



Solis Wi-Fi Stick Data logger Quick Installation Guide

For S3-WiFi-ST

Version: 4.0



Delivery Content

- Wi-Fi stick x1
- Wi-Fi Antenna x1
- Quick Installation Manual x1

NOTICE

The contents of this manual may be updated from time to time due to product version upgrades or other reasons. Please refer to the actual product if this manual does not match the actual product.

1 Install

1.1 Install the data logger

Connect the data logger to the corresponding 4-pin COM port of the inverter. A Solis 5K inverter is used here as an example.

Please follow the instructions below:



Install the data logger:

Step 1: Remove the plastic protective cap from the inverter COM port.

Step 2: Install the antenna to the data logger.

Step 3: Match the joint, and then plug the data logger into the inverter COM port.

Step 4: Rotate the black ring in clockwise.

(Only rotate the black ring on the end of the connection, not the main body.)



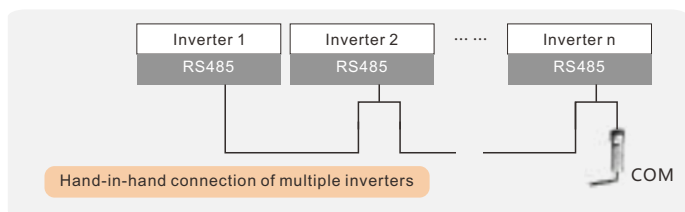
3



4

1.2 Install with multiple inverters

If you need to collect data from multiple inverters, please follow the inverter user manual to establish a communication connection with the inverter using the RS485 communication cable in a hand-in-hand manner.



After the data logger is installed on the inverter, if the inverter is powered on, you need to set the inverter slave address. The default slave address of the inverter is 01, and each inverter on the communication circuit needs to be assigned with different slave address (like 01, 02, 03, 04...).

NOTE

The device must be installed away from the strong magnetic field produced by large electrical appliances such as microwave oven, refrigerator, telephone, metal walls, etc. Otherwise, the communication quality may be affected. It may also be affected by lightning storm.

2 LED and Button

2.1 LED Lights Status

LED indicators	Description	LED Status	Meanings
Internet Indicators ● (NET)	Shows the connection status between the data logger and the server.	Flashing	Trying to connect with server
		ON	Successfully connected
		OFF	Abnormal connection
Inverter COM Indicators ● (COM)	Shows the connection status between data logger and the inverter.	Flashing	Trying to connect with inverter
		ON	Successfully connected
		OFF	Abnormal connection
Power Indicator ● (PWR)	Shows the power supply status of the data logger.	ON	Data logger is powered up normally
		OFF	Data logger is powered up abnormally

When all three lights are on, it means that the data logger is working normally. Otherwise, please contact the manufacturer's customer service.

2.2 RESET Button Instruction

Operation	Instruction
Short press	Send an inverter real-time data to SolisCloud.
	Reconnect to the network when the logger's network is disconnected.
Long press for over 10 seconds (release when the yellow and green lights go out)	Restore factory settings to erase memory data and network configuration information. (network reconfiguration is required after reset).

3 Create the SolisCloud Account

Step 1: You can download the SolisCloud mobile APP by scanning the QR code or searching "SolisCloud" from APP Store or Google Play Store.



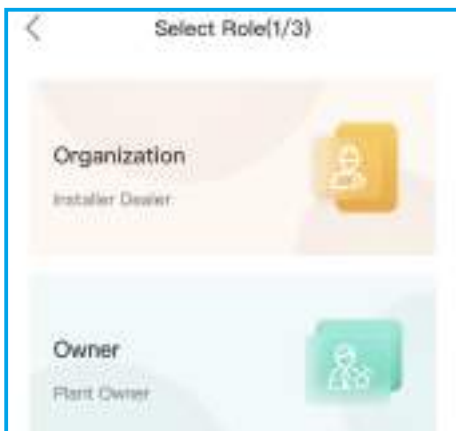
NOTE

We strongly recommend that you download the latest version of the SolisCloud APP before proceeding to the next step to match more features.

Step 2: Tap "Register".

