



D Series Vario Wave Maker

USER'S MANUAL

WARNING:

1. To ensure performance, do not let the pump work dry.
2. Keep the controller at a dry place. Avoid water splashing on it.
3. Be careful when assembling the magnet base. Move parallel the magnet base parallel the pad close to the outside wall of fish tank to prevent breaking the fish tank.
4. Do not disassemble the controller or adaptor without professional guidance.
5. The product and APP will be changed with the progress of technology. Please refer to the actual product and APP.
6. After the device is powered off, please use phone to connect to ensure that the timing mode operates accurately.
7. When using it for the first time or not using it for a long time, it needs to be used continuously for more than one hour to ensure that the internal clock battery is charged.
8. App does not support traditional Chinese.

I. Introduction

Jecod D Series Wave Makers are well designed as a good equipment to stimulate the natural sea environment by high technology, which offers a natural environment for different sea livings in the fish tank or in the pond. Before assembling and operating correctly, please read the manual carefully.

Function Feature:

- Bluetooth wireless connection APP control.
- External drive controller, no electronic devices inside of pump, ;longer life.
- 3D big rotation angle to adjust the output water direction.
- Four-pole super quiet motor.
- Mini size, strong power.
- Master and slave wireless control.

II. Product Specification

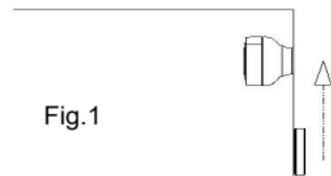
Wave pump has various models and specifications :

- DWP-3, DWP-5, DWP-9, DWP-16.
- DCW-70, DCW-90, DCW-120, DCW-150.
- DLW-5,DLW-10,DLW-20,DLW-30.

The user could choose a variety of pumps according to their need.

III. Assembly Notice

1. Suitable for different size of fish tank, the tank thickness of less than 15mm would be better.
2. Accessories:include wireless controller, adaptor, power cable, user's manual.
3. Pump assemble: Take away the magnet at the back of the pump basket, locate the pump in the center of the fish tank inside and suck it closely by the rubber pad and shift the magnet slant to the same position on the outside wall. Take care of your fingers to be clamped because of the strong magnetism of magnet.
4. Controller install, there is a hole to hang on the controller at any place in convenient.
5. Connect the pump with the 3-pin connection wire. Connect the adaptor plug with the controller and connect AC wire adaptor.



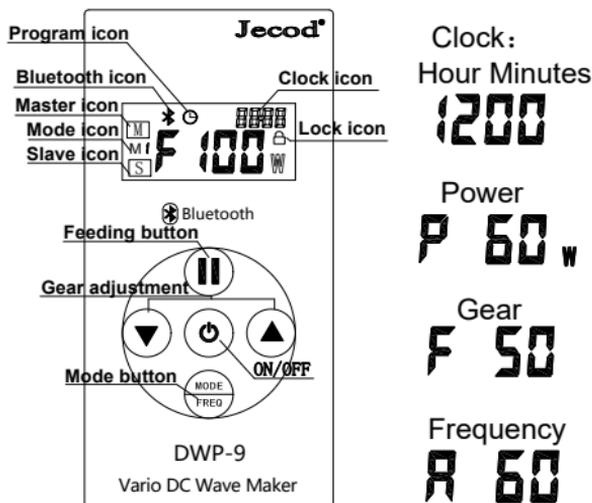
IV. Operation and Function

1. Button

“||” : Press the key to set Master Control, Slave Control or operate individually, long press to Feeding mode.

“⏻” : Press to turn on or off, Long press to reset Bluetooth.

MODE/FREQ: Short press to select each function mode, long press to set frequency.



2. Function Description

Wireless controller is for operation without wire connection among the wave makers.

Master Control: Press “**I I**” once to start the Master Control Model, the “Master” Icon appears. Master controller can set all functions.

Slave Control: Press “**I I**” twice until the “Slave” Icon appears to start Slave Mode. Only flow is adjustable by controller.

Among two or more wave makers in a group, set one controller as Master Control and the others as Slave Control. Users can set parameters by Master controller to control all pumps directly.

3. Introduction of each mode

M1: Classic Wave Pulse Mode

One or more pumps can be used at the same time, press the “▲” and “▼” key to adjust the flow, long press “MODE/FREQ” to adjust frequency.

