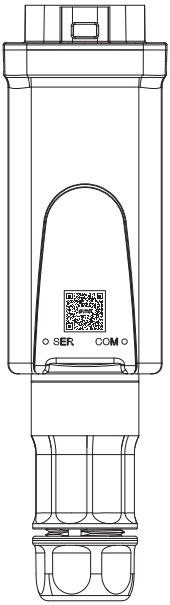
CHNT POWER



QUICK INSTALLATION GUIDE

Ethernet / Wi-Fi Communication Module

SCS100F10-EU

Doc. No.: 9.0020.1291A0

V1.0 · 2026.07

1. Important Safety Instructions

DANGER!

Operators must wear PPE (e.g., a helmet, safety shoes, safety goggles or insulating gloves), and use a safety belt when working at height, in accordance with applicable local laws and regulations, to prevent accidental injuries or fall incidents.

Before installation and electrical connection, ensure the device is free from any damage.

Do not power on the device during installation or cable connection, as this may cause fire, personal injury, or device damage.

WARNING!

All installation and wiring connections must be performed only by qualified and authorized technical personnel.

All cables must be connected in accordance with applicable electrical installation requirements and any local codes.

Failure to follow these instructions and the safety precautions in the quick installation guide and user manual may result in voiding the warranty, product damage, or property loss.

NOTE

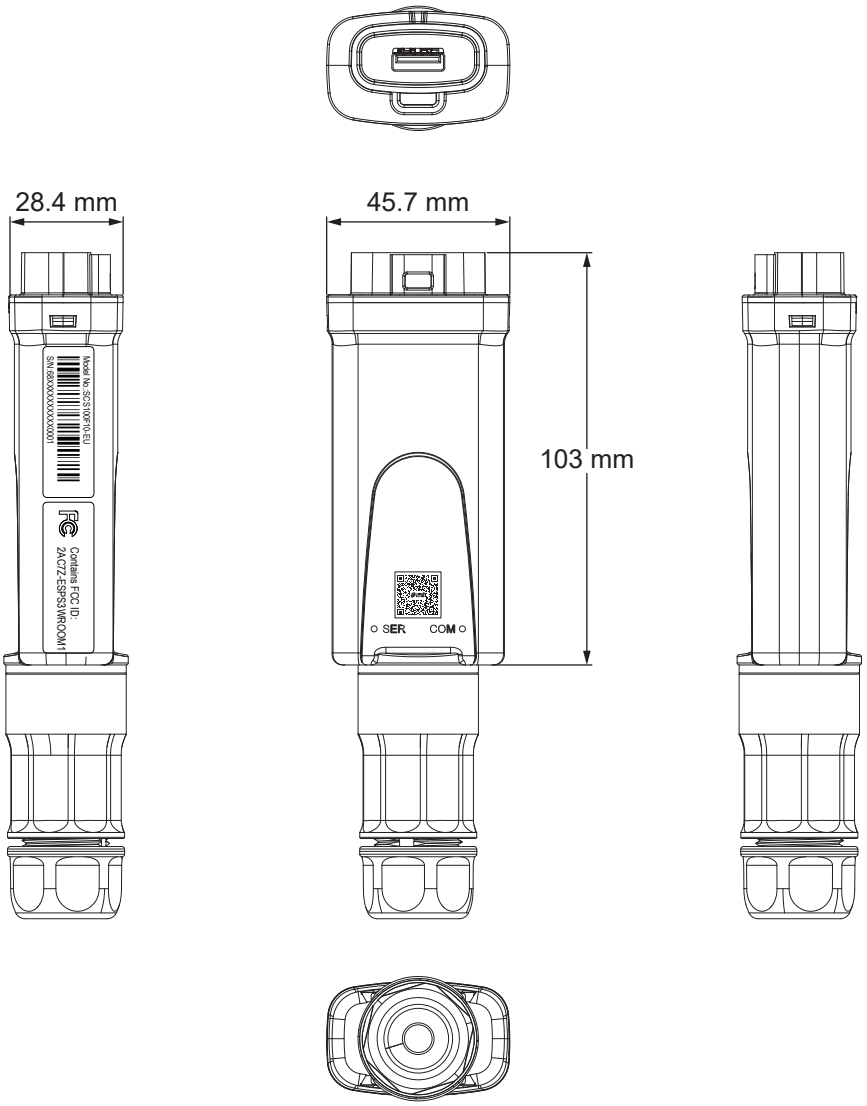
Every effort has been made to ensure the accuracy of the contents; however, all statements, information, and recommendations herein do not constitute a warranty of any kind, express or implied.