A screenshot of the SolisCloud mobile app's login and registration screen. The background is orange. At the top left, it says "Hello! Welcome to SolisCloud". On the top right is a cartoon character with orange hair. Below the text are two input fields: "Username/Email" and "Password". There are checkboxes for "Remember" and "Forgot Password?". A "Log In" button is centered below the fields. At the bottom left, there is a checkbox for "I have agreed Privacy Policy". At the bottom right, there is a red "Register" button.

Step 3: Select Owner or Organization for registration.

A screenshot of the "Select Role(1/3)" screen in the SolisCloud mobile app. The title bar at the top has a back arrow and the text "Select Role(1/3)". There are two main options displayed as cards. The top card is orange and labeled "Organization" with the subtext "Installer Dealer" and a person icon. The bottom card is light blue and labeled "Owner" with the subtext "Plant Owner" and a group of people icon.

Step 4: Enter your email address and input the verification code you received, then set a username and password to complete the registration.

< Organization(2/3)

Note: If your organization has registered an account in SubCloud, you do not need to register again. Please contact the administrator to add you as a sub-organization or member in organization management.

* Registration Method

info@subcloud.com

Send Code Verify

I have agreed Privacy Policy

Previous Next

< Organization(3/3)

Note: If your organization has registered an account in SubCloud, you do not need to register again. Please contact the administrator to add you as a sub-organization or member in organization management.

* Email

info@subcloud.com

* Organization (Company) Name

Input 2 to 60 characters

* User Name

Enter username

* Password

Password

Password Strength ■■■■■■■■■■

* Confirm Password

Enter password again

* Organization Code

88483

Previous Register



Owner(2/3)

* Registration Method

Individual (Individual)

Country

GO

* I have agreed Privacy Policy

Previous

Next



Owner(3/3)

* Email

123456789@abc.com

* User Name

123456

* Password

123456789@abc.com

Password Strength  Medium

* Confirm Password

123456789@abc.com

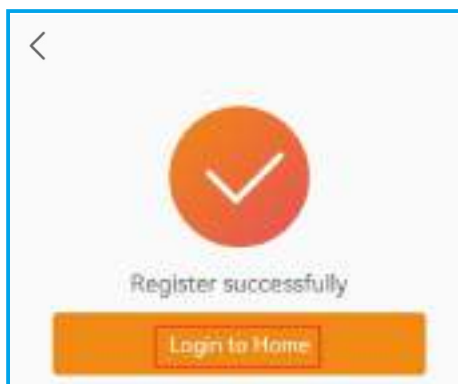
* Time Zone

(UTC+08:00) PRC

Previous

Register

Step 5: Registration is completed.



4 Create Plant

Step 1: Enter the home page of SolisCloud APP, tap "Add Plant" in the middle of the page.



Step 2: Enter the plant details and then tap “Next”.

The screenshot shows the 'Add Plant' form at the 'Basic Information' step. A progress indicator at the top shows four steps: 1. Basic Information (active), 2. Tariff Manager..., 3. Associate account, and 4. More information. The form contains the following fields:

- Plant Name: [Text input]
- Plant Type: Residential >
- Capacity(kwp): [Text input]
- Area: [Text input]
- Plant Address: [Text input]
- Time Zone: UTC+08:00 PRC >
- Currency: USD >
- Organization Code: Input Organization Code >

A large orange 'Next' button is located at the bottom of the form.

The screenshot shows the 'Add Plant' form at the 'Tariff Manager' step. The progress indicator shows Step 1 as completed with a checkmark, and Step 2 as active. The form contains the following fields:

- Feed-In Tariff: [Section header]
- Tariff Type: Fixed Tariff >
- Tariff(USD/kWh): [Text input]

At the bottom, there are two buttons: 'Previous' and 'Next'. Below the 'Next' button, the text 'Company Tariff >' is visible.

The screenshot shows the 'Add Plant' form at the 'Associate account' step. The progress indicator shows Steps 1 and 2 as completed with checkmarks, and Step 3 as active. The form contains the following field:

- Add Guest: [Text input]

At the bottom, there are two buttons: 'Previous' and 'Next'.

Step 3: After entering the required information, tap “Create Plant”.