M2: Sine Wave Mode

One or more pumps can operate at the same time in this mode. The flow rate varies from 30% to 100% as a sine curve. Long press “MODE/FREQ” to adjust frequency.

M3: Constant Wave Mode

One or more pumps can make constant flow at the same time. Flow rate can be adjusted by “▲” and “▼”.

M4: Random Wave Mode

One or more pumps can operate at the same time. Pump power changes randomly and irregularly.

M5: Classic Wave Cross-flow Mode

One or more pumps can be used at the same time, press the "▲" and "▼" key to adjust flow, long press "MODE/FREQ" to adjust frequency.

4. Feed Mode Function

Long press the "||" key, pump stops working for 10 minutes to feed. Then it restart to run automatically. To resume working during feeding, long press the "||" key again, then it will display the current degree.

5. Key Locking Function

Long press the "▲" and "▼" keys until lock icon appears in the upper right corner of the screen, to lock all function keys. To unlock, long press the "▲ and ▼" keys until lock icon disappears.

V. APP Download and Instruction

5.1 Download

The APP name "Jebao Aqua", User can search "Jebao Aqua" in either APP Store or Google Play to download the application. Alternately user can scan the below QR-code on the package or user's manual to download the application. (Note: Scan function in certain countries or areas may not be

able to read the QR-code properly.)



IOS Application



Google Play



Android Application

5.2 Registration, login and password reset

- A. Open Jebao Aqua App and tap "Sign up now";
- B. Choose email way to register, fill the information as required and tap Create account;
- C. After registration, return back to the login page. enter the account and password to log in.

Note: Phone number registration is valid for mainland China only.

Password reset:

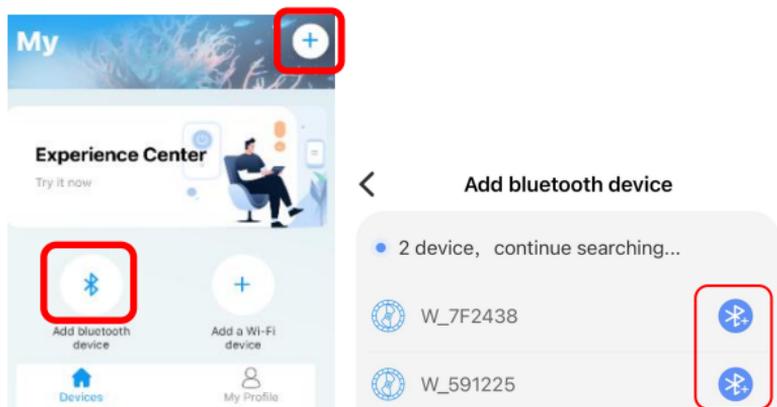
On the login page, click "Forgot password" to enter to reset the password, and click "OK" after completion.

5.3 Bluetooth connection device

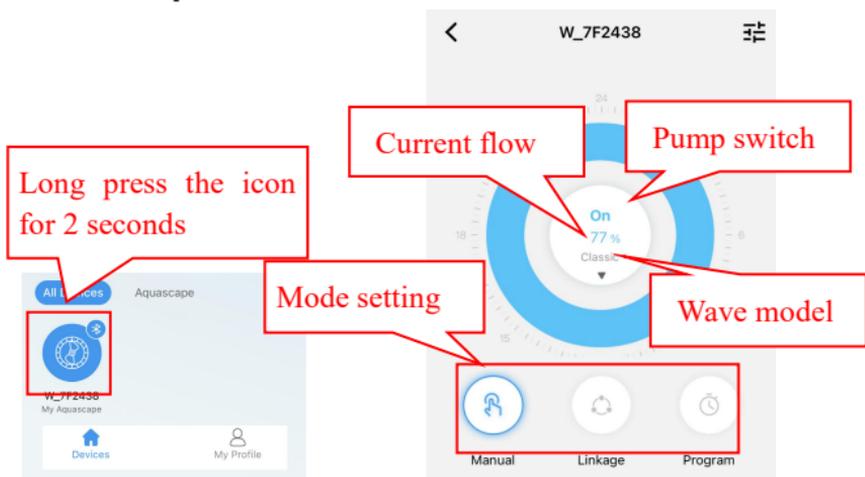
- ① Turn on the Bluetooth on the phone, and connect the controller to the power supply.
- ② Tap "Add Bluetooth device" or "+" in the upper right corner to add it, and wait for the search. When the corresponding

