

## Contact

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 **Website:** [www.solarmanpv.com](http://www.solarmanpv.com)

## Stick Logger

Product Model:

# LSW-5



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](http://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.

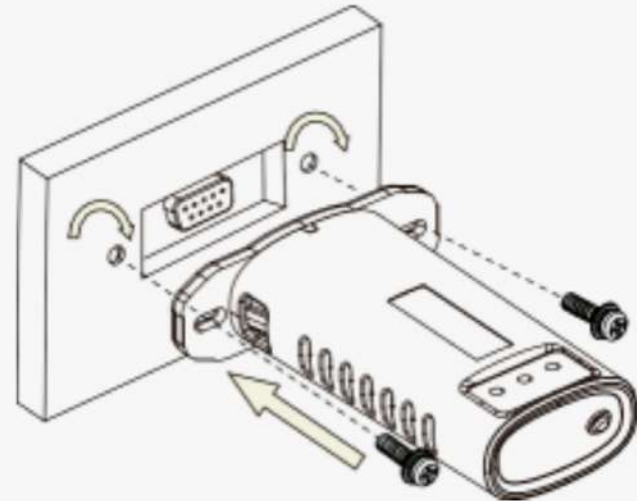
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## Logger Installation

### Interface 1

Fix inverter and logger with the screws. Please refer to the installation steps for DB9 interface.

Fix logger to inverter com interface according the diagram.



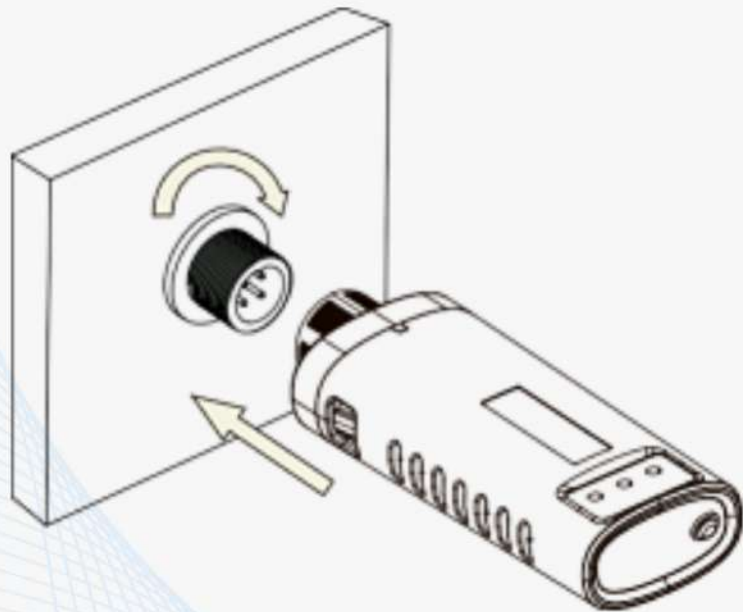
Warning:  
Please power off during the installation.

## Interface 2

Fix inverter and logger with aeronautical head.

Install the logger according to guide slot.

Tighten the cap in a clockwise direction.

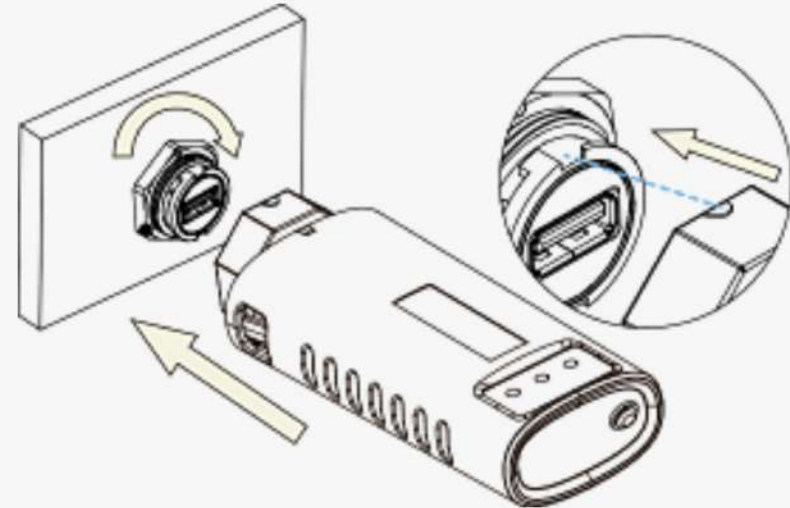


## Interface 3

Fix inverter and logger with USB head.


Install the logger according to guide slot.

Tighten the cap in a clockwise direction.



## LED Indicator Lights Instruction

Check Indicator light

Light	Implication	Instruction
 NET	Communicate with router	1.Light off: Connection to the router failed. 2.On 1s/Off 1s (Slow flash): Connection to the router succeeded. 3.Light on: Connection to the server succeeded. 4.On 100ms/Off 100ms (Fast flash): Quick network distribution.
 COM	Communicate with inverter	1.Light on: Logger connected to the inverter. 2.Light off: Connection to the inverter failed. 3.On 1s/Off 1s (Slow flash): Communicating with inverter.
 READY	Logger running status	1.Light off: Logger runs abnormally. 2.On 1s/Off 1s (Slow flash): Logger runs normally. 3.On 100ms/Off 100ms (Fast flash): Restore factory setting.

