1.0 WRELESS WIFI CONFIGURATON

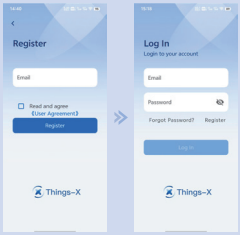
1.1 APP Download

Method 1: Scan the QR code on the right with your mobile device to download the app.
Method 2: Search for "Things-X" in the App Store or Google Play Store to download the app.

Android iOS

1.2 Registration and Login

On the app's login page, click the "Register" button and fill in the required information. The system will send an account activation link to your email. Click the link and set your password to complete the registration process.



2.0 NETWORK CONFIGURATION AND ADDING DEVICES

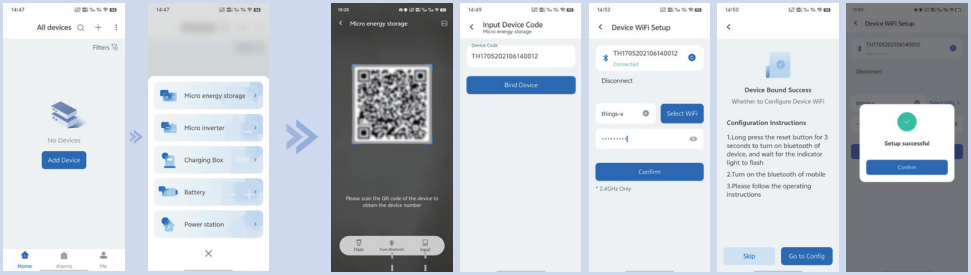
When performing network confguration, ensure the app has camera permissions and that your phone's Bluetooth is turned on.

2.1 Network Confguration for Devices such as Micro Storage

Click the "+" or "Add Device" button in the top right corner. If your device is a micro energy storage, micro inverter, charging box, or battery, follow these steps. For example, to add a "Microenergy storage" device:

Method 1: Scan the QR code

① Scan the QR code on the device and click "Bind Device" to successfully bind the device.
② On the confguration page, follow the instructions, click "Go to Conhg", and enter the Device WiFi Setup page. After connecting via Bluetooth, enter the WiFi username and password, then click "Confrm." The page will indicate a successful confguration.



Method 2: Bluetooth Binding

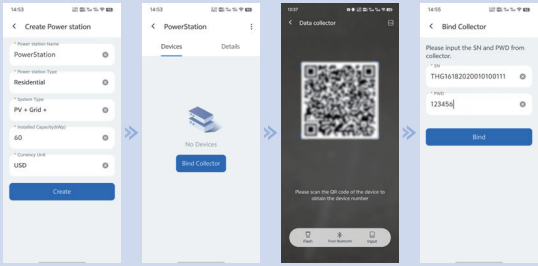
Click "from Bluetooth", press and hold the Bluetooth reset button for 3 seconds, and select the corresponding Bluetooth device.

Method 3: Enter Device Code to Bind

Click "Input", input the device code, click "Bind Device", then press and hold the Bluetooth reset button for 3 seconds.

2.2 Network Confguration for inverters

If your device is an inverter and needs to be mounted under a power station, follow these steps for network confguration:
① Add a device, select "Power Station", complete the power station information, and click "Create".
② On the "Power Station" -> "Devices" page, click "Bind Collector" to open thecamera.
③ Scan the QR code on the device and enter the PWD. The remaining steps are the same as for confguring micro storage devices.



3.0 COLLECTOR FAULT ANALYSIS AND INDICATOR LIGHT STATUS

① If the Bluetooth connection fails, check if the Bluetooth light is flashing.
② If the network confguration fails, verify that the WiFi username and password are correct and available.
③ If the mobile phone cannot use the QR code scanner, check if the app has been granted authorization.

Indicator Light Status:

① READY: Steady light indicates the collector stick is powered on.
② COM: Flashes when the collector stick is transmitting data with the device.
③ NET: Network indicator light (Bluetooth light).

