

MAGIC CONTROLLING Wi-Fi MODULE

Keep your heat pump in hand

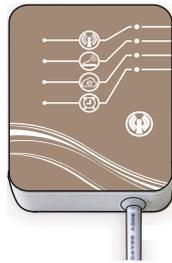
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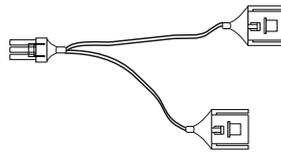
Using Instructions

1. Description of Wi-Fi module

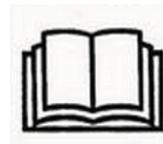
1.1 Contents of the accessory pack



(1)

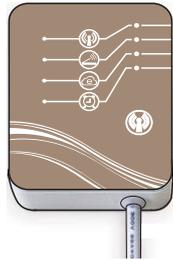


(1)



(1)

Or



(1)

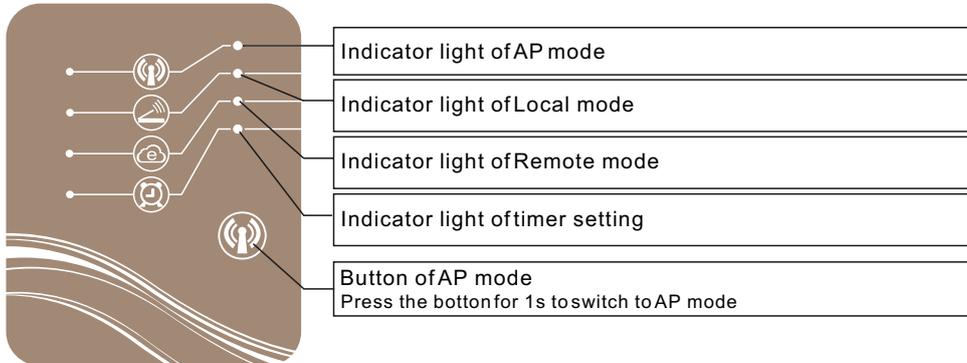


(1)

1.2 Description of Wi-Fi module



Using Instructions



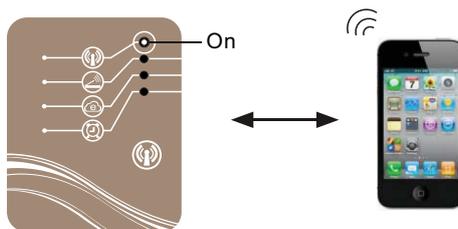
- Illustration of function of each indicator light can refer to page.4

1.3 Use WIFI module to control your equipment.

You can control the equipment by mobile devices based on 3 different connection modes below. Mobile device includes such as mobile phone, tablet PC, etc.

1.3.1 AP mode

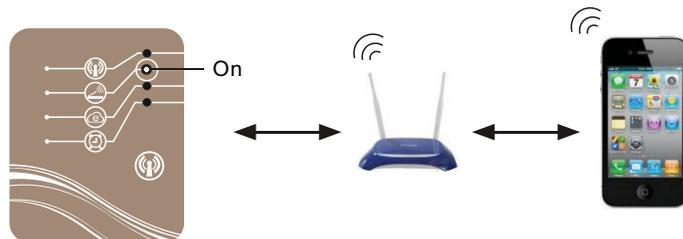
- Mobile device is connected with Wi-Fi module directly in this mode intended for
 - (a) setting connection between the Wi-Fi module and your router
 - (b) quickly controlling your equipment without any medium in exceptional cases. e.g. Maintaining, signal failure, etc.
- The open distance shall not overpass 50m and it supports 8 mobile devices at most.



Using Instructions

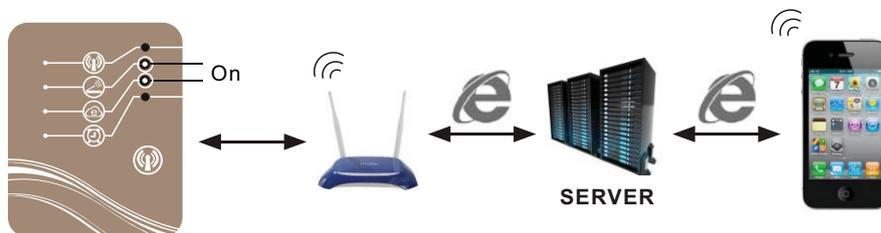
1.3.2 Local mode

- A router is needed under this mode for establishing a connection between your mobile device and Wi-Fi module.
- The range within which you can control the equipment depends on the signal coverage of your router.
- **You do not need to connect to internet under this mode.**



1.3.3 Remote mode

- A router is needed under this mode for establishing a connection between your mobile device and Wi-Fi module.
- You can control the equipment wherever you are.
- **You need to connect to internet under this mode.**



 **Note:**

Configuration of AP mode please refer to chapter 4.3.