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category appears, Tap the Bluetooth icon on

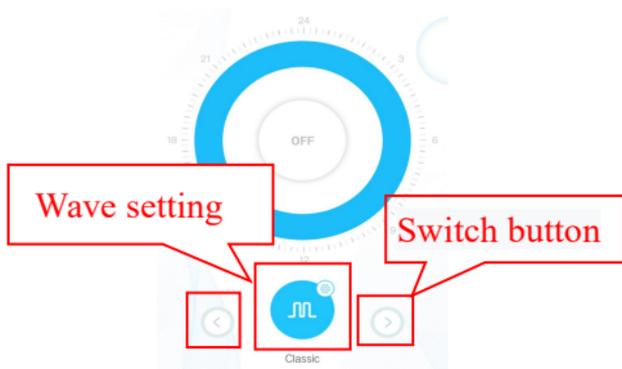


5.4. Pump Control



In Devices interface, long press the device icon for 2 seconds to enter the device control interface.

Manual mode settings: In the device control interface, long press the bottom manual icon for 2 seconds to enter the manual mode setting.

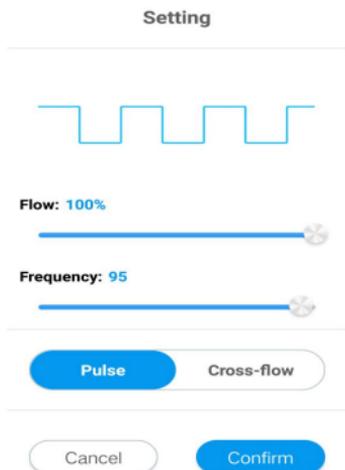


Enter the manual setting interface and switch the wave-making mode by clicking the “<” and “>” button at the bottom of the page. Click the middle circle wave-making mode icon to set the specific flow value and frequency of wave-making.

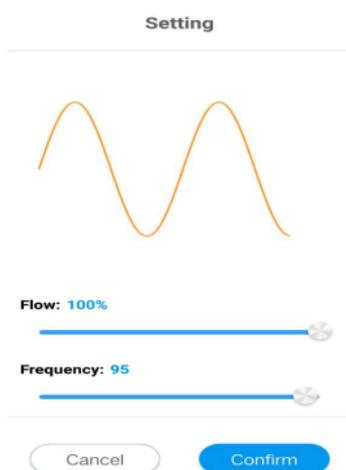
Classic mode: Press or drag the bar to adjust the flow and the frequency. The minimum flow is 30%. The minimum frequency is 5%. Pulse or circulation can be chosen.

Sine Wave Mode: Press or drag the bar to adjust the flow and the frequency. The minimum flow is 30%. The minimum frequency is 5%.

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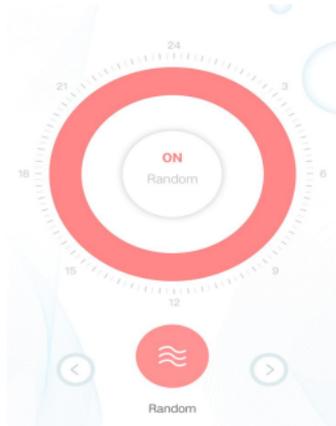
Classic mode



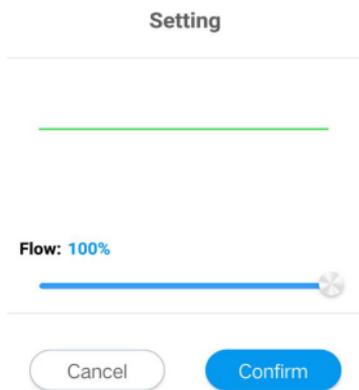
Sine wave mode

Random Wave Mode: Random wave data generated by the system randomly. Switch to random wave making to use.

Constant Wave Mode: Press or drag the bar to adjust the flow. The minimum flow is 30%.

