



MAGIC CONTROLLING WiFi MODULE

Keep your heat pump in hand

Instructions for Use

Instructions for functions of the wireless WiFi module (the device shall be online at any time)

If the device purchased is provided with the wireless communication control functions, it is allowed to control the device directly by intelligent terminals (such as smart phone, tablet, etc.).

1. Two connection modes are available for controlling device by phone, tablet and other intelligent terminals.

- 1) AP mode
- 2) Network mode

2. What are AP mode and network mode?

- 1) AP mode

AP mode: refer to the connection mode that the wireless WiFi module is able to independently establish a wireless network and function as the router, so that device can directly connect with intelligent terminal and receive control. The open distance shall not overpass 50m and it supports 8 intelligent terminals at most.

- 2) Network mode

Network mode: intelligent terminals can connect with router to directly control device or take use of Internet for control.

3. Functions Of AP Mode And Network Mode

- 1) AP mode

It can only be used for device control within short distance or when no wireless network is available. No router or wireless network is necessary. The open control distance shall not overpass 50m. And the AP mode can be directly used to control device at home.

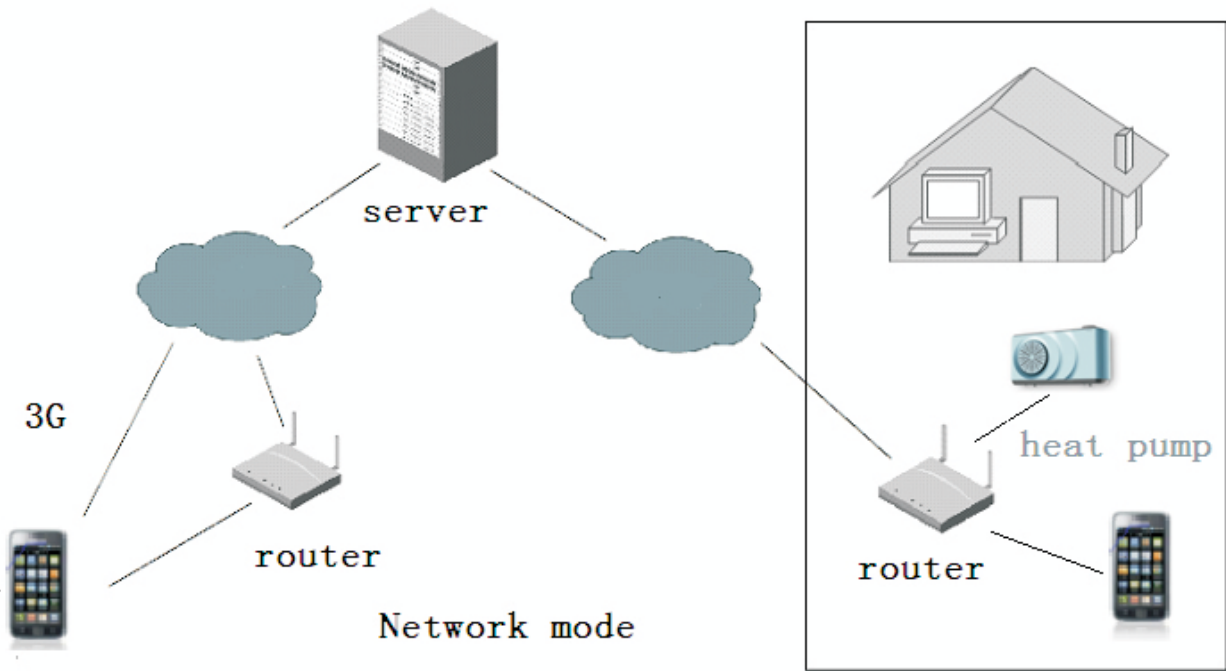
- 2) Network mode

1. Wireless WiFi module can be connected to the network at home or from other routers and intelligent terminals can control device directly through routers. It is also called local area network (current module and terminal shall be within the network segment of the same router and the terminal shall be used within the signal scope of the wireless router).

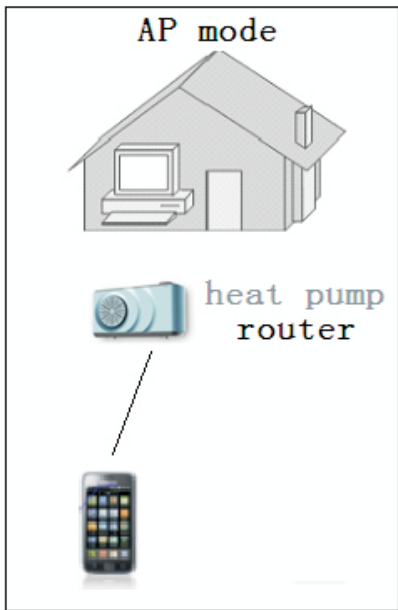
2. When the terminal overpasses certain network segment or is not of the same one with the module, as long as the terminal can connect with network, it can realize remote control of device by remote login. It is also called remote mode.

4. Schematic Diagram Of Network Mode Connection

Instructions for Use



5. Schematic Diagram Of AP Mode Connection



6. Diagram Of Wireless WiFi Module

	AP mode indicator light
	Network connection indicator light
	Remote connection indicator light
	Timer setting indicator light
	AP mode key: Press the key for AP mode and network mode shift Under network mode, press the "AP mode key" for 1s to shift to the AP mode;

Instructions for Use

Indicator light	Function
AP mode	On - indicate that device is under the AP mode, and it can function as a router and can directly connect with terminal devices; Off - indicate that device is not under the AP mode.
Network connection	On - indicate that device has successfully connected with router; Off- indicate that the connection between device and router fails; Quick flashing - indicate that interface is transmitting signals.
Remote connection	On - indicate that device has successfully connected with remote sever; Off - indicate that connection between device and remote sever fails; Quick flashing - indicate that interface is transmitting signals. Slow flashing - indicate that device fails to activate bar code, for which, intelligent device is required. Otherwise, remote control of device will fail.
Timer setting	On - indicate that timer set is available; Off - indicate that timer set is not available.

Instructions For Operation Of Android Phone App

1. Downloading And Uninstall Of Android Phone App

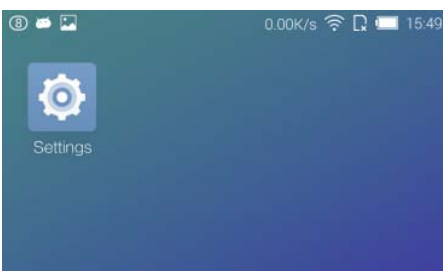
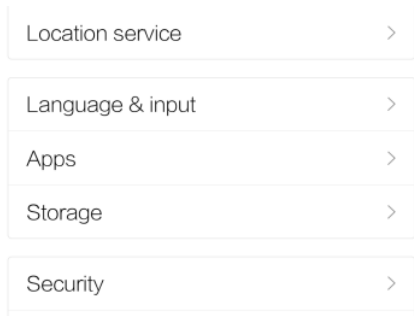
(1) Downloading And Installation

1) Installation

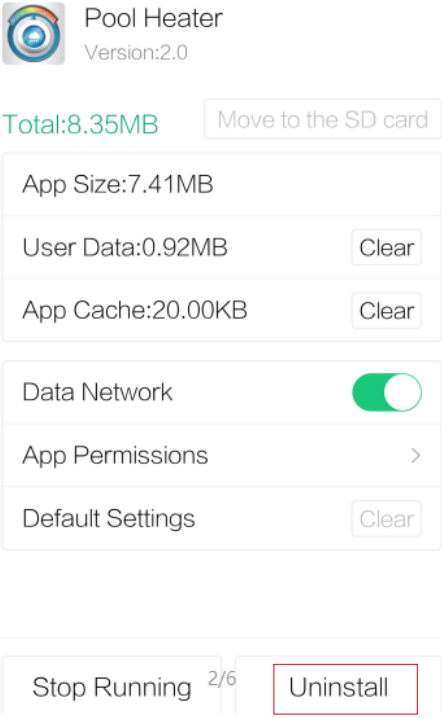
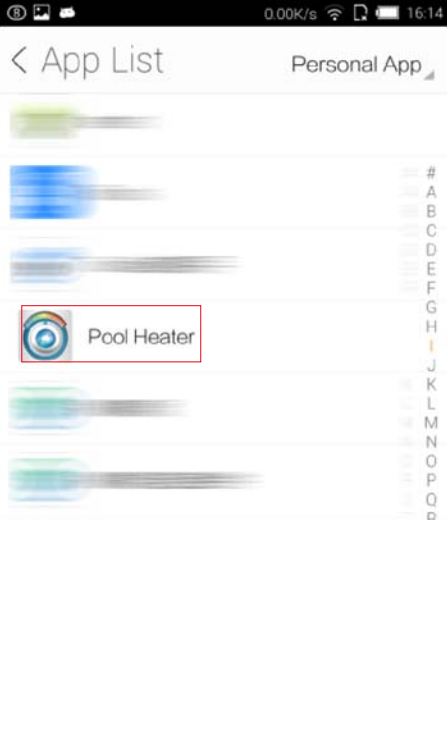
Please download the app of Pool Heater at Google Play before installation;

(2) Uninstall

- 1) Click “setting” at your phone main interface to enter the setting page
- 2) Find “Apps” and enter
- 3) Find “Pool Heater” and enter
- 4) Click “Uninstall” to delete the Pool Heater app.

