

**Jebao®**

# Smart DC Pump

## USER MANUAL

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## MDP Series

MDP-2500、MDP-3500、MDP-5000、  
MDP-6000、MDP-8000、MDP-10000、  
MDP-13000、MDP-15000、MDP-20000

## **WARNING:**

- Please use the matched adapter and related accessories.
- Do not put the pump in the flammable, explosive and corrosive liquid.
- Do not use the pump in the water temperature above 35°C.
- Maximum water depth 1.5M.
- Do not immerse the plug into water or other liquid.
- Do not allow children or the inexperienced to operate and play the product alone without safety guarantee.
- Please refer to actual products and APP.

## I. Introduction

JEBAO DC pump is a inspected and tested to ensure the safety and operating performance product. Please read this manual carefully, before operating correctly. In case of the improper usage, or maintenance to cause the pump damage.

### Pump Features:

- Wi-Fi+Manual dual function controller, Smart life
- No electronic device inside of the pump, longer life
- Sine Wave Technology, ultra quiet operation
- Power display and flow control
- Automatic power-off protection upon no water
- Suitable for both marine and fresh water, Rust free

## II. Products use

① **Used as submersible pump:** the water level should exceed the inlet of the pump to avoid pumping the air. It's ok to add the filter sponge in the mesh/front cover to avoid the

suction of sundries and affect the pump performance. The pump conjunction connector is designed with standard size thread, which can be connected to the common fountain heads and water pipes.

② **Used as dry-use pump:** the pump should be placed lower than the horizontal level to ensure water flowing into the water pump. Meanwhile, remove the front filter cover to connect the water pipe in inlet and outlet to ensure water in the pump and pipe before plug on.

### **OPERATING INSTRUCTION:**

When use the pump, please pay attention to the position of the pump. Please connect the pump supply after finishing the installation. If the pump can't pump the water out for the first time which may be caused by the air in the pump body.

Please try to plug off and re-plug on to vent the air. To ensure safety, please install a leakage switch with leakage current less than 30mA when using outdoor (the leakage switch shall be installed by the user self).

## **CAUTION:**

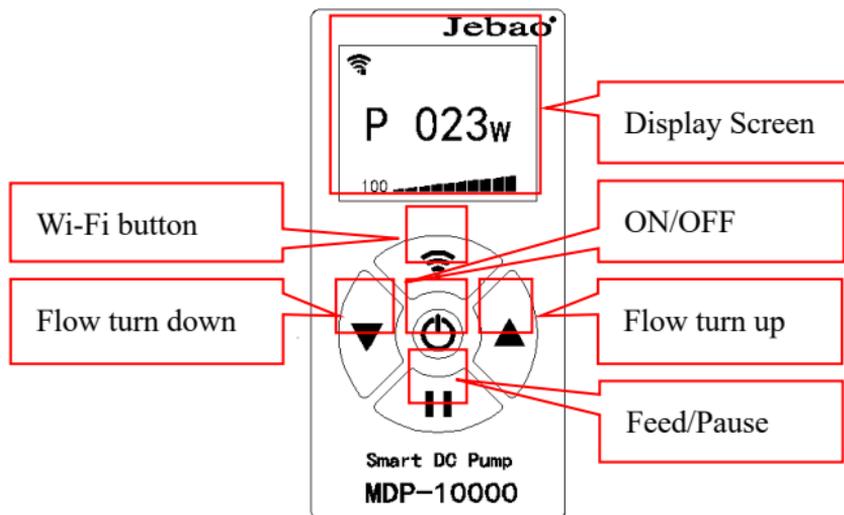
- Always disconnect the pump from the power supply before cleaning, maintenance and handling.
- Try to avoid the pump dry working.
- Do not lift the pump by holding the power cord only. In case of the cable connection off inside of the pump
- Do not use the pump in the heating liquid.
- The pump fits for both fresh water and marine water.
- The pump can be used as submersible pump and non-submersible, as long as ensure the pump filled with water.
- The pump can't be used in the swimming pool.
- This product has multiple protection function. When it enters the protection state, please plug off and plug on to recover the pump normal work.

## **III. Controller Features**

- Adjustable the flow rate and head max.
- “Feed” model, Pause, Timing, delay, Wi-Fi, Restart function.
- Memory function, ensure that the pump rework upon

keeping the same parameter.

