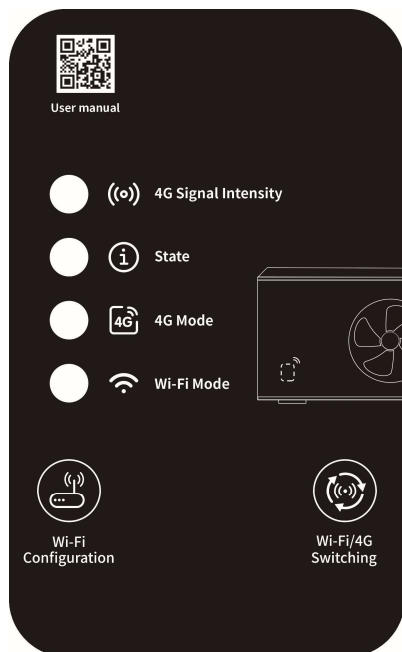


# WIFI/4G Module

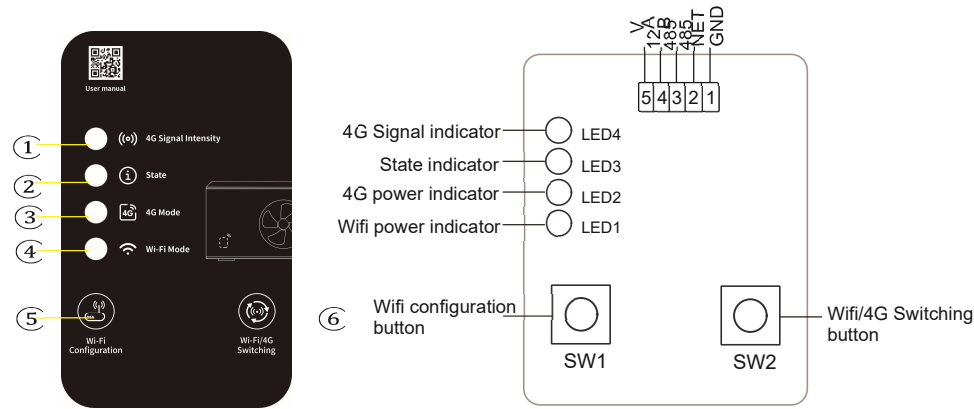
# USER'S MANUAL



Please read this user's manual carefully before use  
Please keep this user's manual properly

# Functional Description

## Introduction of LED Indicator



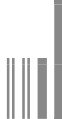




## WIFI Mode

No	Name	Color	Status
①	4G Signal indicator	/	Useless
②	State indicator	Red	Configuring Network
		Purple	Connecting the router
		Blue	Connecting to the server
		Green	Normal communicate with server
		Flicker	Abnormal communication with main board
③	4G power indicator	/	Useless
④	WIFI power indicator	Green	In WIFI mode

⑤	Wifi configuration button	Click to go to distribution step
⑥	Wifi/4G Switching button	Tap to switch to 4G mode

4G Mode

No	Name	Color	Status
①	4G Signal indicator (From weak to strong)	White	
		Red	
		Pink-purple	
		Blue	
		Green	
②	State indicator	White	Check if the sim card is installed correctly, unplug the sim card and re-power it up
		Blue	Pull the antenna out and restart it to see if the signal is good; if it does not respond, tell a technician to check it
		Pink-purple	Check that the wiring connections are correct; check if the main board returns data
		Cyan	Check if the main board has a reply PK or WF code
		Yellow	Check if the device is available on the IoT platform

		Red	Check that the secret key returned by the IoT platform is the same as the one provided by AliCloud
		Green	Normal operation
③	4G power indicator	Green	In 4G mode
④	WIFI power indicator	/	Useless
⑤	Wifi configuration button	Useless	
⑥	Wifi/4G Switching button	Tap to switch to WIFI mode	

## Basic Parameters

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### WIFI Mode

Form	WiFi	Bluetooth
Transmission frequency (GHz)	2.412~2.472	2.402~2.480
Max transmission power	802.11b: +16dBm(@11Mbps)	10dBm
	802.11g: +15.5dBm(@54Mbps)	
	802.11n: +15dBm(@HT20,MCS7)	
Power Supply Voltage (V)	3.0~3.6	
Supply Current	Peak (continuous transmission): 260mA	
	Average (STA, networked standby): 24mA(DTIM1)	
	Average (STA, 1KB/s): 54mA	
	Average (AP): 85mA	
Working Temp( )	-40~85	
Storage Temp( )	-40~125	