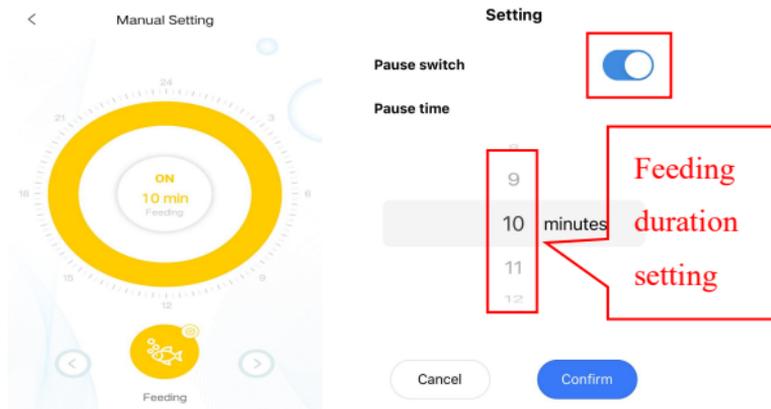


Random wave mode

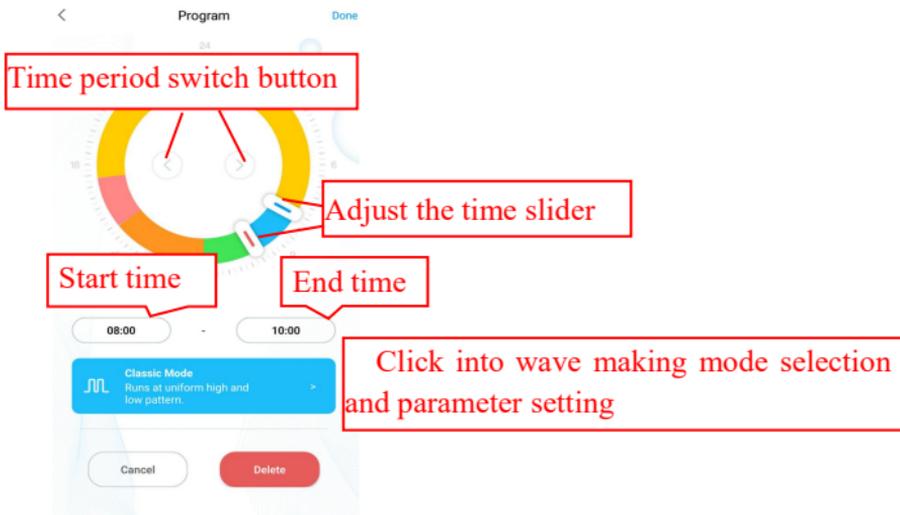


constant wave mode

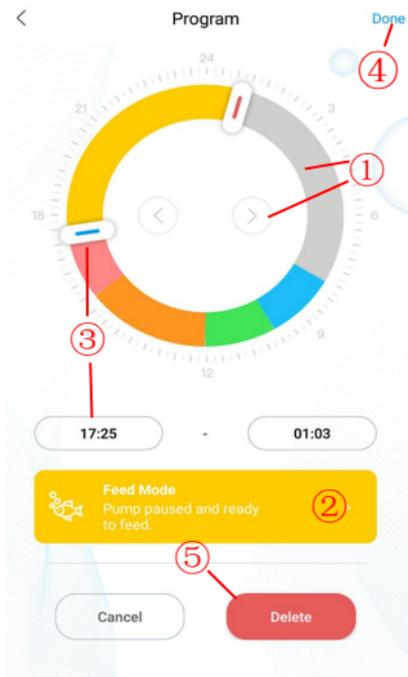
Feed mode: The feeding switch should be turned on. After setting the feeding duration time, click "confirm". During the feeding period, the pump will stop working.



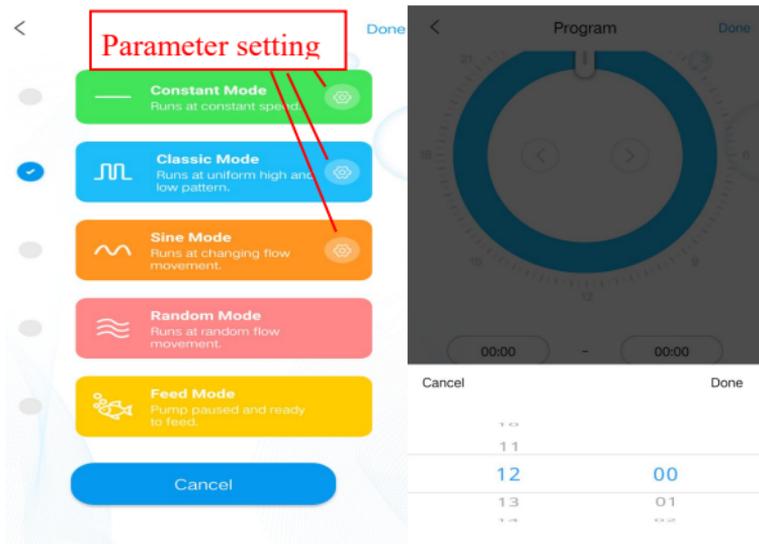
Timer mode: In the device control interface, press the *Timer* icon of mode setting for 2 seconds to enter the Timer setting.



