

Wi-Fi Logger Quick Guide

Model: LSW-3/LSW-3-C

Note:

Please read this manual carefully before using the product and keep it in a place where it can be easily found by customer service staff. Due to product improvements and other factors, the contents of this manual may change from time to time. Please treat the current product as the standard and obtain the latest manual from www.solarman.cn or your distributor. Unless otherwise agreed, this manual is for guidance only. Any statement, information or suggestion contained in this manual is provided without any liability.

The contents of this document (in whole or in part) may not be extracted, copied or transmitted by any company or individual in any form without written permission.



Warning:

Please remove the logger after switching off the device

Download APP



SOLARMAN Smart
For end users



SOLARMAN Business
For businesses

iPhone: Search for "SOLARMAN Smart" in the

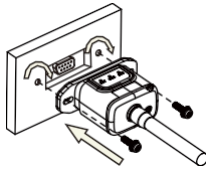
Apple Store. **Android:** Search for "SOLARMAN Smart" on Google Play.

1. Stick Logger Installation

Type 1

Step 1: Connect the logger to the inverter as shown in "B1".

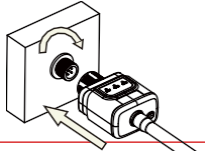
B1:



Type 2

Step 1: Connect the logger to the inverter as shown in "B2".

B2:



Warning:

Please do not attempt to rotate the logger during installation.



2. Logger status

2.1 Check the indicator lights

Lights	Meaning	Status description (All lights are green)
NET	Communication with router	1. Light off: Connection to router failed 2. On for 1 s / Off for 1 s (slow flashing): Connection to the router successful. 3. Light remains on: Connection to the server was successful. 4. On for 100 ms/off for 100 ms (flashing): Fast distribution network.
COM	Communication with the inverter	1. Light remains on: The logger is connected to the inverter. 2. Light off: Connection failed. 3. On for 1 s/Off for 1 s (slow): Communication established.
READY	Logger status	1. Light off: Logger malfunction. 2. On for 1 s/Off for 1 s (slow): Normal operation. 3. On for 100 ms/Off for 100 ms (fast): Factory reset.

The normal operating status of the stick logger when the router is connected to the network as normal:

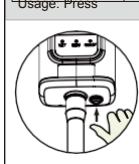
1. Connection to the server successful: The NET light is on
2. Logger running normally: The READY light flashes.
3. Connection to the inverter successful: The COM light remains on.

3. Handling abnormal conditions

If the data on the platform is abnormal whilst the Stick Logger is running, please check the table below and the status of the indicator lights to carry out a simple troubleshooting check. If the problem still cannot be resolved or the status of the indicator lights is not shown in the table below, please contact customer service.

(Note: Please use the table below after the system has been switched on for at least 2 minutes).

NET	COM	READY	Error Description	Causes of the error	Possible solutions
NET	COM	READY			
Each status	Off	Brief flashing	Communication with inverter abnormal	1. Connection between stick logger and inverter is loose. 2. The inverter does not match the stick logger's communication rate.	1. Loosen the connection between the logger and the inverter. 2. The inverter does not match the logger's communication rate.
Off	On	Short Flashing	No connection between the logger and the router	1. The Stick Logger has no network connection. 2. Antenna faulty 3. Router Wi-Fi signal strength is weak.	1. Check that the wireless network is configured. 2. Check the antenna for damage or loose connections. 3. Improve the router's Wi-Fi signal strength. 4. Press and hold the reset button for 10 seconds, restart the stick logger and reconnect to the network.
Flashing briefly	On	Short flash	Connection between logger and router is normal; connection between logger and server has failed	1. Router connection abnormal 2. The logger's server address has been changed 3. Server not connected	1. Check whether the router has access to the network. 2. Check the router settings if the connection is restricted. 3. Contact our customer service team.
Off	Off	Off	Power supply faulty	1. Connection between the Sticklogger and the inverter is loose or faulty. 2. The inverter's output is insufficient. 3. Stick Logger abnormal.	1. Check the connection, remove the Stick Logger and reinstall it. 2. Check the inverter's output power. 3. Contact our customer service team.
Fast Flashing	Any status	Any status	Status of the SMARTLINK network	Normal	1. Automatic shutdown after 5 minutes. 2. Press and hold the reset button for 5 seconds to restart the stick logger. 3. Press and hold the reset button for 10 seconds to restore factory settings.
Any state	Any state	Rapid flashing	Reset button presses	4.1 How to use the Reset button and descriptions of button presses	1. Automatic shutdown after 1 minute. 2. Press and hold the reset button for 5 seconds to restart the stick logger. 3. Press and hold the reset button for 10 seconds to restore factory settings.