### 4G Mode

Model		TL3302-EU	TL3000-AU	TL3304-EU
Working frequency	Supports2G (GSM/GPRS/EDGE )	900/1800MHz	850/900/1800 /1900MHz	900/1800MHz
	Supports3G (wcdma bands )	B1/B5/B8	B1/B2/B5/B8	/
	Supports4G (LTE bands )	B1/B3/B5/B7/B8 /B20/ B38/B40/B41	B1/B2/B3/B4/B5 /B7/ B8/B28/B66	B34/B38/B39/B40/B41 /B1/B3/B5/B8/B7/B20
Max transmission power	Supports2G (GSM/GPRS/EDGE )	33dBm±2dB		33dBm±2dB
	Supports3G (wcdma bands )	24dBm+1/-3dB		/
	Supports4G (LTE bands )	23dBm±2.7dB		23dBm±2dB
Power Supply Voltage (V)		12~24		
Supply Current(A)		1		
Working Temp( °C )		-30~70		
Storage Temp( °C )		-40~85		

## Disposal instructions



### Disposal of the old appliance

Appliance marked with the symbol shown here must not be disposed of in the domestic refuse. You are obliged to dispose of such old electronic appliances separately. Please consult your local authority about the possibilities of organised disposal. With this environment-friendly form of disposal, old appliances are recycled or used in other forms.

## Installation

- There is a magnet on the back of the communication module, it can be installed indoors or outdoors, and avoid direct sunlight;
- Please scan the following QR code to download APP;



## Account Login

Use email address and password to register, login or reset the password.

Fig.2 Account Registration interface

Fig.1 Login interface

Fig.3 Forgot Password interface

1. Account Registration: To register an account, click ① (Fig.1) to jump to the Account Registration interface, fill in the relevant information and click 2 to receive verification code, while completed the application information, click 3 to read the details of the Privacy Policy, then click 4 to ☐ agree, and click 5, registration is done.

Please note, the valid time of one verification code is 15min, please fill in the verification code within 15min, otherwise you need to ask for a new one.

2. Log in: Follow the instructions on the page (Fig.1), enter your registered email address and password, click

⑥ and jump to device list;

3. Forgot Password: While forget your password, click ⑦ (Fig.1 ), jump to the Forgot Password interface (Fig.3 ). Follow the instructions on the page, fill in the relevant informations, click ⑧ to receive verification code from ⑨ your mailbox, click ⑩ to confirm and password reset is done.

## Add Device

After log in, displays My Device interface (Fig. 4) , follow the instruction to add WIFI or DTU.

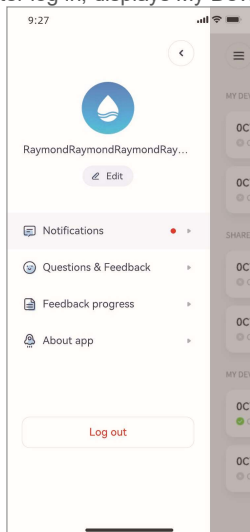


Fig.5 The left-hand menu

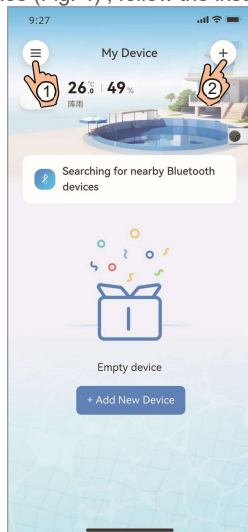


Fig.4 My Device interface

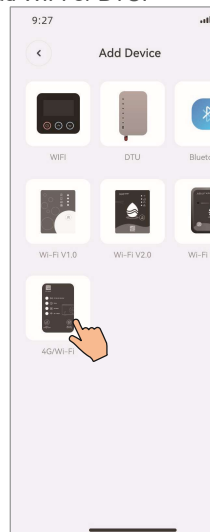


Fig.6 Add Device interface



# WiFi Configure Network



Fig.7 4G/WiFi choose interface



Fig.8 WiFi mode interface

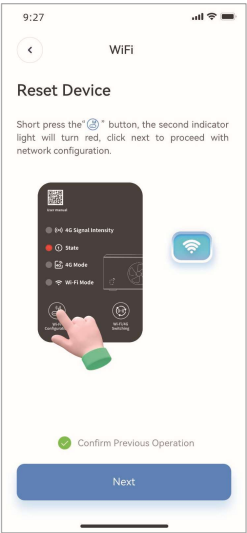


Fig.9 WiFi Module On interface

## ***Configure Network***

1. Choose the wifi way of distribution network (Fig 7), ensure the wifi mode light is constantly lit and click "Next", Follow the instructions on the page, short press the configuration button;
2. Click "Next" to enter the wifi password for the current connection(Fig 9), the APP automatically searches for wifi module ;
3. Click "Scan WiFi Barcode" (Fig.12) to allow the App to use the camera for scanning the serial number/wifi code on the heat pump;
4. Click "Confirm", device bond is done (Fig.13);
5. After WIFI bonding is done, and jump back to My Device(Fig. 15).