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- ① Double-click the blank area of the ring to add the plan time period or use the switch button to switch to the blank area of the ring to add the plan time automatically.
- ② Choose the plan period of work mode.
- ③ Drag the slider to adjust start and end time or modify start and end time directly.
- ④ Click finish to save plan setting.
- ⑤ Clicking delete will delete the current scheduled period.

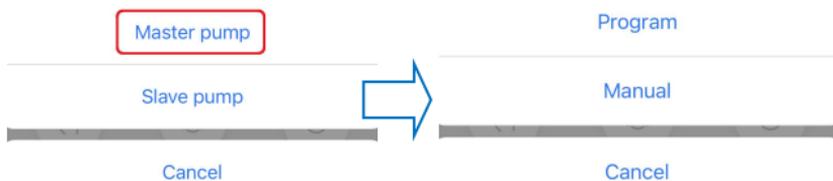


Mode selection and setting

Time period setting

Linkage mode setting: In the device control interface, click "Linkage" button to enter linkage settings. In the linkage mode, two or more wave pumps are required in a group. One pump is set as the main control and the other slave control. When set the function, only adjust the main control function, the slave control function is determined by the main control. The main control has timing and manual functions, and the settings are the same as timing and manual settings.

Main control function Settings:

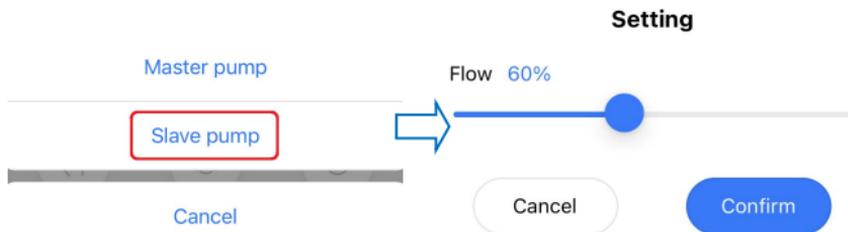


Manual setting page



Timing setting page

Slave control function Settings:

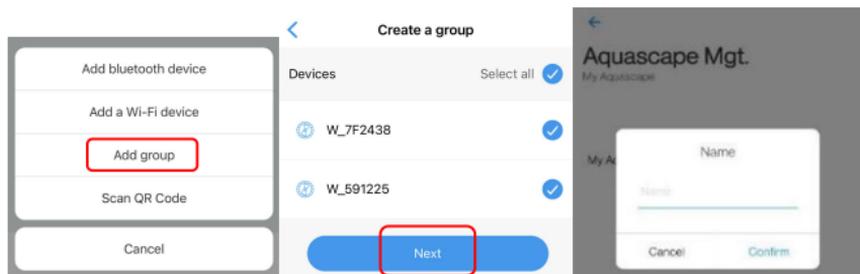


Slave control can only set the flow and the speed, the function is determined by the main control.

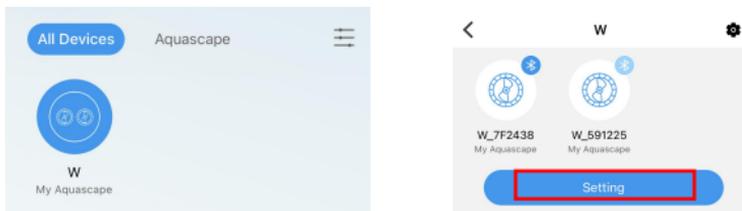
5.5 Group control functions

1) Add a group

Tap the "+" in the upper right corner of the home page and select "Add group". Select devices to add to the group, tap "Next". Then choose Aquascape and name the group.