Other Operational Notes

① Press and hold the collector reset button for 3 seconds to enter Bluetooth broadcast mode (except for long-term broadcasting Bluetooth devices).
② Press the collector button for 1-2 seconds to reset it.

Intelligent communication stick User Manual

I. Product Overview

The Gospower Intelligent Communication Rod is a well-designed communication device with excellent performance. It integrates advanced communication technology and exquisite hardware architecture, aiming to provide users with efficient, stable and convenient data acquisition and transmission services. Whether it is in the field of industrial automation, intelligent monitoring systems, or other scenarios requiring data interaction, Gospower intelligent communication sticks can play an important role. With its powerful functions and excellent compatibility, it can seamlessly connect with a variety of terminal devices, achieve accurate data collection and smooth information transfer, and become your right hand in data processing work.

II. Technical Specifications

1. Support WIFI and Bluetooth V5.0 connection.
2. Excellent reception sensitivity.
3. Built-in 32-bit RISC CPU with FPU.
4. Storage includes 128 KB internal FLASH and 4MB external FLASH.
5. Power via USB-A plug or aviation plug, 4.5-5.5Vdc.
6. RS485 has multiple Settings.
7. Built-in antenna, network status, RS485 communication and READY indicator.
8. Working voltage 5Vdc, working power 2.5W, communication power consumption 30-500mA@5Vdc, standby power consumption 25mA@5Vdc.
9. The shell is made of PC945 material, size 108x48x30mm, weight about 55g, protection level Ip65.
10. Operating temperature is in the range of -40 to +85℃, storage temperature is the same, humidity 95% (no condensation), the highest sea Pull 4000 meters, support remote firmware upgrade.
    See Appendix for details.

III. Instructions

1. Preparations: Check the appearance and accessories, and connect the proper power supply.
2. Connection and setting: Connect other terminals as required, hold down for 3 seconds to access the distribution network, and hold down for 1 second to reset.
3. Start collection and transmission: Observe the indicator to understand the working status.
   The indicator status is as follows:

READY: Steady on: The acquisition rod is normally powered on
COM: The acquisition rod and device will flash
NET: network indicator when there is data transmission

IV. Announcements

1. Follow prescribed working conditions.
2. Avoid harsh electromagnetic environment.
3. Periodically check the connection.

V. Communication stick technical specifications

Parameters	Content
Model number	tahutx20230012
Wireless parameters	WiFi
Ethernet communication	no
Wireless communication	IEEE802 11b/g/n @24GHz
Bluetooth communication	Bluetooth V5.0
Sensitivity of reception	11g-6Mbps; -93dBm11g-54Mbps; -77dBm11n-MCS0; -93 dBmBLE; -97dBm
CPU	32-bit RISC CPU with FPU(floating-point unit), DFS frequency 1MHz-192MHz
Internal FLASH	128 KB
External extended FLASH	4MB
Power supply	USB-A Plug(1-VCC4-GND)，5~12Vdc；Plug for air(1-VCC2-GND)，5~12Vdc
RS485	USB-APlug(2-A+3-B-) Plug for air(3-A+4-B-) Data bit: 4/6/7/8 bits Stop bit: 1/2 bits Check: no check, even check, odd check Serial port rate: 300~115200bps
Antenna	Built-in antenna
Indicator light	Built-in three green LED lights: network status indicator, RS485 communication indicator, READY indicator light
Voltage of operation	5~12Vdc
Input power	1.5W
Communication power consumption	30-500mA@5Vdc
Standby power consumption	25mA@5Vdc
Shell	PC945 shell
Dimensions	108x48x30mm
Weight	About 55g
Class of protection	IP65
Operating temperature	-40℃-+65℃(-40-+149℉)
Storage temperature	-40℃-+65℃(-40-+149℉)
Humidity	95%(No condensation)
Highest altitude	4000
Firmware upgrade	Remote upgrade