COTEK

SN-1 PLUS User's Manual

SNMP Module for COTEK SR Series
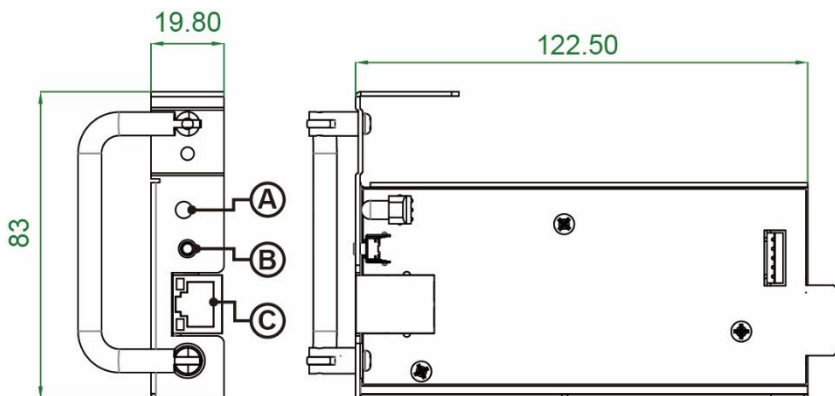
1. Introduction

1-1. Main features

- SNMP: The SN-1 PLUS version is V2C. It can be connected to a system with an NMS to set up and monitor SR-Host parameters.
- Web-Server: Use a web browser to set up and monitor SR-Host parameters.

Note! Only one SN-1 Plus is required per system.
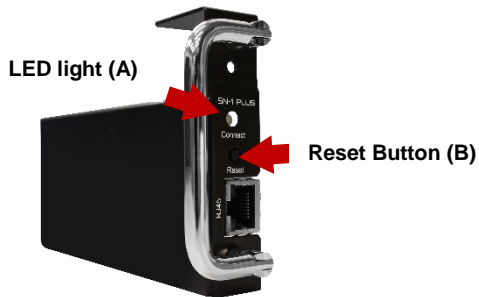
1-2. Hardware introduction

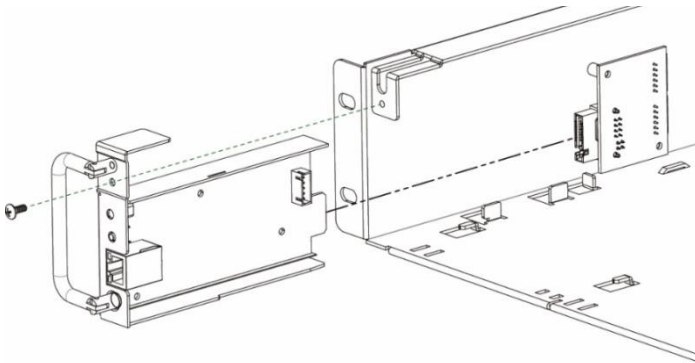|	Description	Function
A	LED light	To display below operation status: Green: Communicate with SR-Host successfully Red : Fail to communicate with SR-Host
B	Reset Button	Go back to SN-1 PLUS default settings
C	RJ45	Connect to PC locally

1-3. Installation and Operation

Step 1: First-Time Module Insertion: For the first installation, insert the SN-1 module into the dedicated slot, and the factory default settings will be kept.

* **Executing a Factory Default Reset:** To ensure the module is using default settings, press and hold the **Reset Button (B)** on the front panel. While holding the button, slot the **SN-1 PLUS** back into the rack slot. It is crucial to check the **LED light (A)** to confirm that there is power before releasing the Reset button, completing the reset procedure. The Reset Button (B) is designed to return the SN-1 PLUS to its default settings.

Step 2: Fix the screw to ensure SN-1 PLUS holds firmly with Rack

1-4. Installation and Operation

Step 1: Connection via PC Connect the RJ45 port (C) on the SN-1 PLUS to your PC using a network cable (CAT 6X cable is suggested)

Step 2: The default static IP of SN-1 PLUS is 192.168.1.250. You must change the IP domain value on your PC to **192.168.1.X**, ensuring that the value X is not the same as the SN-1 PLUS's default IP value of 2503. This action sets the PC and the SN-1 PLUS to the same IP domain

登入

http://192.168.1.250

你與這個網站之間的連線不是私人連線

使用者名稱 [   ]

密碼 [   ]

登入   取消

Step 3: Type IP address of SN-1 PLUS (192.168.1.250) in the web browser/ or Network Management Station (NMS) to connect to web-server/SNMP agent

Name: admin   Password: 000000(6 digits)

Note! 1. The default login password of 000000 is according to the RS-485 password setting. **2.** If the username and/or password entered are incorrect, the login dialog box will continue to pop up.