Configuration of Local/Remote mode please refer to chapter 3.1,3.2.

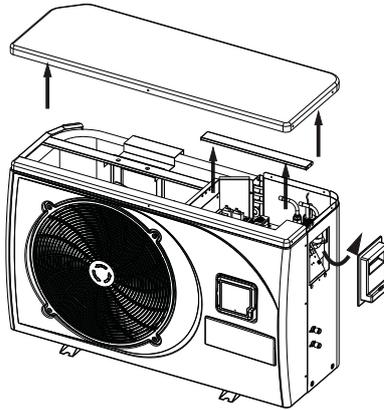
Using Instructions

1.4 Function of indicator lights

Indicator light	Function
AP mode	On - indicates that Wi-Fi module is under AP mode, and it can function as a router and can be directly connected with mobile devices. Off - indicates that Wi-Fi module is not under the AP mode.
Local mode	On - indicates that Wi-Fi module has been successfully connected with router. Off - indicates that the connection between Wi-Fi module and router fails. Quick flashing - indicates signals are being transmitting.
Remote mode	On - indicates that Wi-Fi module has successfully connected to remote server. Off - indicates that connection between Wi-Fi module and remote server fails. Quick flashing - indicates signals are being transmitting. Slow flashing - indicate that Wi-Fi module fails to be activated (how to activate please refer to page.11).
Timer	On - indicates that timer setting is available. Off - indicates that timer setting is not available.

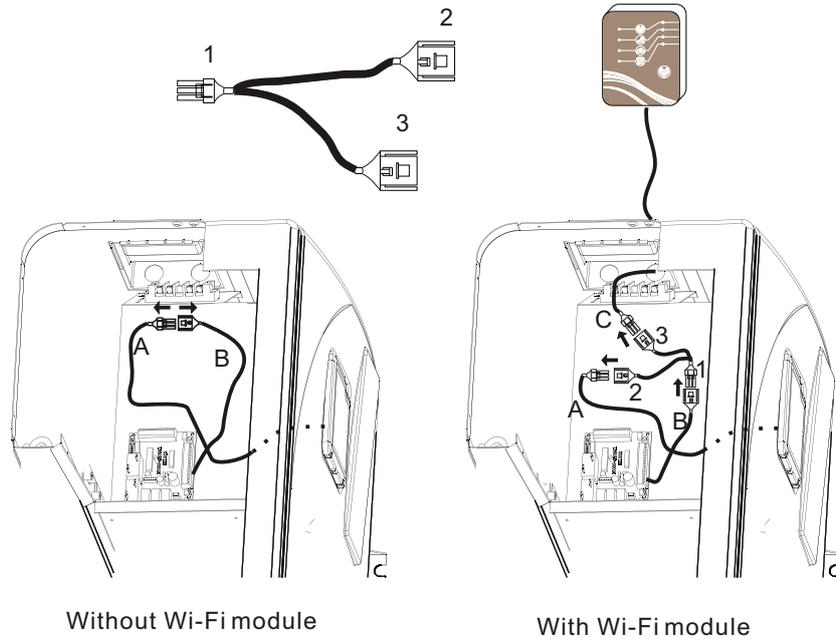
1.5 Install your Wi-Fi module

1.5.1 Take the top cover and protection cover apart from the equipment

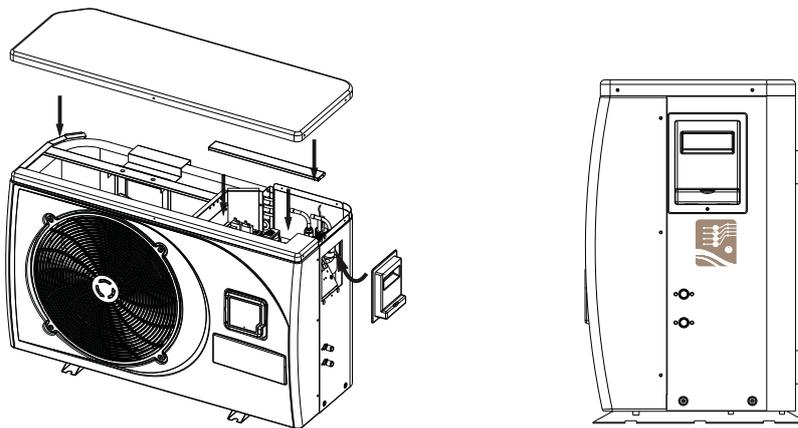


Using Instructions

1.5.2 Connect the Wi-Fi module to the equipment



1.5.3 Reinstall



Instructions for Use

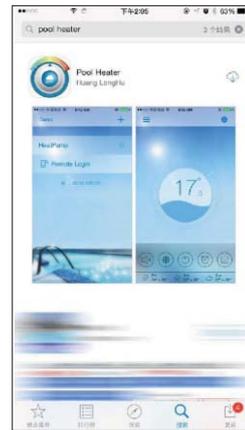
2. Installation of APP

2.1 APP for IOS

Search "pool heater" in App Store, download it and install.