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 our Customer Support.

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

NET	COM	READY	Fault Description	Fault Cause	Solution
●	●	●			
Any state	OFF	ON	Communicate with inverter abnormal	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.

OFF	ON	Slow flash	Connection between logger and router abnormal	1.Stick logger does not have a network. 2.WiFi signal strength weak	1.Check if the wireless network configured. 2.Enhance WiFi signal strength.
Slow flash	ON	Slow flash	Connection to router normally, connection to server abnormal	1.Router network abnormal. 2.Server point has been modified. 3.Network limited.	1.Check if the router has network. 2.Check router settings. 3.Contact 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 if the router has network. 2.Check router settings. 3.Contact Customer Service.
Fast flash	Any state	Any state	Bluetooth network distribution	Normal	1.Exit after 5min. 2.5s long press for rebooting. 3.10s long press for restoring.
Any state	Any state	Fast flash	Restore factory setting	Normal	1.Exit after 1min. 2.5s long press for rebooting. 3.10s long press for restoring.



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](mailto:customerservice@solarmanpv.com)

## Monitoring Platform

### 1.Download

If you are an end-user, it is recommended to use SOLARMAN Smart. Scan the QR code below to download the APP or go to Android Market/App Store and search "SOLARMAN Smart" to download.

Web entrance: <https://home.solarmanpv.com>



SOLARMAN Smart

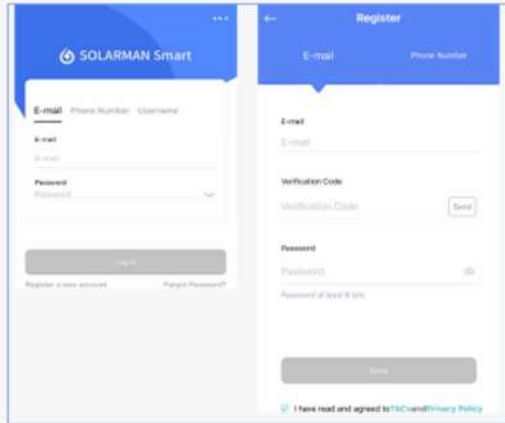
If you have any technical queries about our products, please contact us and provide the following information:

- 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!

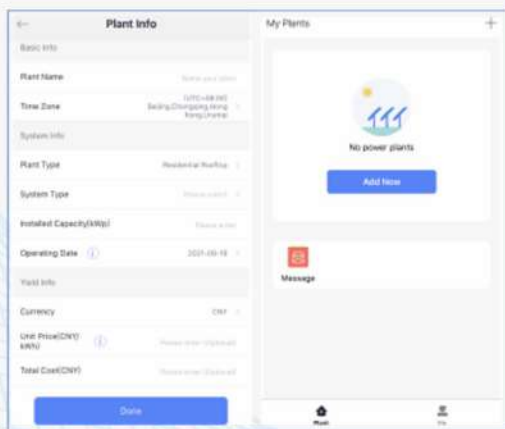
## 2.Registration

Go to SOLARMAN Smart and click "Register" to create an account.



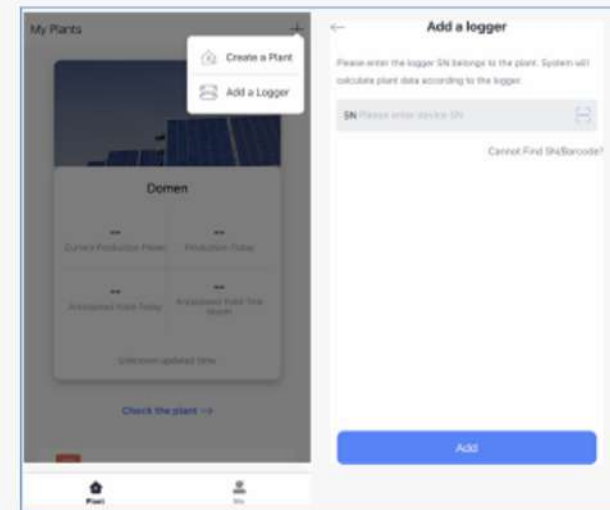
## 3.Create a Plant

Click "Create a Plant" and enter basic plant info.



## 4.Add a Logger

Click "+" in the upper-right corner and select "Add a Logger", scan logger SN or enter SN manually.

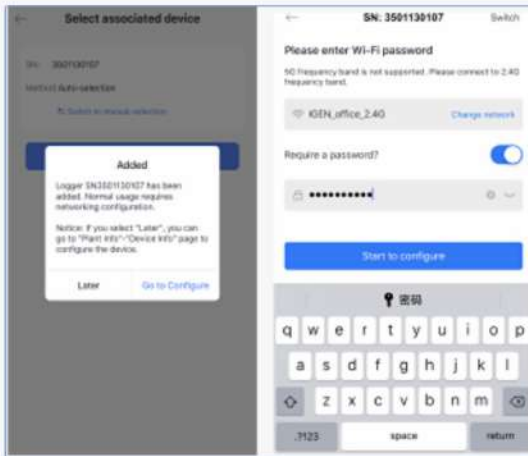


## 5. Network Configuration

Click "Go to Configure" to set network. Please select 2.4G network.

(5G network is not supported for now.)

Please keep WiFi and Bluetooth ON.



Please wait for a few minute, and click "Done" to check plant data.