## Operation Function:



Controller Panel

### 1.Operation Function Description

After power on the pump, the display screen will come the WIFI icon, operating power and working step. The operating power shows "P\*\*\*W". The flow rate shows 71 steps (F30-100). Push the "▲/▼" button to adjust the flow rate,

The Display Screen will shows the instant working condition, you can set different power per your need.

When the user presses the "||"button, "FEED 10 min" is displayed on the screen, the feeding mode is started. Press "||" butto again to stop feeding immediately. The feeding time can be set in the APP. Press "⏻"button to shut down, the pump stops working, then press "⏻"button again, the pump starts to work.

**Remarks:** When the pump enters to the timer mode in APP, if keep pressing "▲ ▼" button for seconds to exit the timer mode.

## 2, The Button Lock Function

Under the pump power on, long press the "||"button for 3 seconds, the lock icon willshow on the display, and all the button will be locked. Long press the "||"button again for 3 seconds, and the lock icon in the display will disappear then all the button unlocked.

## 3.The Display Screen protection mode

When the controller power on, **if no touch of the screen**

**more than 17 seconds**, the display screen become in a slightly brightness, enters the screen protected mode. When any key is pressed, the display screen returns back to normal brightness. Meanwhile, long press the "▲ ▼" button to enter the screen brightness modulation mode, the "▼" to adjust the normal brightness;the "▲" button to adjust the screen saver brightness.

#### **4. Data memory function**

When power off the controller, the controller keeping the same default parameter in memory after reworking.

#### **5. Wi-Fi icon description and usage**

- A.Wi-Fi icon flashes while the Pump is on smart configuration mode.
- B.Wi-Fi icon and AP icon flashing synchronous, when the Pump is on AP configuration mode.
- C.Wi-Fi icon is keeping displayed when the Pump is connected to the cloud server.
- D.Wi-Fi icon disappears when the Pump is disconnected to

the cloud server.

### **Wi-Fi Button Instruction**

A, The the device power on, the Wi-Fi icon at the upper left of the controller screen flashing. The pump is on smart configuration mode.

B, Long press the Wi-Fi button for 5 seconds, the smart configuration mode switch to AP configuration mode, Wi-Fi with AP icon flashes in the upper left of the screen.

C, Then long press the Wi-Fi button for 5 seconds again, the Wi-Fi switches to the smart configuration mode.

D, The WIFI icon shows on the upper left always when connect the WIFI successfully.

## **IV. APP Download and Instruction**

### **1. Download**

The APP name “Jebao Aqua”, is available to download in App Store for Apple users, or Google Play for Android system users. The User can search “Jebao Aqua” in either App Store or Google Play to download the application. Alternative, the

user may scan the barcode on the package or user manual to download the application. (Note: Scan function in certain countries or areas may be unavailable to read the barcode properly.)



iOS Application



Android Application

## 2. User registration, login and password reset

### 2.1. Account registration

Enter email address

Enter your password

Log in

Create new account

Forget password ?

Create your account

Enter email address

Create password

Confirm password

Create account

Register by phone number  
(Mainland china only)

- A. Open the Jebao Aqua App and tap *Create new account*.
- 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.

