Jecod®

Smart DC PUMP

USER'S MANUAL

WARNING:

1. Please use the original adapter and related accessories.
2. Do not put the pump in the flammable, explosive or corrosive liquid.
3. Do not use the pump in the water temperature above35℃.
4. Maximum water depth 1.5M.
5. Please refer to the reference table to use this product
6. Do not immerse the plug into water or other liquids.
7. Do not allow children or the inexperienced to operate or use the product alone without safety guarantee.
8. Please refer to actual products and APP.

ADP SERIES

I. Introduction

Jecod DC pump is 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：

1. Mobile phone special APP control, Smart Wi-Fi + AP control function;
2. No electronic chip inside of the pump, longer life;
3. Sine Wave Technology, ultra-quiet operation;
4. Power display and flow control Automatic power-off protection upon no water;
5. Suitable for both marine and fresh water, Rust free;
6. Wi-Fi Operating Frequency: 2412 - 2472 MHZ;
7. Max. E.I.R.P power 18.96dBm.

II. Products use

①**Used as submersible pump:** the water level should exceed the inlet of the pump to avoid pumping the air. 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 using 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, it might 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).

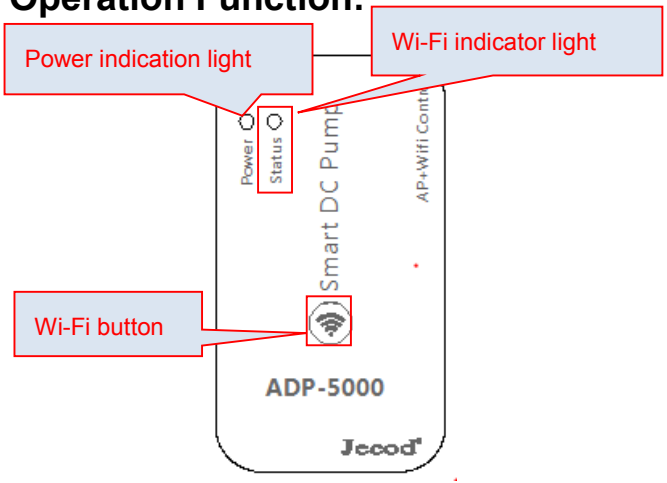
⚠ CAUTIONS:

1. Always disconnect the pump from the power supply before cleaning, maintenance and handling.
2. Avoid the pump dry working.
3. Do not lift the pump by lifting the power cord only to avoid cable connection off inside of the pump
4. Do not use the pump in any heating liquid.
5. The pump fits for both fresh water and marine water.
6. The pump can be used as submersible pump and non-submersible pump, as long as ensuring the pump filled with water
7. The pump can't be used in the swimming pool.
8. This product has a variety of protection functions. When it enters the protection state, after troubleshooting, please plug in and restore the normal operation of the pump.

III. Controller Features

1. Adjustable the flow rate and head max.
2. “Feed” mode, Pause, Timing, delay, Wi-Fi, Restart function.
3. Memory function, ensure that the pump rework while keeping the same parameters.

Operation Function:



Controller Panel

1.Wi-Fi Indication Light and Power Light Instruction

1. Power indicator Steady on, the pump is working properly.
2. The power light flickers slowly and the pump enters “feed” mode or “stop” mode.
3. Wi-Fi indication light blinking alternately in green and blue while the Pump is on smart configuration mode.
4. Wi-Fi indication light is blinking simultaneously in green and blue while the Pump is on AP configuration mode and AP direct connection mode.
5. Wi-Fi indication light is in green when the Pump is connected to the cloud server.
6. Wi-Fi indication light is in Blue when the Pump is disconnected to the cloud server.

2.Wi-Fi Button Instruction

A. Press Wi-Fi button for about 5 seconds, the Wi-Fi indication light flashing alternative in green and blue. The Pump is into smart configuration mode.

B. Press Wi-Fi button for about 10 seconds, the Wi-Fi indication light flashing simultaneous in green and blue.

The Pump is into AP configuration mode and AP direct connection mode.

