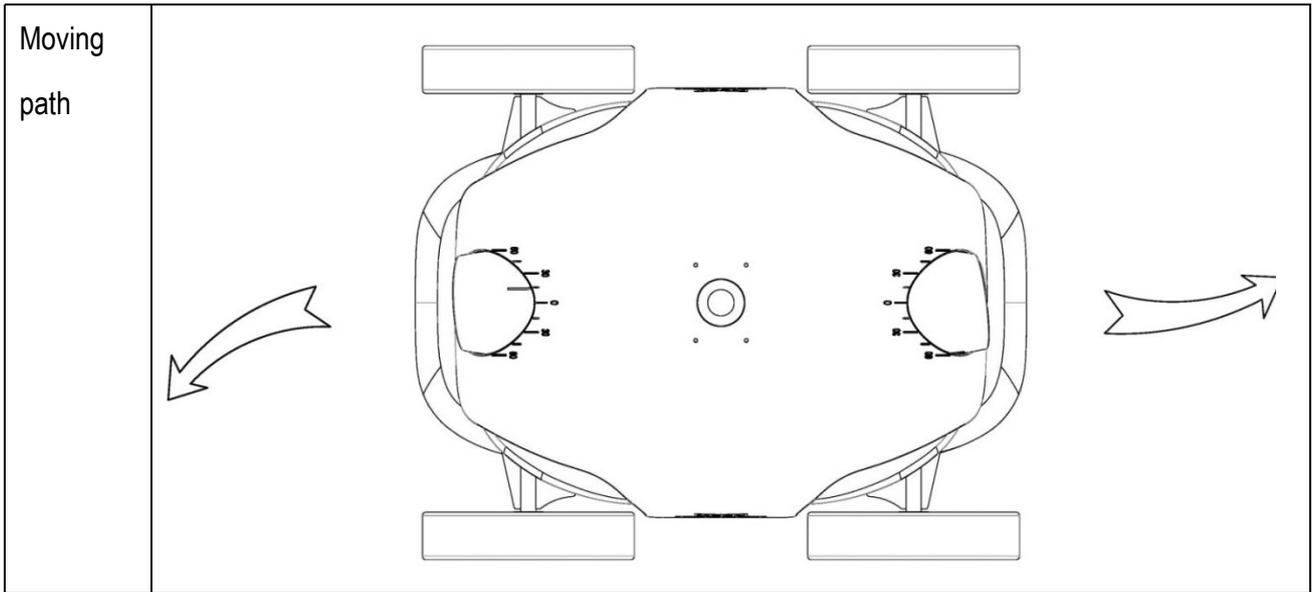


Setting 3; 0° / 30° , When the cleaner still moves in too much curved line to cover the pool by above settings.