The screenshot displays the 'Add Plant' form with a progress indicator at the top showing four steps: Basic Information, Tech Management, Business Account, and More Information. The 'More Information' step is currently active. The form includes the following fields:

- Installer Email: Input installer email
- Installer Phone: Input Installer Phone
- Module: Input number of modules
- Grid Interaction Type: [icon]
- Grid Connection Time: [icon]
- Plant Contact Phone: Input phone
- Access Platform Time: [icon]
- Maximum Export: [dropdown arrow]
- Please select date: [dropdown arrow]
- Please select date: [dropdown arrow]

Below the form fields is a 'Plant Picture' section with a plus sign icon for adding an image, and a 'More Settings' link with a dropdown arrow. At the bottom, there are two buttons: 'Previous' and 'Create Plant'.

Step 4: Plant creation is completed. It will automatically enter the APP homepage.

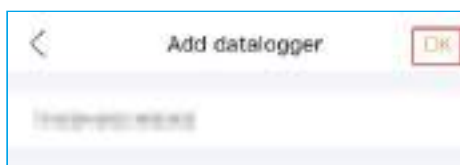


5 Bind the data loggers

Step 1: Tap on the plant to enter the plant home page. You will be prompted to add a data logger, tap “Add” to add the logger.



Step 2: Scan the QR code on the logger or manually enter the SN of the logger, and then tap "OK".

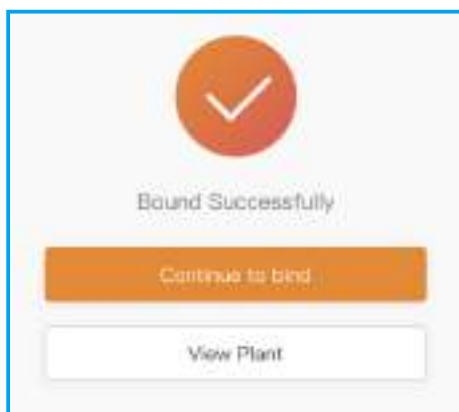


 **NOTE**

Please make sure to input the logger serial number, not the inverter serial number.



Step 3: Bound successfully. If the plant has multiple data loggers, please tap “Continue to bind” to bind other data loggers.



6 Network Configuration

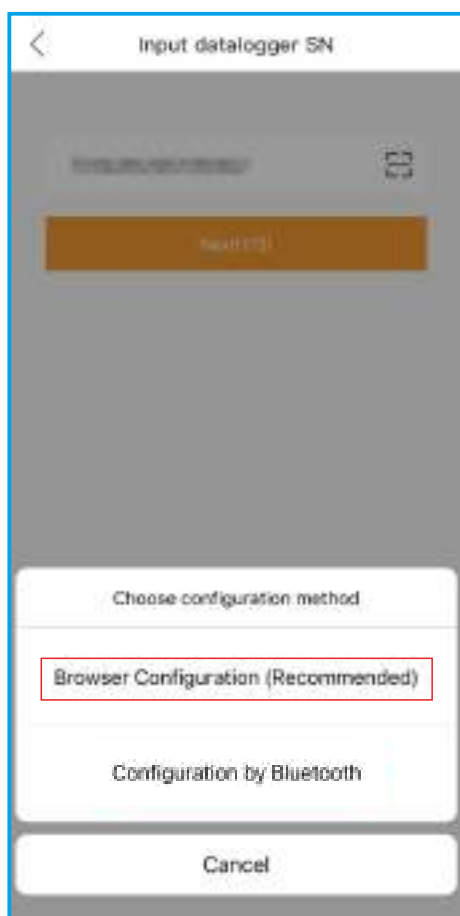
Step 1: Tap “Service” page, and then tap “WiFi Configuration” in the toolbar.



Step 2: Scan the QR code on the logger or manually enter the SN of the logger, and then tap “Next”.



Step 3: Choose the configuration method, tap "Browser Configuration".



Step 4: Make sure that the green light flashes at intervals, then tap "I'm sure it is flashing".

< Configuration Tip



Please turn on the configuration mode of the datalogger

Plug the datalogger into the inverter and wait for the indicator light of the datalogger to be stable. That means, the red light on the datalogger keeps on, and the green light flashes every second, as shown in the figure above. Then you can start connecting to the WiFi signal of the logger, click to ["View the tutorial"](#).