	<p>Click “setting” and enter</p>	
		<p>click “Apps” and enter</p>

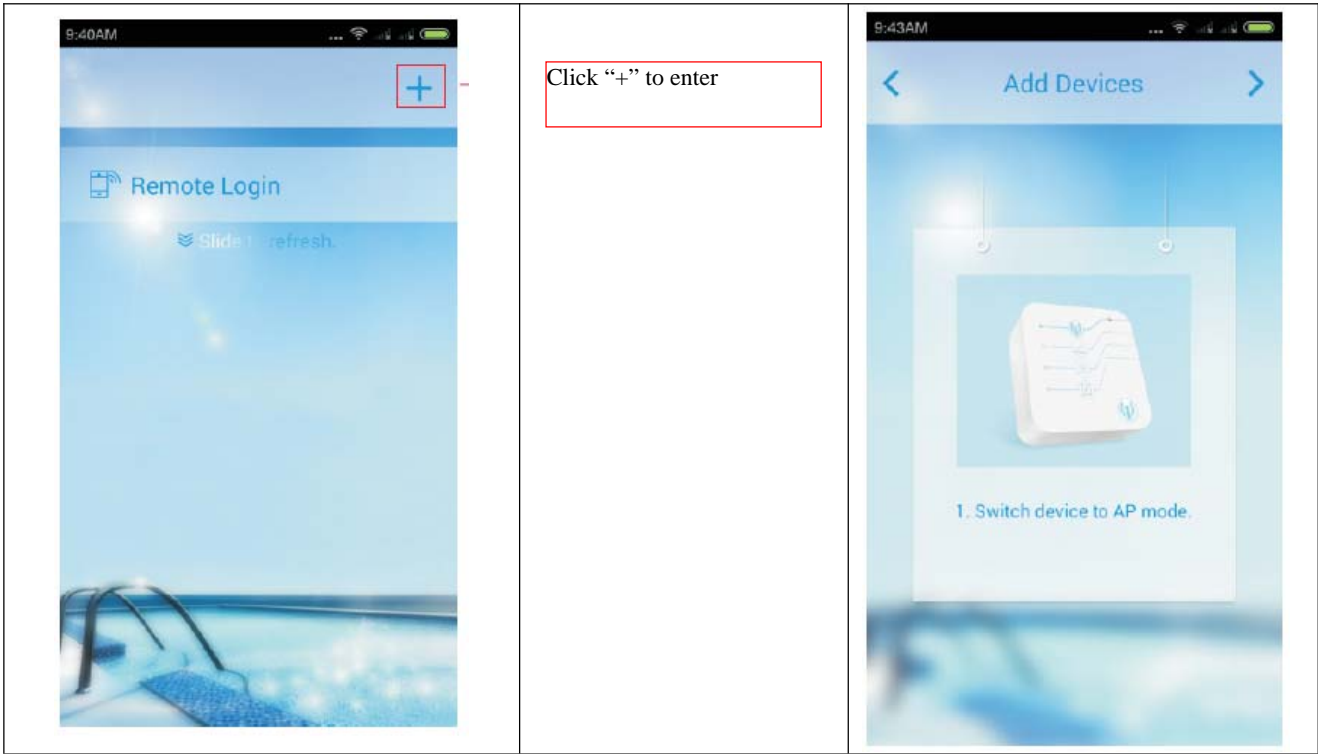
Instructions for Use

 <p>Pool Heater Version:2.0</p> <p>Total:8.35MB Move to the SD card</p> <p>App Size:7.41MB</p> <p>User Data:0.92MB Clear</p> <p>App Cache:20.00KB Clear</p> <p>Data Network <input checked="" type="checkbox"/></p> <p>App Permissions ></p> <p>Default Settings Clear</p> <p>Stop Running ^{2/6} Uninstall</p>		 <p>< App List Personal App</p> <p>Pool Heater</p>
<p>Click “Uninstall” to delete the app.</p>		<p>Click “Pool Heater” and enter</p>

Instructions for Use

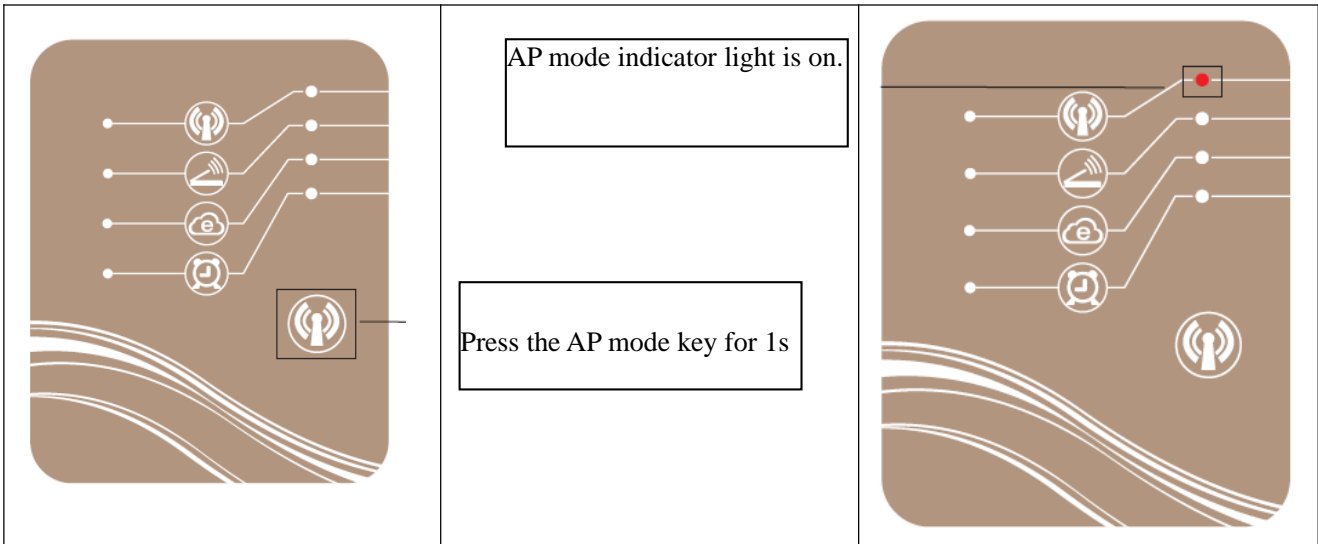
2. Operation of Android Phone App

(1) Click “+” to enter operation and shift from AP mode to network mode (confirm Simple-WiFi is connected)

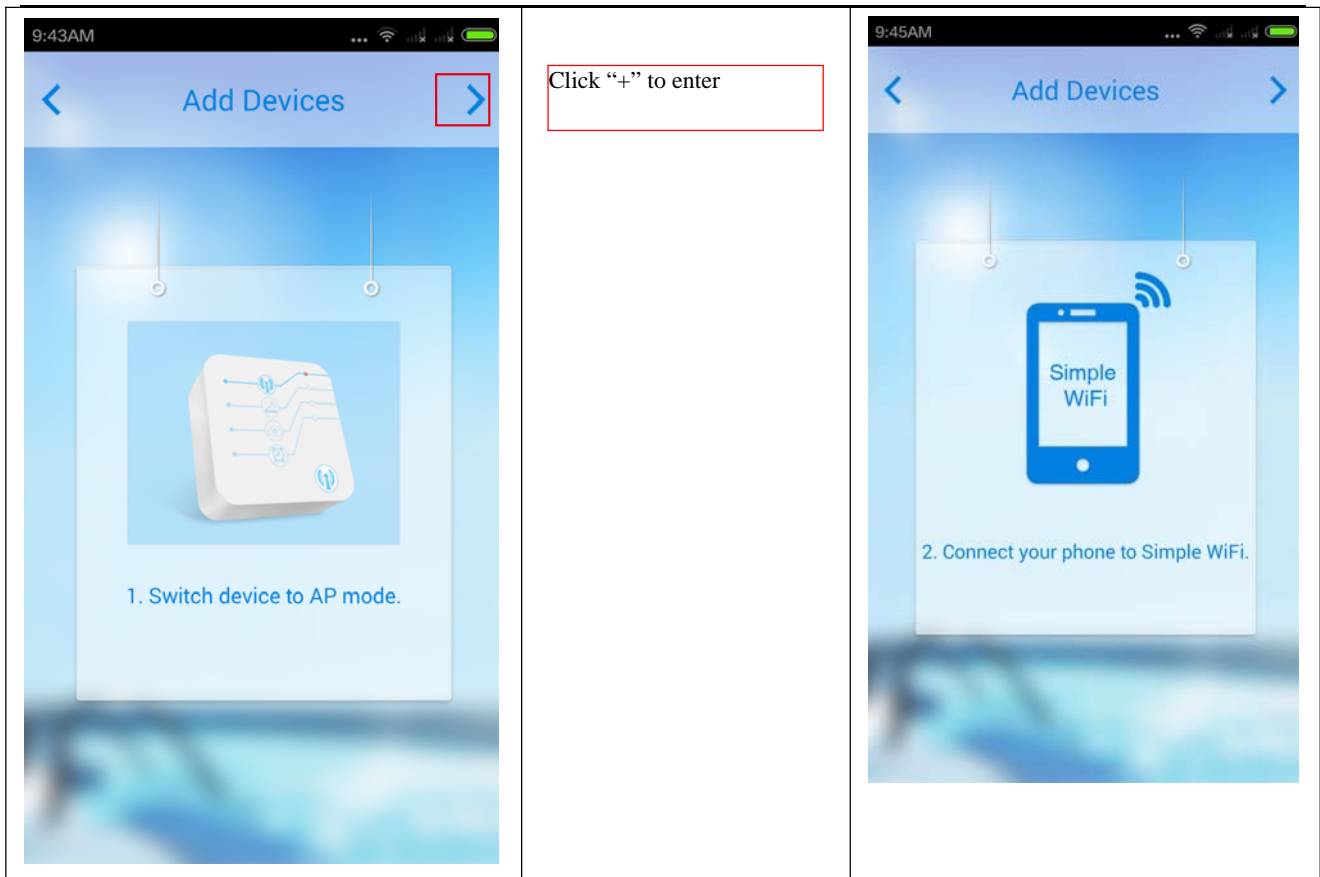


(2) Connecting AP mode (please connect before first using)