Search "pool heater"



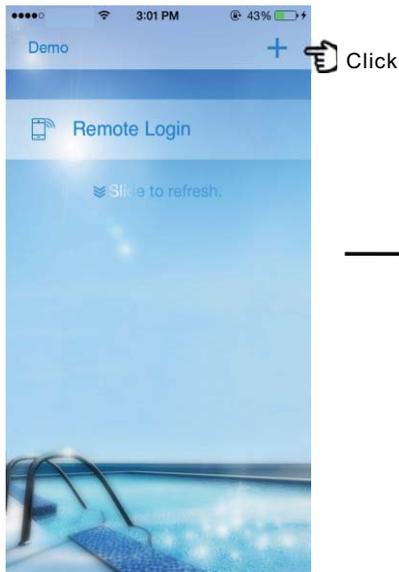
2.2 APP for Andriod

Search "pool heater" in Google Play, download it and install.

3. Configuration of connection modes

You shall configurate Local mode or Remote mode before first using, whereas AP mode is exceptional(see page.14).

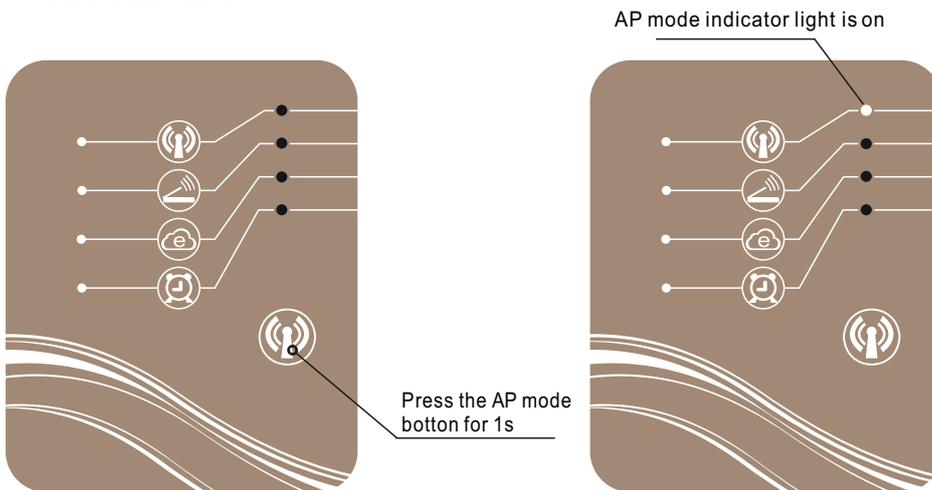
3.1 Local mode configuration



① Open the APP and click “ + ” at the top-right corner of the started interface.



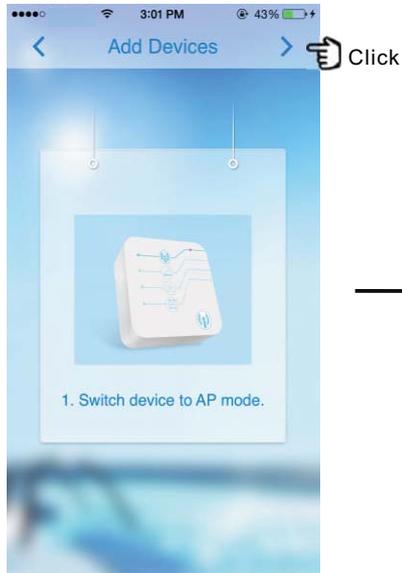
② Go to check your Wi-Fi module.



③ Switch Wi-Fi module to AP mode.

④ Wi-Fi module is under AP mode.

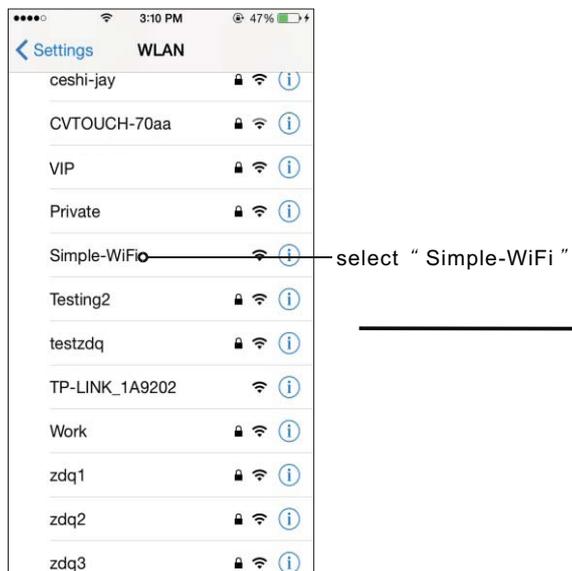
Instructions for Use



⑤ After insuring the indicator light of AP mode in on, click ">" at the top-right corner of this page.