C. The Wi-Fi indication light is in green when connect the Wi-Fi successful.

IV. APP Download and Instruction

1. Download

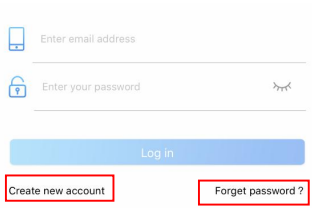
The APP name “Jebao Aqua”, is available to download in App Store for Apple users, or Google Play for Android system users. The User can search “Jebao Aqua” in either App Store or Google Play to download the application. Alternative, the user may scan the QR code on the package or user manual to download the application. (Note: Scan function in certain countries or areas may be unavailable to read the QR code properly.)

IOS Application

Android Application

2. User registration, login and password reset

2.1. Account registration



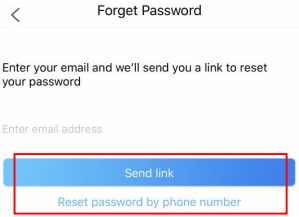
A. Open Jebao Aqua App and tap *Create new account*.

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.

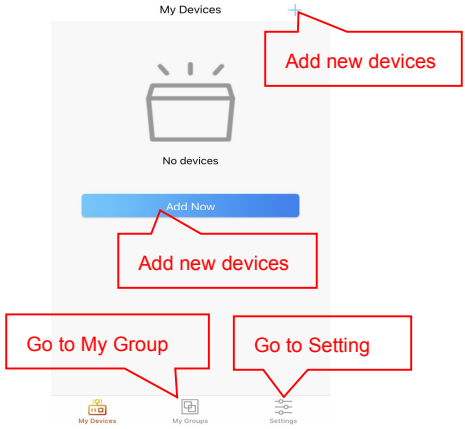
2.2. Reset Password



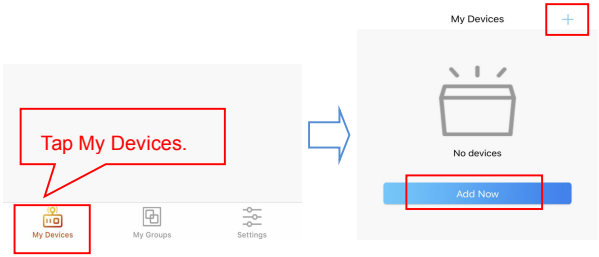
Tap *Forget Password* on the log-in page. Enter your email address and tap *Send link*. Check your email and follow the instructions to reset your password. Then back to the log in page to input your account and new password to log in.

V. APP Application

1. Main page

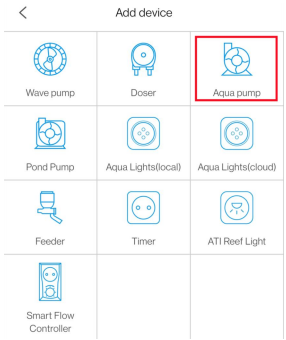


2. Add new pump



Tap “*Add Now* “ or tap the top right “ +” icon to add your

device, tap the “*Aqua Pump”* Icon.

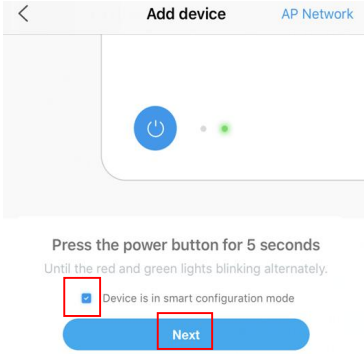


Configuration mode:

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.

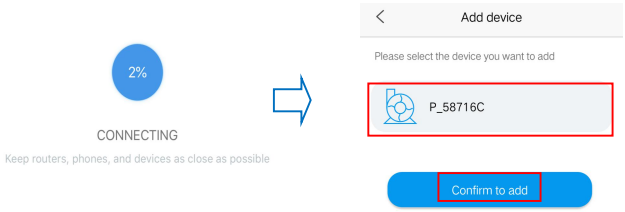
① **Smart Configuration mode：**

After the device is powered on, the Wi-Fi icon on the upper left of the controller screen flashes, and the device enters the intelligent distribution network mode.