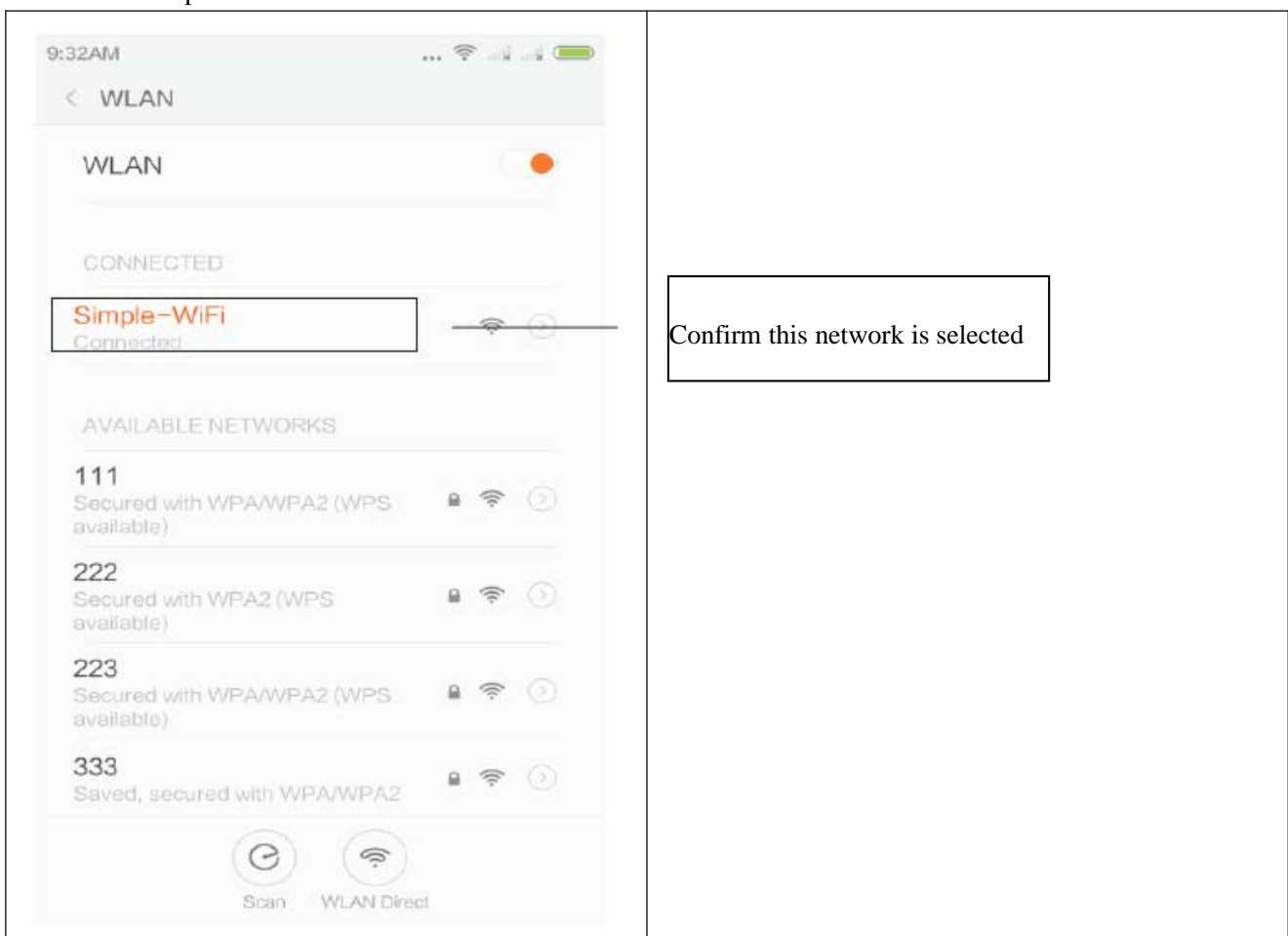
1) Press the AP mode key for 1s and the indicator light is on (refer to instructions for wireless WiFi module)



Instructions for Use



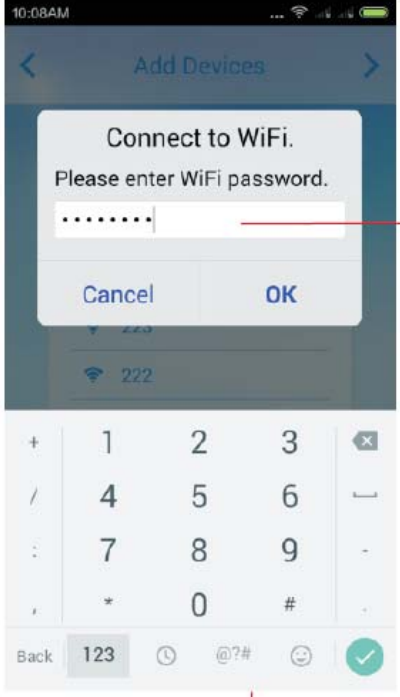



(3) Back to the WiFi interface. The WiFi "Simple-WiFi" will be available. Connect your phone to "Simple-WiFi".








Instructions for Use

(4) Back to "Pool Heater" App.

	<p>Click ">" to continue</p> <p>Click the WiFi name to connect</p> <p>If the WiFi name to be connected is not in the list or the list is blank, please click "Enter WiFi name"</p> <p>If you want to experience the app directly without configuration, please click here</p>	
	<p>Please enter your WiFi name</p> <p>Please enter your WiFi password</p> <p>Please enter your WiFi password</p>	

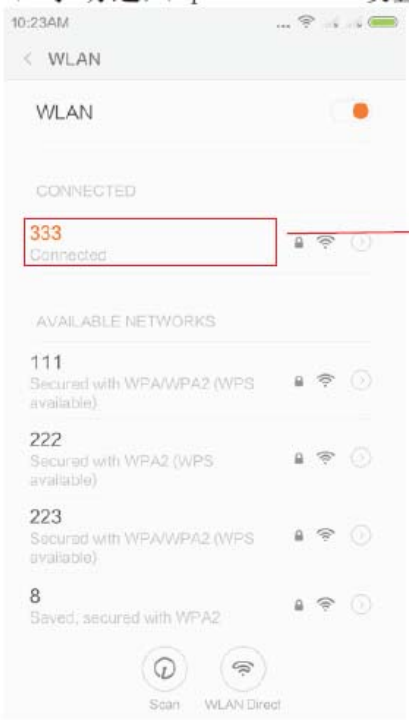
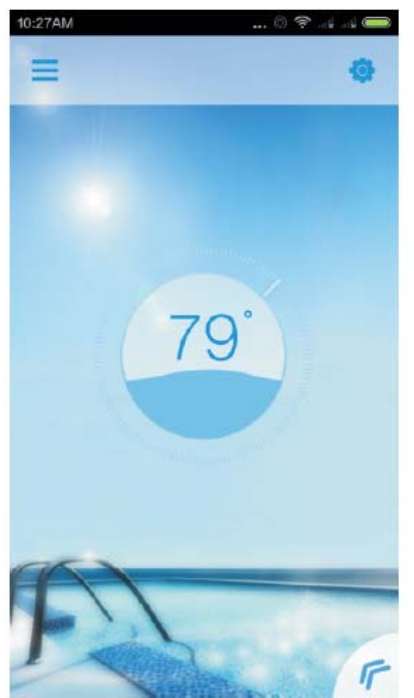
Click "OK" to continue

Instructions for Use

		
	<p>Check wireless WiFi module Network indicator light is on</p>	 
<p> Note: after connecting with new network, AP mode indicator light will be off, while network indicator light will be on. Please check and ensure your phone is connected to new network</p>		

