

Commissioning guide for SUN2000 inverters through LCD screen of Smartlogger1000



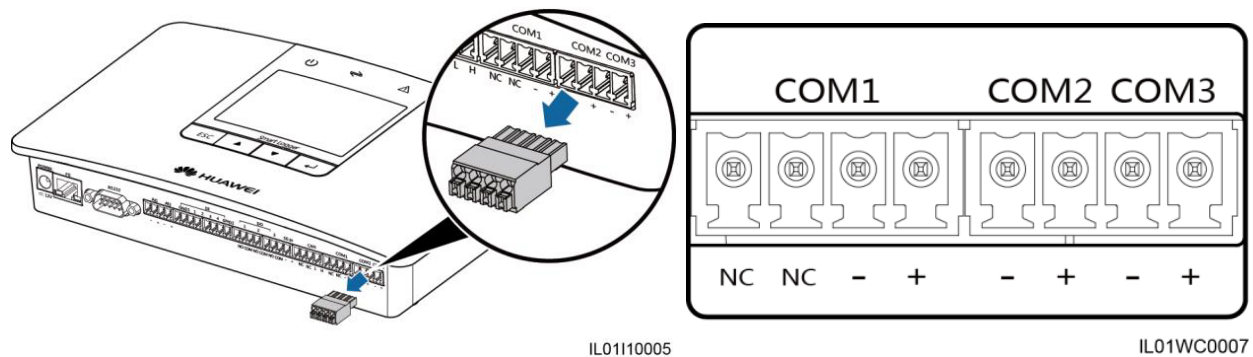
Huawei Technologies Co. Ltd.

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02	Huawei e84081311	25.10.2018	Initial version created

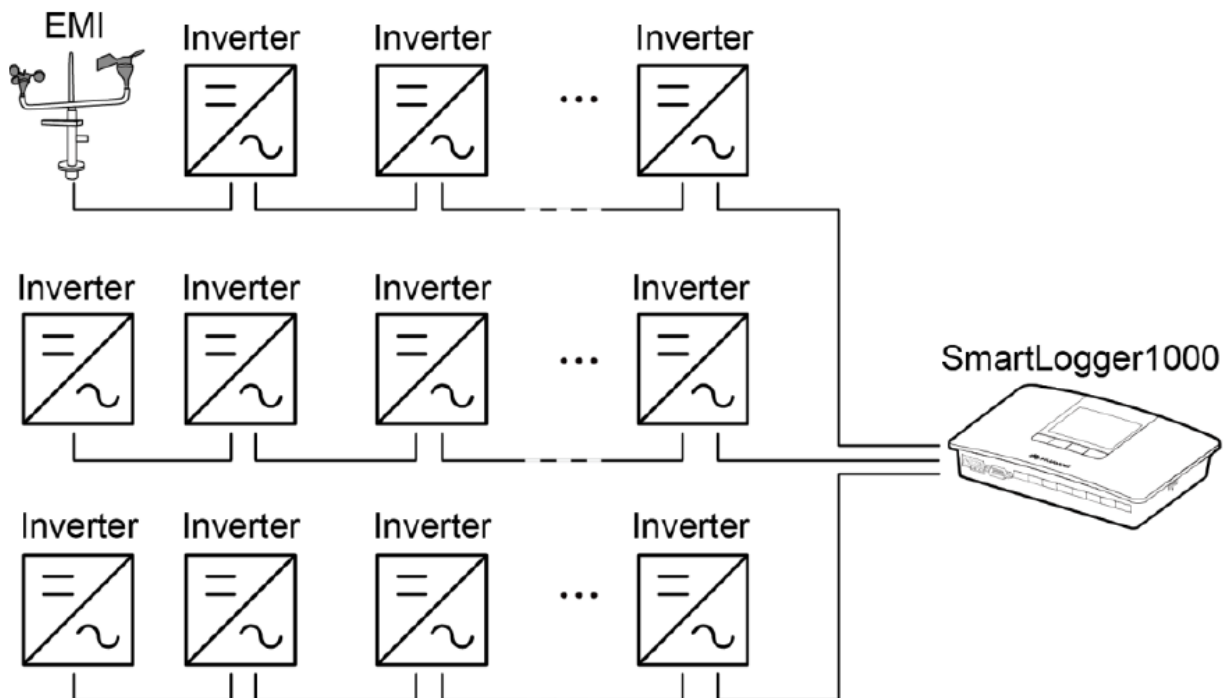
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This document describe how to commissioning the inverters with RS485 communication Modbus-RTU Protocol through LCD screen of the Smartlogger1000.

1. Check the connection between inverters and Smartlogger1000 and check if the match resistance is enable for the last inverter from the chain.
2. Connect the inverters on Smartlogger1000



Connecting Multiple Inverters to the SmartLogger:




A maximum of 80 devices can be connected to one SmartLogger1000. You are advised to connect fewer than 30 devices to each RS485 route.

3. Setting Initialization Parameters

When starting the SmartLogger1000 for the first time, set initialization parameters on the monitoring panel.