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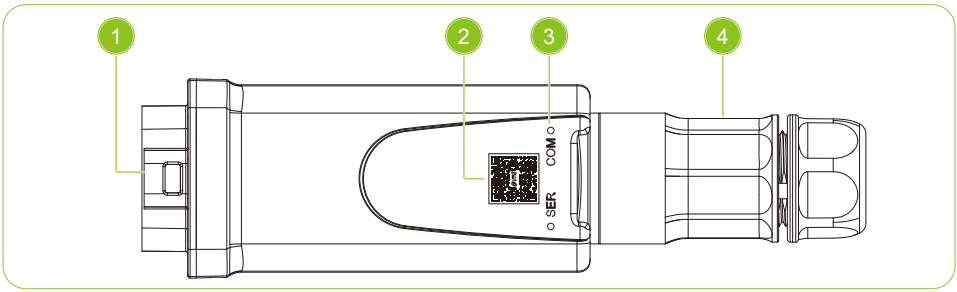
This manual is subject to change without prior notice. The latest version is available at https://www.chintpower.com.

2. Product Introduction

2.1 Dimensions



2.2 Main Components



No.	Function	Description
1	USB Interface	Connect to the COM port on the inverter
2	QR Code	Scan to download the MatriCloud app
3	Indicator Light	Indicate the working status of the communication module
4	Ethernet Cable Gland	Provide a waterproof seal for the network cable

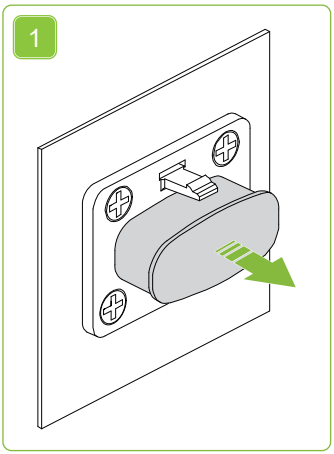
3. Installation

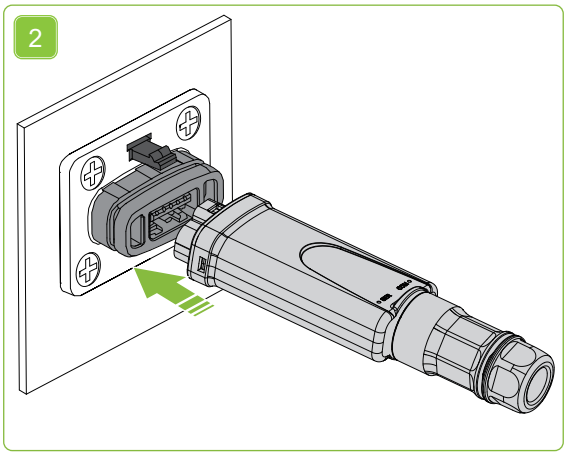
The communication module supports Wi-Fi and Ethernet connections. Choose the installation method according to your network requirements.

- Wi-Fi connection: Insert the module directly into the inverter's COM port. No Ethernet cable is required.
- Ethernet connection: Connect an Ethernet cable to the module before inserting it into the inverter's COM port.

3.1 Wi-Fi Connection

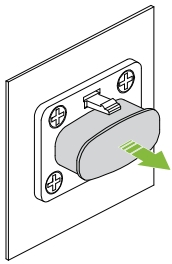
1. Remove the dust cover from the COM port on the inverter.
2. Insert the module into the inverter COM port until it clicks into place.



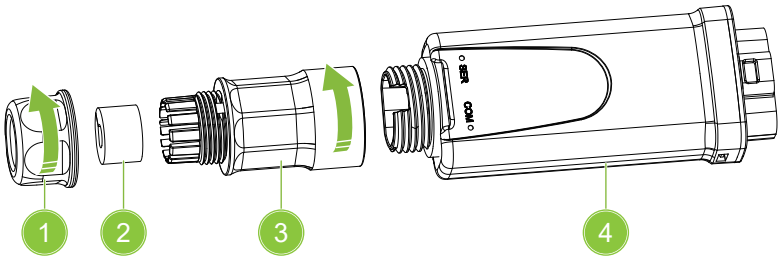


3.2 Ethernet Connection

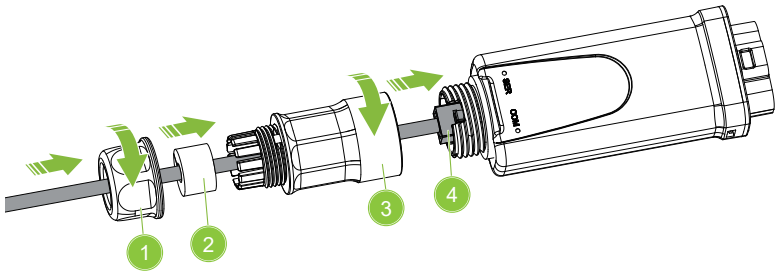
1. Remove the dust cover from the COM port on the inverter.