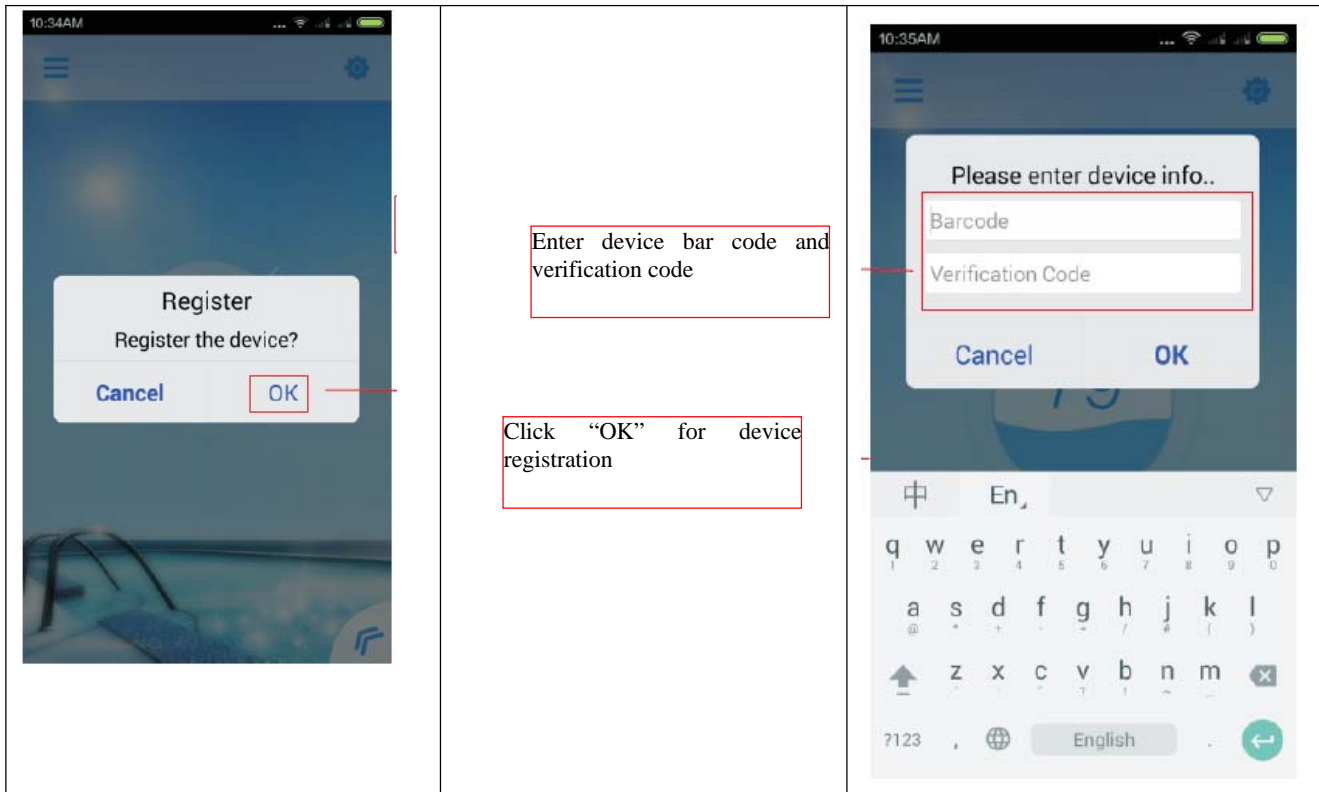
Instructions for Use

(5) Enter iPhone WiFi setting page manually

 <p>The screenshot shows the iPhone 'WLAN' settings page. The 'WLAN' toggle is turned on. Under the 'CONNECTED' section, the network '333' is highlighted with a red box and labeled 'Connected'. Below it, under 'AVAILABLE NETWORKS', are three other networks: '111', '222', and '223', each with a lock icon and a refresh icon. At the bottom, there are 'Scan' and 'WLAN Direct' buttons.</p>	<p>Connect the network selected in step (3)</p> <p>Returning back Pool Heater</p>	 <p>The screenshot shows the Pool Heater app interface. It features a large circular temperature gauge in the center displaying '79°'. The background is a blue sky with a sun and a pool of water. There are navigation icons at the top (a hamburger menu and a gear) and a logo at the bottom right.</p>
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Instructions for Use

(5) Under logging in interface, select “Local” mode and click device searching to search for available device.



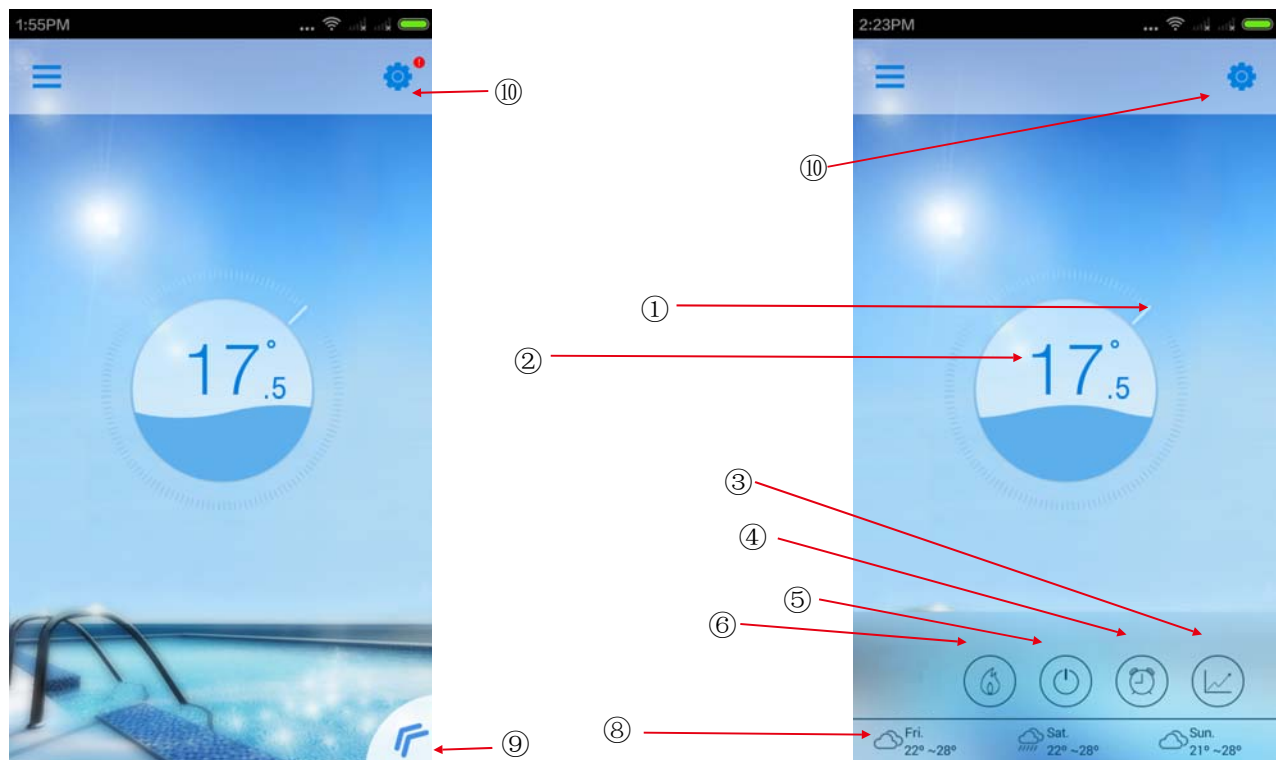
Note: device bar code and verification code is randomly deployed.

If click “Cancel” for latter activation, this prompt box will pop up at each time of logging in;





If click “OK”, it will be activated immediately and it will be able to smoothly enter at next time of logging in.

(5) Directly enter the main interface of control upon successful activation.





Instructions for Use



1) Instructions For Key Function Of The Main Interface



No.	Key sign	Key name	Key functions
①		Target temperature adjustment	Adjust the pointer of target temperature. Press and hold to slide and set up target temperature, which will decrease clockwise and increase anticlockwise.
③		Temperature curve	Click the key to enter the temperature curve interface, where could check history temperature curve, inlet and outlet water temperature and water pump revolving speed.
④		Timer	Click the key to enter the timer on/off and mute timer setting interface.
⑤		Power	Click the key to turn on/off the device.

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⑥		Mode shift	Click the key to shift among three modes circularly, i.e. Cooling, heating and automatic modes.
⑨		Menu	Click the key to unfold the function menu.
⑩		Setting	Click the key to enter the setting interface.
		Device list	Click the key to return back the device list interface.

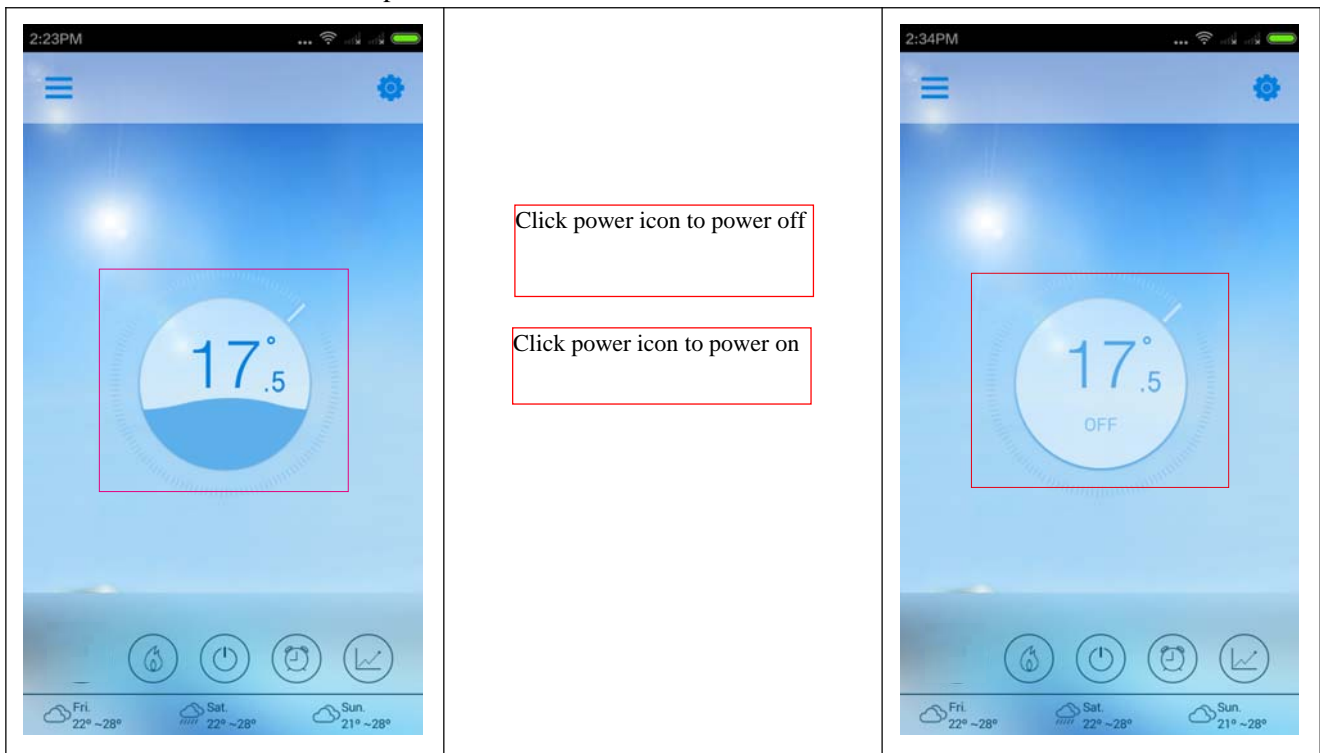
Instructions for Use

2) Instructions For Display Signs Of The Main Interface

No.	Icon sign	Sign meanings and functions
②		Display current pool water temperature.
⑧		Display weather situations in three days.