The following table describes the process for setting initialization parameters. Press enter, choose the language, date&time, set the Ethernet parameters in order that Smartlogger1000 to connect on the internet, Set the RS485 search address segment and press enter ↵

 <div>80%</div>	Start initialization wizard? ESC:Cancel ↵:Enter	Wizard Language English ✓ 中文 Deutsch Italiano 日本語 Français
Wizard Date&Time TZ:UTC Dublin DST:Disable Date:2016-02-27 Time:10:53:11	Wizard->Ethernet Auto obtain IP:Disable IP address:192.168. 0. 10 Subnet mask:255.255.255. 0 Gateway:192.168. 0. 1 DNS-1:192.168. 0. 1 DNS-2: 0. 0. 0. 0 Submit	Wizard Search Address Segments RS485-1:001-100 RS485-2:001-100 RS485-3:001-100

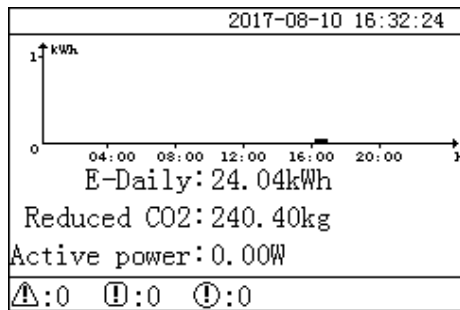
4. Add the inverters to Smartlogger1000

You can search, add, delete, and assign addresses to devices that are connected to the SmartLogger1000 on the monitoring panel.

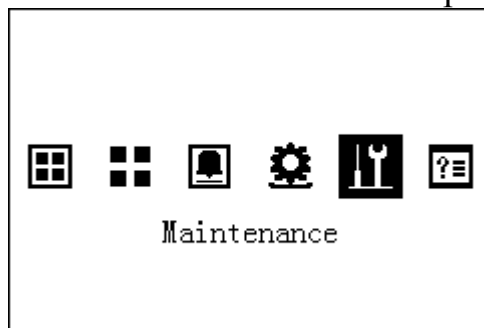
Before add the inverters on Smartlogger1000 you need to commissioning the inverters with SUN2000APP (ask for instruction from service team).

Follow the steps to add your inverters:

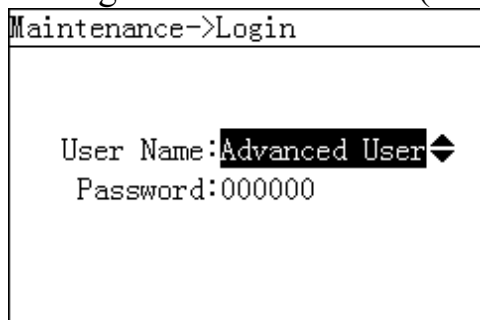
1. On the default screen, press to enter the main menu.



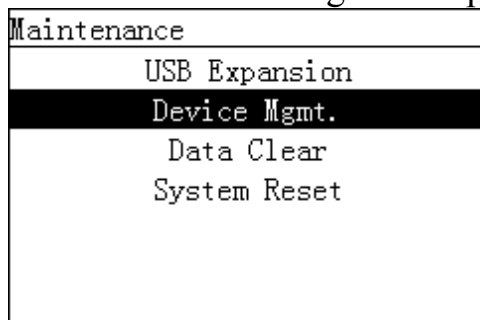
2. Choose Maintenance and press enter



3. Login as advanced user (default password 000001)

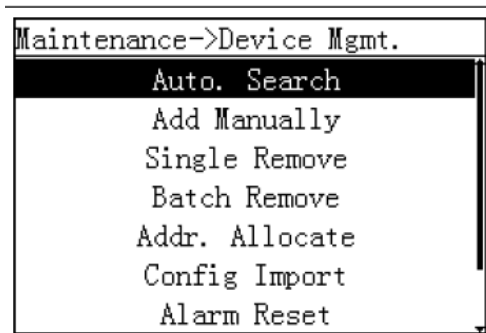


4. Choose Device Mgmt. and press enter



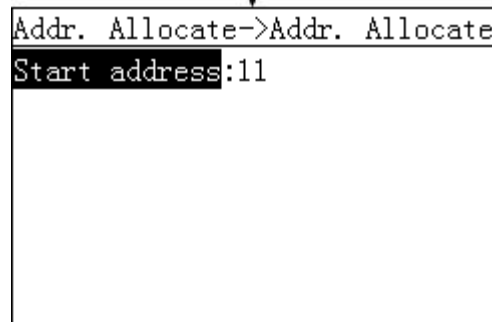
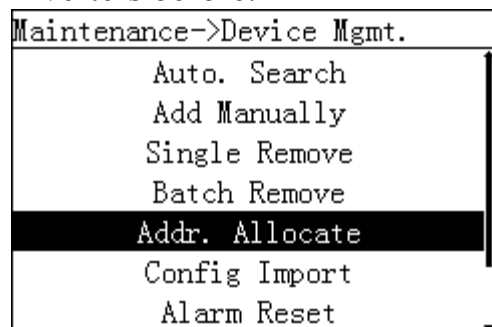
5. Choose auto search and press enter