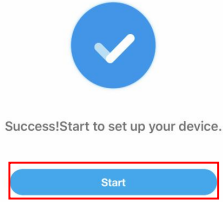


Choose the confirmation" *Device is in smart configuration mode*" then tap "*Next",* start to smart configuration.

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



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

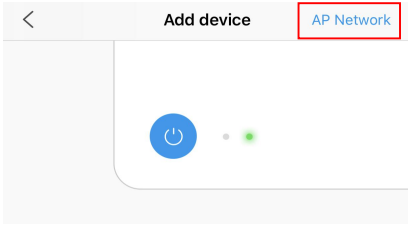


Tap "*Start*" to start using your device.

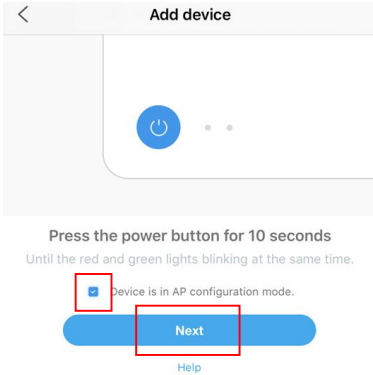
② AP Configuration ：

Long press the Wi-Fi key of the device for about 5 seconds, and see that the Wi-Fi with AP icon flashes in the upper left of the screen, and the device enter into the AP network

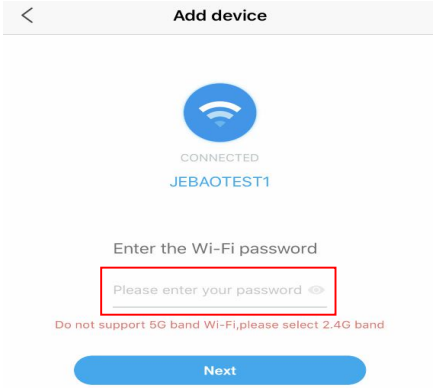
distribution mode.



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



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

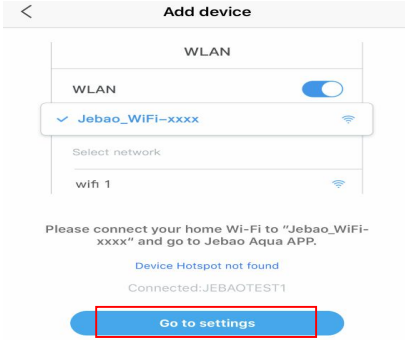


Enter the correct Wi-Fi password and tap "*Next*"

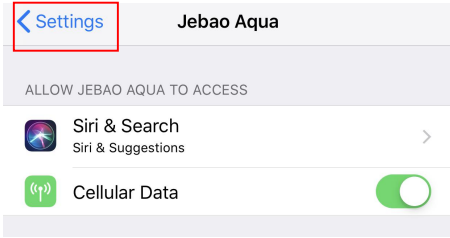
PS: Due to different operating system, IOS and Android operate differently in the following details.

A. IOS System：

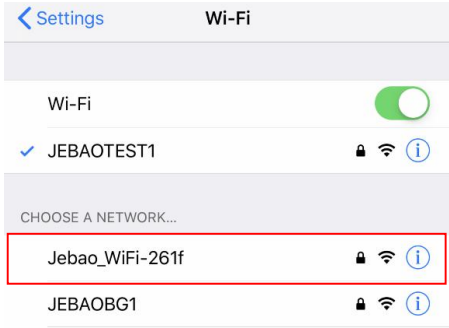
After entering the Wi-Fi password, you need to switch manually the Wi-Fi of the phone to "Jebao_WiFi-xxxx", the specific operation as below:



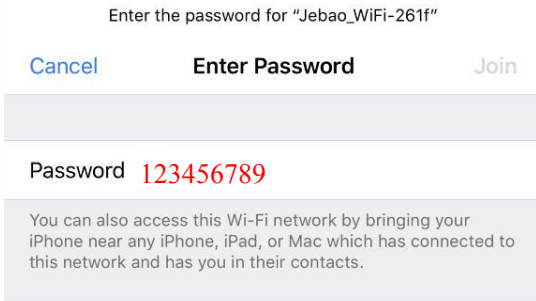
Tap *"Go to settings"*.



