



W4G Stick Datalogger Quick Installation Manual

Version: 1.0



Delivery Content

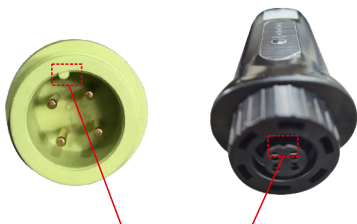
- 1 W4G stick
- 1 Quick Installation Manual

1 Install the datalogger

1.1 Install the datalogger

Connect the datalogger 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:



Match the joint

Install the datalogger:

Step 1: Match the joint, and then insert the datalogger to the inverter COM port.

Step 2: Rotate the black ring in clockwise.



1



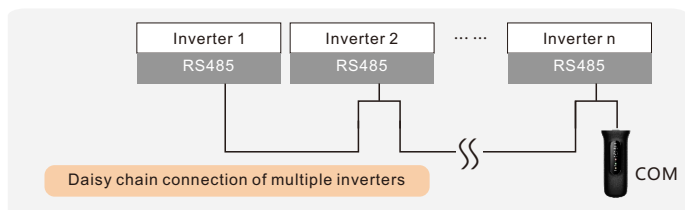
2

NOTE

Only rotate the black ring at the connection end, not rotate the main body.

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 "daisy chain" manner.



After the datalogger 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

LED Lights Status:

LED indicators	Description	LED Status	Meanings
Internet Indicators ● (NET)	Shows the connection status between the datalogger and the server.	Flashing	Trying to connect with server
		ON	Successfully connected
		OFF	Abnormal connection
Inverter COM Indicators ● (COM)	Shows the connection status between datalogger 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 datalogger.	ON	Datalogger is powered up normally
		OFF	Datalogger is powered up abnormally

Button Instruction:

The **[RESET]** button on the back is used for connection.

- Short press will send the data immediately.
- Long press for 5 seconds will enter into config mode for connection router.
- Long press for 10 seconds will reset the connection.

Internet Indicators color: green means wifi mode, blue means 4G mode.

The three constantly ON LED lights indicate the datalogger is working normally.

3 Select Mode

If you only want to use 4G, please refer to the 4G operation steps.

If you only want to use WiFi, please refer to the WIFI operation steps.

If you want to use 4G+ WiFi, please perform the 4G operation steps first, and then perform the WiFi connection operation steps.

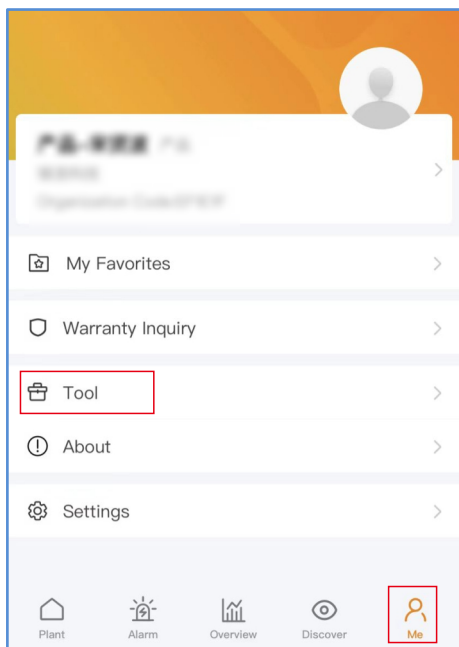
(Priority is given to WIFI. When there is no WIFI or weak WIFI signal, the 4G communication will be automatically switched (if the 4G signal is weak, it will be reduced to 2G for communication). When the WIFI network is restored, the WiFi communication will be automatically switched back.)

3.1 4G Configuration

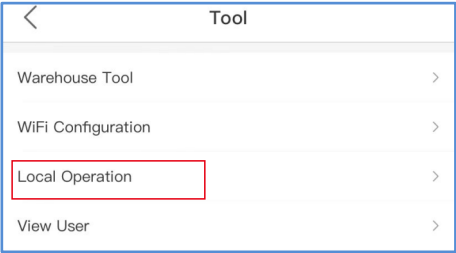
1. SIM card provided by Ginlong, SIM card has been built in, No other settings are required.

SIM card not provided by Ginlong, The SIM card needs to be installed manually, Some SIM cards will automatically recognize APN, if cannot be connected normally, please follow the following steps to set the APN.