⑥ Go to check your mobile device



⑦ In the page of Wi-Fi settings of your mobile device, "Simple-WiFi" will be available now.



⑧ Click ">" to continue.

Instructions for Use



If the Wi-Fi name to be connected with is not in the list or the list is blank, please click "Enter WiFi name" and type in Wi-Fi name and password.

Click → To connect your mobile with Wi-Fi module directly. Another way is described in page.14

- ⑨ Select the Wi-Fi name of the router which Wi-Fi module is going to be connected to.



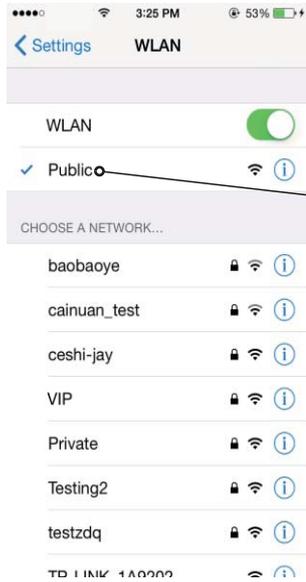
Here shows Wi-Fi name of the router which Wi-Fi module is being connected to.

Indicator light of AP mode will turn off
Indicator light of Local mode will turn on



- ⑩ Page will display as upper Figure if ⑨ is successfully done.
Indicator light of Local mode will turn on.
Indicator light of AP mode will turn off.

Instructions for Use



Make sure your device and Wi-Fi module are connected to the same router.

- ⑪ Connect your mobile device to the router which your Wi-Fi module has just connected to.



- ⑫ Click "✓" to finish



- ⑬ Wait patiently.

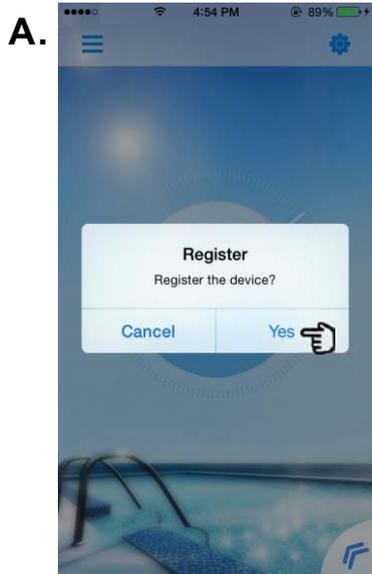


Done!

Instructions for Use

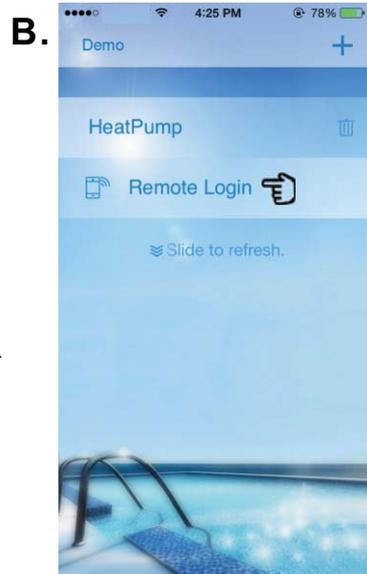
3.2 Remote mode configuration

There are 2 ways(A or B) available to configure Remote mode.



After configuring Local mode
(if your router is on internet and
Wi-Fi module is inactive)

OR



Click "Remote Login"
in the started interface

Enter ID and password to activate
your Wi-Fi module (see page.1)



Interface of login

Note:

- ID and password are randomly deployed, please keep them safely.
- If click "Cancel", this prompt box will pop up at each time of logging in.
- If click "OK", it will be activated immediately and the interface of login will not appear again.

Instructions for Use

4. Instructions of connection modes

4.1 Preparation and confirmation

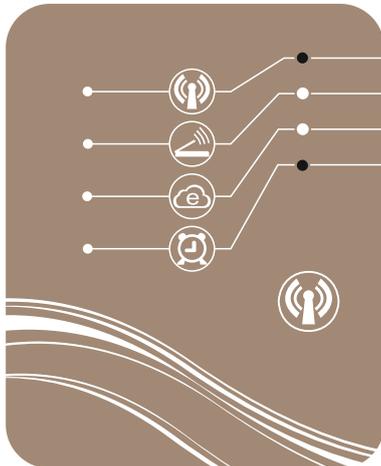
4.1.1 Local mode



To enter Local mode, you shall make sure the followings,

- (a) the Wi-Fi module is appropriately configured according to chapter 3.1.
- (b) indicator light of Local mode is on as left figure describes.
- (c) your mobile device is connected to the router which the Wi-Fi module has been configured into.