Reset button	Status Description	Light status
Press for 1 second	Status of the SMARTLINK quick connection.	The NET light flashes rapidly for 100 ms.
Press for 5s	Restart the Stick-Logger.	All lights switch off immediately.
Press for 10s	Reset the Stick-Logger.	1. All the lights have gone out after 4 seconds 2. The 'Ready' lights flash rapidly (100 ms)

4.2 Notes on the reset button



Note:

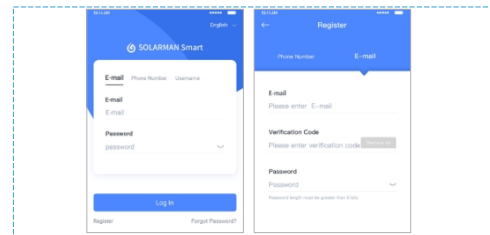
Do not remove the waterproof plug seal.



Instructions for the Solar Man Smart app.

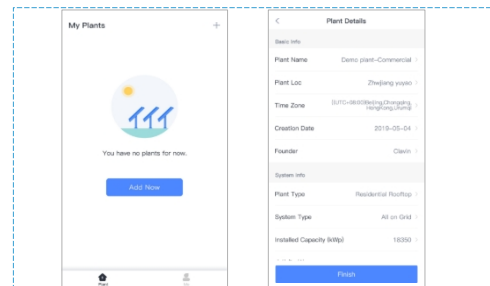
1. Registration

Download Solar Man Smart and register.



2. Add a System

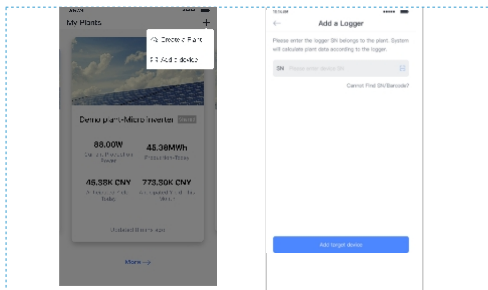
Press "Add Now" to add a facility. Please fill in all the relevant details for the system.



3. Add a Logger

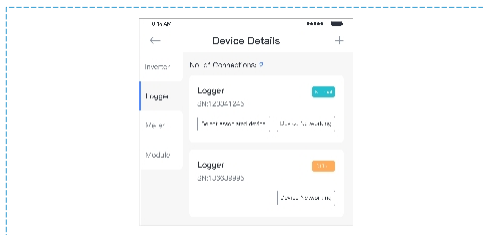
Method 1: Enter the logger's serial number manually.

Method 2: Click on the icon on the right and scan the QR code on the logger's casing or the QR code on the logger's packaging.



4. Network configuration

Once the logger has been added, please configure the network to ensure normal operation. Go to 'Plant Details' – 'Device List', search for the target SN and click on 'Networking'.