## 2.2. Reset Password

< Forget Password

Enter your email and we'll send you a link to reset your password

Enter email address

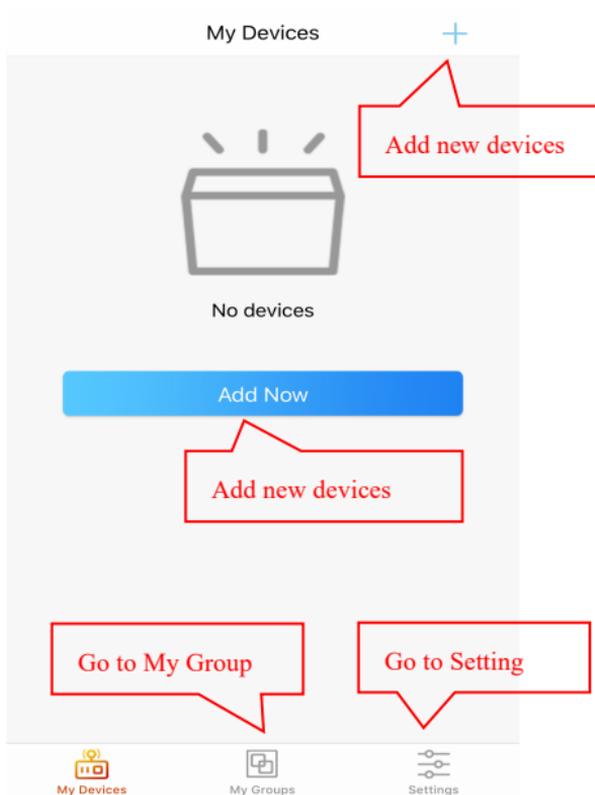
Send link

[Reset password by phone number](#)

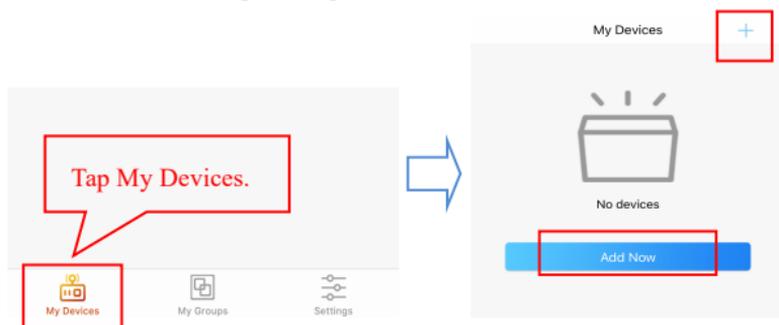
Tap *Forget Password* on the log-in page. Enter your email address and tap *Send link*. Check your email and follow the instructions to reset your password. Then back to the log in page to input your account and new password to log in.

## V. App Application

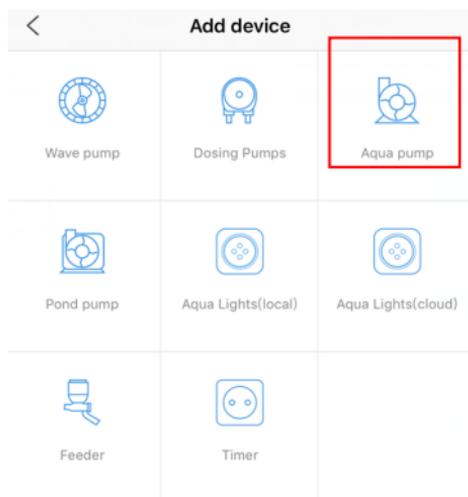
### 1. Main page



## 2. Add new pump



Tap “Add Now “ or tap the top right “ +” icon to add your device, tap the “Aqua Pump” Icon.

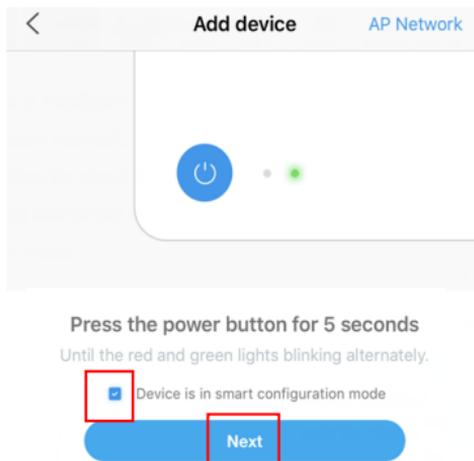


### Configuration mode:

Make sure your phone is connected to 2.4G band Wi-Fi before configuration. There are two configuration modes, Smart configuration and AP configuration modes. Choose one mode to link your device.

#### ① **Smart Configuration mode:**

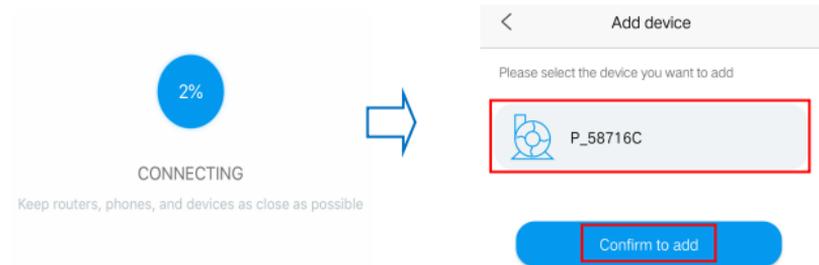
After the device power on, the Wi-Fi icon on the upper left flashing, the device enters the smart configuration mode.