4.1.2 Remote mode



To enter Remote mode, you shall make sure the followings,

- (a) the Wi-Fi module is appropriately configured according to chapter 3.1.
- (b) indicator light of Local mode and Remote mode is on as left figure describes.
- (c) your Wi-Fi module has been successfully activated according to chapter 3.2.

Instructions for Use

4.2 Entry of Local/Remote mode

You can enter Local/Remote mode by an easy click when your mobile device and Wi-Fi module are successfully configured and ready.



① slide to refresh to search your equipment in started interface



② select your equipment



③ Wait patiently



Done!

Note:

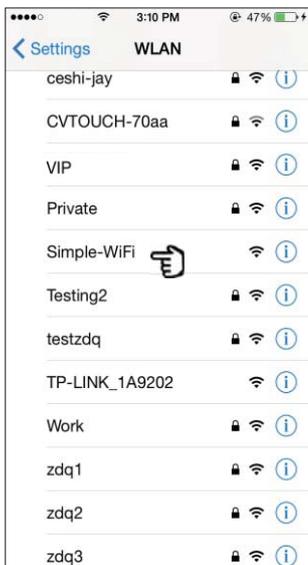
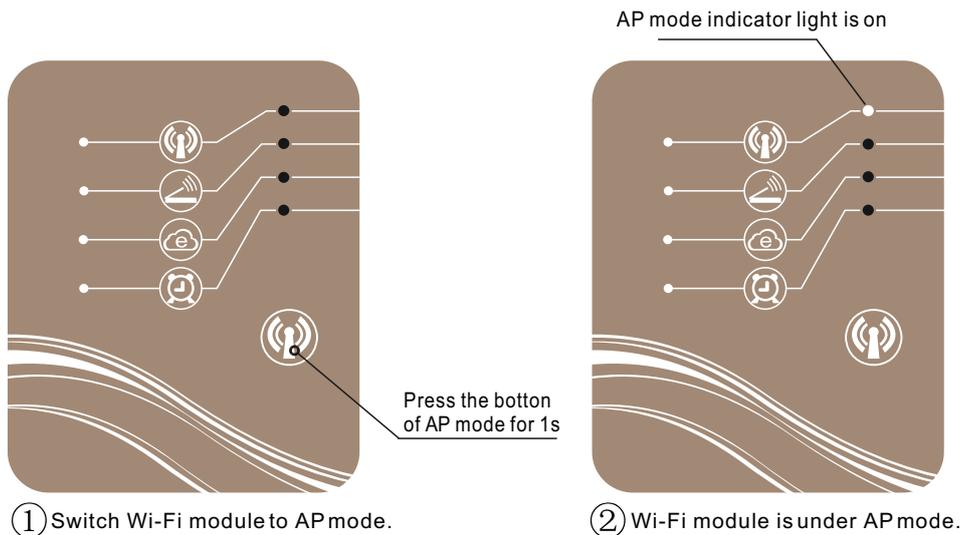
- Selection of mode is automatically based on your current network status.
- Local mode is prior to Remotemode when two of them are accessible.

E.g. When your mobile device is connected to a router which has been on internet and your Wi-Fi module is configured into this router as well, APP will automatically select Local mode for you.

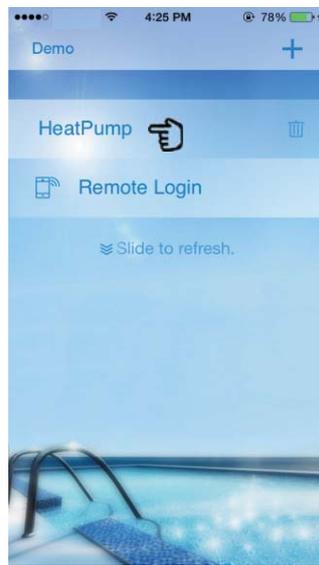
Instructions for Use

4.3 Entry of AP mode

Mobile device is connected with Wi-Fi module directly under this mode.