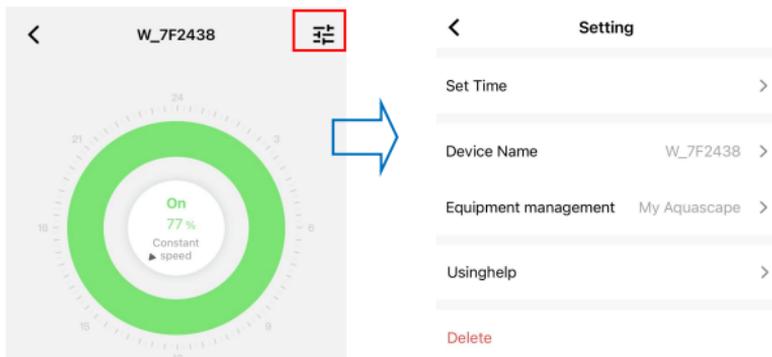
Press the icon for two seconds to enter the grouping page. Tap "Settings" on the grouping page to enter the grouping control page. The operation is the same as that of single wave maker control.



To add and delete devices in a group, tap the small "⚙️" in the upper right corner.

5. Pump Management

On the device's control page, tap  on upper right-hand side to device management page. Operations such as "Set time", rename and "Delete" can be performed.



1. The factory time of the equipment may not be accurate, so the first time to use the program mode the mobile phone needs to set the calibration time (tap the "set time").

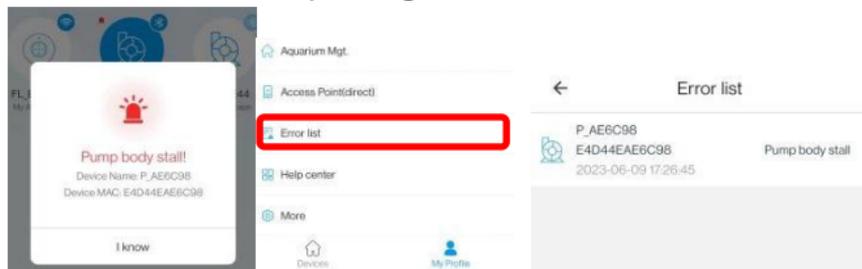


Set Time

2. Users can also change the name of the device to facilitate management. And delete device.

6. Trouble shooting tips

There will be corresponding prompts for equipment failure and error reporting.



LCD Error code and APP Error description

When the controller work abnormal, the controller will show the Error code and warning flashing, when enter the APP will pop-up the mention box. the code explanation as below:

Fault description	Error Message	Trouble Shooting
Controller over-current	ER01	Abnormal current. Check whether the pump is short circuit or controller is malfunction.
Controller overheats	ER02	Check whether the controller is exposed to the sun or under high temperature

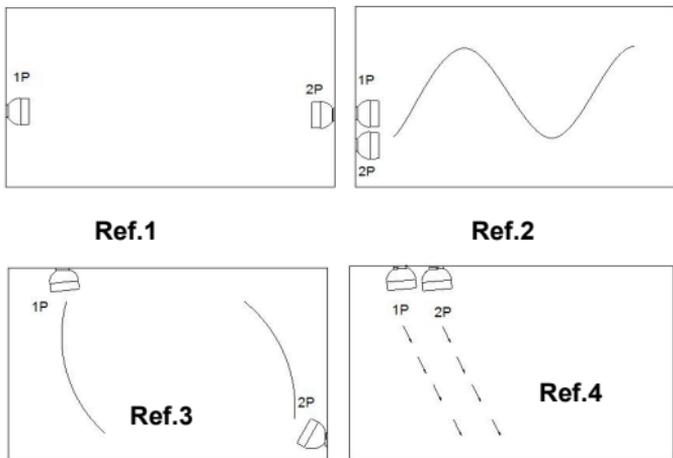
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Pump body stall	ER04	The impeller stops running. Check whether there is foreign body or wrong cable connection. Clean the pump and impeller regularly.
Controller over-voltage	ER05	Abnormal working voltage. Check the input voltage and use safe adapter.
Controller under-voltage		
Bluetooth connection failed		The phone turned on the Bluetooth again and tried to connect again.

VI. Maintaining

1. Clean the controller regular to ensure good performance.
2. Clean the controller surface with dry cloth if there is any water to prevent water inflow into controller.
3. Remove the waste in the pump by rotating the basket in anti clockwise to open and lock in clockwise direction.
4. Use soft cloth to rub blade and clean the dirty in the pump.
5. This product is indoor use only, don't submerged in the water to cause unnecessary loss.

Appendix: PUMP LOCATING



DISPOSAL:

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

This product must not be disposed together with the domestic waste. This product has to be disposed at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly and healthy way.

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