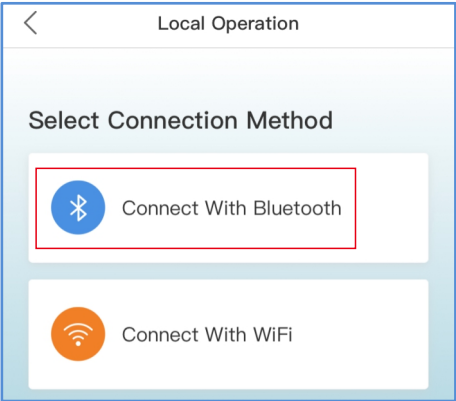
2. Log in to SolisCloud, Click Me then click Tool.



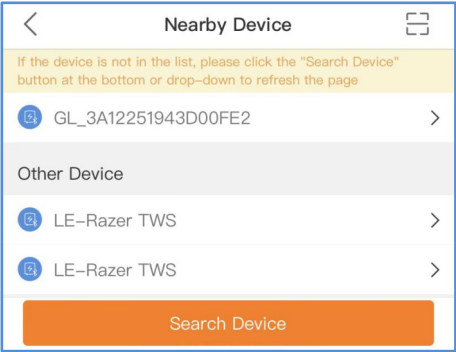
3. Click Local Operation.



4. Click Connect With Bluetooth.



5. Select the Device.



6. Choose “Set current APN”.

16:25

<

3A12251943D00FE2

Datalogger

Inverter

Model Number

929

Host Type

1

Set the max. number of devices connected

10

Current Work Mode

8

>

Settings

Upload Data Once Immediately

>

Restart the datalogger

>

Set the username and password of the currently connected WiFi

>

Set current APN

>

Set the max. number of devices connected

>

Data Upload Cycle

>

Clear datalogger data

>

Set the current platform connection type

>

7. Enter the APN, User Name and Password (If APN is no User Name and Password, unnecessary to fill in).

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Set current APN

Save

* APN

Required

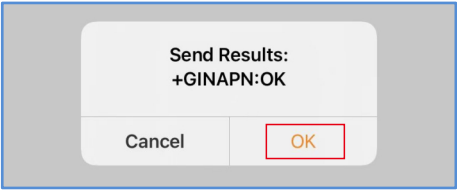
User Name

Optional

Password

Optional

8. If the prompt is OK, Configuration Complete.



 **NOTE**

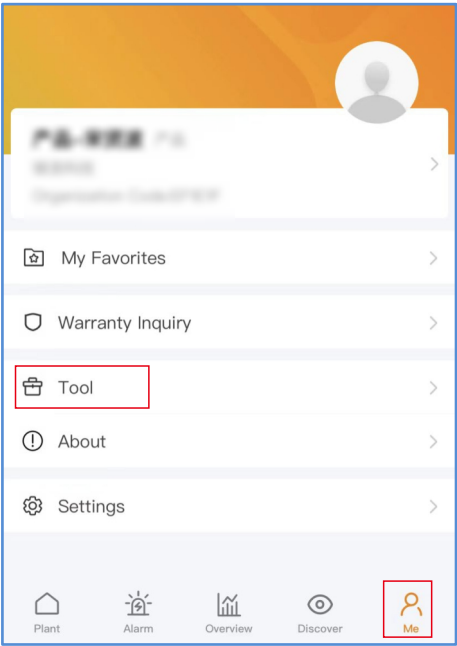
Please check APN, User Name and Password carefully. The wrong APN, User Name and Password will also prompt OK.

3.2 WiFi Configuration

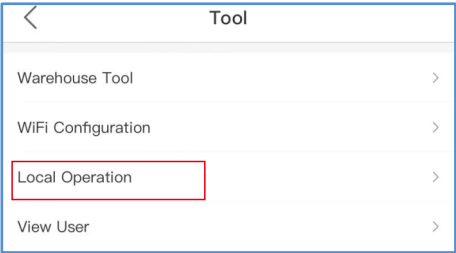
Step 1: Use you phone to scan the QR code to download and register the Solis Cloud APP. Or directly download from APP Store or Google Play Store by searching "Solis Cloud".



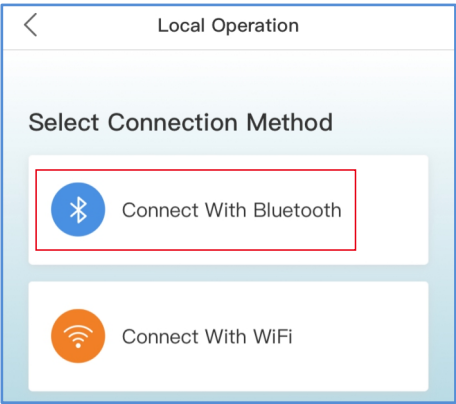
2. Log in to SolisCloud, Click Me then click Tool.



