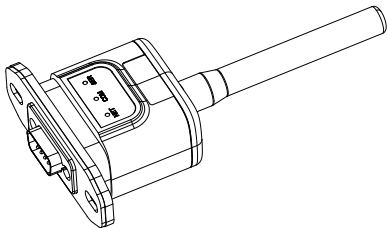


# STICK LOGGER (GPRS) QUICK GUIDE

Product Model : LSG-3



**Warning**

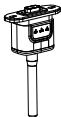
*Please remove the logger after power off*

**Notice**

Please carefully read this manual 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](http://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.

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**Product List**

Stick Logger  
X1



Guide  
X1



Manual  
X1



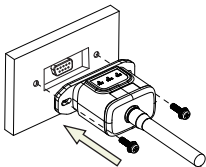
Card  
X1



M4\*12 Screw  
X4

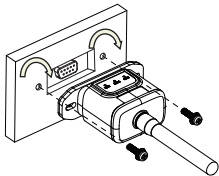
## 1. Logger Installation

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

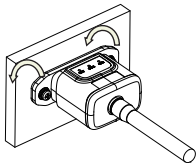


(2) Install / Remove

Install  
(clockwise rotation)

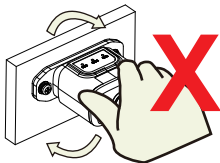


Remove  
(counter-clockwise rotation)




**Warning**

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





## 2. Logger Status

2.1 Check the NET, COM and SER lights of the logger.

Lights	Implication	Status Description
 NET	Communication with base station	(1) on 64ms/ off 800ms(fast flash) : GPRS module is not registered to the network. (2) on 64ms/ off 2000ms(slow flash) : GPRS module is registered to the network. (3) on 64ms/ off 600ms(flash) : GPRS data transmission communication. (4) off: GPRS module not running.

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 COM	Communication with inverter	<p>(1) on: the logger is connected to the inverter.</p> <p>(2) on 400ms/off 1600ms: the logger is initialized.</p> <p>(3) on: 400ms/off: 400ms(fast flash): transfer data between the logger and the inverter.</p> <p>(4) off: logger and inverter communication failure.</p>
 SER	Communication with server	<p>(1) on: the logger is connected to the server.</p> <p>(2) on 400ms/off 1600ms(slow flash): the logger is initialized.</p> <p>(3) on: 400ms/off: 400ms(fast flash): logger and server communication failure.</p> <p>(4) flashing: logger and server communication failure.</p>

The normal operation status of the stick logger:

1.About 25 seconds after the bar is plugged in, the COM and SER lights start to slow flash (the logger is initialized);

2.In about 35 seconds, NET light begins to fast flash (register the network); in about 45 seconds, the NET light continued to slow flash after the registration was successful.

3.In about 50 seconds, COM light fast flashes 3 times and keep on, which means communicating with the inverter successfully.

4.In about 2 minutes, when NET light slow flashes, COM and SER keep on, the logger is working normally.

5. When GPRS uploads the data, the NET light fast flashes and the SER light is always on.

2.1 Confirm base station signal strength and inverter state through APP.

Search "solarman" in Apple App Store/Google Play and use its "scan" tool to confirm the signal strength of the installation position.



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Step 1: click the "scan" tool.



Step 2: scan the bar code or manually enter the SN number.


Step 3: it will display signal strength and inverter state.



Please ensure that the collection bar is online and the signal is good.

No signal	Weak Signal		Good Signal		

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Online	Offline	Alert
		

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数据更新时间 2017/12/12 13:36:26 GMT+8

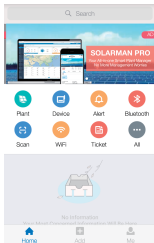
连接设备  **逆变器1234567891234567**

并网状态 并网中 >

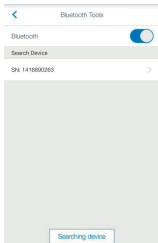
逆变器状态 正常运行

### 3. Bluetooth Testing Tool

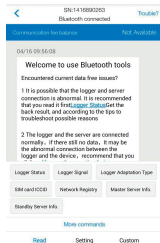
The feature is currently available only to android phones.



Click "Bluetooth" →



Select the device →



Testing interface

#### 4. Handling Suggestions for abnormal status

If the platform data is abnormal, please refer to the following table and complete the troubleshooting. If you can't solve it by yourself, please contact the after-sales service.

(Note: please use the following table after devices operating for 2 minutes.)

NET	COM	SER	Fault Description	Possible Reasons	Recommendation
Any	Off	Any	Abnormal communication between logger and inverter	a) Logger is loose with the inverter; b) The inverter does not match the logger communication rate	a) Retool the stick logger; b) Check whether the communication settings of the inverter are consistent with the logger
Flash	On / Flash	Flash	Abnormal communication between logger and base station	a) SIM card is charged; b) Antenna abnormal; c) Weak signal of GPRS	a) Check the balance of the SIM card; b) Check whether the antenna is loose or damaged; c) Replace the suction antenna
Off	Off	Off	Abnormal power supply	a) Logger is abnormally connected with the inverter, such as loosening; b) Inverter has insufficient power; c) Logger abnormal	a) Retool the stick logger; b) Check the output power of the inverter; c) contact the after-sales service



## SOLARMAN STICK LOGGER QUICK GUIDE

Please do not leave until you make sure that logger is working. If there are any abnormal conditions, please do not leave the site and contact Customer Service (+86 400 181 0512) immediately.

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

- (1) Logger Model and S/N
- (2) Inverter Model and S/N

We appreciate your support !