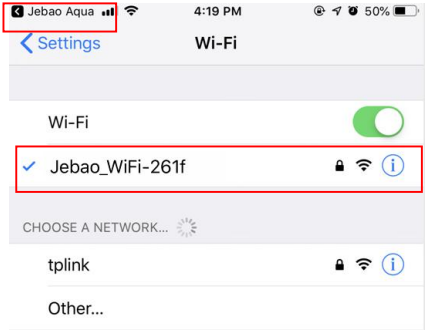
Tap "*Settings*" in the upper left corner to enter the mobile phone settings page, then enter the Wi-Fi setting page as below.



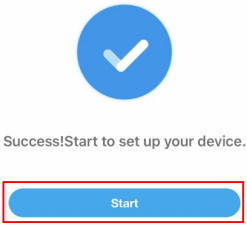
Go to Settings > Wi-Fi and choose the Jebao_WiFi-xxxx" with password 123456789.



After connection successfully, tap "*Jebao Aqua* "return back to the APP.

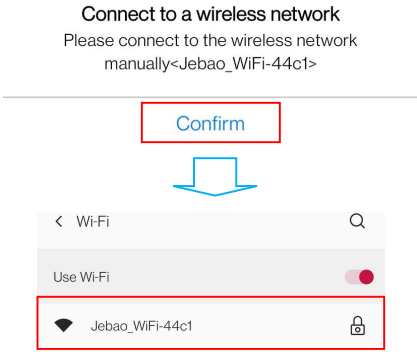


The configuration starts automatically. Tap "*Start"* to control the device after the device has been added successfully.



B. Android：

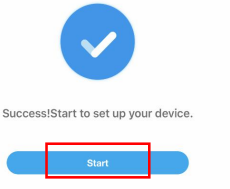
After input the Wi-Fi password, need to manually switch the Wi-Fi connection "Jebao_WiFi-xxxx". The specific operation is as follows.



click"*Confirm*", Enter the mobile phone Wi-Fi setting page.

on the Wi-Fi Settings screen, Switch the Wi-Fi of the mobile phone to "Jebao_WiFi-xxxx" with the password 123456789. After successful connection, manually return to APP, APP prompts to connect router Wi-Fi, tap "*Confirm*". Enter the mobile phone Wi-Fi setting page.

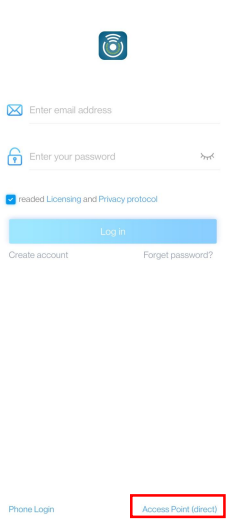
The phone automatically connects to the router Wi-Fi successfully and returns to the APP. Tap "*Start*" to control the device.



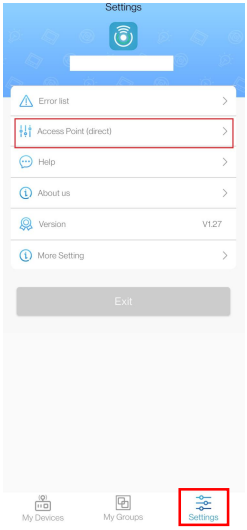
③ Hotspot (AP direct connection)

Press the Wi-Fi button of the device for 10 seconds until the blue and green lights of the status light flash and let go.