You can choose this option if before you set the RS485 communication parameters with SUN2000APP on each inverters (communication address)

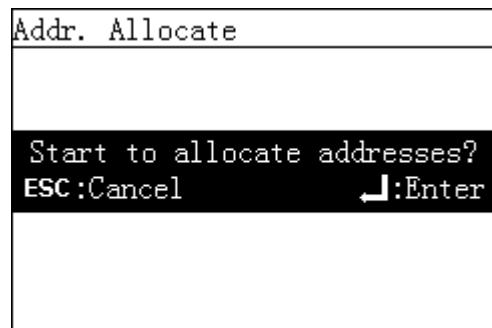


6. Choose Addr. Allocate

Select address allocate if you do not set the RS485 communication address of inverters before.



Press enter to confirm the address assignment:



After the setting of **Addr. Allocate** is completed, press enter to adjust addresses:

...->Addr. Adjustment
Adjust the address?
ESC:Cancel ↵:Enter



...->Addr. Adjustment
AM0107164901D2001224:2-002

After the setting of **Addr. Adjustment** is completed, press enter to search the devices:

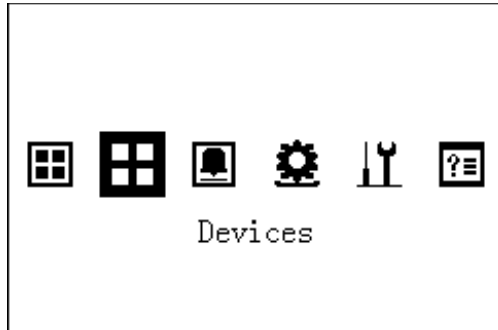
Device Mgmt.->Auto. Search
Devices already exist: 5
Search again?
ESC:Cancel ↵:Enter



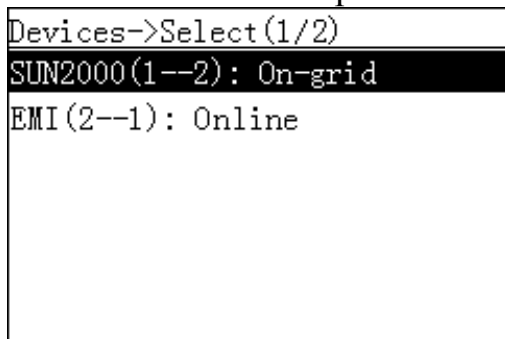
Device Mgmt.->Auto. Search
Search complete.
Device found 5 PCS.
↵:Enter

7. Check the inverters communication

From the main menu select device and press enter:



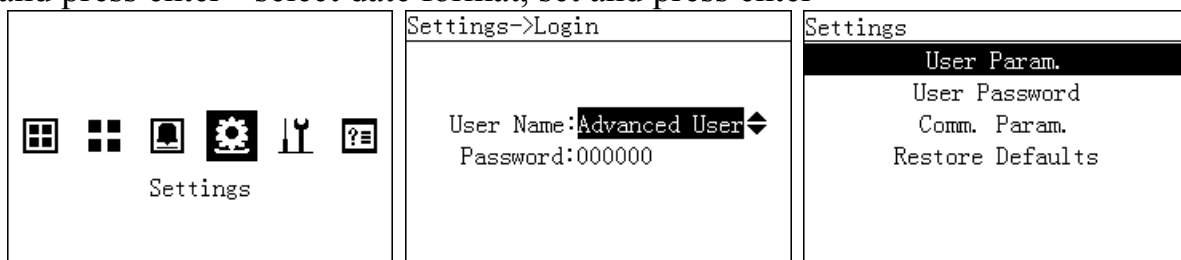
Select an inverter and press enter. **SUN2000 (1--2)** on the left indicates that the inverter connects to **Port 1** of the SmartLogger1000 and the communications address of the RS485 port is **2**.



The device status is displayed behind the device name.

8. Set the Smartlogger1000 language and date&time

If you do not performed the initialization parameters from the beginning then follow the steps to set the Smartlogger1000: chose settings and enter->login as advanced user->user parameters->select language, set and press enter->select data&time, set and press enter->select date format, set and press enter



User Param.	Settings->User Param.	User Param.
Language	Language	Language
Date&Time	English ✓	Date&Time
Date Format	中文	Date Format
Contrast	Deutsch	Contrast
Currency	Italiano	Currency
Electricity price/kWh	日本語	Electricity price/kWh
CO2 emission reduction	Français	CO2 emission reduction
User Param.	User Param.	User Param.
Language	Date&Time	Date Format
Date&Time	TZ:UTC+08:00 Beijing	YYYY-MM-DD ✓
Date Format	DST:Disable	MM-DD-YYYY
Contrast	Date:2017-08-10	DD-MM-YYYY
Currency	Time:16:48:02	
Electricity price/kWh		
CO2 emission reduction		