



**Solar Europe
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Stick Logger

Product Model:

LSW-3-C



Notice:

Please read this manual carefully before using products and keep it in the place where O&M providers can easily find.

Due to product upgrade and other factors, the content of this manual might change from time to time. Please take actual product as standard and get latest manual from www.solarmanpv.com or sales. Unless otherwise agreed herein, this manual will only be used as guidance. Any statement, information or suggestion in this manual will not take any form of responsibility.

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Download APP



SOLARMAN Smart
for end user



SOLARMAN Business
for business

iPhone: Search "SOLARMAN Smart" in Apple Store.

Android: Search "SOLARMAN Smart" in Google Play.



Warning:

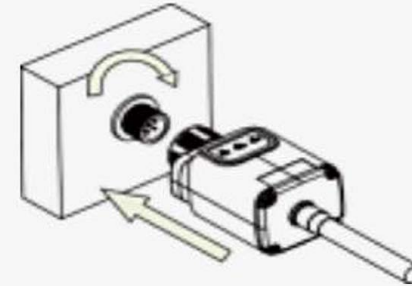
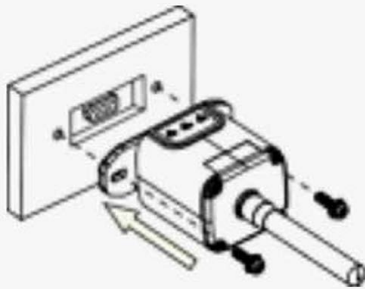
Please remove logger after power off.

Stick Logger Installation

Type 1

Step1:

Assemble logger to the inverter communication interface as shown in the diagram.



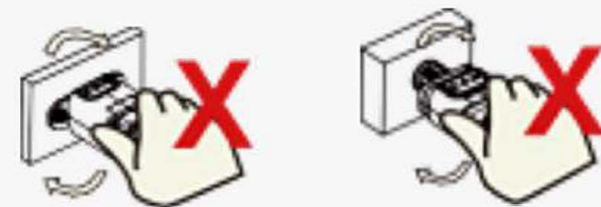
Warning:

Please do not hold the logger body to rotate while install or remove the logger.

Type 2




Step1:

Assemble logger to the inverter communication interface as shown in the diagram.



Logger Status

Check Indicator light

Light	Implication	Instruction
 NET	Communicate with base station	1.On 200ms/Off 1800ms: 4G module has connected to base station. 2.On 1800ms/Off 200ms: 4G module is idle. 3.On 125ms/Off 125ms: 4G module is transmitting data. 4.Off: 4G module is not running.
 COM	Communicate with inverter	1.On : Logger has connected to inverter. 2.On 400ms/Off 1600ms: Logger is in initialization. 3.On 400ms/Off 400ms: Logger is transmitting data with inverter. 4.Off: Communication failed.
 READY	Logger running status	1.Light off: Running abnormally. 2.On 1s/Off 1s (Slow flash): Running normally. 3.On 100ms/Off 100ms(Fast flash): Restore factory settings.

The normal operation status of the stick logger, when router connected to the network normally:

- 1.Successful connection status with serve: NET light keeps on after the logger powered on.
- 2.Logger running normally: READY light flashes.
- 3.Successful connection status with inverter : COM light keeps on.

Abnormal State Processing

If the data on platform is abnormal when the stick logger is running, please check the table below and according to the status of indicator lights to complete a simple troubleshooting. If it still can not be resolved or indicator lights status do not show in the table below, please contact Customer Support.

(Note: Please using the following table query after power-on for 2min at least.)

NET	COM	READY	Fault Description	Fault Cause	Solution
Any state	OFF	ON	Slow flash	1.Connection between stick logger and inverter loosen. 2.Inverter does not match with stick logger's communication rate.	1.Check the connection between stick logger and inverter. Remove the stick logger and install again. 2.Check inverter's communication rate to see if it matches with stick logger's. 3.Long press Reset button for 5s, reboot stick logger.