When see the screen upper left side WIFI icon flashing, Choose the confirmation” *Device is in smart configuration mode*” then tap “*Next*”, start to smart configuration.



Follow the instructions. Enter Wi-Fi password and tap *Next*.



Make sure your device, phone, and the router are as close as possible during the configuration process. The page will display all the devices. Choose the request add device, tap the device name, then tap ‘*Confirm to add*’



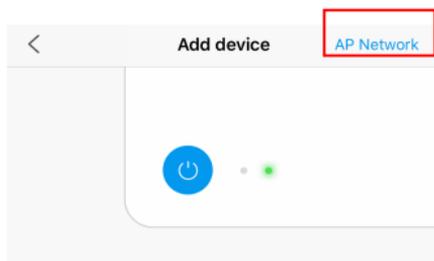
Success! Start to set up your device.



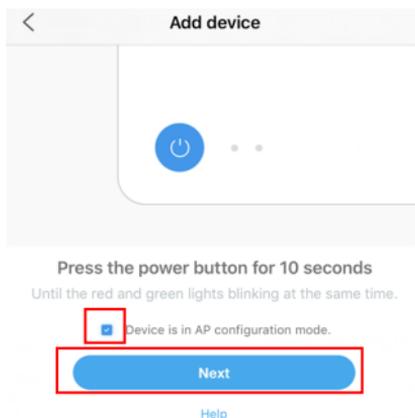
Tap “Start” to start using your device.

### ② AP Configuration mode:

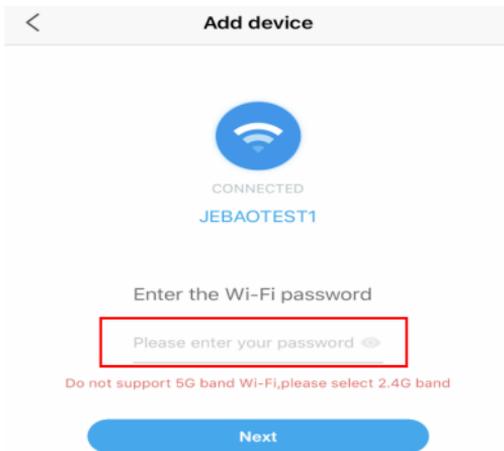
Long press the Wi-Fi button for 5 seconds before distributing network, see the Wi-Fi with AP icon flashes on the upper left of the screen, then the device enters the AP network distribution mode.



Tap “AP Network “ in the upper right corner on APP adding device page as above to enter into AP configuration.



Choose the confirmation “*Device is in AP configuration mode*” and tap “*Next*”

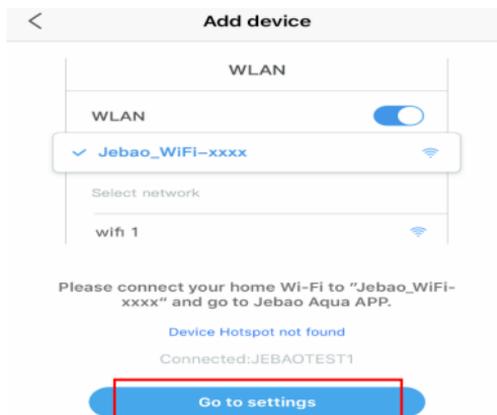


Enter the correct Wi-Fi password and tap “*Next*”

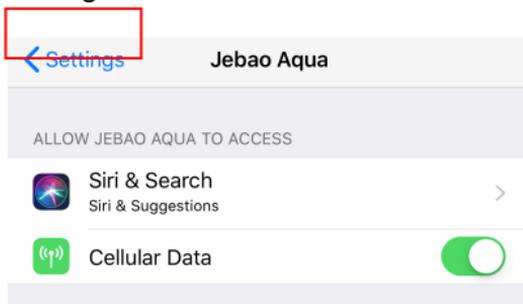
PS: Due to the different operating system, IOS and Android will operate differently in the following details.