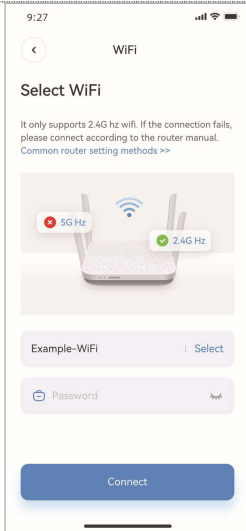


Fig.10 Enter password interface

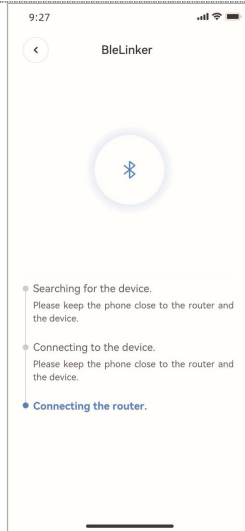


Fig.11 Searching device interface



Fig.12 Scan WiFi Barcode

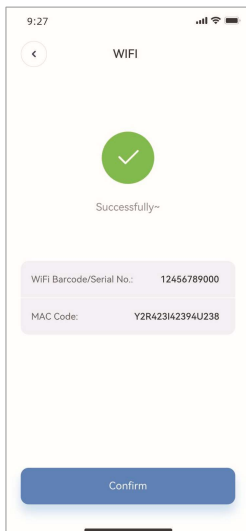


Fig.13 Bond device done interface

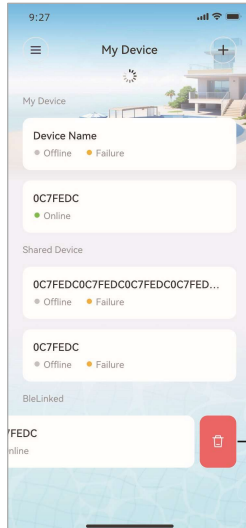


Fig.14 Device management interface

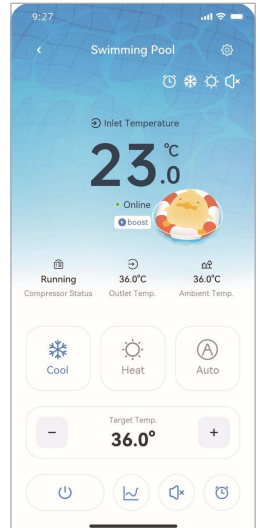


Fig.15 Device Main interface

# 4G bond the device



Fig.16 4G/WiFi choose interface

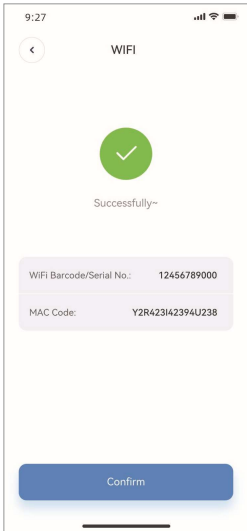
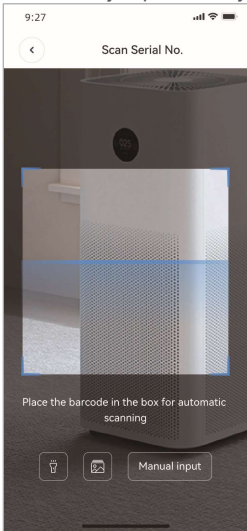


Fig.17 4G mode interface



Fig.18 Scan WiFi Barcode

1. Choose the 4G way of distribution network (Fig 16), ensure the 4G mode light is constantly lit and cilck"Next" ;
2. Scan the WF code or SN code on the fuselage and the IMEI code on the device body to bond the device;
3. Click "Confirm" jump to the My device interface (Fig 22).



