

4G DTU-Data Transmission Module

USER'S MANUAL



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

User Privacy Instructions

We take your privacy very seriously and we promise to inform you how we use the data. Users' private data, such as mailboxes, address, before uploading to the cloud, we will get your permission, and we will work hard to protect your data security.

Description

- Receive data signal from cloud server and transmit to the main device;
- Receive data signal from main device and transmit to cloud server;
- DTU remote up-grade through cloud server;
- LED light shows DTU status and mobile network signal status.

Technical Parameters

OPERATING VOLTAGE: DC80V~26V (Recommended value 12V)

OPERATING CURRENT: Max. recurrent peak 1A, average standby current 40mA, sleep current 3mA

TEMP. RANGE: Operating Temp.: -30°C~+70°C; Storage Temp.: -40°C~+85°C

MOISTURE RESISTANCE: IPX0

RS485 COMMUNICATION RATE: up to 10Mbps

RS485 NUMBER OF NODES: up to 32 nodes

LED INDICATOR LIGHT: 6 lights, power indicator, Network exception indicator, communication indicator, signal indicator(Strong-mid-weak)

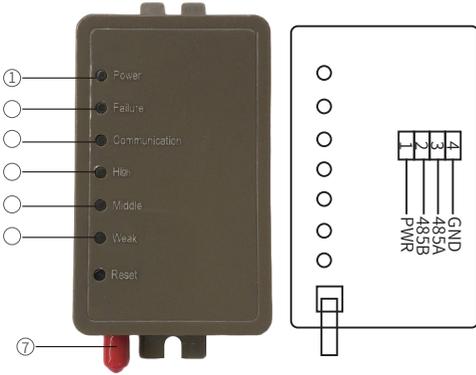
DIMENSION(L×W×H): 90mm×56mm×23mm

Installation

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



Functional Description



- ① LED power indicator: light on, when the power is switched on;
- ② LED exception indicator: light on, when fail to communicate with server, mainboard or base station;
- ③ LED communication indicator: light on, when normal communicate with server; flicker, when communicating occurs; light off, when fail to communicate;
- ④ ⑤ ⑥ LED signal indicator: High-Mid-Weak:
 - ⑥ light on: weak signal;
 - ⑤ light on: middle signal;
 - ④ ⑤ ⑥ all light on: high signal;
 - ④ ⑤ ⑥ all light off: fail to communicate. DTU fail to connect with base station, SIM card or antenna problem;
- ⑦: antenna, to send or receive signal.

Account Login

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

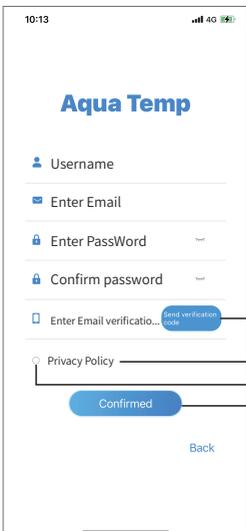


Fig.2 Account Registration interface

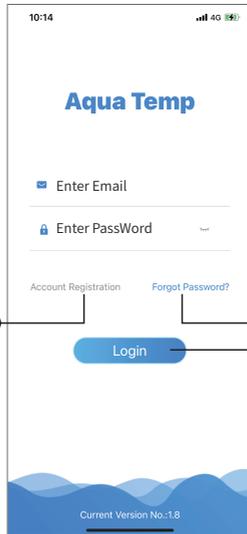


Fig.1 Login interface

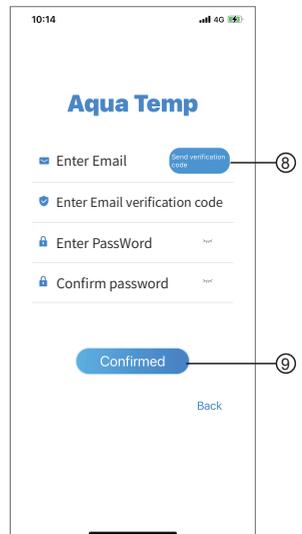


Fig.3 Forgot Password interface

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 your mailbox, click ⑨ to confirm and password reset is done.