③ Select " Simple-WiFi "



④ Refresh and select your equipment



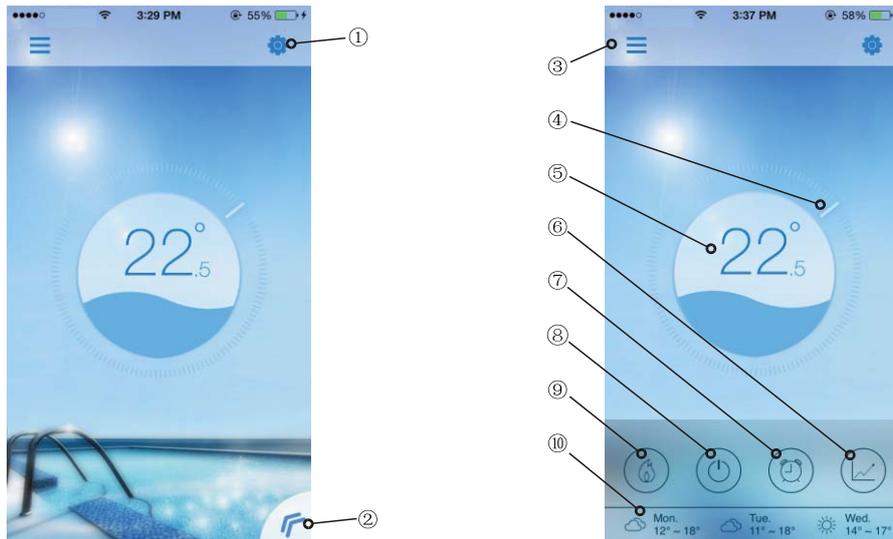
Done!

Note: Once you switch the connection from AP mode to Local/Remote mode, you shall configurate Local/Remote mode again according to chapter 3.1,3.2.

Instructions for Use

5. Instruction of operation

5.1 Description of interface



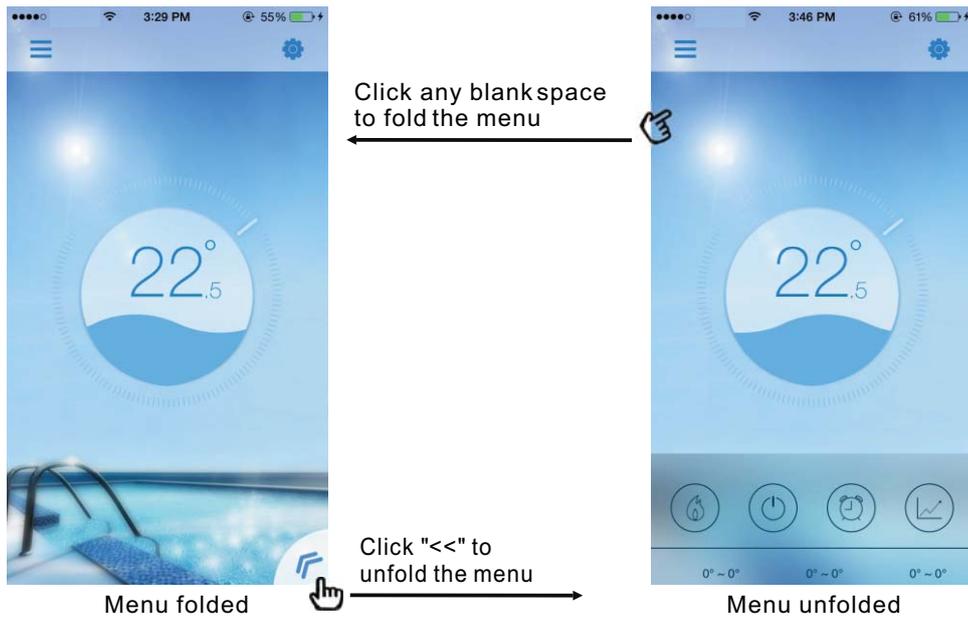
NO.	ICON	NAME	FUNCTIONS
		Setting	Click it to enter the setting interface(see page.20)
②		Menu	Click it to unfold the function menu(see page.16)
		Device list	Click it to back to the initial interface
		Target temp. Pointer	Press and hold to slide and adjust target temperature (see page.17)
		Current temp.	Display current pool water temperature
		Temp.curve	Click it to enter the temperature curve interface, where could check detailed information(see page.20)
⑦		Timer	Click it to enter the timer on/off and mute timer setting interface(see page.19)
		Power	Click it to turn on/off the equipment(see page.17)
		Mode shift	Click it to shift running mode of equipment among three modes: Cooling, heating and Auto(see page.18)
		Weather	Display the weather in three days

Instructions for Use

5.2 Description of function

5.2.1 Menu

- (1) Click "<<" to unfold the menu.
- (2) Click blank space in the interface to fold the menu.



Instructions for Use

5.2.2 Power

Click the "Power" icon to turn on/off equipment and corresponding operation interface is described as figures show below.



Interface of POWER OFF



Interface of POWER ON

5.2.3 Setting target temperature

- (1) Press on the pointer.
- (2) Slide clockwise to decrease target temperature, Slide anticlockwise to increase target temperature.