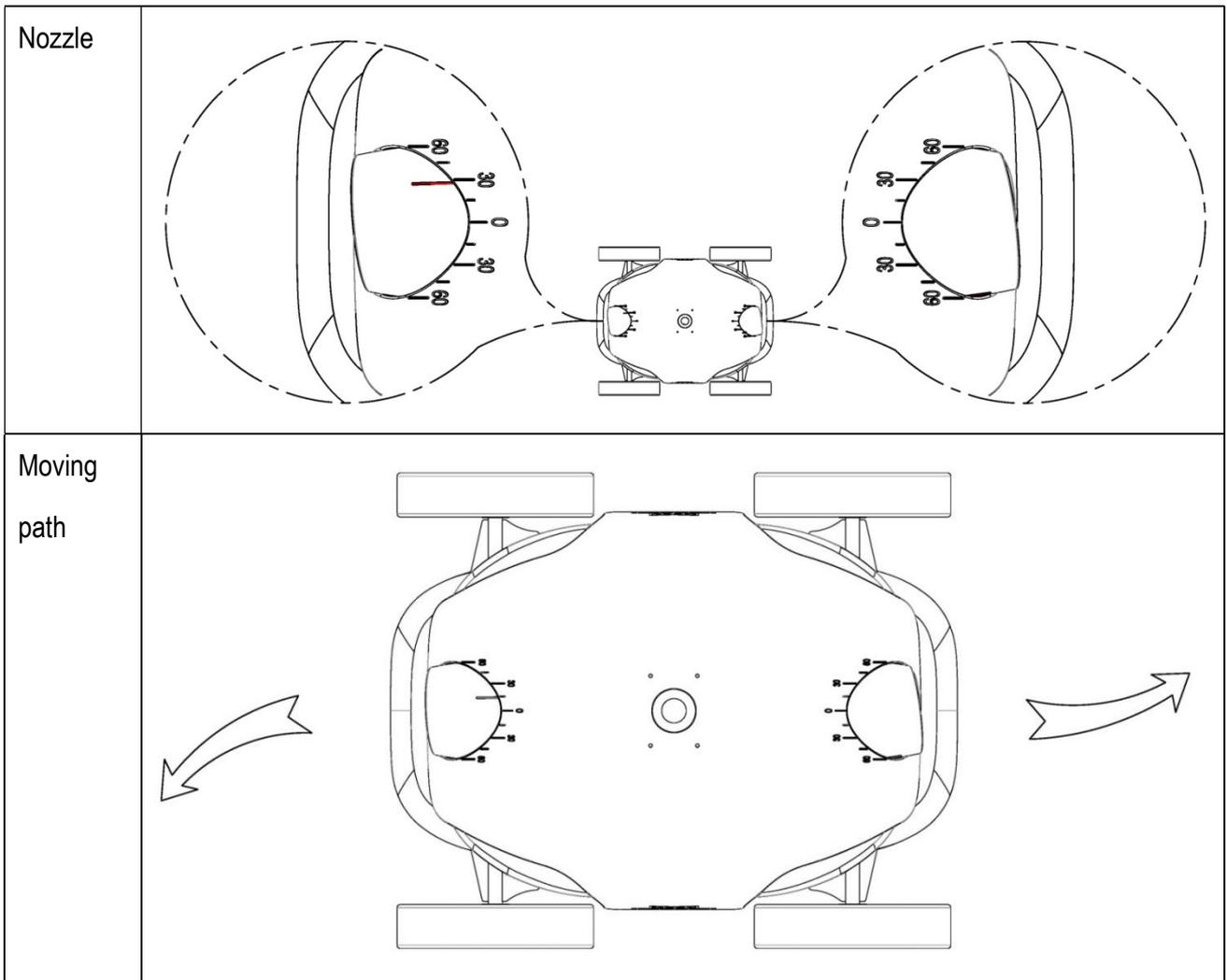


Setting 4: 15° / 60° when the cleaner need to move in more curved line to cover the pool