3) Operation Of Powering ON/OFF

- 6.3.1) In powering off status, click the power key, water wave appears in the center circle interface, meaning that the device is powered on;
- 6.3.2) In powering on status, click the power key, “OFF” appears in the center circle interface, meaning that the device is powered off;



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Instructions for Use

4) Operation Of Modes Shift

- 6.4.1) When the mode key is in cooling mode, click it to display the heating icon, now the heating mode is on;
- 6.4.2) When the mode key is in heating mode, click it to display the automatic icon, now the automatic mode is on;
- 6.4.3) When the mode key is in automatic mode, click it to display the cooling icon, now the cooling mode is on;

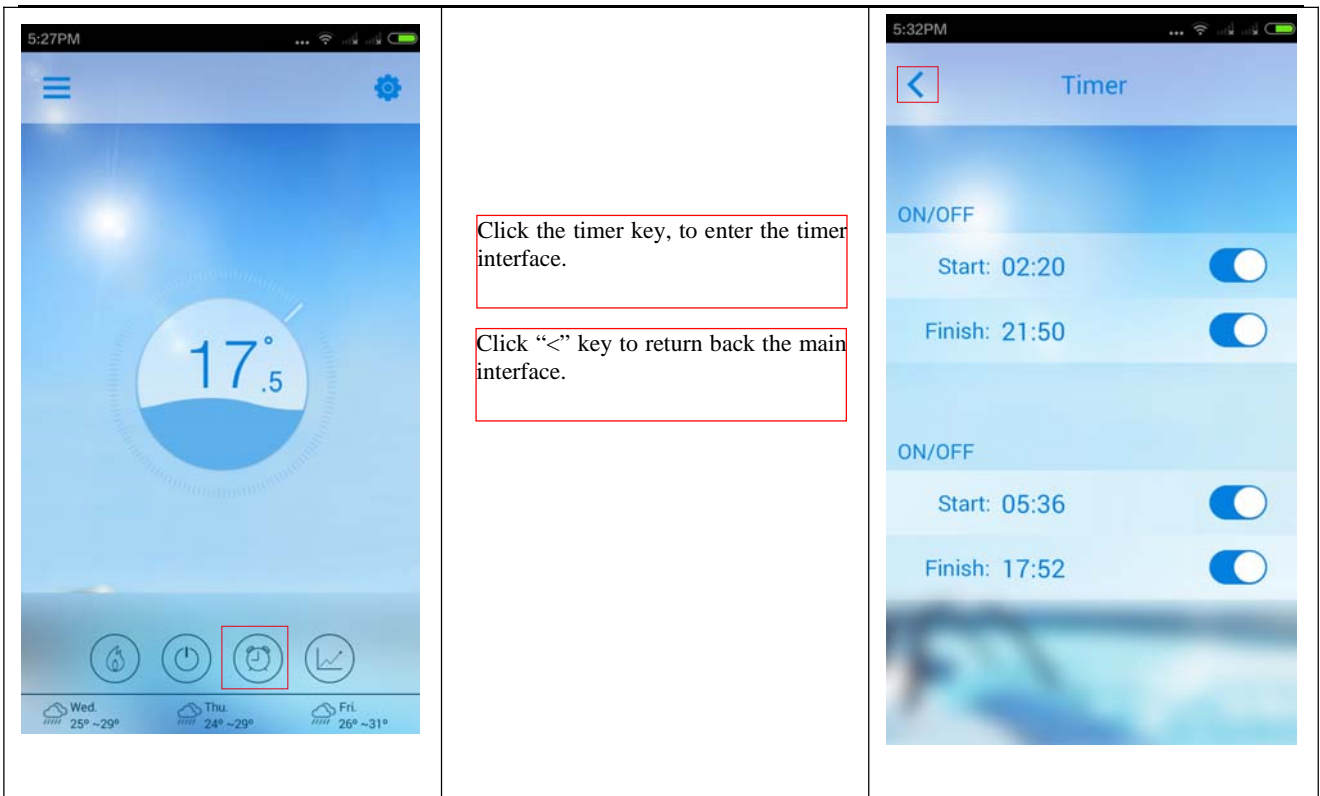


Click the mode key to shift to heating mode.	Click the mode key to shift to automatic mode.	Click the mode key to shift to cooling mode.
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5) Operation of timer

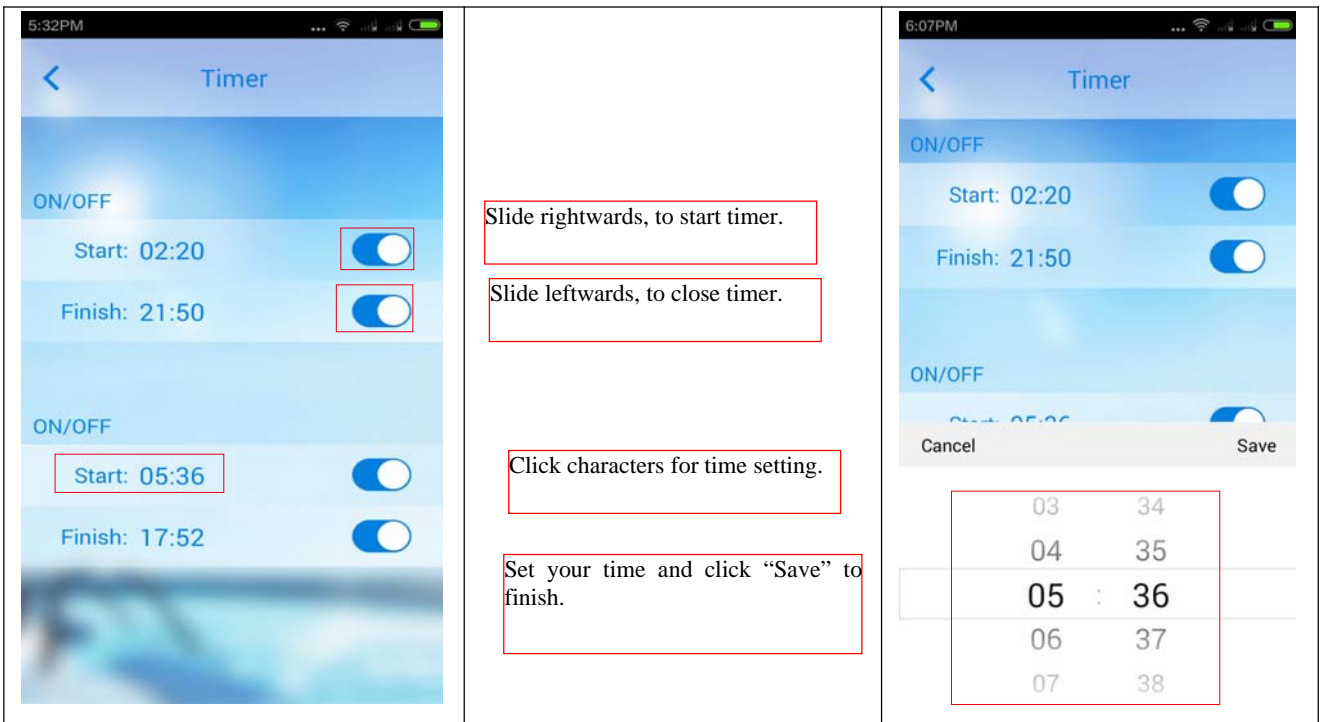
- 6.5.1) Click the timer key, to enter the timer interface;
- 6.5.2) Click “<” to return back the main interface;

Instructions for Use



6) Operation Of Timer Boot And Shutdown

- 6.6.1) Enter the timer interface as per steps in 5);
- 6.6.2) Slide timer switch rightwards, with the icon as , when timer is on;
- 6.6.3) Slide timer switch leftwards, with the icon as , when timer is off;
- 6.6.4) Click “Start: xx:xx >” to set the time of timer boot;
- 6.6.5) Click “Finish: xx:xx >” to set the time of timer shutdown;



7) Operation Of Temperature Curve

Instructions for Use

- 6.7.1) Click temperature curve key to enter the temperature curve interface;
- 6.7.2) Click “<” to return back the main interface;



8) Operation Of Temperature Curve

- 6.8.1) Enter the temperature curve interface as per steps in 9);
- 6.8.2) The water pump revolving speed, inlet and outlet water temperature and target temperature are displayed;
- 6.8.3) In the curve, you can check the changes of inlet and outlet water temperature in the past 30 days from today and the straight line of current target temperature;
- 6.8.4) Press on the curve with two fingers to slide towards both sides and zoom the curve. The minimum scale is 5min;
- 6.8.5) Press on the triangle buoy to move leftwards and rightwards and check the inlet and outlet water temperature and target temperature of the current point in the curve;