Increase target.Temp



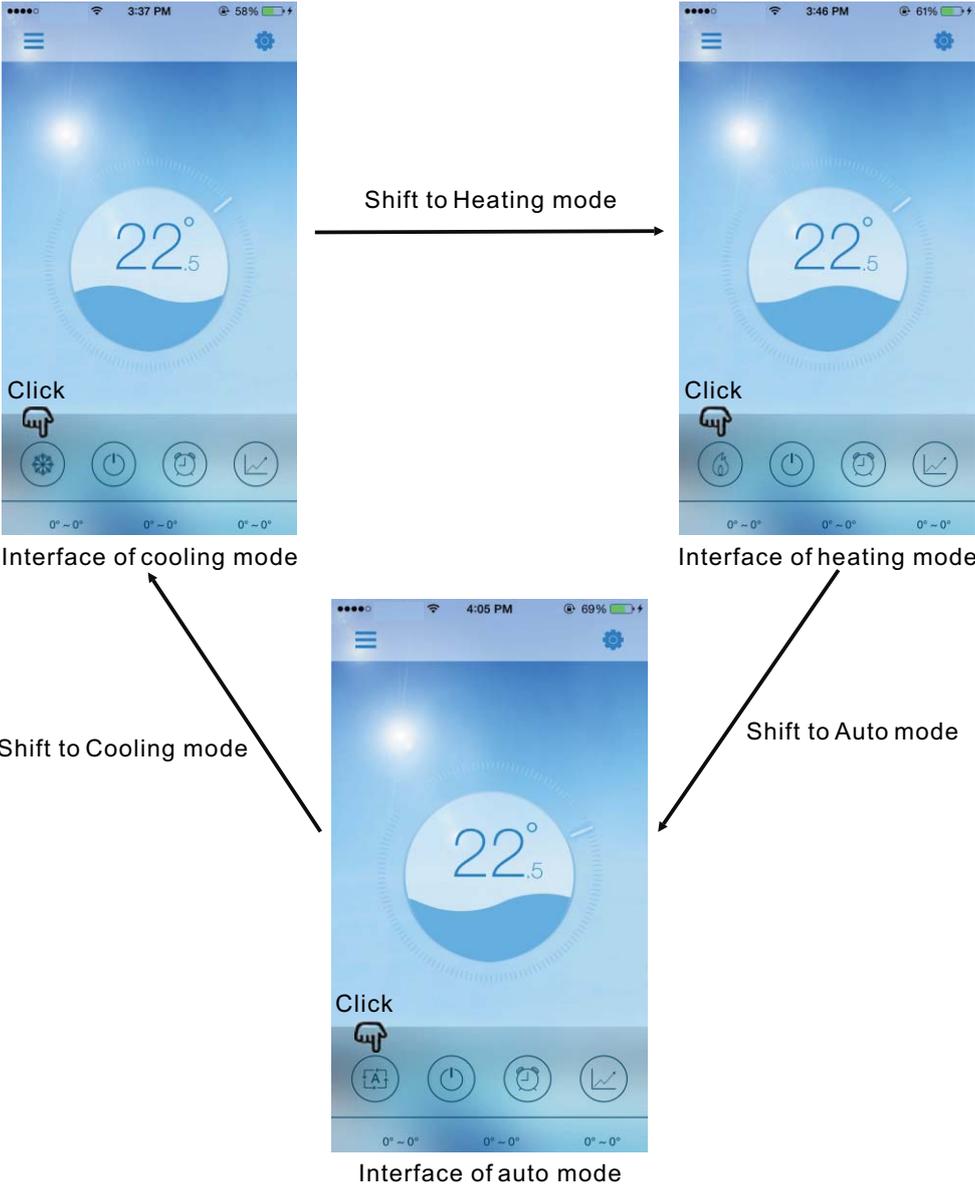
Decrease target.Temp

Instructions for Use

5.2.4 Mode's shifting

Click the "Mode shift" icon to shift running mode of equipment.

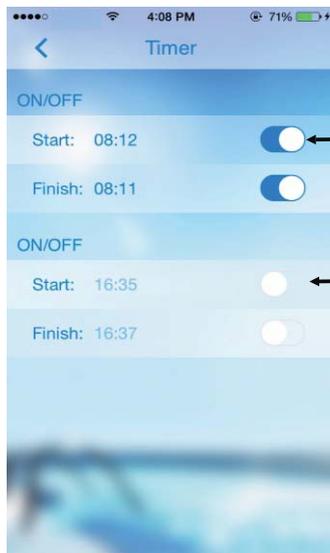
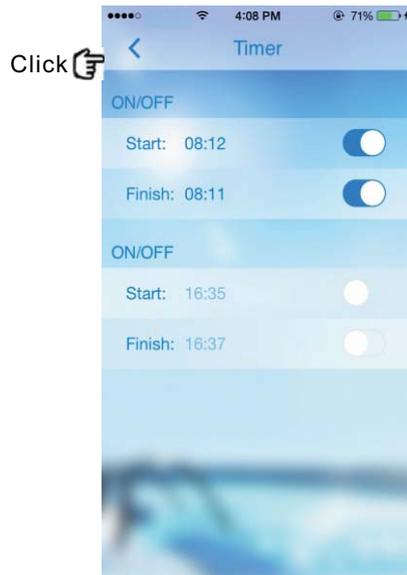
The sequence of shifting is "Heating→Cooling→Auto" and that cycle repeats.