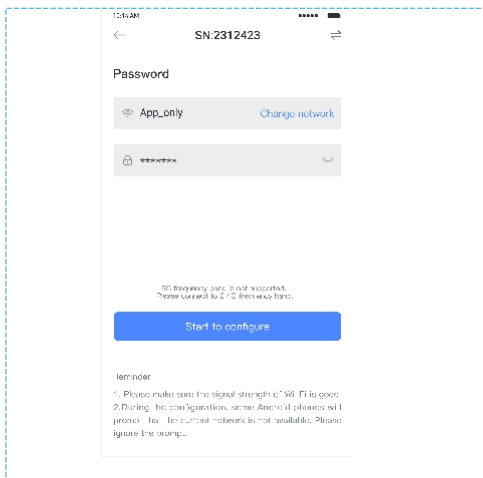


Step 1: Check Wi-Fi details

Please make sure your phone is connected to the correct Wi-Fi network. Then click 'Start'.



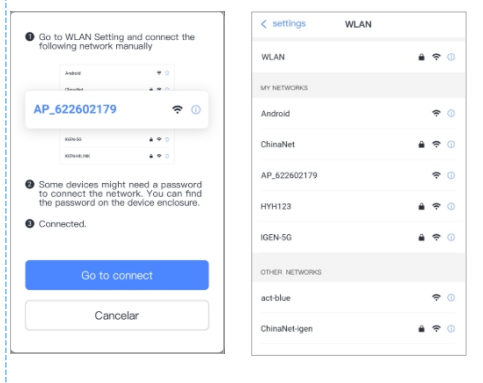
Important:
5G Wi-Fi is not supported



Step 2: Connect to the AP network

Click on "Go to connect" and locate the correct "AP_XXXXX" network (XXXXX refers to the logger's serial number). If a password is required, you can find the password on the logger's casing.

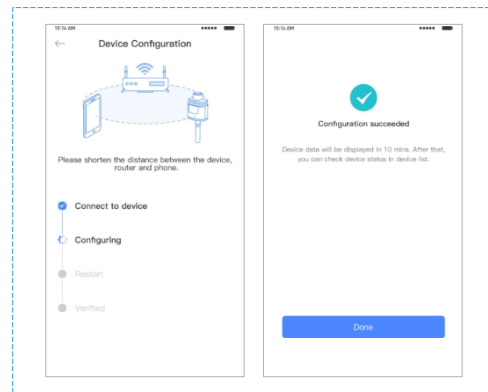
Return to the SOLARMAN Smart app once you have connected to the AP network.



3. Auto-configuration

Please wait a moment until the configuration is complete. The system will then redirect you to the following page.

Click "Done" to check the plant data. (The data is normally updated within 10 minutes)



If the configuration fails, please check the following possible causes and try again.

- (1) Make sure Wi-Fi is switched on.
- (2) Make sure that Wi-Fi is working normally.
- (3) Make sure that the Wi-Fi router is not using a whitelist or blacklist.
- (4) Remove any special characters from the Wi-Fi network name.
- (5) Reduce the distance between the phone and the device.
- (6) Try connecting to a different Wi-Fi network.



Warning: Please ensure that the stick logger is working properly. Should anything unusual occur, please do not leave the site and contact customer services immediately.
Customer service number: 400-181-0512

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

1. Product model and serial number of the stick logger.
 2. Product model and serial number of the connected inverter.
- Thank you for your support and cooperation!

Warranty Card

Dear Customers,

Thank you very much for using our products. To help us provide you with better service, please complete the warranty card and keep it in a safe place.

User Name		Customer Name	
Purchase Date		Customer Phone	
Product Name & Model		Product SN	
Customer Address			
Order No.			
Maintenance Records	Date	Cause of Fault and Remedy	

Warranty Policy

If there is any fault caused by a defect in the product itself, customers can send the warranty card together with the product to our Customer Service Centre.

Notice

1. In accordance with the terms and conditions, the warranty period is 5 years (from the date you receive the product). During the warranty period, we provide a free maintenance service to resolve all non-man-made quality issues, provided the product is used under normal circumstances. If the product is outside the warranty period, only the cost of maintenance will be charged.
2. If the product failure is not due to quality issues (such as improper use, improper storage, unauthorised disassembly, etc.), maintenance costs will be charged.
3. Please pay the return postage in advance. We do not accept carriage forward.

Support Email: customerservice@solarmanpv.com

Customer Hotline: +86 400 181 0512

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