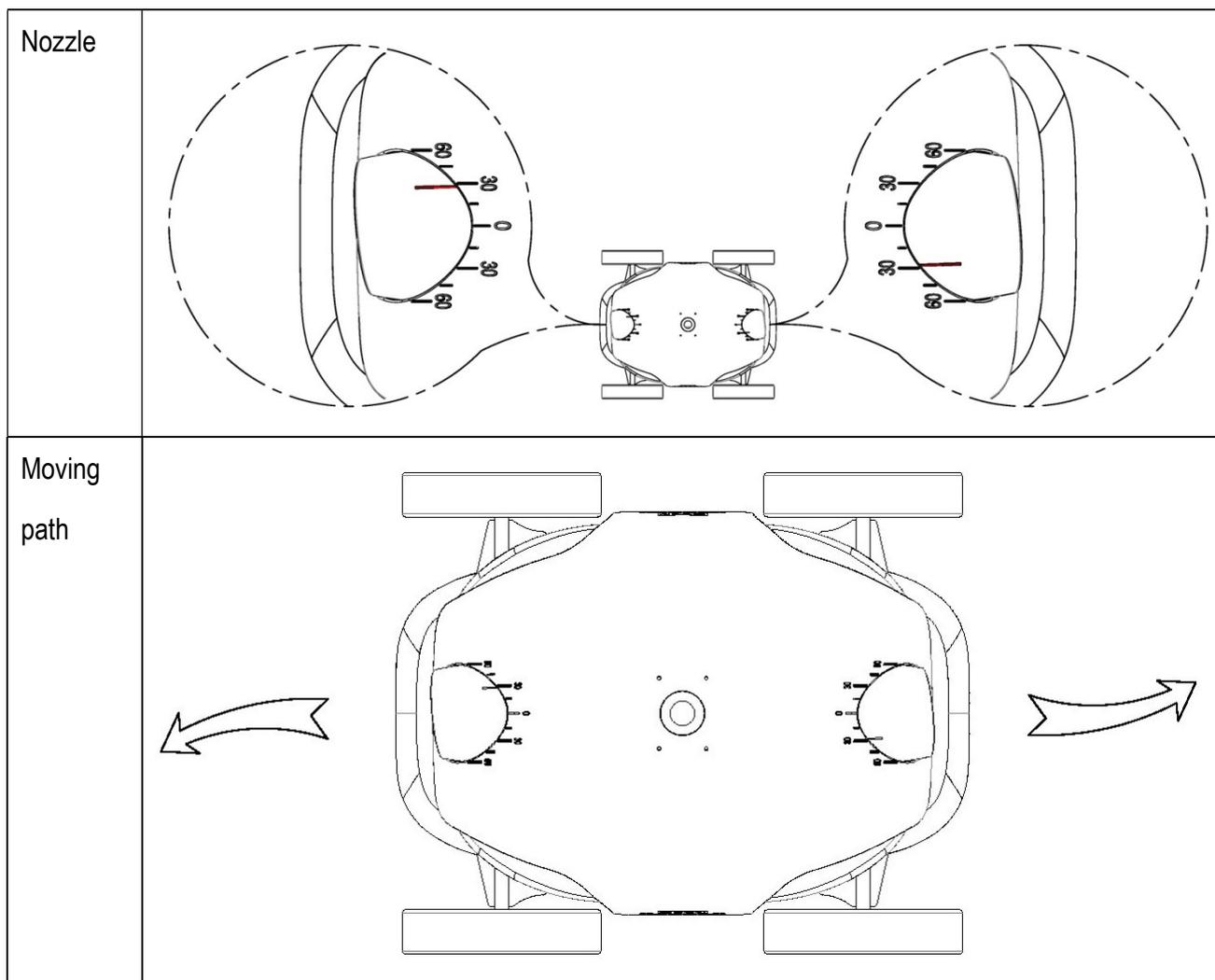




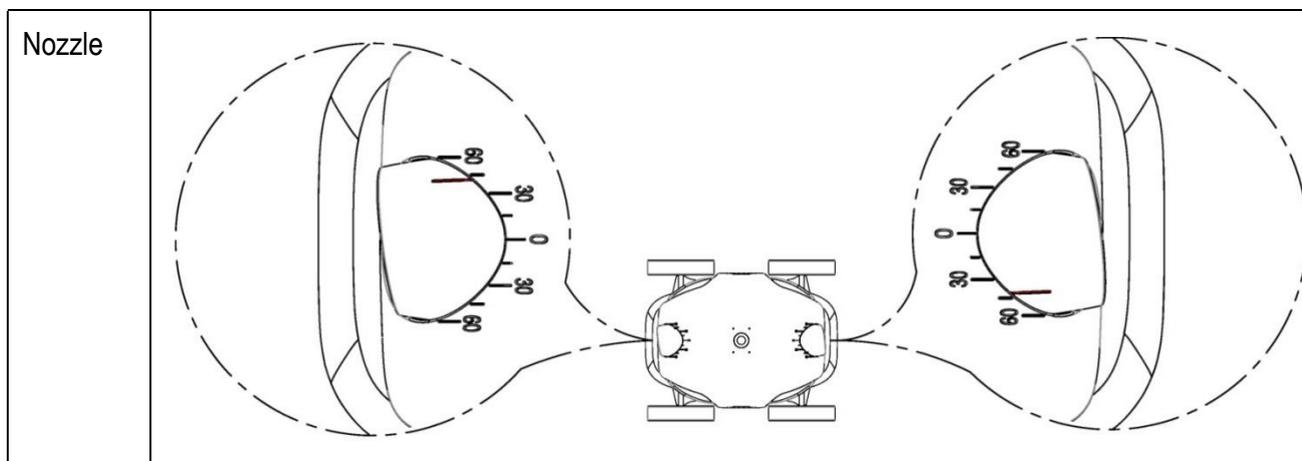
Setting 5: 30° / 60° Cleaner moves in more curved line than setting 4.