Add Device

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

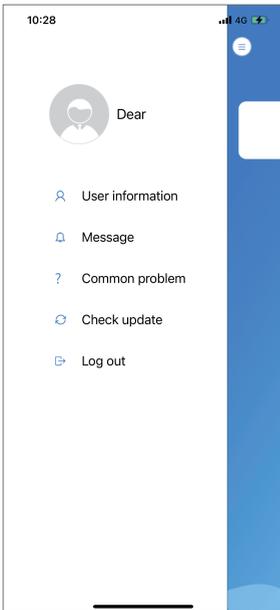


Fig.5 The left-hand menu



Fig.4 My Device interface

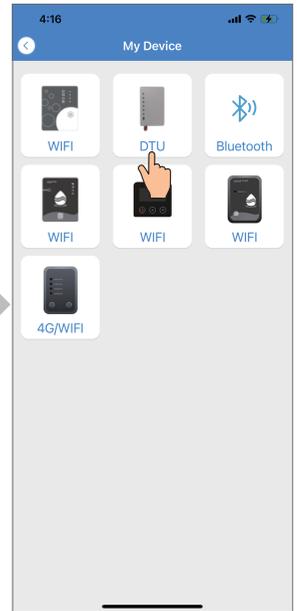


Fig.6 Add Device interface

Scan WF/SN code and IMEI code according to the app prompts to bind the device to bond the device.

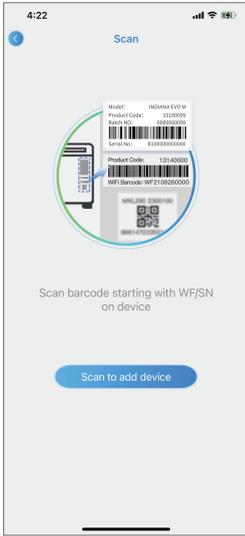


Fig.7 Bond device interface

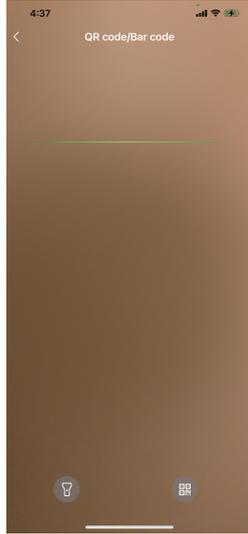


Fig.8 Scanning interface



Fig.9 WF/SN barcode

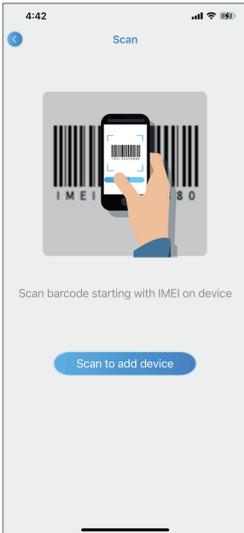


Fig.10 Scan IMEI code

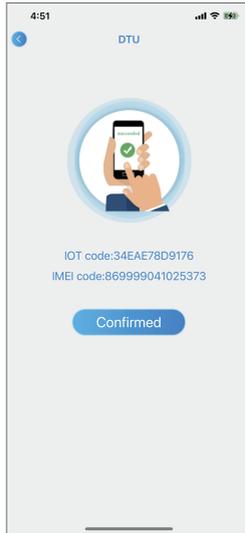


Fig.11 Bond device done interface



Fig.12 Device Main interface

Device Management

Device management operations are as below :