Scanning interfaceFig.20 Scan IMEI code

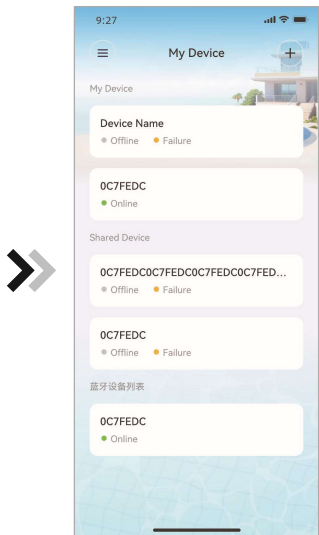


Fig.23 Device management interface

Fig.21 Scan IMEI code

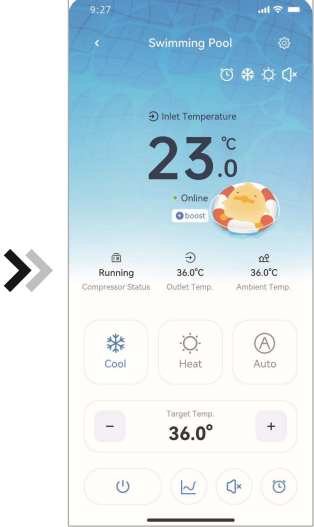


Fig.24 Device Main interface

## Device Management

Device management operations are as below :

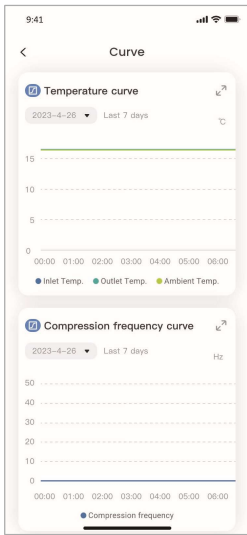


Fig.27 Curve interface

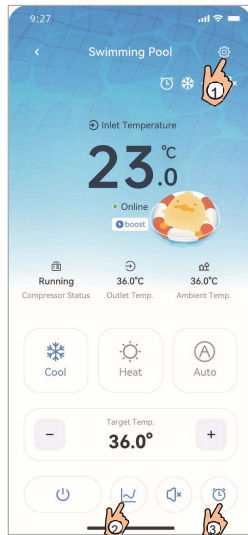


Fig.25 Device Main interface

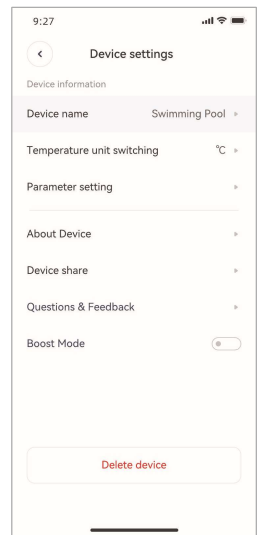


Fig.26 The right-hand menu interface

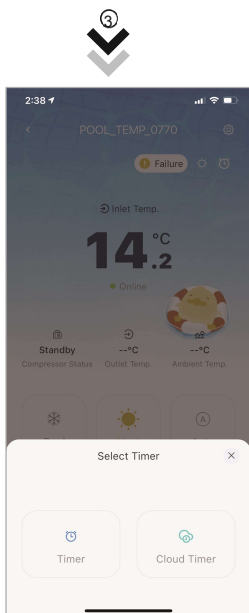


Fig.28 Select timer interface  
Fig.30 Cloud Timer List

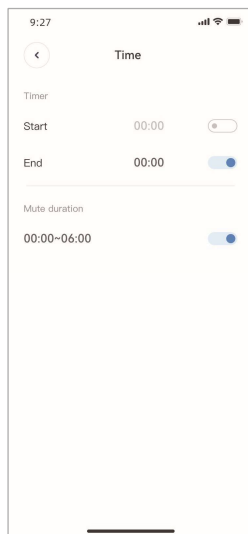
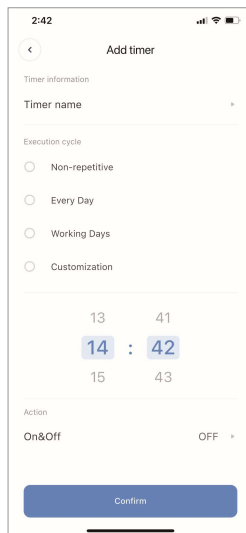
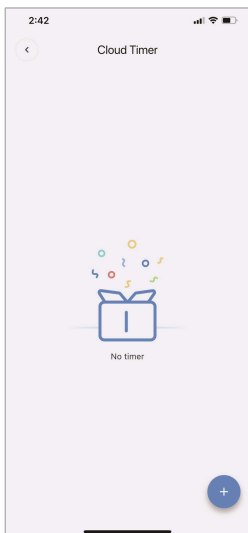


Fig.29 Timer setting interface  
Fig.31 Cloud Timer setting interface





NS

it to activate the silent mode
it to turn off the silent mode
ating--Auto
it to change operating mode
it to change operating mode
change operating mode
n/ off and mute timer setting interface
shooting interface
e menu
curve