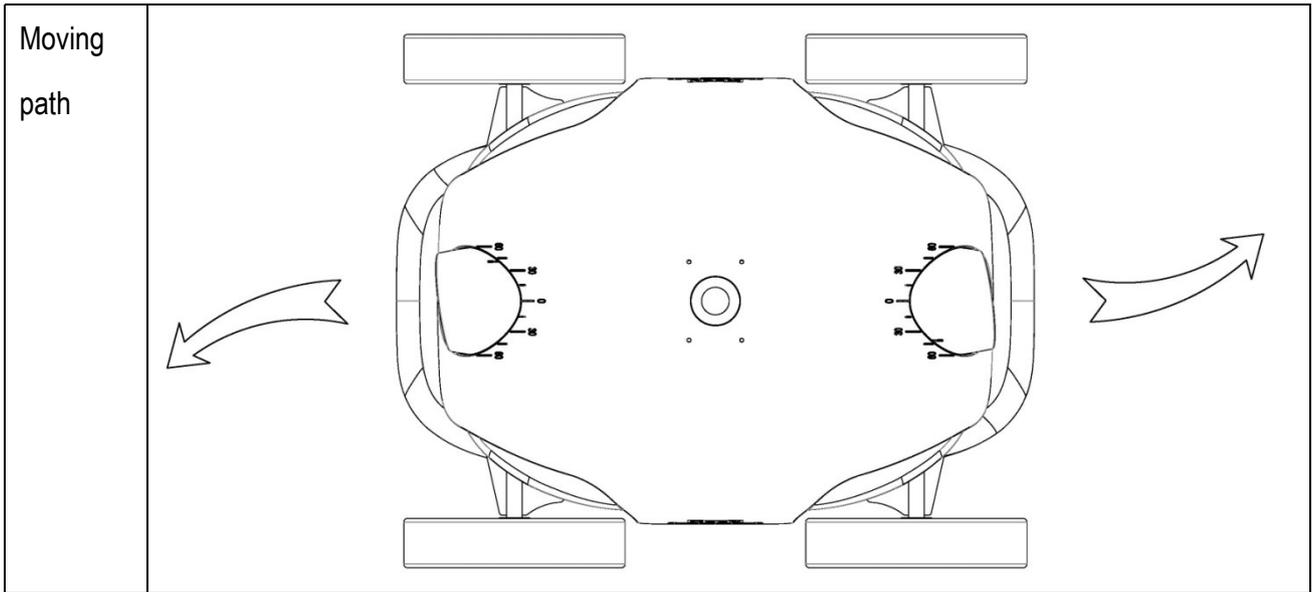


Setting 6: 30° / 30° For round pool.



Setting 7: 45° / 45° When the cleaner does not have full coverage of pool by setting 6, and need to move in more curved line.

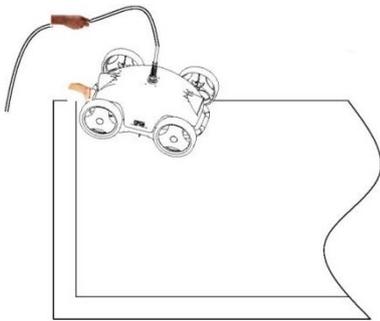




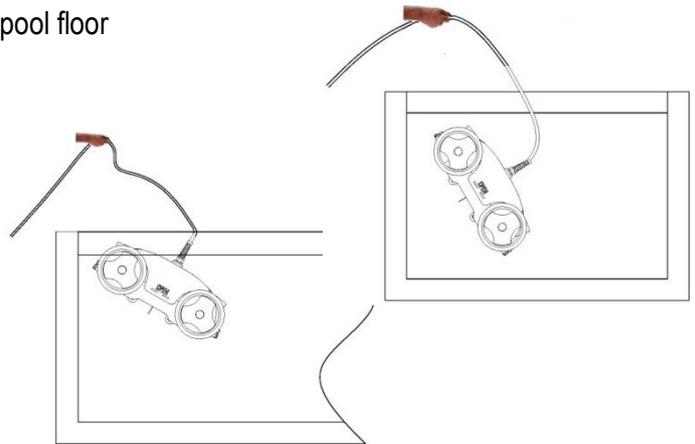
Note: Above are recommended settings, different setting may applies to specific pools. Or, chose bellow settings may lead to a larger coverage.

### 5.5 Method of putting the cleaner into pool

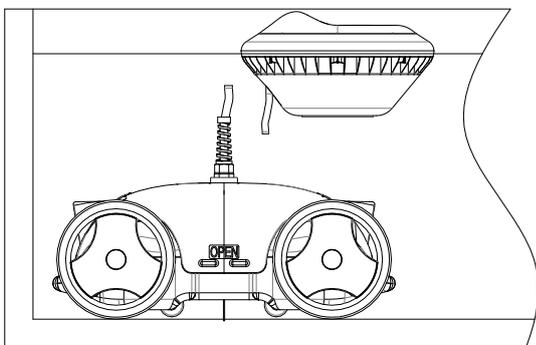
Hold the battery pack by one hand, and hold the handle of the cleaner by the other hand to putting it into pool



