

Step 1. Plug the RMTWiFi module to the inverter

Plug the RMTWiFi into the Inverter Wi-Fi/GPRS port.



Turn on the inverter, the **red flashing LED** indicates the inverter and RMTWiFi communication is normal.

Step 2. Download Siginer Monitor APP

Connect your cellphone to your own WLAN Wi-Fi, and download Siginer Monitor App from Google/IOS app store, or scan the QR code as below to download and install Siginer Monitor APP.



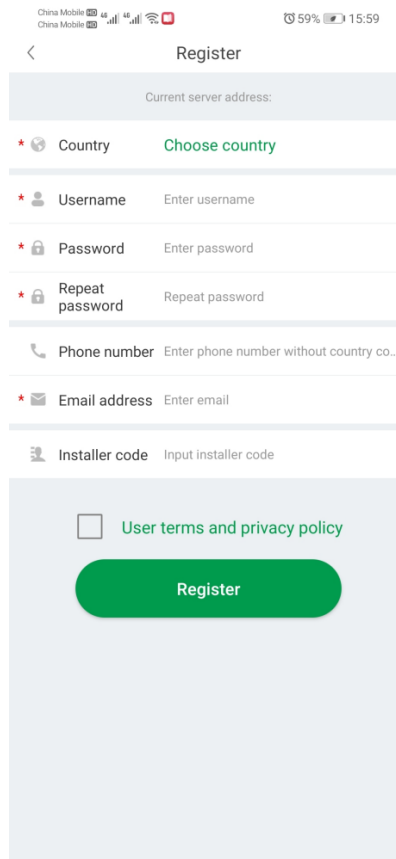
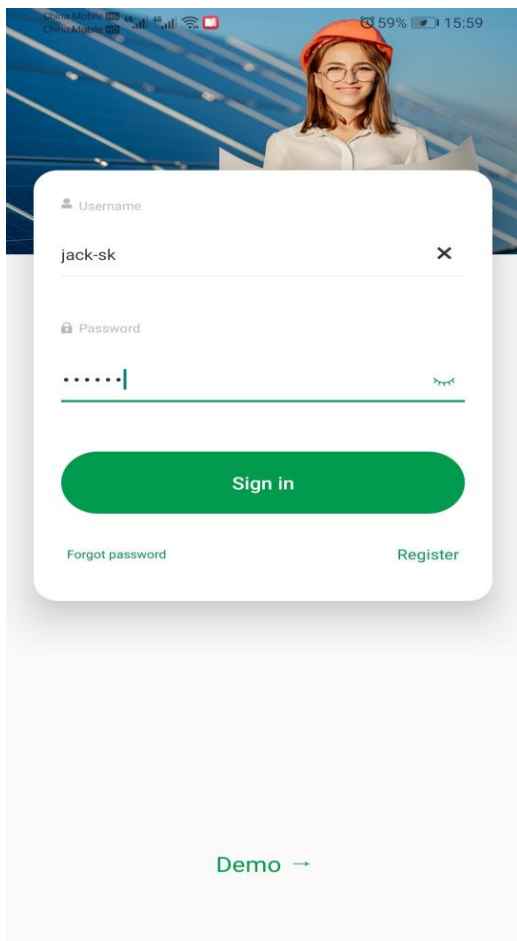
Android & iOS