Instructions for Use

	The vertical axis identifies temperature, the minimum scale is 5° and the maximum and the minimum values change with the curve dynamically.	The horizontal axis displays time, the maximum scale is a day and the minimum scale is 5min.
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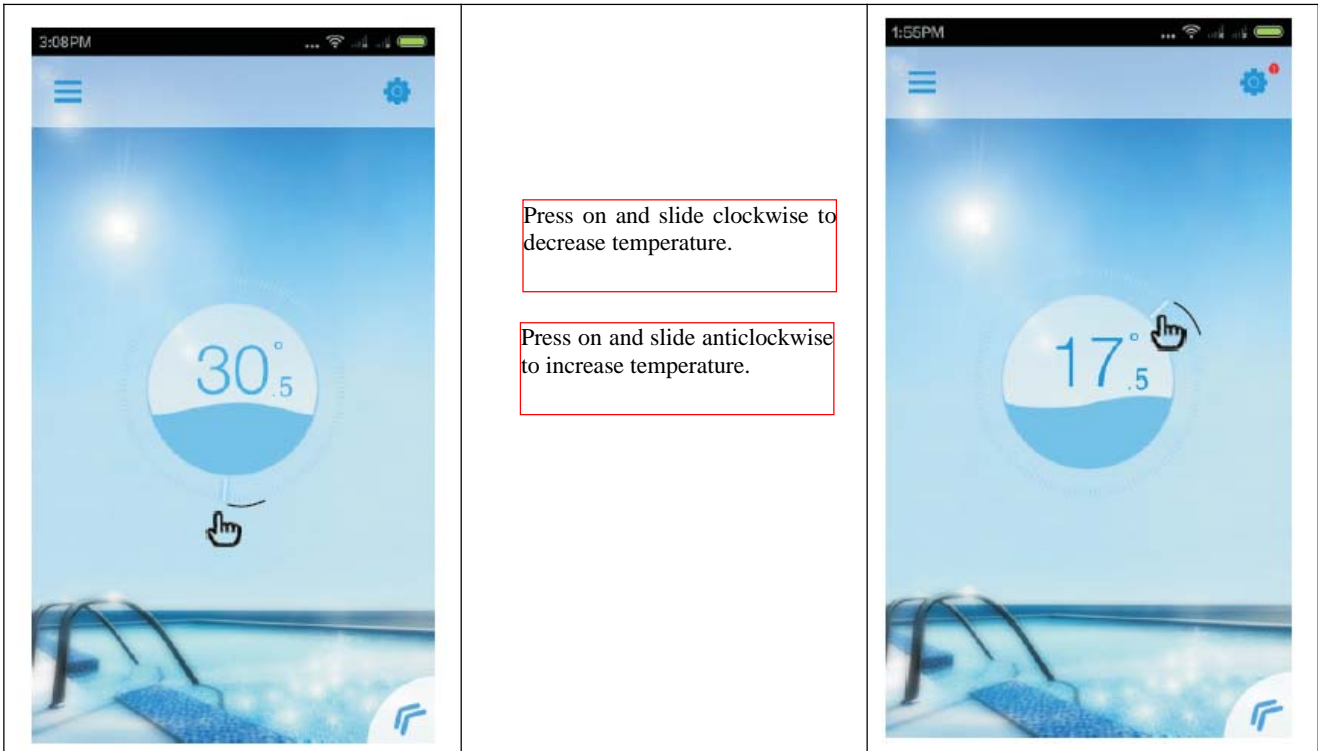


Press on the curve with two fingers to slide towards both sides and zoom the curve.

Instructions for Use

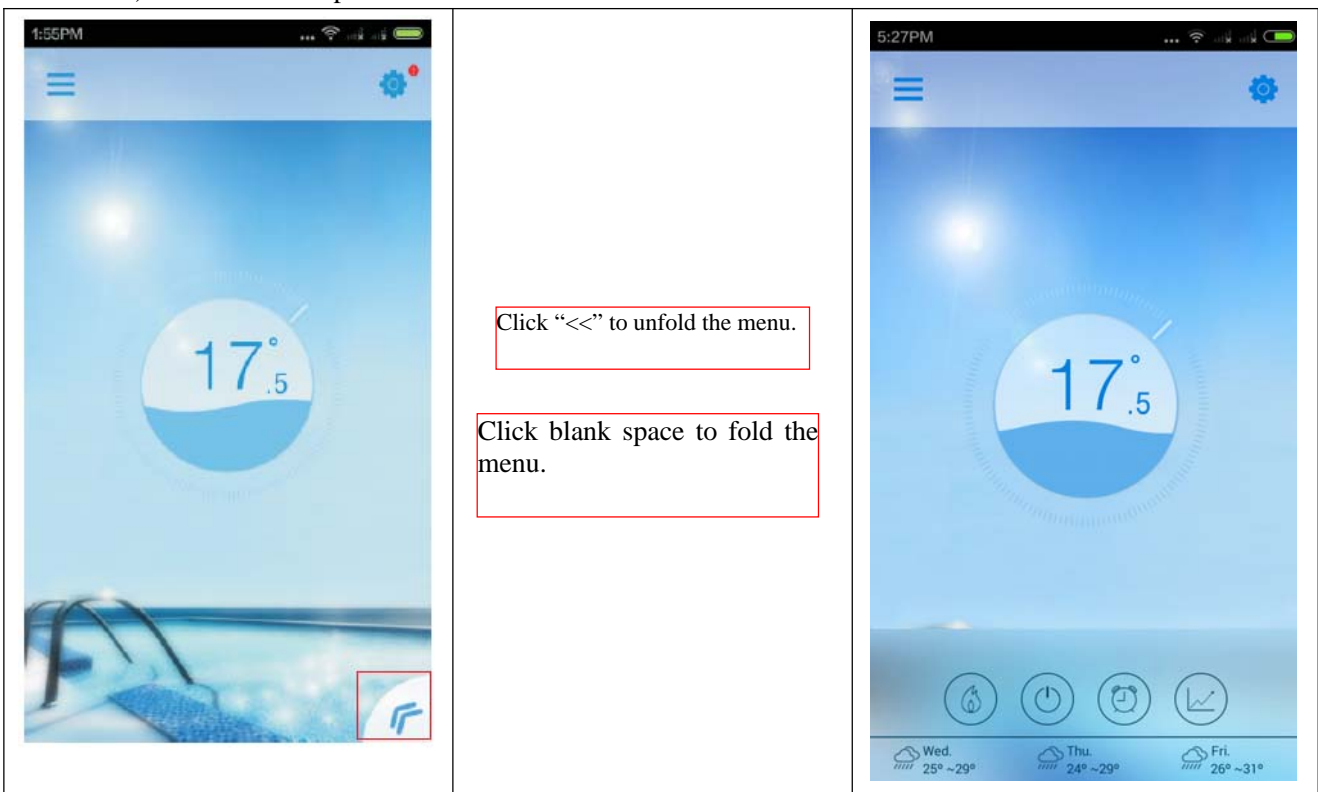
9) Set The Target Temperature

- 6.9.1) Press on current temperature;
- 6.9.2) Slide clockwise to decrease temperature;
- 6.9.3) Slide anticlockwise to increase temperature.



10) Operation Of Menu Key

- 6.10.1) Click the menu key of “<<”;
- 6.10.2) Click blank space to fold the menu.




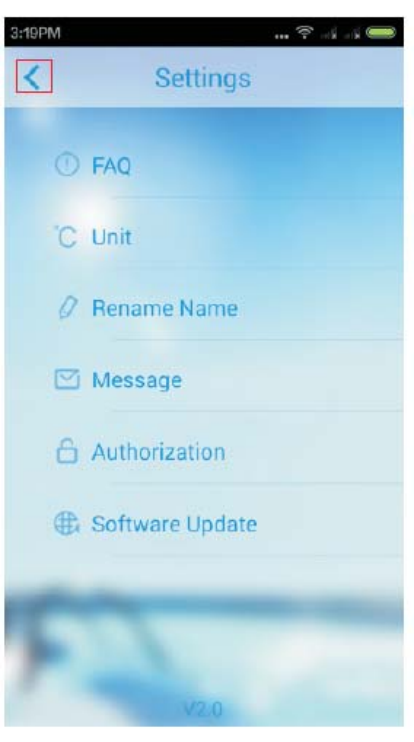
Instructions for Use

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(7) Setting Interface

1) Enter The Setting Interface

7.1.1) Click the setting key on the main interface to enter the setting interface.

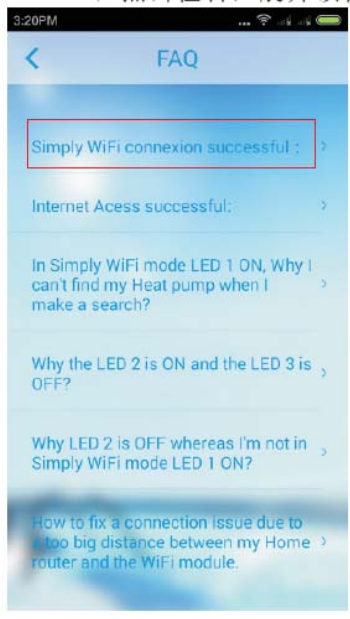
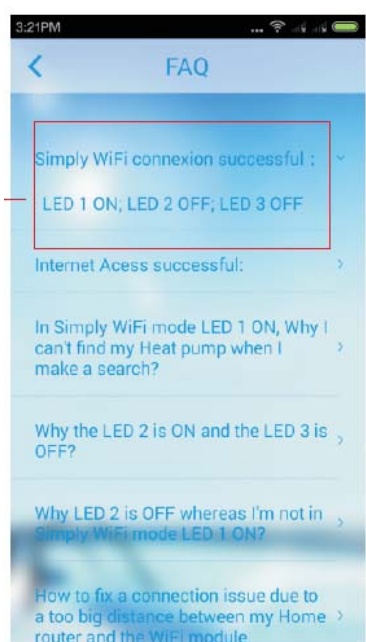
	<p>Click the setting key to enter the setting interface.</p> <p>Click "<" to return back the main interface.</p>	
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2) Check FAQ