(1) Make sure that the green light of the datalogger flashes at intervals. If the WiFi signal is not found, try re-plug the datalogger;

(2) If the WiFi signal still can not be found, please long-press the datalogger for over 10 seconds to restore to the default setting, wait for the indicator light of the datalogger to be stable, and click to [view the tutorial](#);

(3) If the datalogger is connected to the network, but the network needs to be changed, please follow the method 2;

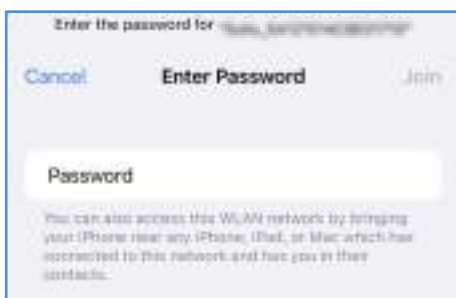
(4) If the network is not found after multiple attempts of the above methods, please replace the datalogger.

[I'm sure it is flashing](#)

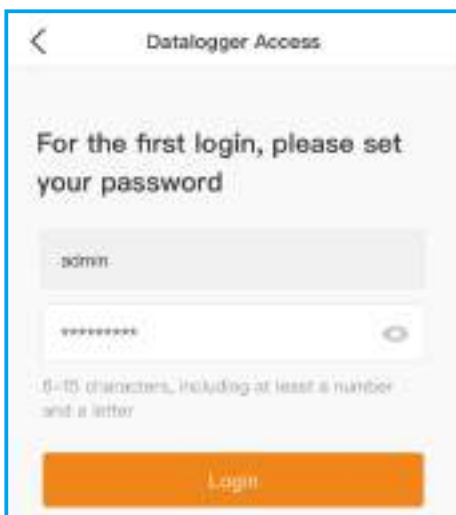
Step 5: Tap anywhere on the page to jump to the WLAN settings on your phone.



Step 6: Select the network named “[D_serial number of the data logger](#)”, enter the default password “[123456789](#)”, and then return to SolisCloud APP.



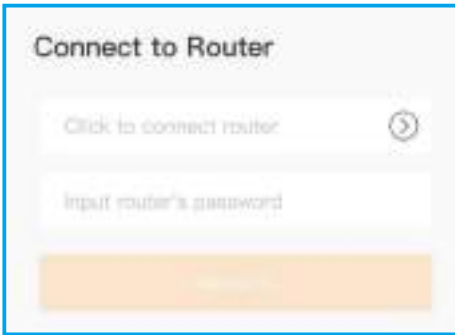
Step 7: If you are logging in for the first time, please set your password and tap “[Login](#)”.



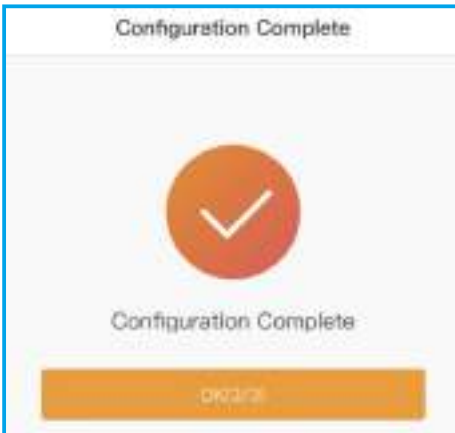
 **NOTE**

Please remember your password. The only solution to forgetting password is to reset the data logger. RESET means a factory setting, so please keep your data safe before the factory reset.

Step 8: Tap “>” and make sure your phone is connected to router WiFi. Then, switch back to the APP page to enter the WiFi password.



Step 9: Configuration is completed.



 **NOTE**

It takes about 1 minute for the data logger to connect to the network. If the green LED on the data logger turns solid, the configuration is successful. If the green LED keeps flashing after 1 minute, please try reconfiguring the network.

Contact

Please contact us if you have any technical problems in terms of the product. Please provide the following information as well:

- ◆ Inverter SN
- ◆ Data logger SN
- ◆ Problem Description

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