Step 3. Registration and Adding Datalogger

1. Register your account in "Siginer Monitor" APP.

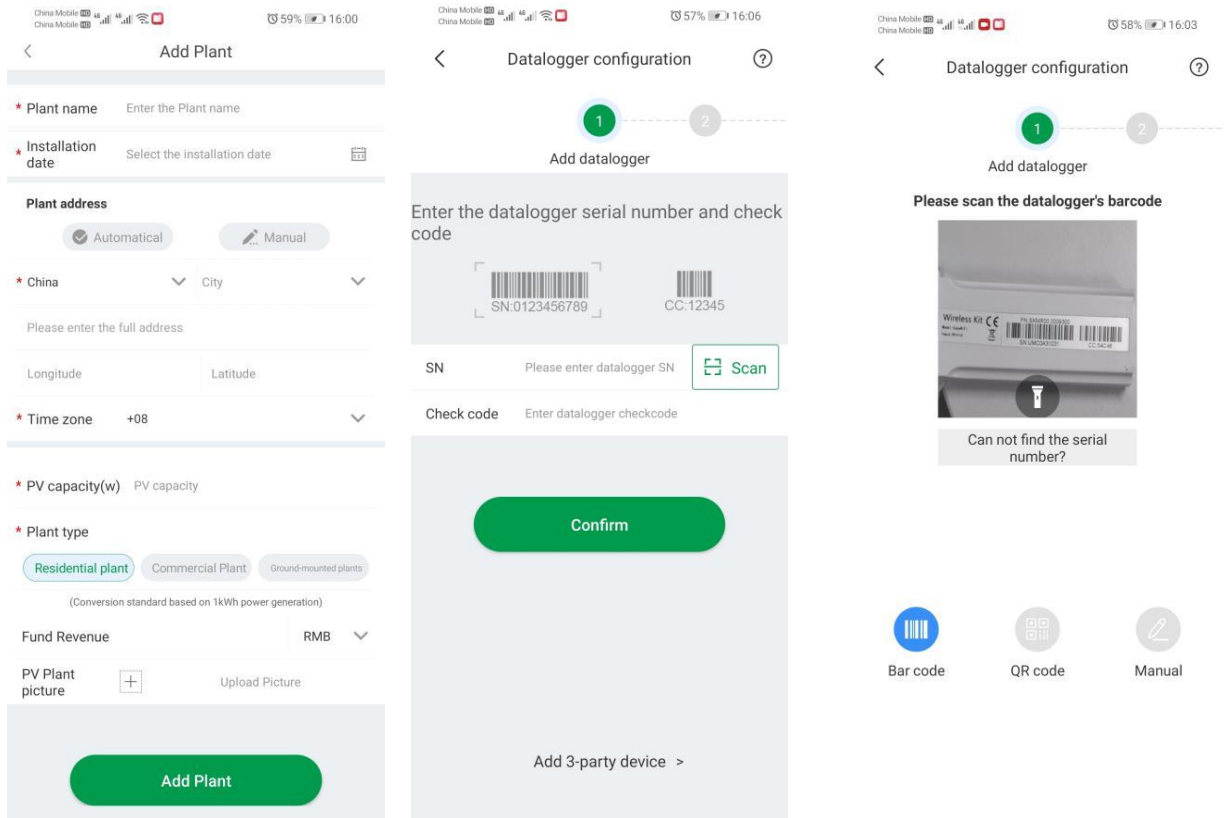
Open Siginer Monitor APP, click "Register" on the login page. Select your country and city, then click "Next" to enter next page.

Note: If you select a wrong country and city, the system time may be wrong. Fill out the required information, then click "Next", it will guide you to the "Addplant" page.