OFF	ON	Slow flash	Connection between logger and router abnormal	1.Stick logger does not have a network. 2.Antenna abnormal 3.Router WiFi signal strength weak.	1.Stick logger does not have a network. 2.Antenna abnormal 3.Router WiFi signal strength weak.
Slow flash	ON	Slow flash	Connection between logger and router normal, connection between logger and remote server abnormal.	1. Router networking abnormal. 2. The server point of logger is modified. 3.Network limitatin, server cannot be connected.	1. Check if the router has access to the network. 2. Check the router's setting, if the connection is limited. 3. Contact our customer service.
OFF	OFF	OFF	Power supply abnormal	1. Connection between stick logger and inverter loosen or abnormal. 2. Inverter power insufficient. 3. Stick Logger abnormal.	1. Check the connection, remove the stick logger and install again. 2. Check inverter output power. 3.Contact our customer service.
Fast flash	Any state	Any state	SMARTLINK networking status	Normal	1.Exit automatically after 5 mins. 2.Long press Reset button for 5s, reboot stick logger. 3.Long press Reset button for 10s, restore factory settings.
Any state	Any state	Fast flash	Restore factory settings	Normal	1.Exit automatically after 1 mins. 2.Long press Reset button for 5s, reboot stick logger. 3.Long press Reset button for 10s, restore factory settings.

Usage Methods and Notices for Reset Button

Usage methods and key-press descriptions for reset button



Key-press	Status Description	Light Status
Short press 1s	SMARTLINK rapid networking status.	NET light flashes fast for 100ms.
Long press 5s	Rebooting the stick logger.	All lights are extinguished immediately.
Long press 10s	Resetting the stick logger.	1.All lights are extinguished after 4s. 2.READY light flashes fast for 100ms.



Notice:

Do not remove waterproof plug.

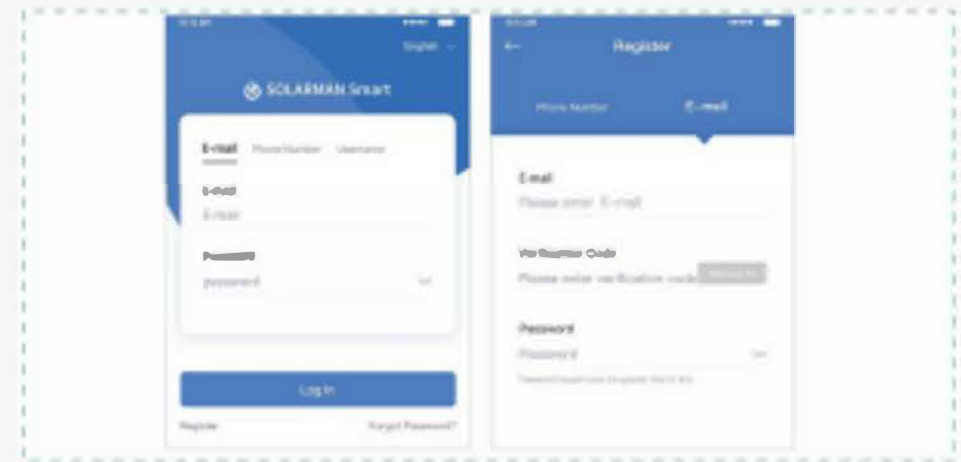


USER MANUAL for SOLARMAN Smart APP

1.Registration

Go to SOLARMAN Smart and register.

Click "Register" and create your account here.



2.Create a Plant

Click "Add Now" to create your plant.

Please fill in plant basic info and other info here.



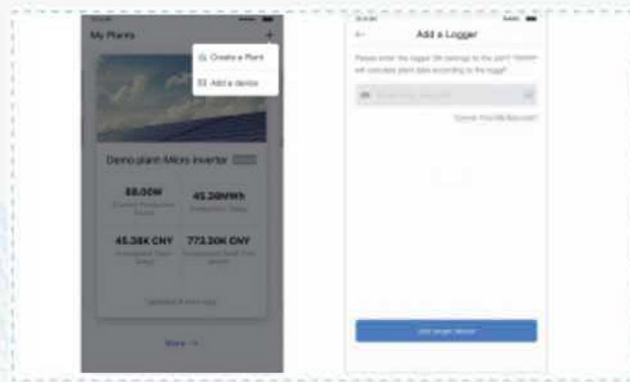
Network Configuration

After the logger is added, please configure the network to ensure normal operation. Go to "Plant Details"->"Device List", find the target SN and click "Networking".

3.Add a Logger

Method 1: Enter logger sn manually.

Method 2: Click the icon in the right and scan to enter logger SN You can find logger SN in the external packaging or on the logger body.



Step 1: Confirm WiFi Info

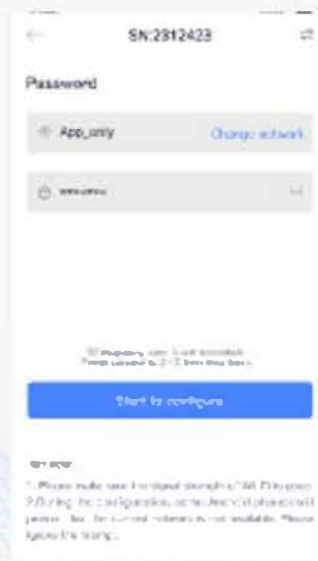
Please make sure your phone has connected to the right WiFi network. And click "Start".