### A. IOS System:

After entering the Wi-Fi password, you need to switch manually the phone Wi-Fi to "Jebao\_WiFi-xxxx", the specific operation as below:



Tap *Go to settings*.



Tap “Settings” in the upper left corner to enter the mobile phone settings page, then enter the WIFI setting page as below.

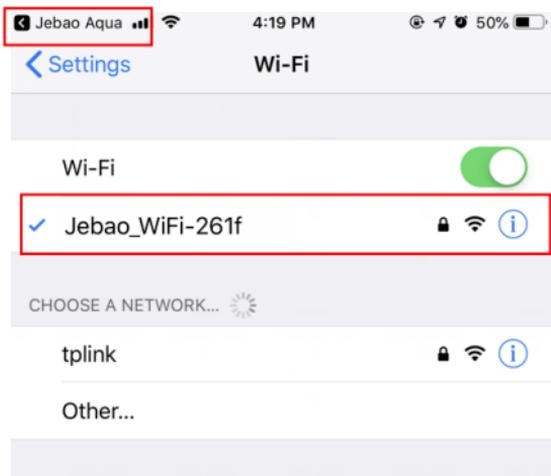


Go to WIFI Settings page > choose the “Jebao\_WiFi-xxxx” with password 123456789. Connecting the Jebao -WiFi.

Enter the password for “Jebao\_WiFi-261f”



After connection successfully, return back to the APP.



Enter into the APP, The configuration starts automatically. Tap “Start” to control the device after the device has been added successfully.

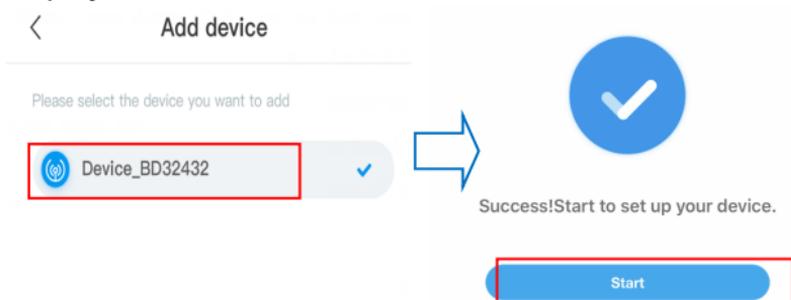


Success! Start to set up your device.



### B. Android System

After input the Wi-Fi password, tap “Next” and choose the device to start configuration. If the device cannot be found, go to Phone Settings page>Wireless & networks > WLAN to turn off and turn on the WLAN switch. The device will be displayed.



Tap *Start* to control the device after the device has been added successfully.

#### Remarks:

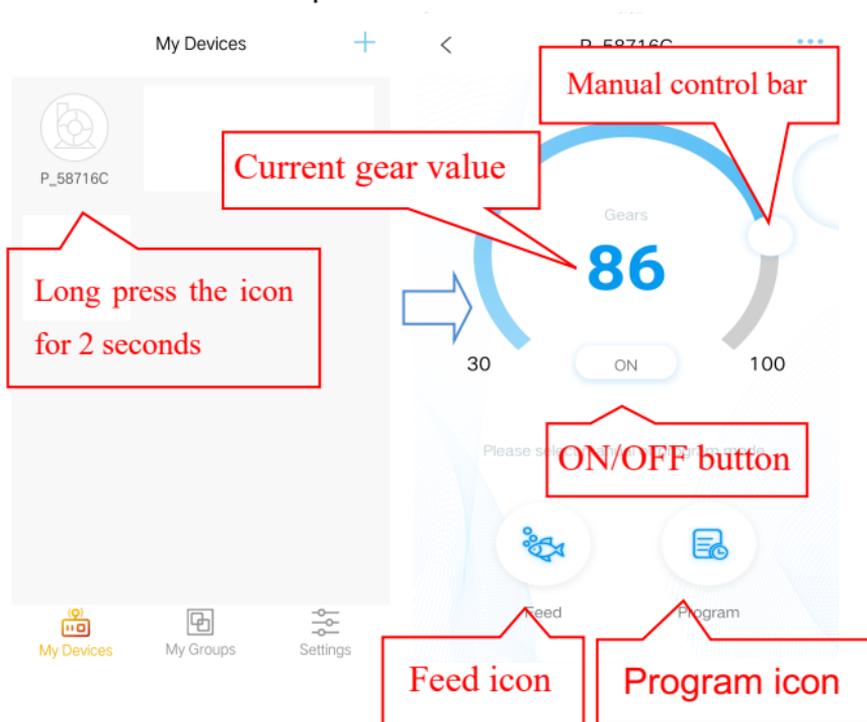
- Before distributing network , open the phone location and the corres ponding permissions.
- You may be asked to restart configuration process again if put the wrong Wi-Fi password.
- Try to put the device, mobile phone and router are placed as close as possible.
- The WIFI icon shows on the controller screen, after confirmation successfully.