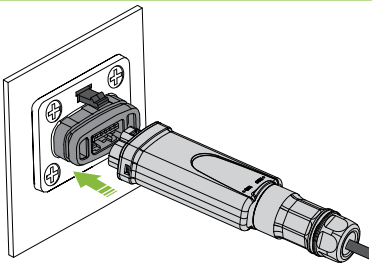
2. Unscrew the lock nut (1), sealing ring (2), and main body (3) from the communication module housing (4) to separate the components.



3. Route the cable through the lock nut (1), sealing ring (2), and main body (3), plug the RJ45 connector into the Ethernet port (4) until it clicks; and then tighten the main body (3.0–4.0 N·m) and lock nut (2.6–2.9 N·m) in sequence.

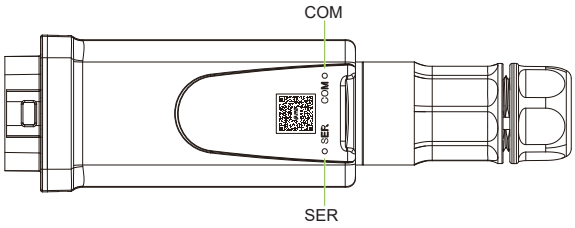


4. Insert the module into the inverter COM port until it clicks into place.



Tip: To remove the module, press the release clip and pull the module out.

4. LED Indicators



LED	Name	LED Status		Status Description
SER	Network Indicator	Green	Flashing once every 500 ms	Wi-Fi connection successful
			On	Ethernet connection successful
		Red	Flashing once every 500 ms	Wi-Fi connection failed
			On	Ethernet connection failed
COM	Communication Indicator	Green	On	Normal communication with the inverter
		Red	On	Abnormal communication with the inverter

5. Troubleshooting

WARNING

Only qualified electricians or authorized personnel should perform operations that involve opening the inverter cover.

No.	Status	Solution
1	SER indicator light off	Open the inverter cover and use a multimeter to check if the baseboard power supply voltage is 5.0 V DC. If the voltage is normal but the SER indicator remains off, the module is faulty. Please call the after-sales service hotline.
2	COM indicator light off	Check whether the module is securely connected to the inverter. If necessary, open the inverter cover to check if the internal USB connector is loose.

6. Communication Module Configuration

After the communication module is installed and powered on, follow the steps below to configure the network settings via the MatriCloud App.

6.1 App Download

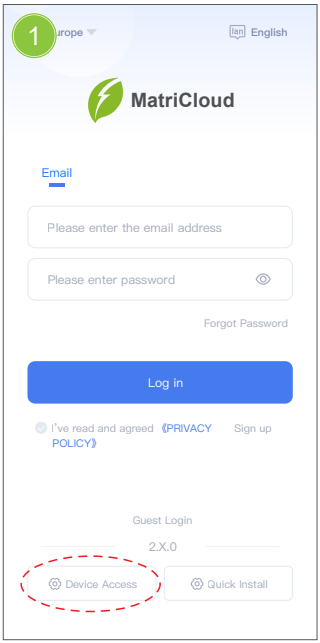
Scan the QR code to install the MatriCloud App (Android 7.0+ / iOS 13.0+), then connect via Bluetooth.