Hold the cable till the cleaner immerse into pool floor



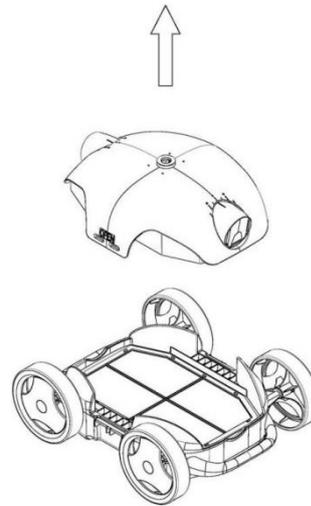
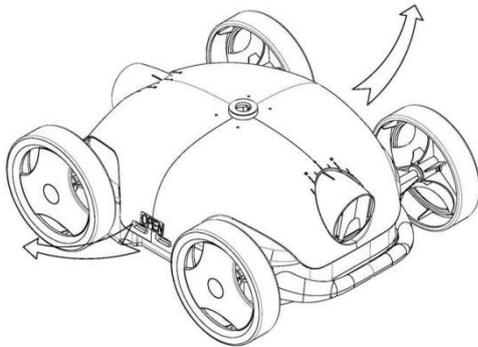
Place the battery pack on the pool surface once the cleaner immerse into pool floor.



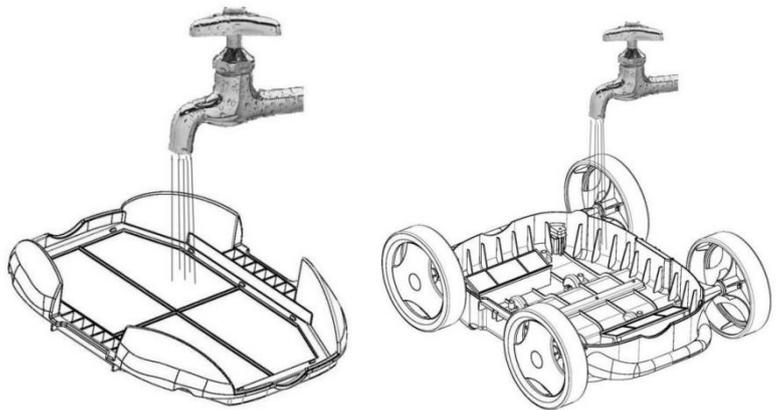
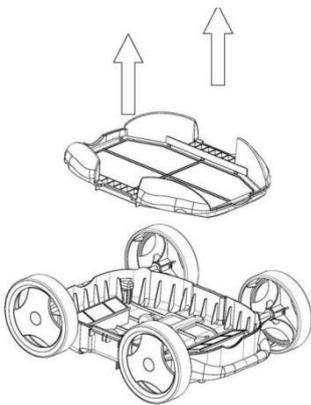
It'll avoid the cleaner turning upside down by following above method.

## 5.5 Clean the filter tray

Open the cleaner from both side of the machine

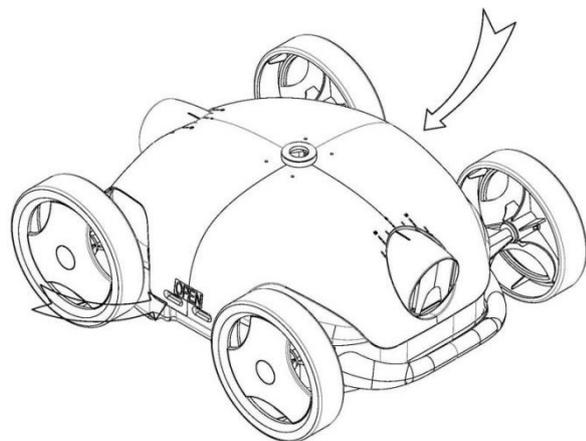
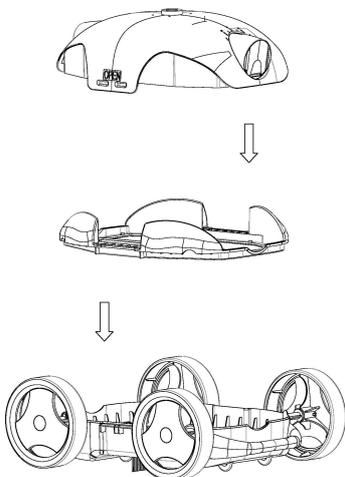