How to use Web-Server

2-1-1 Web-Server introduction

Main menu item description:

Status	Status: To display SR-Host status
Event Log	Event Log: To display inverter historical events
Event Log Time	Event Log Time: To set time
System Control	System Control: system output control
UI Config	UI Configuration: RS232/ Interface language/ Login password
Inverter Config	Inverter Configuration: Inverter parameter (settings ex. OVP/UVP…)
Network Config	Network Configuration: SNMP network settings (DHCP/IP…)
SNMP Config	SNMP Configuration: Community Name setup for SNMP V2C

2-1-2 Status Page

Inverter	
Type	SR1600 PLUS-124
Firmware Version	1450
Inverter Status	
Output Voltage	111.6 V
Output Current	1.1 A
Output Freq	60.0 Hz
Output Watt	66 W
Output Watt(%)	2 %
Output VA	122 VA
Output VA(%)	3 %
Working Slave Module Quantity	1
Total Slave Module Quantity	1
Battery Status	
Voltage	24.52 V
Charge Current	0.0 A
Grid Status	
Voltage	0.0 V
Current	0.0 A
Energy Graph	
GRID ≠ SR-HOST → LOAD	
BAT →↵	
Alarm Status	
[Grid Is Abnormal]	

	Description	Function
①	Type	Model name
②	Loading	Inverter loading Capacity
③	Charge Current	SRC Inverter series only
④	Energy Graph	It displays the energy stream direction

2-1-3 Event Log Page

Event Log

Update		
Date	Event Code	Description
-	-	-

- The first index information is the latest event.

Event Log Time

Date:	2019 ☑ Jan. ☑ 21 ☑
Time (hour,minute,second):	13 ☑ 26 ☑ 19 ☑
	SAVE

- To set Year/Date/Time

2-1-4 System Control Page

System Control

Power Switch:	Power Off ☑
Buzz Setting:	Normal ☑
Dry C Setting:	DRY C for Major ☑
	Save

- Power Switch: To control the power on/off of the Inverter.
- Buzz Setting: To set module buzzer normal/mute/one time
- Dry C Setting: To set RS-485 dry contact relay definition (major/minor)

2-1-5 UI Config Page

User Interface Configuration

RS-485 Baudrate:	4800 ☑
Password:	000000
	Save Config

- RS-485 Baudrate: To set RS-485 baudrate.
- Password: To set RS-485 6 digits password. (Default: 000000)

2-1-6 Inverter Config Page

Inverter Config

Batt OVP Setting:	33.58	V 30.00~34.00 V (0.02/step)
Batt OVP Recovery:	28.00	V 26.00~30.00 V (0.02/Step)
Batt UVP Setting:	18.00	V 18.00~25.00 V (0.02/Step)
Batt UVP Recovery:	25.00	V 23.00~27.00 V (0.02/Step)
Batt UV Alarm:	21.00	V 19.00~26.00 V (0.02/Step)
Grid OVP:	130.0	V 127.5V~132.5V(0.5V/step)
Grid OVPR:	125.0	V 120.0V~127.0V(0.5V/step)
Grid UVP:	90.0	V 75.0V~90V(0.5V/step)
Grid UVPR:	95.0	V 90.5V~100.0V(0.5V/step)
O/P Voltage:	111.5	V 97.0~127.0 V (0.5V/step)
O/P Frequency:	60Hz ∨	
Sync Frequency:	3.0	Hz (0~3.0 Hz)
Sharing:	Disable	
DC/AC mode:	AC mode ∨	
VCHG Setting:	27.00	V SRC-series only.
ICHG Setting:	0	A SRC-series only.

Save Config

2-1-7 Network Config Page

Network Config

This page allows the configuration of the board's network settings.

CAUTION: Incorrect settings may cause the board to lose network connectivity.

Enter the new settings for the board below:

MAC Address:	00:04:A3:85:4F:74
① Host Name:	SR-SERIES

☐ Enable DHCP

IP Address:	192.168.101.16
Gateway:	192.168.101.1
Subnet Mask:	255.255.255.0

Save & Reset

	Description	Function
①	Host Name	SN-1 PLUS Network Name

2-1-8. SNMP Config Page

Set SN-1 PLUS Community Name :

2-2. SNMP V2C Description

SNMP Agent Trap

Item	Description
trapReceiverIPAddress	Network Management Station trap IP
trapCommunity	NMS trap community name.
trapEnable	If=0, Disable SN-1 PLUS trap , If =1, Enable SN-1 PLUS trap
trapTimeInterval	Setting the interval at which traps occur. MAX = 65535 / per100ms, MIN = 1 / per100ms

3 Troubleshooting

LED Status	Signal Description	Suggested actions
LED Red	SN-1 PLUS fails to communicate with SR-Host.	1. Check LED of SR-1600 PLUS module 2. Unplug and plug in SN-1 PLUS module again. 3. Check the LED status on SN-1 PLUS.
LED Green	SN-1 PLUS communicates with SR-Host correctly, but the data transmission is still abnormal	1. Press Reset button and go back to default value. 2. Check if router or PC network setting is correct. 3. Check firewall setting and PORT 80,161,162 for SN-1 PLUS 4. Replace with another Ethernet cable.

Table 6. Troubleshooting guide

4 Warranty

We guarantee this product against defects in materials and workmanship for a period of 24 months from the date of purchase. In case you need to repair or replace any defective power inverters, please contact COTEK local distributor.

This warranty will be considered void if the unit has been misused, altered, or accidentally damaged. COTEK is not liable for anything that occurs as a result of the user's fault.