### 3. Pump control

After adding the pump device successfully, long press the pump icon for 2 seconds to enter the pump control page.

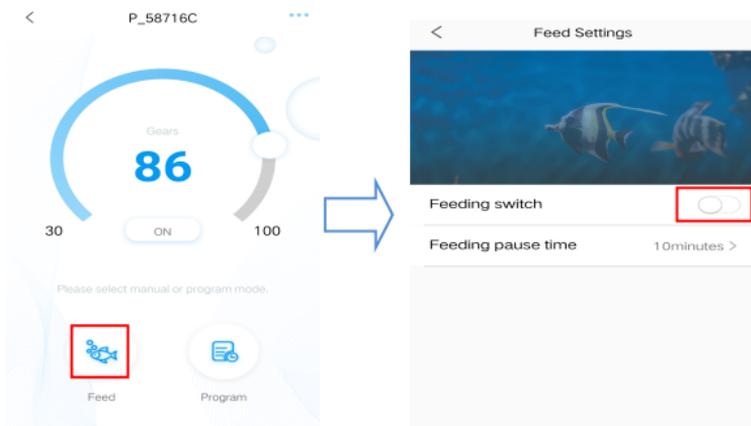
#### Manual mode:

Drag the arc progress bar (stop dragging then effective), Change the gear value of the pump. The minimum step is 30 and the maximum step is 100.

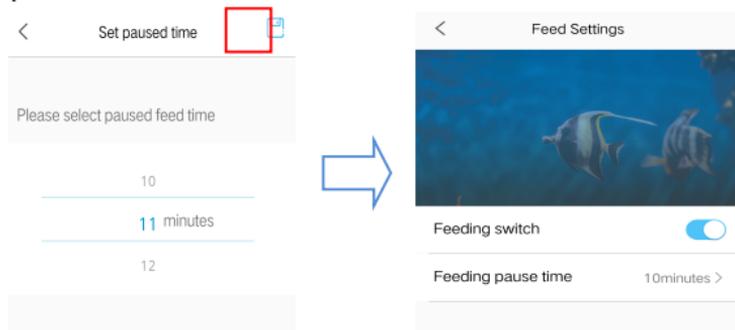


### Manual feeding mode:

The pump will stop working immediately when arrive the feeding time. Press the "Feed" icon for 2 seconds to enter the feeding settings.