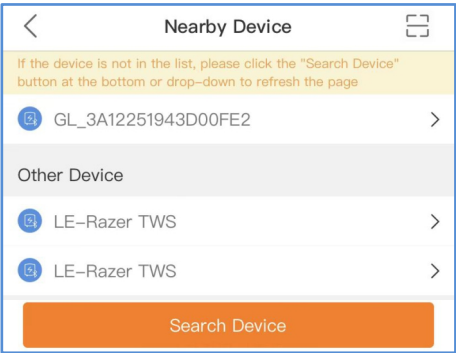
3. Click Local Operation.



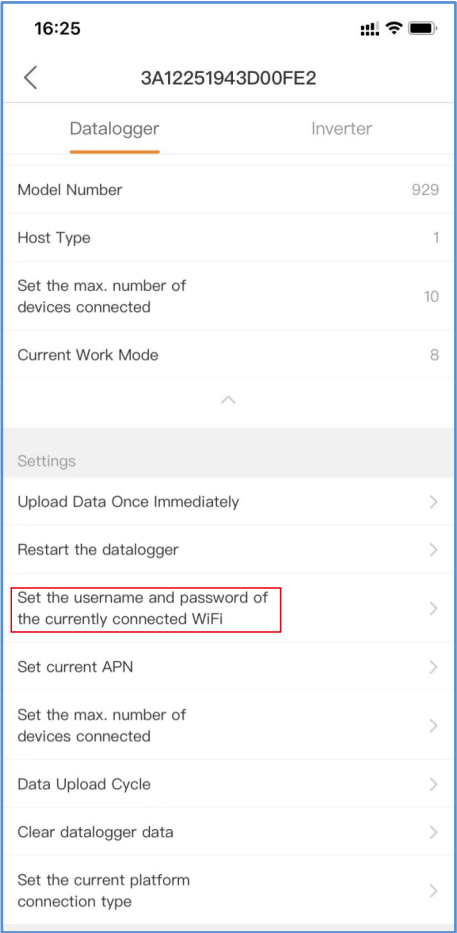
4. Click Connect With Bluetooth.



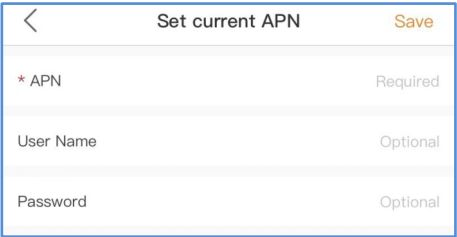
5. Select the Device.



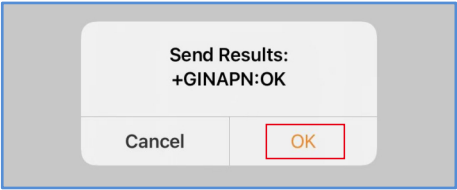
6. Choose “Set the username and password of the currently connected WiFi”.



7. Enter the WiFi name and WiFi password.



8. If the prompt is OK, Configuration Complete.

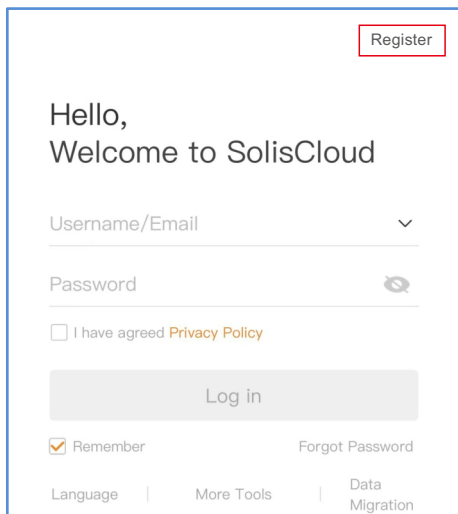


NOTE

Please check WiFi name and WiFi password carefully. The wrong name and password will also prompt OK.

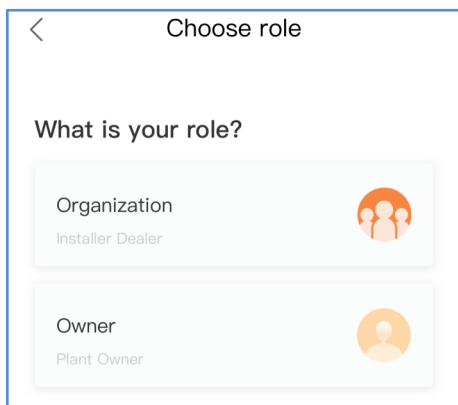
4 Create the Solis Cloud Account

Step 1: Click the “[Register](#)”.