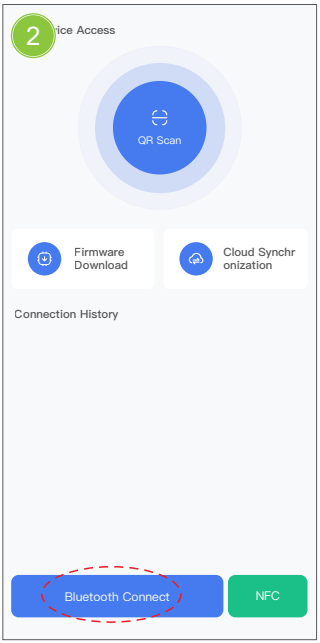
6.2 Communication Module Configuration

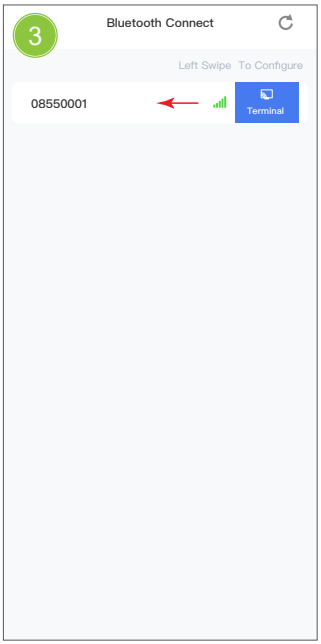
Before starting, ensure the module is powered on and operating normally, and Bluetooth is enabled on your mobile device.

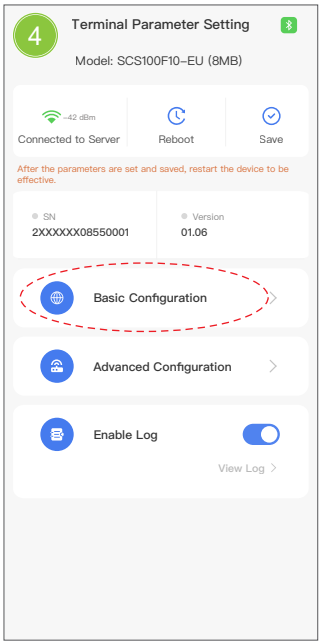
1. Launch the MatriCloud App and tap **Device Access**. (no account or password required).
2. Tap **Bluetooth Connect**.
3. Locate the target communication module in the device list by matching the last 8 digits of its Serial Number (SN). Swipe left on the device row to open the configuration menu.
4. On the **Terminal Parameter Setting** screen, tap **Basic Configuration**.
5. Tap **Modify** in the **Protocol** row to set the communication protocol.
6. Tap **Smart perception** to identify the protocol automatically, or tap **Add** to configure it manually. Tap **Save** when done.
7. Configure the network setting:
   - For Wi-Fi: Tap the **wifi ssid** and **wifi pwd** to enter your local Wi-Fi newtork name and password, respectively. Then, set **net** to **WIFI**.
   - For Ethernet: Set **net** to **ETH.**
8. Return to the **Terminal Parameter Setting** screen and tap **Advanced Configuration**. (Enter password 1111 if required)

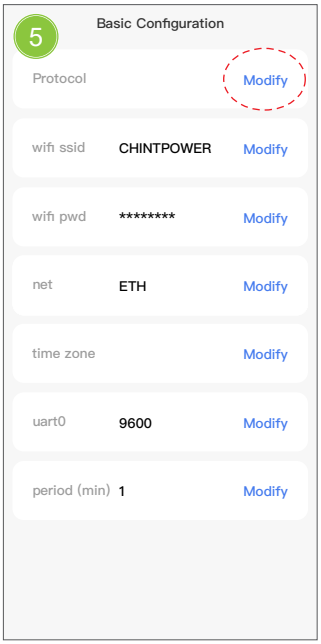
9. Tap **Modify** in the **mqtt host** row and select the appropriate regional server cluster (e.g., Europe, North America, or Asia-Pacific).
10. Return to the **Terminal Parameter Setting** screen:
    (a) Tap **Save** in the top-right corner to apply the settings.
    (b) Tap **Reboot** to restart the module for the settings to take effect.

