Stick Logger Quick Guide

Model：LSW-4

Notice:

Please read this manual carefully before using products and keep it in the place where O&M providers can easily find.
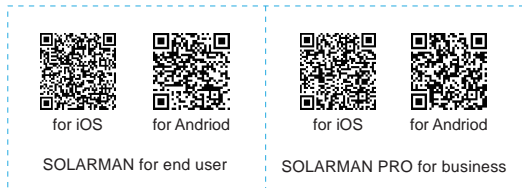
Due to product upgrade and other factors, the content of this manual might change from time to time. Please take actual product as standard and get latest manual from www.solarman.cn or sales. Unless otherwise agreed herein, this manual will only be used as guidance. Any statement, information or suggestion in this manual will not take any form of responsibility.

Without written permission, any content of this document (partly or entirely) cannot be extracted, copied or transmitted in any form by any company or individual.

Warning:
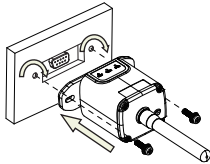Please remove logger after power off.

Download APP

| for iOS | for Andriod | for iOS | for Andriod |
| SOLARMAN for end user | | SOLARMAN PRO for business | |

iPhone：Search "SOLARMAN"in Apple Store.

Android：Search "SOLARMAN"in Google Play.

1. Stick Logger Installation
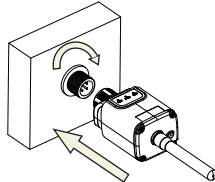
Type 1

Step1: Assemble logger to the inverter communication interface as shown in the diagram.
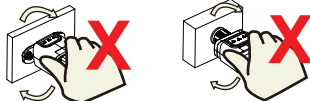

Type 2

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.

2. Logger Status

2.1 Check Indicator light

Lights	Implication	Status Description(All lights are single green lights.)
NET	Communication with router	1.Light off: Connection to the router failed. 2.On 1s/Off 1s(Slow flash): Connection to the router succeeded. 3.Light keeps on: Connection to the server succeeded. 4.On 100ms/Off 100ms(Fast flash): Distributing network fast.
COM	Communication with inverter	1.Light keeps 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: 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. Connection to the server succeeded: NET light keeps on after the logger powered on.
2. Logger running normally: READY light flashes.
3. Connection to the inverter succeeded: COM light keeps on.

3. 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 2mins at least.)

NET	COM	READY	Fault Description	Fault Cause	Solution
Any state	OFF	Slow flash	Communication 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. 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.Check if the wireless network configured. 2.Check the antenna, if there is any damage or loose. 3.Enhance router WiFi signal strength. 4.Long press Reset button for 10s, reboot stick logger and networking again.
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 limitation, 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 5mins. 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 1mins. 2.Long press Reset button for 5s, reboot stick logger. 3.Long press Reset button for 10s, restore factory settings.

4. Usage methods and notices for Reset button

4.1 Usage methods and key-press descriptions for Reset button

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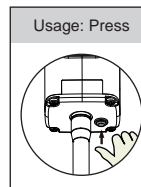
Key-press	Status Description	Light Status
Short press 1s	SMARTLINK rapid networking status.	NET light flashes fast for 100ms.
Long press 5s	Rebooting the stick logger.	All lights are extinguished immediately.
Long press 10s	Resetting the stick logger.	1.All lights are extinguished after 4s. 2.READY light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

4.2 Notices for Reset button

Notice:
Do not remove waterproof plug.

APP USER MANUAL

1.Registration

Click [Register] to create new account. You can use email to register.

2. Create Plant

2.1 Click [+] and select [Create Plant]. Then scan the serial number of the stick logger, or manually enter the serial number.


2.2 Edit plant information.

(1)Confirm plant location (GPS function will automatically locate the plant site; if you want to modify the location, click the "map" icon in box a, and then manually enter the address in box b.)