The image shows a web form for SolisCloud. In the top right corner, there is a red-outlined button labeled "Register". Below this, the text "Hello, Welcome to SolisCloud" is displayed. The form contains two input fields: "Username/Email" with a dropdown arrow and "Password" with an eye icon. Below the password field is a checkbox labeled "I have agreed Privacy Policy". A grey "Log in" button is positioned below the checkbox. At the bottom, there is a "Remember" checkbox, a "Forgot Password" link, and three links: "Language", "More Tools", and "Data Migration".

Step2: Select Owner or Organization for email address registration.



The image shows a mobile app screen titled "Choose role" with a back arrow in the top left. The question "What is your role?" is displayed. There are two selectable options, each with a role name, a sub-label, and an icon: "Organization" (Installer Dealer) with an icon of three people, and "Owner" (Plant Owner) with an icon of a single person.

Step3: Enter the email to get the verification code, than enter your account and password, last click the "Register".

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Owner

* Registration Method

Input email

Input verification code

Send

* User Name

Input 2 to 60 English letters, not pure n...

* Password

Input 6 to 32 letters, symbols and...

👁

* Time Zone

(UTC+08:00) PRC

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☐ * I have agreed [Privacy Policy](#)

Register

Owner Register



Organization

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

* Organization (Company) Name

Input 2 to 60 characters

* Registration Method

Input email

Input verification code

Send

* User Name

Input 2 to 60 English letters, not pure n...

* Password

Input 6 to 32 letters, symbols and...



* Organization Code

541248



* Time Zone

(UTC+08:00) PRC



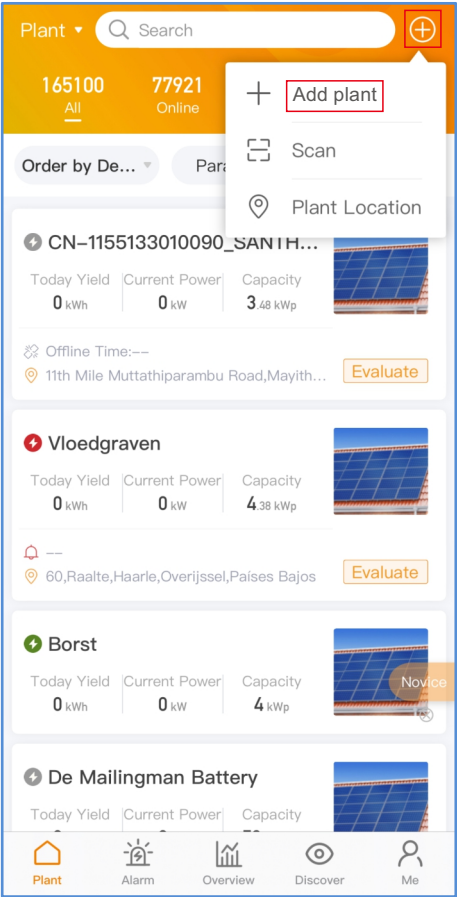
* I have agreed [Privacy Policy](#)

Register

Organization Register

5 Create Plant

Step1: Enter the main page of Solis Cloud APP, click “+” at the top right corner and select "Add plant" .



Step 3: Confirm the plant information.
Click "[Create plant](#)".

Create Plant

Done

Plant Name

text

Plant Type

Residential

Area

Location

Address

Ningbo Zhejiang

Time Zone

(UTC-05:00) US/
East-Indiana

Currency

USD

Earning per
kWh(USD/kWh)

0.390

Organization
Code

EF1E1F

Grid Connection
Type

Entire Energy Exported

Azimuth

0°

Inclination

30°

Cancel

Create Plant

Step 4: Click "[View plant](#)" to enter the plant homepage , then add the datalogger.

Created successfully

View plant

No datalogger was added,
please add a datalogger

Cancel

Add

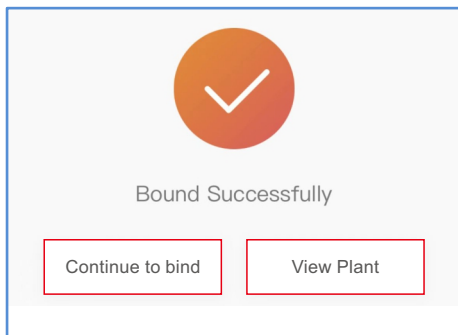
Step 5: Scan the SN number of the datalogger or manually input it.



Note: Scan the **datalogger SN**, NOT the **inverter SN**.



Step 6: Plant creation succeeds. Click "[Continue to bind](#)" to check the monitoring data. If the plant has multiple dataloggers, please click "[View Plant](#)".



6 FCC Certification

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Contact

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

- ◆ Inverter SN
- ◆ Datalogger SN
- ◆ Problem Description

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