7.2.1) Click FAQ to enter the FAQ interface;

7.2.2) Check on titles to find the information you want;

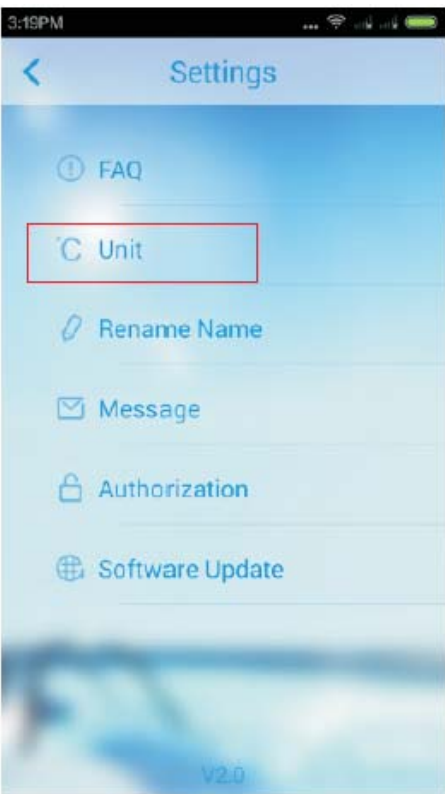
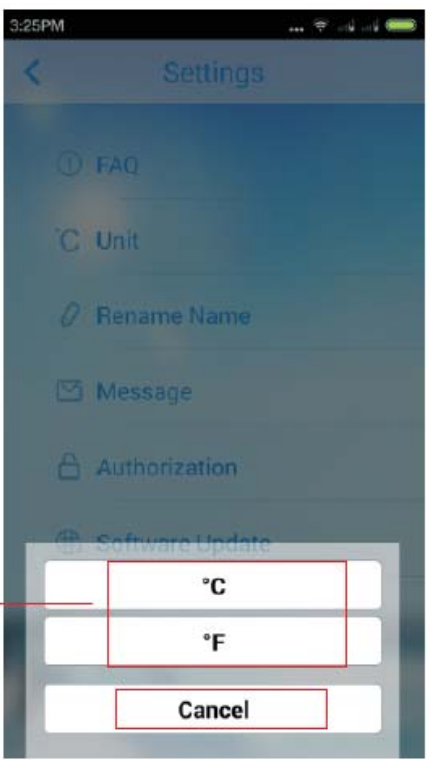
7.2.3) Click the title to unfold detailed information.

	<p>Unfolded contents.</p> <p>Click on your desired title to unfold.</p> <p>Click the title of the unfolded field to fold relevant contents.</p>	
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Instructions for Use

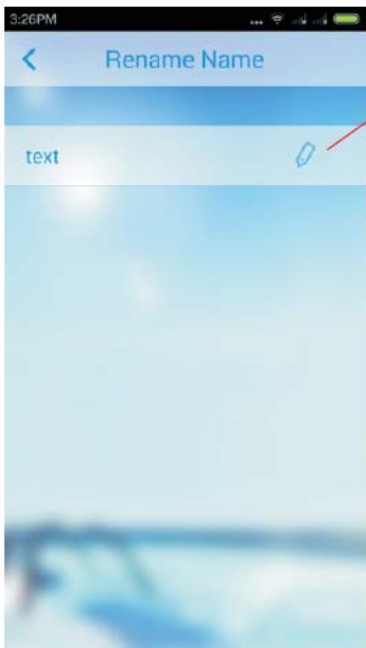

3) Shift Units

- 7.3.1) Click the unit option;
- 7.3.2) Select the unit you want and complete setting;
- 7.3.3) Click “Cancel” to call off setting.

	<p>Click “Unit” to enter unit setting.</p> <p>Click “Cancel” to call off setting.</p> <p>Select the unit you want.</p>	
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
4) Device renaming

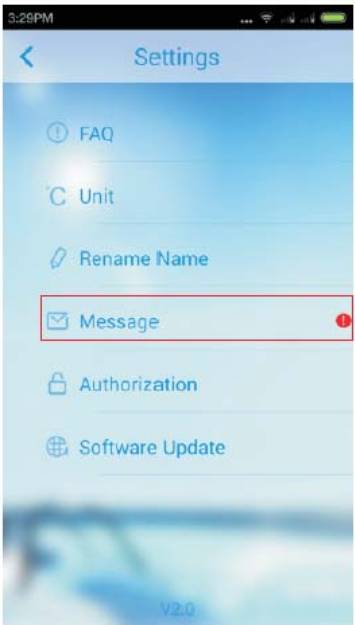

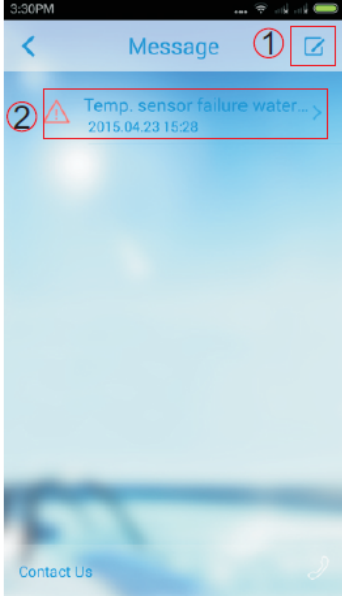
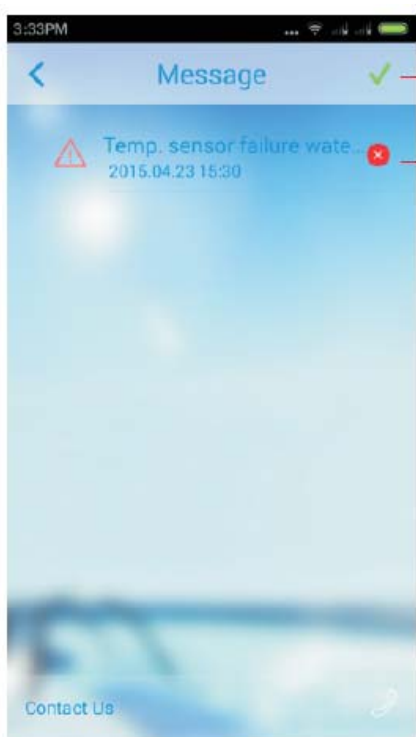

- 7.4.1) Click “Rename Device” on the setting interface to enter the device renaming interface;
- 7.4.2) Click the pen icon to edit device name;
- 7.4.3) Click the check mark to save device renaming.

	<p>Click the pen icon to edit device name.</p> <p>Click check mark to save device renaming.</p>	
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Instructions for Use

5) System Message Check

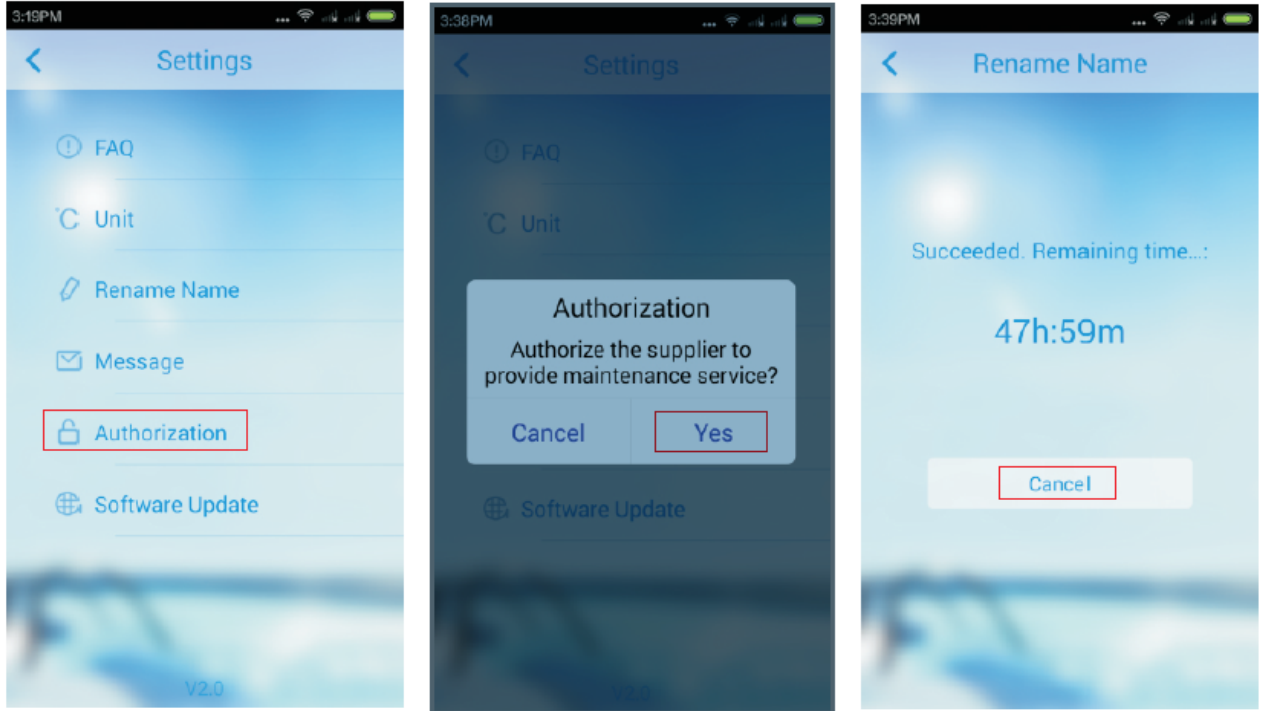
- 7.5.1) Click “Message” on the device interface to enter the system message interface;
- 7.5.2) Click specific item to enter detailed interface and check message content;
- 7.5.3) Click the icon of  to enter message deletion state and click  and check mark to save.