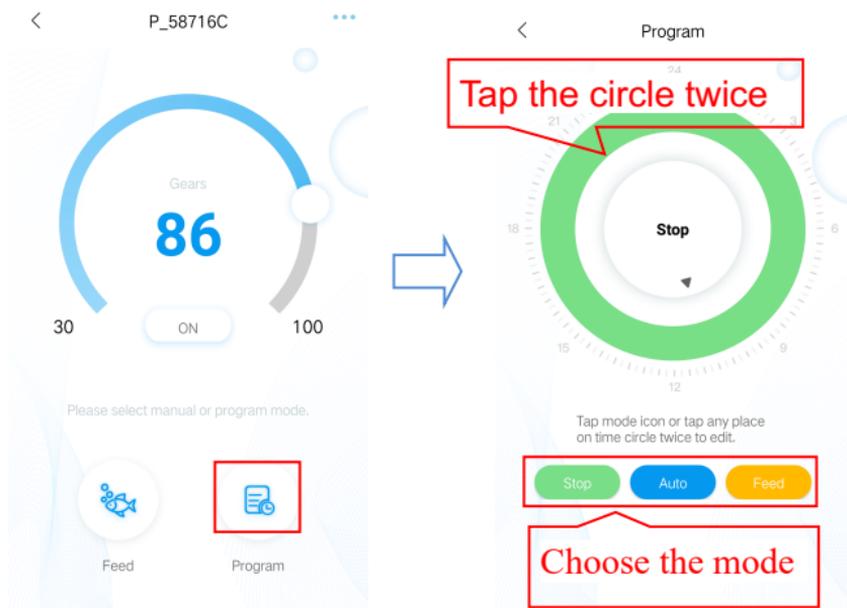


Set the feeding pause time, turn on the feeding switch, then tap save and return.

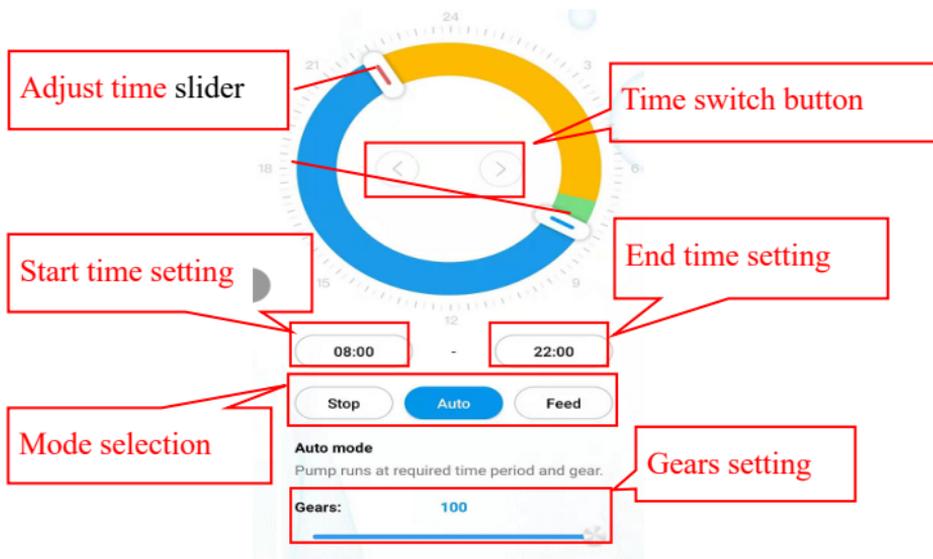


### Program mode :

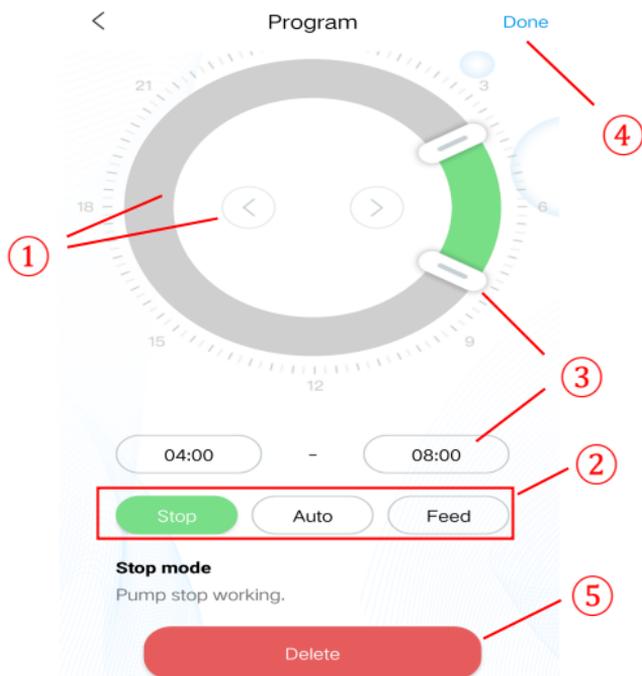
Long press the "Plan" icon 2 seconds to enter the setting page and set the working mode of the pump at various time every day, including the pump stop, automatic and feeding mode.



Tap the "Stop or Auto, Feed" icon or tap the circle twice to edit the each time period.