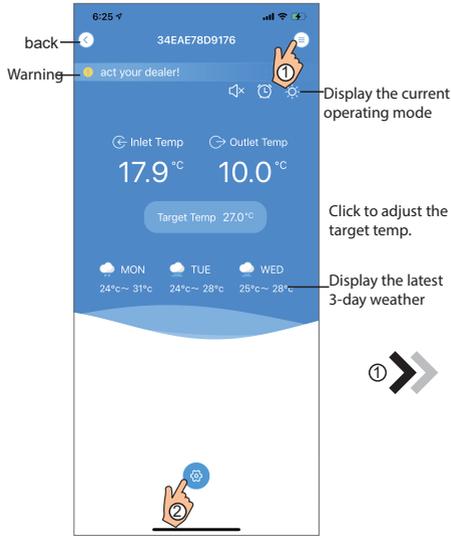


Fig.39 Device Main interface

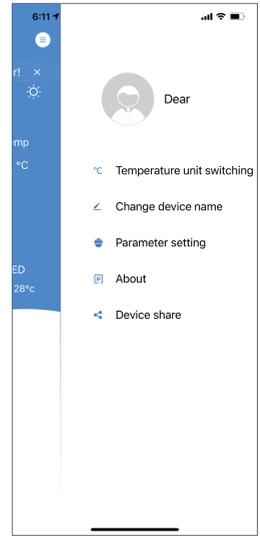


Fig.40 The right-hand menu interface

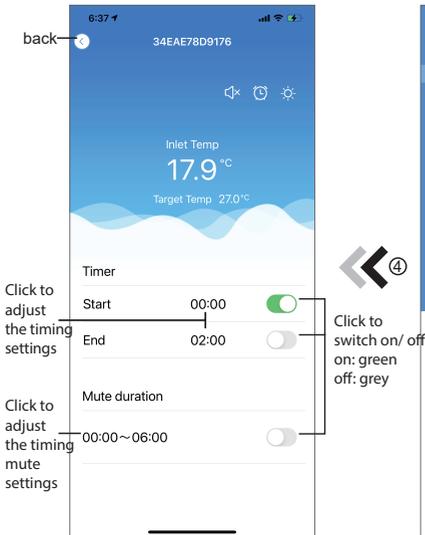


Fig.42 Timing Settings interface

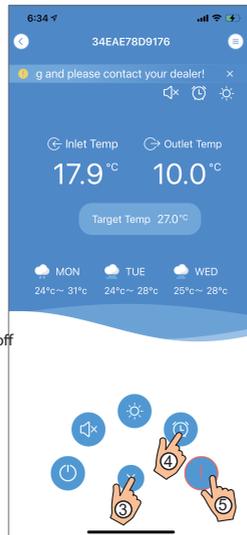


Fig.41 Device Main interface

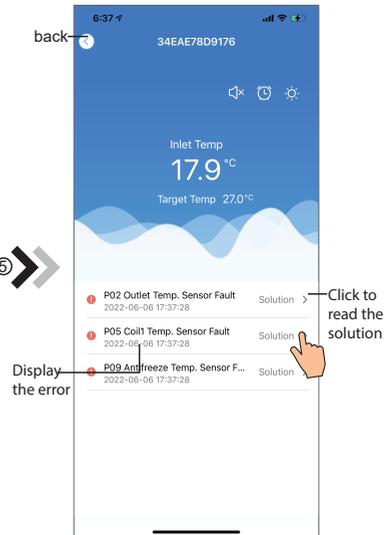


Fig.43 Troubleshooting interface

ICON	NAME	FUNCTIONS
	ON/ OFF	Click it to turn on/ off the unit
	Silent Mode Off	Display silent mode off, click it to activate the silent mode
	Silent Mode On	Display silent mode on, click it to turn off the silent mode
	Mode shift	Mode changing: Cooling--Heating--Auto
	Cooling	Display Cooling mode, click it to change operating mode
	Heating	Display Heating mode, click it to change operating mode
	Auto	Display Auto mode, click it to change operating mode
	Timing settings	Click it to jump to the timer on/ off and mute timer setting interface
	Troubleshooting	Click it to jump to the troubleshooting interface
	Menu	Click to unfold or collapse the menu