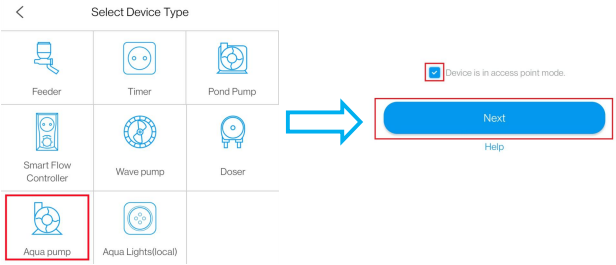
1.In the APP login interface, tap the "*Access Point (direct)*" connection at the bottom right or tap the *login* to enter the main interface and select the "*Access Point (direct)*" connection in "*Settings*".



or

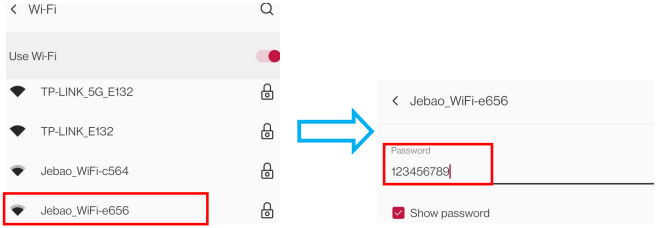


2. Select the device type, check the confirmed device to enter AP Hotspot mode and tap "*Next*".

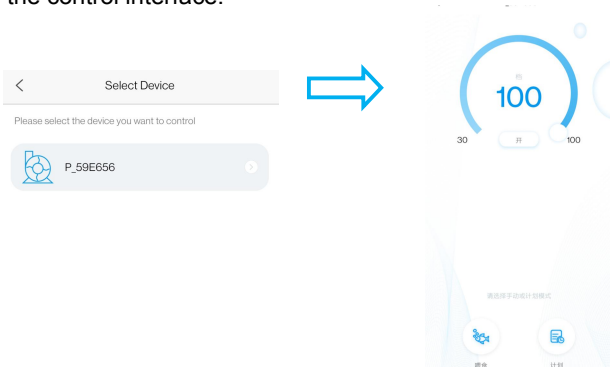


3. Select the Wi-Fi name of the device, tap *Confirm*. Jump to the phone Wi-Fi setting interface.

4. Select the hotspot "Jebao_WiFi-xxxx" issued by the device (the name is the same as the device name), enter the password 123456789 and tap Connection. Manually return to APP after successful connection.



5. Wait for the device to connect, and tap the device to enter the control interface.



Notice：

1. You may be asked to restart configuration process all over again if the Wi-Fi password input is incorrect.

2. Make sure the device, mobile phone and router are placed as close as possible.

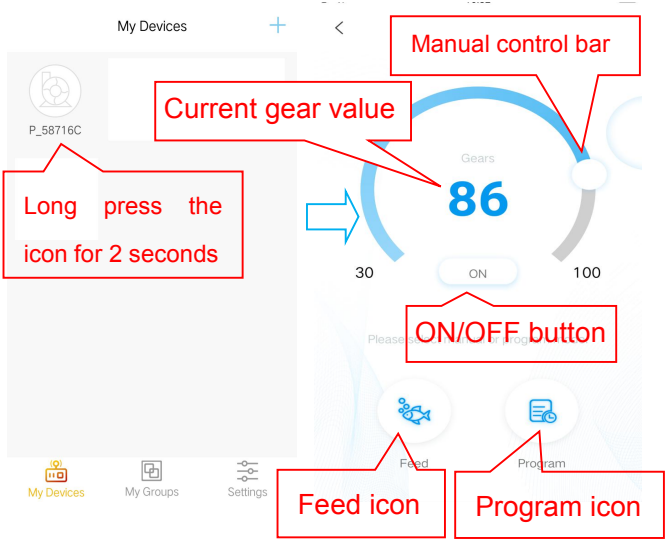
3. AP direct connection is only suitable for control of the device in a non-Wi-Fi environment. (Manual calibration time is required when the equipment is directly connected to AP after delivery. See *V.5 Pump Management* for detail.)