- ① Double-click the circle blank area to add the plan time period or use the time switch button to switch to the circle blank area to automatically add the plan time period.
- ② Choose the work mode of the plan time period.
- ③ Drag the slider to adjust the start and end time or to modify start and end time directly.
- ④ Tap “Done” to save the plan setting.
- ⑤ If want to delete the current setting period, then tap delete.

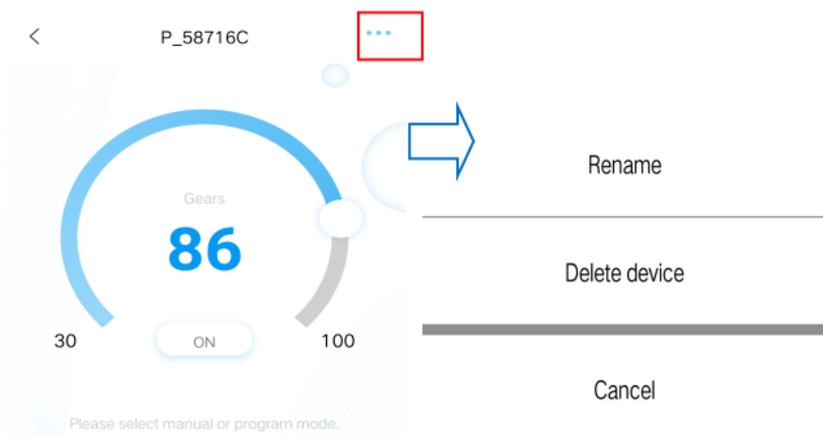


After finish the setting, return back to the main page and tap the “plan” icon to run the program mode.

**PS:** The plan mode will be closed if you set the flow stage by manual (Plan mode effective after ending the slide).

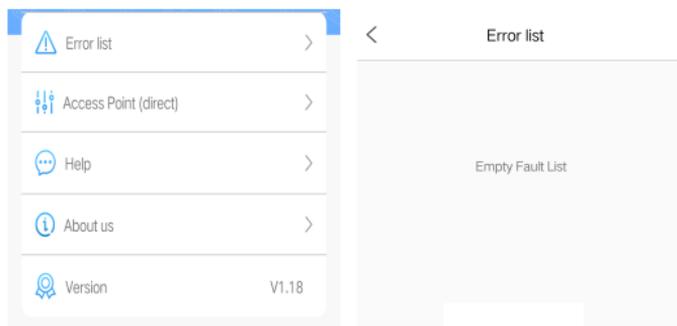
### 4. Rename and delete the pump

Tap the upper right corner of the device as above picture“...”  
The device can be renamed and deleted.



The user can change the pump name as want for easy management. The user can delete the current pump also. But when want to add the pump again, need to reconfigure the network.

## 5. Failure indicaton



### **LED Error code and APP Error description:**

When the controller work unnormal, the controller will show the Error code and LED warning flashing, when enter the APP will pop-up the fault tips box. the ERROR code explanation as below:

**Er01:** Abnomal Working current; Check if the pump cable short of voltage or the controller broken.

**Er02:** Controller overheating; Check whether the controller exposed to the sunshine or under high temperature environment.

**Er03:** The pump dry running; Check if the pump run dry without water.

**Er04:** The pump was blocked; Check if the impeller is blocked? clean the pump and impeller to ensure the impeller clean and work.

**Er05:** Controller over voltage Check the input supplying voltage. Or the adaptor has problem.

## VI. Maintenance

If the pump not work, check as following:

- Connect with another new power to check if the circuit is connected, disconnect the power before operation;
- Check the pump inlet and outlet, the connecting pipe if with dirty block;
- Remove the pump inlet to access the impeller. Turn around the rotor to check if broken or jammed.
- Monthly maintenance will prolong your pump life. Clean the rotor, remove the dirt etc.
- The power cord of the pump must be under the power socket to form a drip ring to prevent water into the power socket along the power cord



### **DISPOSAL:**

Please don't dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. Not put it together with the domestic waste which should be solved as an authorized place for recycling of electrical and electronic appliances for collecting and recycling waste. Please consult with your local seller, to make sure the product is disposed in an environmental and healthy way.

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