Instructions for Use

5.2.5 Timer setting

- (1) Click "Timer" icon to enter the timer setting interface.
- (2) Click "<" to return to previous interface.
- (3) 2 independent groups of timer are provided for setting.

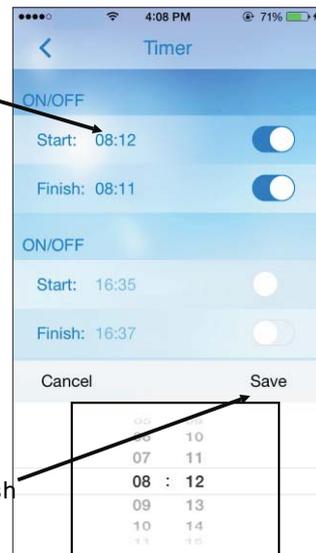


Click characters to set timer

Slide rightwards to start timer

Slide leftwards to close timer

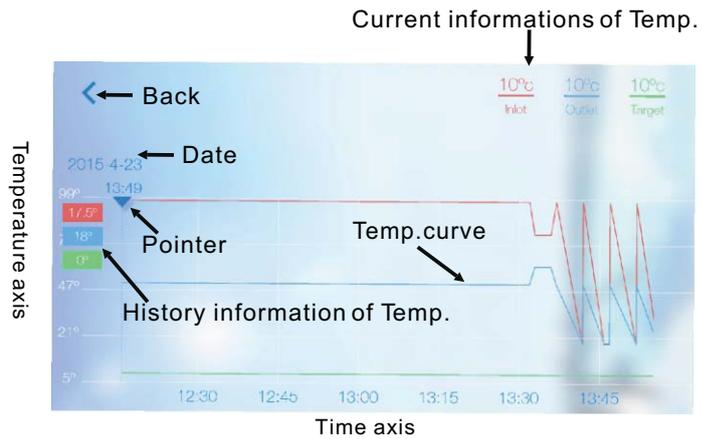
Click "Save" to finish



Instructions for Use

5.2.6 Check the Temp.curve

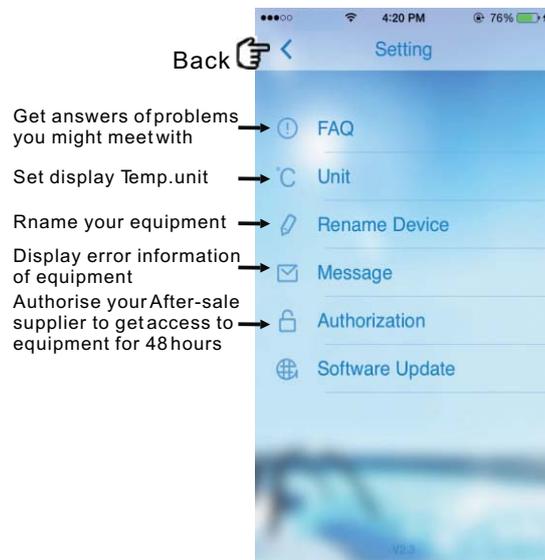
- You can get current or history(up to past 30 days) informations of variation of temperature by easily sliding the pointer.
- With two fingers you can zoom in/out the Temp.curve.



Interface of Temp.curve

5.2.7 Settings

Click "Settings" icon to enter the interface of settings.



Instructions for Use

6. FAQ

6.1 Enter AP mode successfully:

"Indicator light of AP mode" is on, whereas "indicator light of Local mode" and "indicator light of Remote mode" are off.

6.2 Enter Remote mode successfully:

"Indicator light of AP mode" is off, whereas "indicator light of Local mode" and "indicator light of Remote mode" are on.

(If "indicator light of Remote mode" is off, it means that the connection to the remote server is failed, please check whether your router is appropriately connected to internet.)

6.3 When the indicator light of AP mode is on, why my device can not search the equipment ?

(1) Make sure your device is connected to "Simple-WiFi" (see page.7-8).

(2) Try to search your equipment in a shorter distance, and avoid obstacles which may cause signal attenuation.

6.4 The distance between my device and router is too long which results in a signal instability.

Try to add another router between the original router and the equipment in order to relay signal.

6.5 Something goes wrong with my equipment, what should I do?

(1) Check error message in Setting (see page.20) or displayed in wire controller.

(2) Look up corresponding error code in the instruction of your equipment to find out the problem.

(3) Contact your supplier for after-sales maintenance if necessary.

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