3. Pump control

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

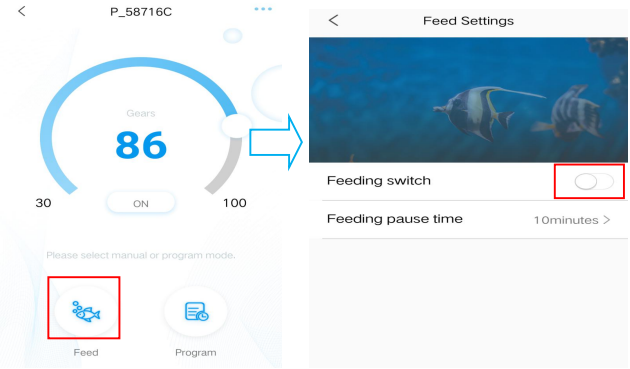
Manual mode:

Drag the arc progress bar (drag to the end then effective), Change the gear value of the pump. The minimum gear is 30 and the maximum is 100.

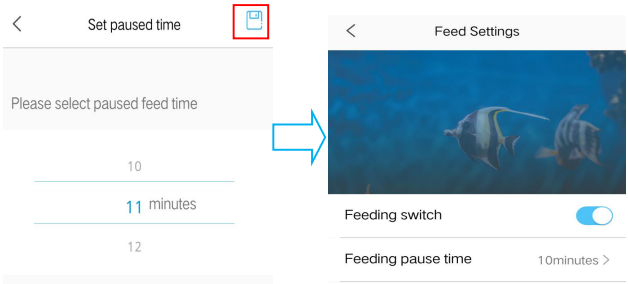


Manual feeding mode:

The pump will stop running immediately according to the setting feeding time. Press the "Feed" icon 2 seconds to enter the feed settings.

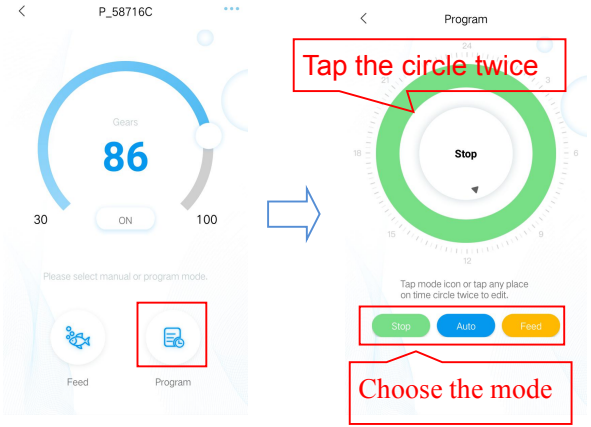


Set the feeding pause time, turn on the feeding switch, then tap save and return.

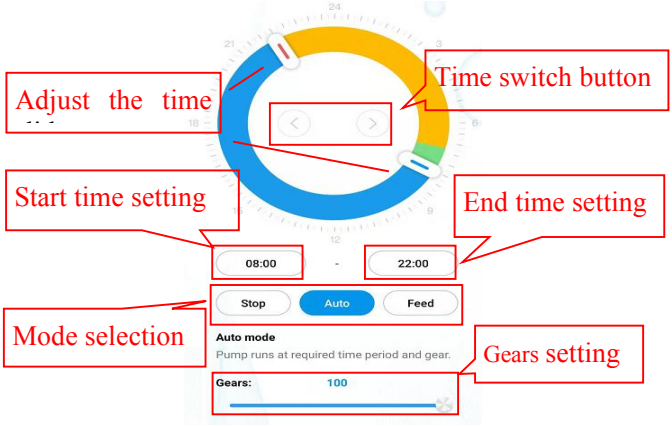


Program mode :

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.