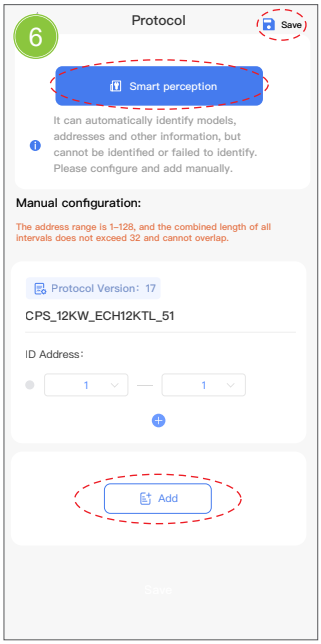


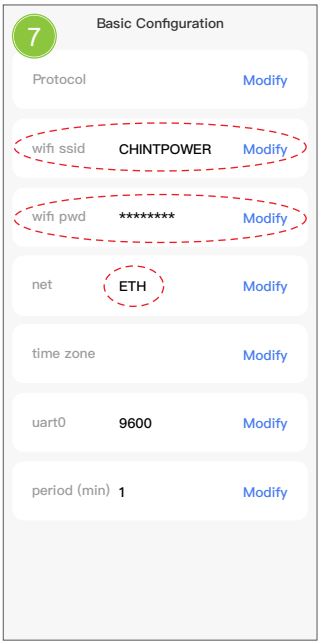


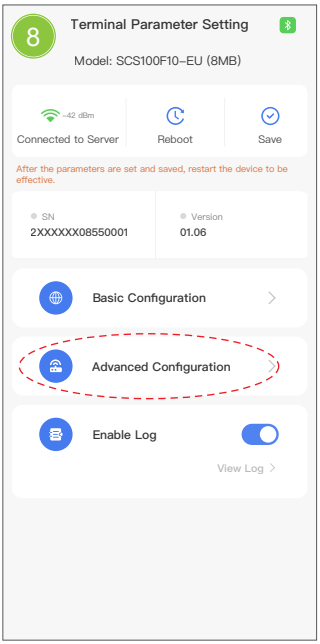

3
Bluetooth Connect
Left Swipe To Configure
08550001
Terminal

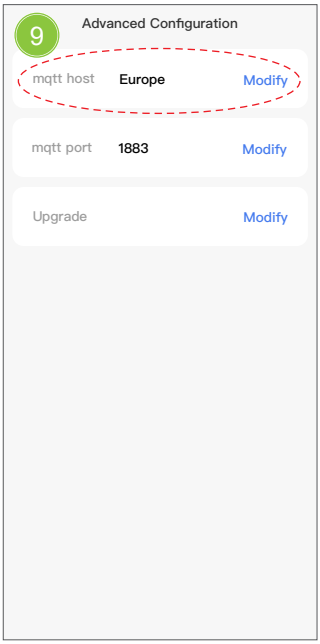

4
Terminal Parameter Setting
Model: SCS100F10-EU (8MB)
-42 dBm
Connected to Server
Reboot
Save
After the parameters are set and saved, restart the device to be effective.
SN
2XXXXXX08550001
Version
01.06
Basic Configuration
Advanced Configuration
Enable Log
View Log

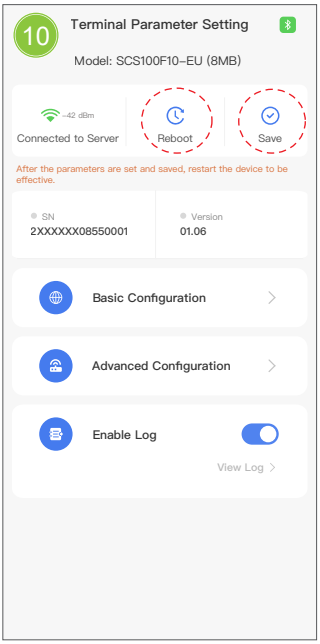

5
Basic Configuration
Protocol
Modify
wifi ssid
CHINTPOWER
Modify
wifi pwd
****
Modify
net
ETH
Modify
time zone
Modify
uart0
9600
Modify
period (min)
1
Modify


6
Protocol
Save
Smart perception
It can automatically identify models, addresses and other information, but cannot be identified or failed to identify. Please configure and add manually.
Manual configuration:
The address range is 1-128, and the combined length of all intervals does not exceed 32 and cannot overlap.
Protocol Version: 17
CPS_12KW_ECH12KTL_51
ID Address:
1
1
Add


7
Basic Configuration
Protocol
Modify
wifi ssid
CHINTPOWER
Modify
wifi pwd
****
Modify
net
ETH
Modify
time zone
Modify
uart0
9600
Modify
period (min)
1
Modify


8
Terminal Parameter Setting
Model: SCS100F10-EU (8MB)
-42 dBm
Connected to Server
Reboot
Save
After the parameters are set and saved, restart the device to be effective.
SN
2XXXXXX08550001
Version
01.06
Basic Configuration
Advanced Configuration
Enable Log
View Log


9
Advanced Configuration
mqtt host
Europe
Modify
mqtt port
1883
Modify
Upgrade
Modify


10
Terminal Parameter Setting
Model: SCS100F10-EU (8MB)
-42 dBm
Connected to Server
Reboot
Save
After the parameters are set and saved, restart the device to be effective.
SN
2XXXXXX08550001
Version
01.06
Basic Configuration
Advanced Configuration
Enable Log
View Log

Contact Us

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SCAN QR CODE

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