	<p>Click the option of “Message” to enter system message interface.</p> <p>Click  to enter message deletion state.</p>	 <p>Click specific item to enter detailed message interface.</p>
	<p>Click check mark to finish editing.</p> <p>Click the key to delete current message.</p>	

Instructions for Use

6) Device Authorization

- 7.6.1) Click “Authorization” on the setting interface to pop up the authorization box;
- 7.6.2) Click “Yes” in the box to complete authorization and enter the authorization interface;
- 7.6.3) Click “Cancel” to call off authorization in the authorization interface.



Click “Authorization” to pop up box;	Click “Yes” to complete and enter the authorization interface	Click “Cancel” to call off authorization
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Note: device authorization shall only be operated under network mode and the device must accept network testing. If the device is not registered, the registration box, instead of the authorization box will pop up after clicking “Authorization” for the first time.

7) Software Updating

- 7.7.1) This function is not available at present.

Instructions for Use

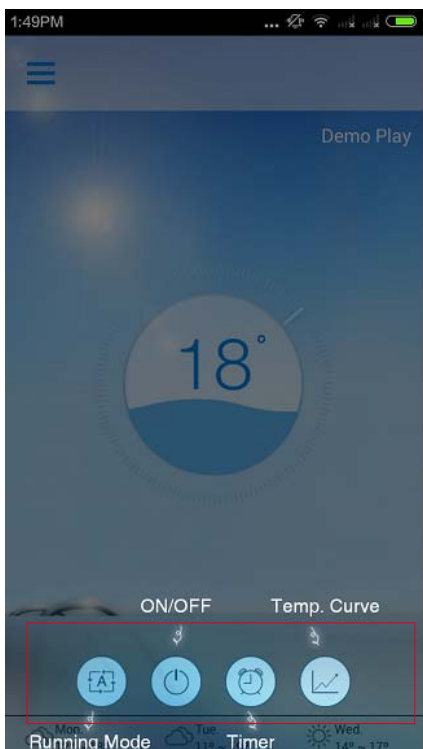
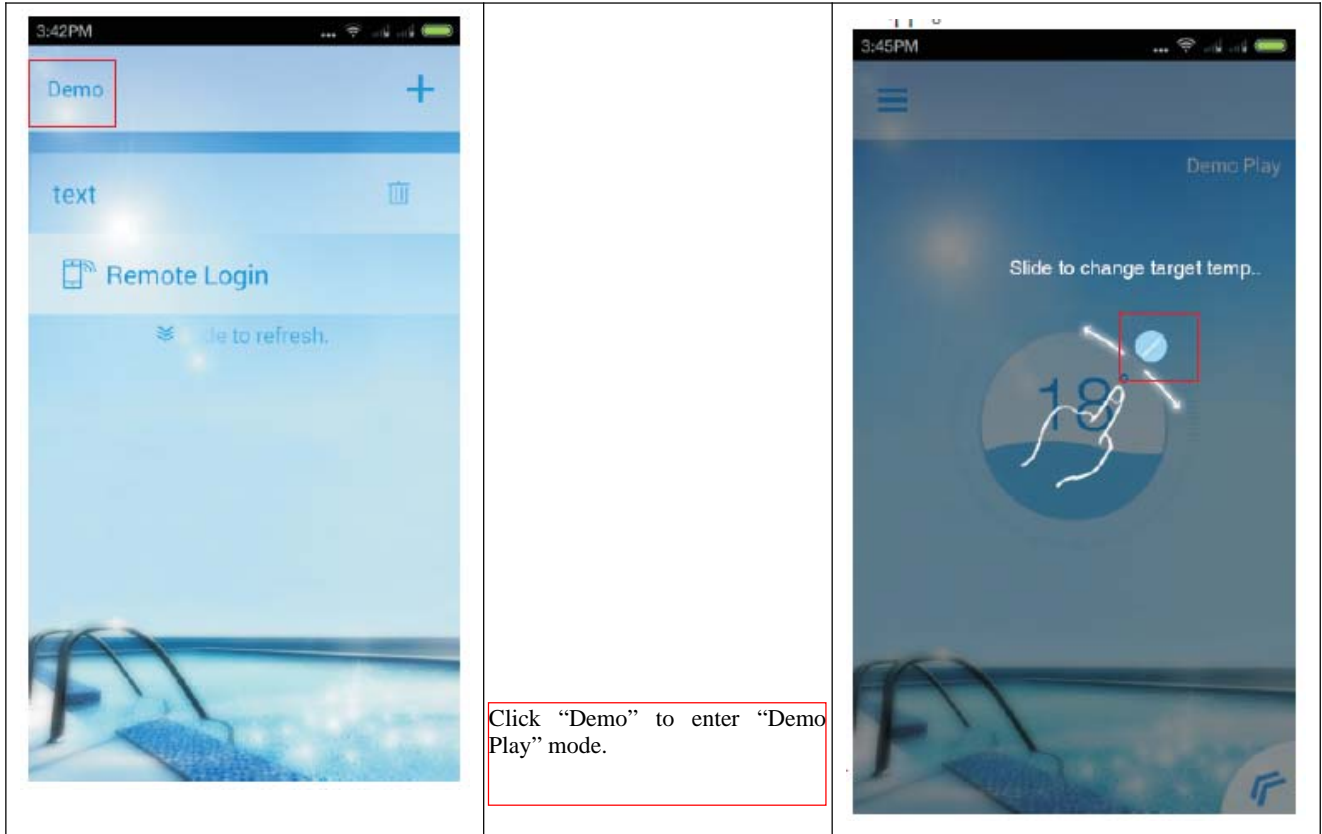
(8) Demo Mode

1) Demo Play Mode

8.1.1) Click “Demo” on device list interface to enter “Demo Play” mode;

8.1.2) Operate step after step as per the guide;

8.1.3) After the guide disappears, every function operation is the same as that in the main interface of (6).



Operate step after step as per the guide

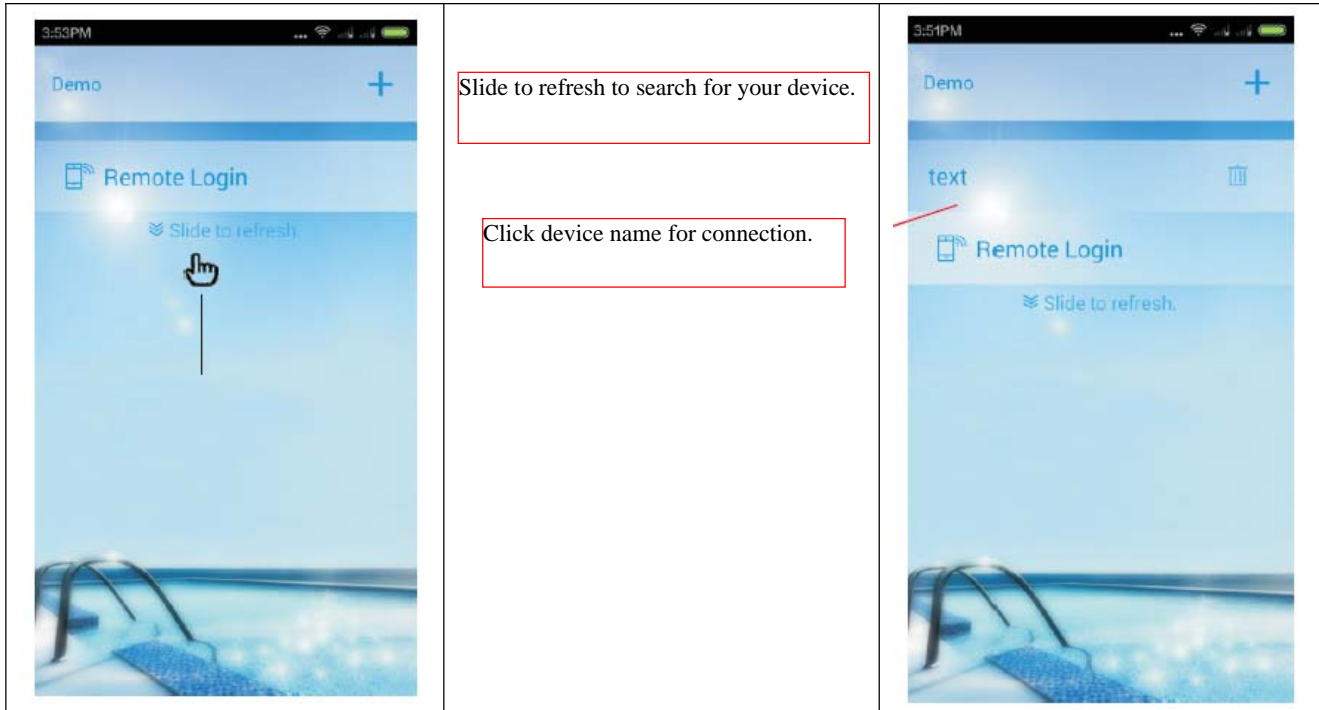


Instructions for Use

(9) Operation Of Device Direct Connection

1) Search for direct connection

- 9.1.1) Operate as per step 1) and 2) in (1);
- 9.1.2) Return back to Pool Heater;
- 9.1.3) Slide to refresh device list;
- 9.1.4) Click the device that is searched out for connection.



2) Search For Direct Connection

- 9.2.1) Operate as per step 1), 2) and 3) in (1);
- 9.2.2) Return back to the third step in configuration interface of Pool Heater;
- 9.2.3) Click “Connect to device” for direct connection of device;