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



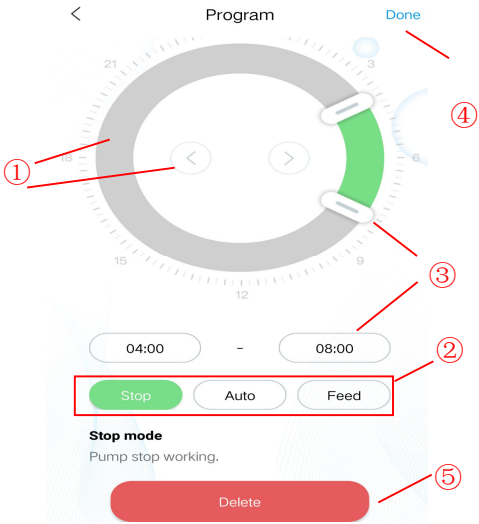
① Double-click the circle blank area to add the plan time period or use the time switch button to switch to the circle blank area to automatically add the plan time period.

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.



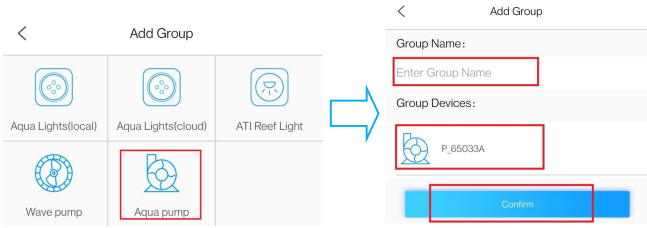
After the setup is completed, return back to the main page and tap the “plan” icon to run the plan mode.

Note: The plan mode will be closed if you manual to set the flow stage (Plan mode effect after ending the manual mode).

4.My Groups

1) Add a group

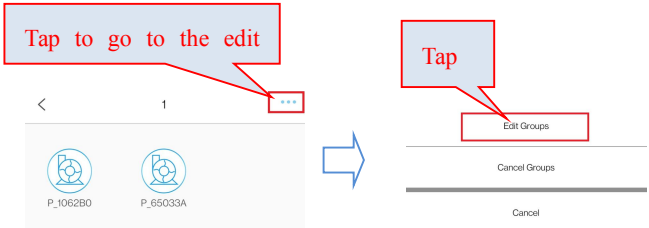
Select “ADD NOW” or the “+” sign on the upper right-hand side to add a group.



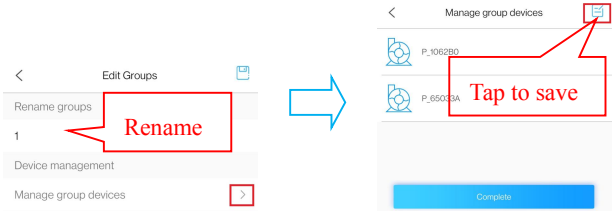
Tap “Aqua pump”, after enter the group name, select the pump that need to be grouped, and tap "*Confirm*".

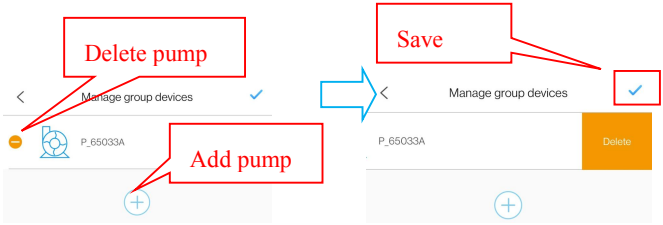
Tap “Setting”, enter the group control page, the operation and single pump control operation is the same.

2）Manage groups



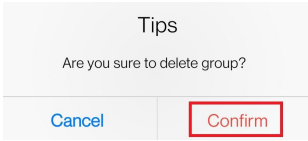
You may rename the group or re-select the pumps which you want to add or delete from the group.