Take off the filter tray  
Clean the filter tray



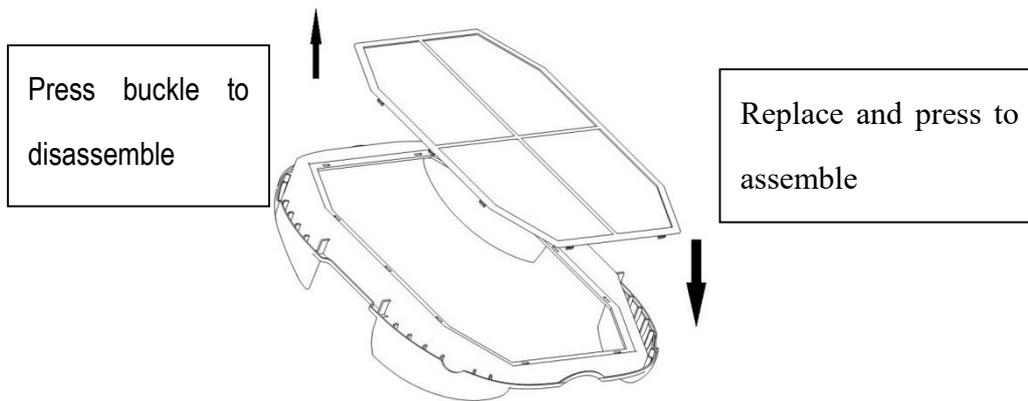
Wash the filter tray and chassis then  
reassemble the cleaner

Push both side of the clips on:



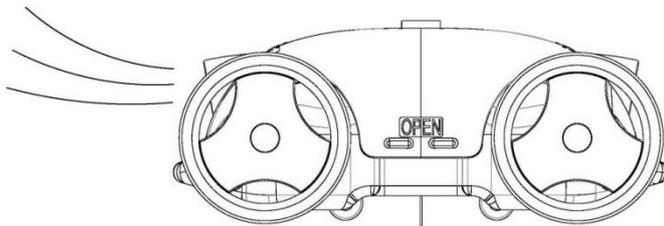
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## 5.6 Filter net replacement

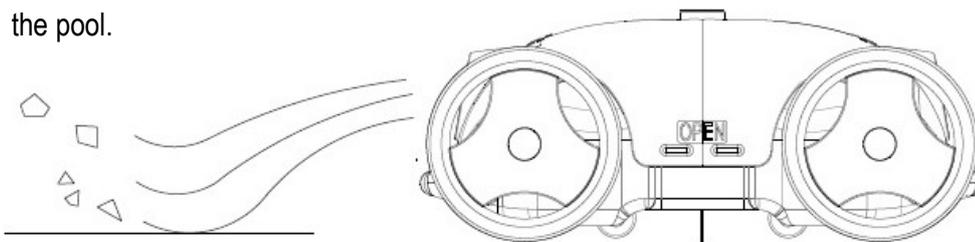


## 5.7 Sweeping mode

Under normal circumstances, nozzle towards obliquely upward so as to avoid blowing away sewage on the pool floor.



For some specific pools, sweeping mode could be used (**Adjust the nozzle obliquely downward**) for blowing up debris located in dead corner or fine particles so as to collect or filter them by main filter system of the pool.



## 5.8 Helpful tips

- i. Power off and take out battery pack immediately after use.
- ii. The cleaner should not touch pool walls while lifting out to avoid scratching the pool surface or any damage to the cleaner.
- iii. Before lifting out from pool and placing on the pool edge, suspend the cleaner above water surface for 10-15 seconds to empty the inside water.
- iv.** Please hold the cleaner handle to lift it out from pool and never pull the cable.

## VI, Trouble Shooting

Symptom	Possible reason	Solution
Cleaner does not have a full coverage of pool	Nozzle in improper direction	Adjust nozzle into proper direction so as to move in more curved path
	Cleaner always move along pool edge	Adjust nozzle or use sweeping mode
	Customized pool shape	Adjust the nozzle for a more curved moving path, or chose different pool size button
	Pool filter system and pump open	Turn off pool filter system
	Low remaining battery capacity	Charge the battery
Cleaner does not work	Low remaining battery capacity	Charge the battery
	Faulty battery	Contact local vendor

## VII. Packing List

Item	Name	Model	QTY (pc)	Remark
1	Cleaner body	HJ1107	1	In carton
2	Battery pack	HJ1107	1	In carton
3	User manual		1	
4	Brush		1	
5	Filter net	180 $\mu$ m	1	In carton
6	Filter net	600 $\mu$ m	1	Assembled on cleaner