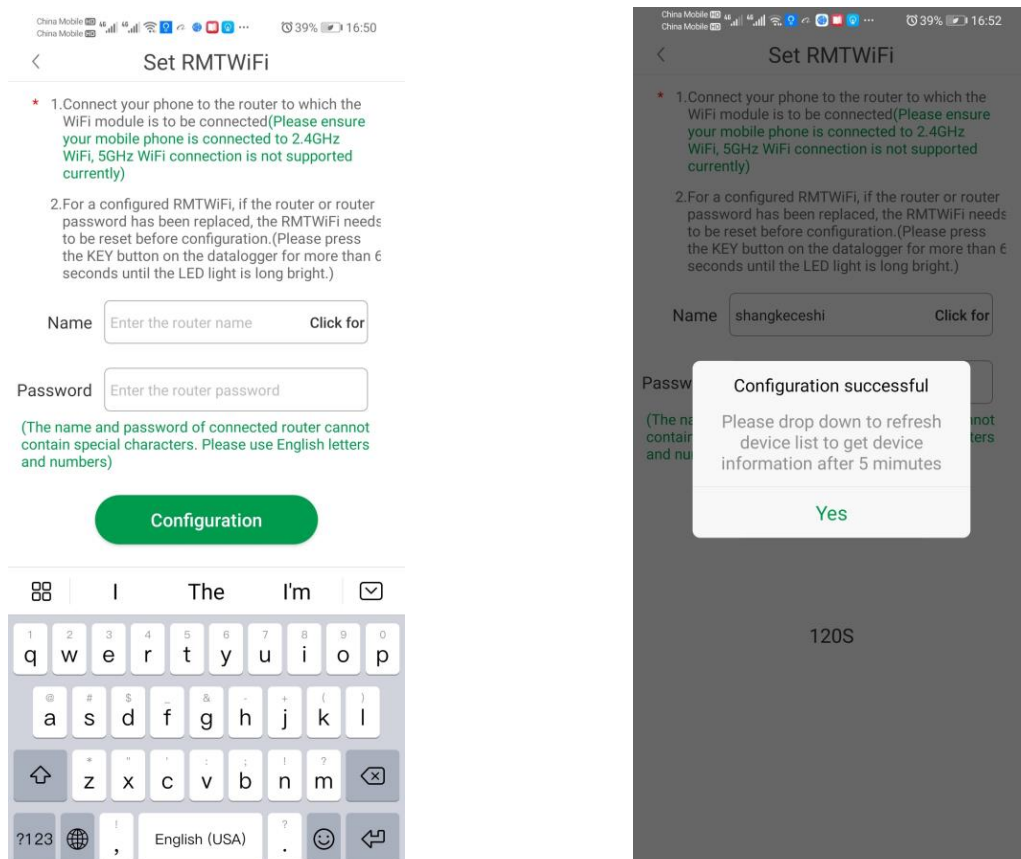
2. Add your solar inverter (RMTWiFi box) into your "Sagineer Monitor" account.

After finishing adding the Plant, it will switch to the "Add datalogger" page. On "Add datalogger" page, scan or manually input the RMTWiFi serial number into "Datalog SN" box and the check code into "Datalogger Checkcode" box, then click "Confirm", it will take you to the "Set RMTWiFi" page.



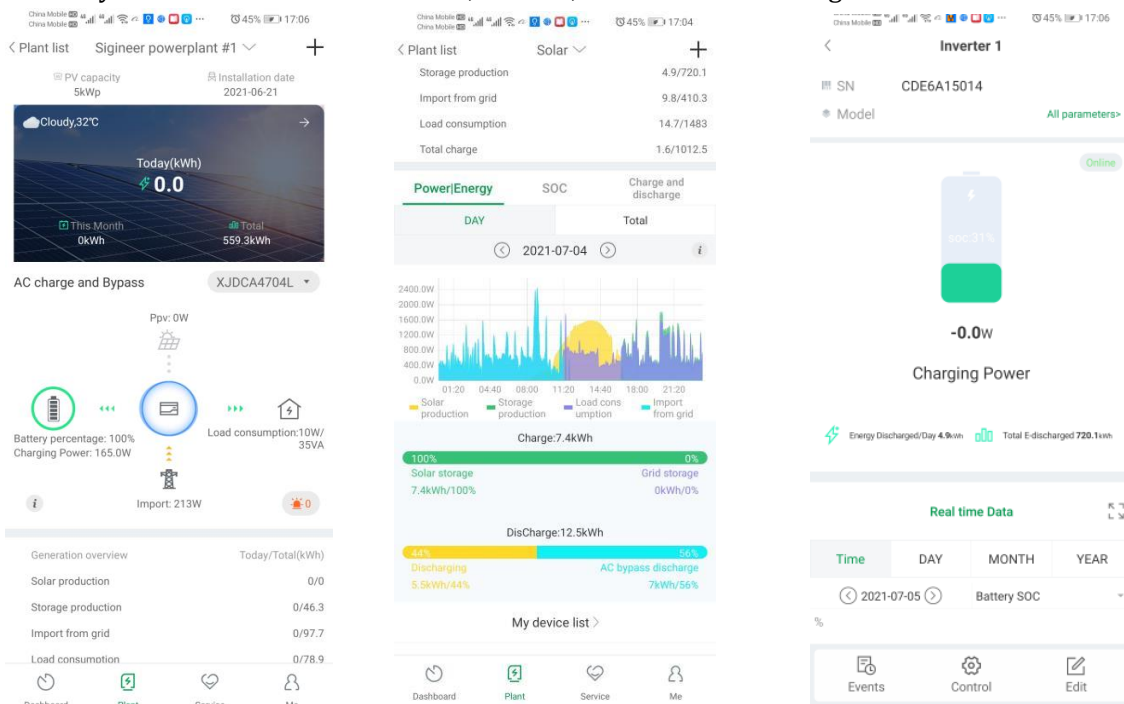
3. Connect your solar inverter to your local WiFi network.