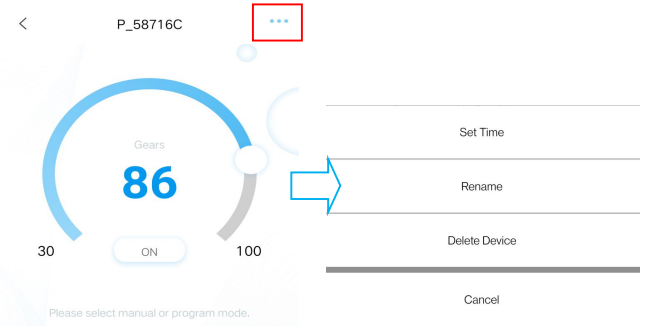
Tap “-” on the individual pump you want to delete and tap Delete to delete the pump

3） Delete Groups

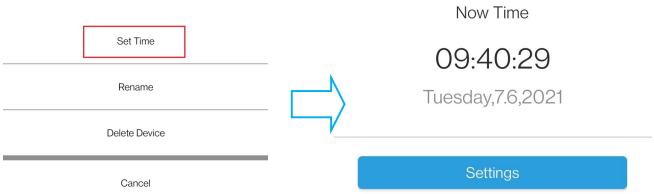


5. Pump Management

On the device's main page, tap ••• on upper right-hand side to device management page. User can calibration time, rename, delete device. To add back the device, user need to start configuration again.

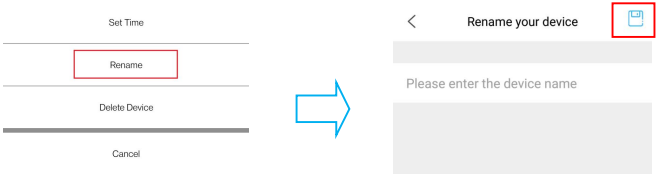


1. The factory time of the equipment may not be accurate, so the first time to use the AP direct connection mode of the mobile phone needs to set the calibration time (tap the *set time*).



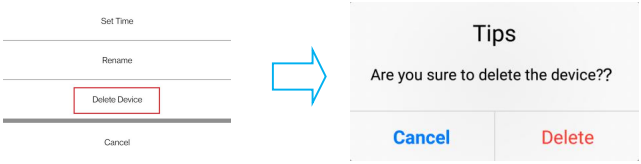
Set Time

2. Users can also change the name of the pump to facilitate management.

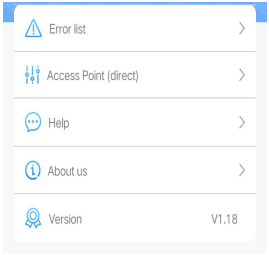


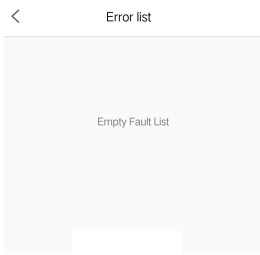
Rename

3.You can also delete the current pump, but when you want to add another pump, you should reconfigure the network to add the pump. Reset the Wi-Fi module if necessary.



6. Failure indication





Power indicator shows fault and APP fault prompt description:

When the controller works abnormally, the power indicator light will blink quickly. When the APP is opened, a fault prompt box will pop up and be displayed in the fault list.

APP prompt	power indicator	description
Controller over temperature	blinks twice quickly	The working current is abnormal. Check whether the water pump cable is short-circuited or the controller is abnormal.
	Slow flashing	The pump is in “feed” or “stop” mode.

Controller over current	Blink three times fast	The controller overheats. Check whether the controller is exposed to the sun or high temperature.
Water pump blocked	Blink four times fast	The pump is stuck. Check whether the water pump is jammed or improperly connected. Clean water pump impeller debris.
Controller over voltage	Blink fast for five times	The operating voltage is abnormal. Check the input voltage. Use a compliant power adapter.
Controller under voltage		
Pump idling	Blink 6 times fast	The pump is idling. Check whether the pump work dry. The pump must be filled with water before operation.
The Wi-Fi module fails to communicate with the mainboard		The motherboard is in bad contact with the module and the communication part is damaged. Contact suppliers or manufacturers.

VI. Maintenance

If the pump not work, check as following:

●Connect with another power to check if the circuit is connected, disconnect the power before operation;

●Check the pump inlet and outlet, check the connecting pipe for any dirt block;

●Remove the pump inlet to access the impeller. Turn around the rotor to check if broken or jammed.

●Monthly maintenance will prolong the 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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