Notice:

5G WiFi is not supported .

Special characters (e.g. , ; " = " `) in router name and password are not supported.

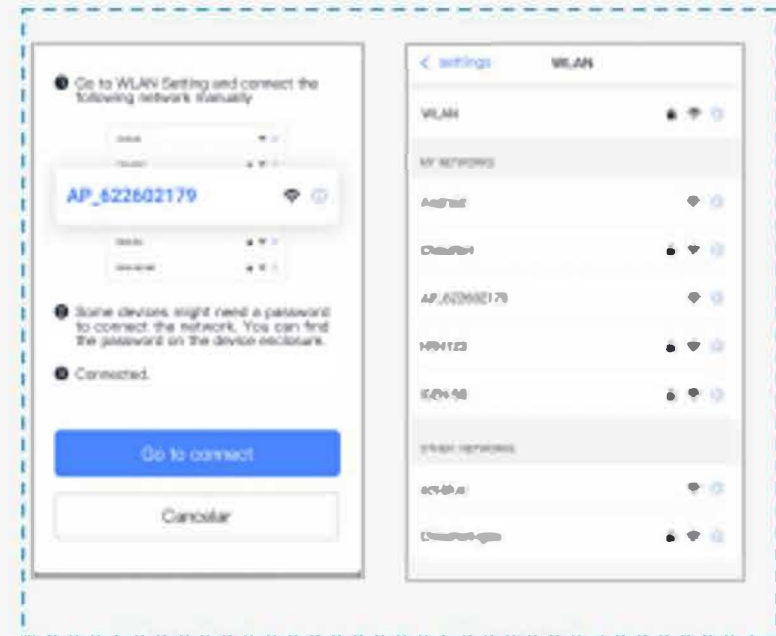


Step 2: Connect to AP network

Click "Go to connect" and find the right "AP_XXXXX" network (XXXXX refers to logger SN).

If the password is required, you can find the password on the logger body.

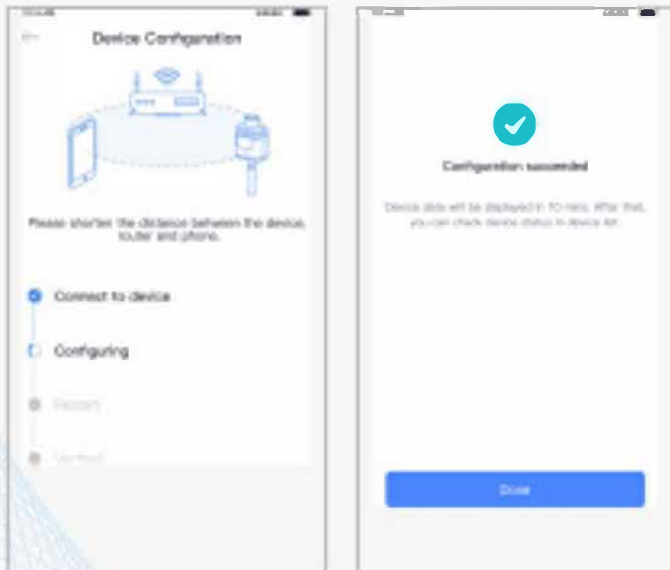
Go back to SOLARMAN Smart APP, after connecting to AP network.



Step 3: Auto Configuration

Please wait for a while to complete the configuration. Then system will switch to the following page.

Click "Done" to check plant data. (Usually, the data will be updated in 10 mins)



If configuration failure occurs, please check the following reason and try it again.

- (1) Make sure WLAN is ON.
- (2) Make sure WiFi is normal.
- (3) Make sure wireless router does not implement the white-black list.
- (4) Remove the special characters in WiFi network.
- (5) Shorten the distance between the phone and device.
- (6) Try to connect to other WiFi.



Warning:

Please make sure the stick logger is working properly before you leave the site. If there is anything abnormal, please do not leave the site and contact customer service at the first time.

E-mail: customerservice@solarmanpv.com

If you have any technical queries about our products, please contact us and provide the following information:

1. Product model and serial number of stick logger.
2. Product model and serial number of connected inverter.

Thank you for your support and cooperation!