Fill in your local Wi-Fi network and password, then click "Configuration", after the successful configuration, a note will pop up "Configuration successful", then it will go to the "My Plant" page. Note: There are 3 LEDs on RMTWiFi, only the blue LED flashing indicates the RMTWiFi module is successfully connected to the router and Sagineer Monitor server.



4. Start monitoring your solar system:

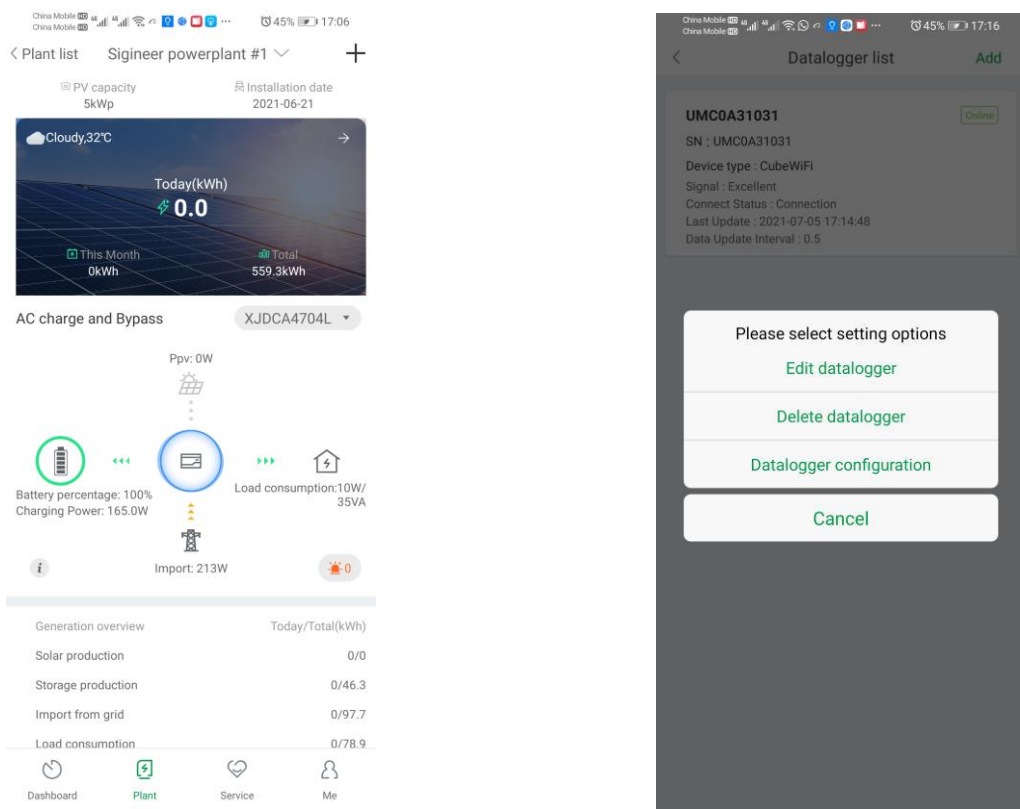
After successful configuration, it will go to the "My plant" page, select the inverter in the device list to check the inverter update information. Choose the device from "My device list", you will enter the device page where you can check the device status, records, and do remote setting and control.