(2)Select plant type

(3)Select grid type

(4)Fill in plant capacity
(It is not necessary to modify other information because APP has obtained local electricity price and FIT already.)
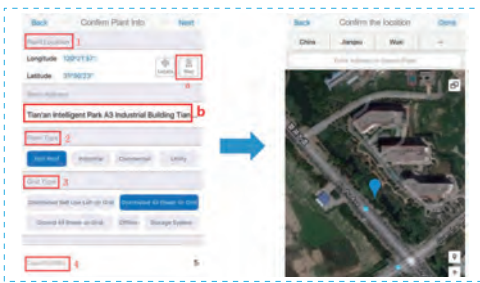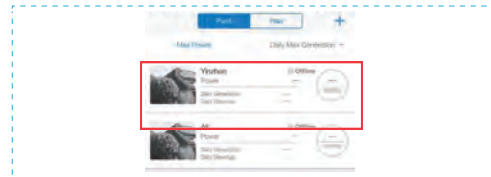
2.3 Input Plant Name

It is suggested to create a plant name like "location + name + capacity" (e.g. Wuxi IGEN 8.1 KW), then click [Done].
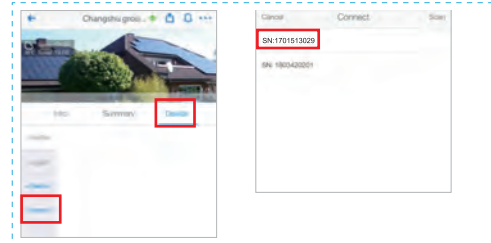

2.4 Go to Homepage to check new plant.

3. WiFi Connection Configuration

Select the plant which WiFi logger needs to be configured, click "Device", then "Connect", choose the WiFi logger SN needs to be configured.
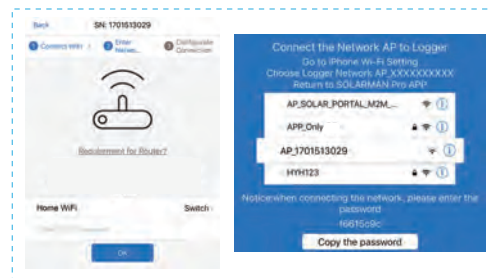

AP configuration

（1）Please make sure that the phone is connected to the WiFi network and enter the WiFi password.
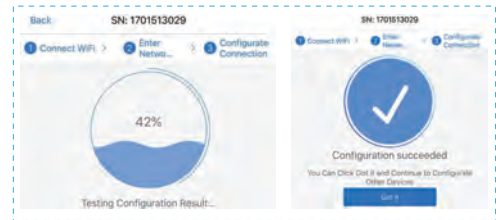
Note:
Both 2.4G WiFi and 5G WiFi are supported .

(2) Go to [Network Settings] interface in your phone, select stick logger's network AP_XXXXXXXXXX(S/N) and input the password. Then return to SOLARMAN APP, the stick logger will start to configure.

(3) Return to APP, the stick logger will start to configure.

If the configuration fails, the reasons may be:

1. Router password is wrong. Please click [Retry] and check the password.

2.The router's network signal is weak and the logger is too far away from the router. Please put the router closer to the logger.

3.Click too fast during the Logger's AP connection. Please wait a few seconds and then jump to the configuration after Logger's AP is connected.

If you encounter following situations, please reconfigure logger network :

1.Change router

2.Change WiFi password

3.Change router's SSID

4.Enterprise routers may restrict WiFi connectivity.

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

WARRANTY CARD

Dear Customers,

Thank you very much for using our products. In order to provide you with better service, please fill in the warranty card and reserve it carefully.

User Name		Customer Name	
Purchase Date		Customer Phone	
Product Name &Model		Product SN	
Customer Address			
Order No.			
Maintenance Records	Date	Failure Cause and Treatment	

Warranty Policy

If there is any breakdown which caused by the product's own quality, customers can send the warranty card with the product to our Customer Service Center.

Notice

1.According to the prescription, the warranty period is 5 years(From the day when you receive the product). During the warranty period, we provide free maintenance service to solve all non-artifical quality problems if the product is under normal usage circumstance. If the product exceeds the warranty period, only maintenance cost will be charged.

2.If the failure of the product is not due to quality problems(such as improper use, improper storage, unauthorized disassembly, etc.) , maintenance cost will be charged.

3.Please pay for back goods freight in advance. Freight collect is not accepted.

Support Email：customerservice@solarmanpv.com

Customer Hotline：+86 400 181 0512

Company Address: A2-B-4, Tian'an iPark, No.228 Linghu Avenue, New District, Wuxi, Jiangsu Province, P.R.China

FCC WARNING

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.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

FCC ID: 2AEPW-LSW-4-C