5. Add/check/configure/delete your solar system.

Click the "+" sign on the right top side of the "My Plant" page. There are 3 options.

- 1) "Add datalogger" is for adding a new RMTWiFi module to this account.
- 2) "Check datalogger" is to check the RMTWiFi you have added in this account.
 - After choosing "Check datalogger", it will move to "Datalogger list" page. Long press the serial number, it will show a dialog with 3 options.
 - a) "Change device alias" is used to change the name of the device
 - b) "Configure datalogger" is used for configuring the connection of the RMTWiFi module to the router.
 - c) "Delete datalogger" is used to remove the RMTWiFi module from this account.
- 3) "Add plant" is used to add a new plant page to this account.



Step 4. Reset RMTWiFi to Factory Settings

When you have changed your home router password, or changed to a new router, you need to reset RMTWiFi to factory settings and reconfigure it. Press the KEY button (with a middle) for 6 sec, until all three LEDs long light up, then login to your Sagineer Monitor account, click the "+" on right top of this page, long press this datalogger serial number to reconfigure.

RMTWiFi State

LED State	Indication
ALL three LED off	RMTWiFi not connected well with inverter USBport
Only Red LED flashes	RMTWiFi and inverter communication is OK
Only Green LED flashes	RMTWiFi, inverter and router communication is OK
Only Blue LED flashes	RMTWiFi, inverter, router and server communication is OK

RMTWiFi KEY Button Description

Operation	Description
When RMTWiFi is powered on, press the KEY button. (RMTWiFi LED will change from flash to always ON)	RMTWiFi will enter to AP mode (AP mode is a debug mode, only allowed for the professional)
When RMTWiFi in AP mode, press The KEY button of RMTWiFi (RMTWiFi LED will change from always ON to flash)	Quit AP mode
Long press the KEY button for More than 6 sec (RMTWiFi All LEDs always ON)	Reset RMTWiFi to Factory settings

Troubleshooting

LED State	Indicate	Troubleshooting
All three LEDs are dark	RMTWifi can not find inverter via USB port	1.Try to reconnect RMTWiFi to the inverter USB port 2.Try to restart the inverter
After configuration, only Red LED flashes	RMTWiFi can't connect to the home router	1. Check router information a) Router name should consist of English letters and Arabic numbers only, the Wi-Fi module does not recognize special symbols such as "*", "_". b) For safety reason, please use encrypted wireless network c) It does not support public network that use secondary authentication 2. Check if you filled in the correct name and
After configuration, Only Green LED	RMTWiFi already connected to the home router, but not connected to Sagineer	1. Check if home router is connected to the internet 2. Check if the router firewall allows to select port 5279 and 5280
After configuration, Only Blue LED flashes	RMTWiFi communication OK with inverter, home router, and Sagineer Monitor server	Normal working state
Red LED always ON	RMTWiFi module error	Need to replace with a new RMTWiFi
Green LED always ON	RMTWiFi module in switching mode	No response if you press the KEY button during this period
Blue LED always ON	RMTWiFi module is in AP mode	Debug mode, short press the KEY button to quit

NOTE:

1 The RMTWi-Fi only supports 2.4G network, it doesn't support 5G.

2 The router name should consist of English letters and Arabic numbers only, the Wi-Fi module does not recognize special symbols such as "*", "_".