WiFi/Ethernet Dongle Quick Installation Guide
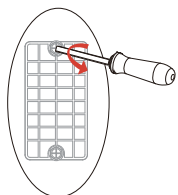
1 Indicator(s)
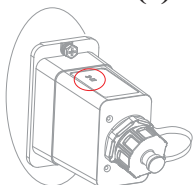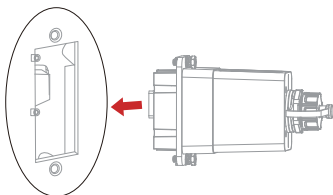

(‹›) Network
☑ LAN

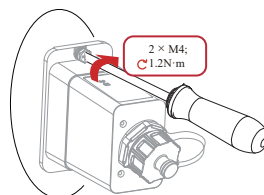| Indicator	Status	Explanation
Network	Solid Green	Normal status
	Solid Red	Fail to connect to inverter
	Solid Yellow	Fail to connect to router
	Solid Blue	Fail to connect to server
LAN (only LAN module)	Solid White	Physically connecting to LAN

2 WiFi/Ethernet Dongle Installation
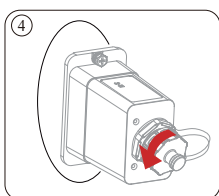

2 × M4;
⟲ 1.2N·m
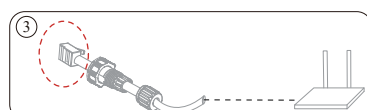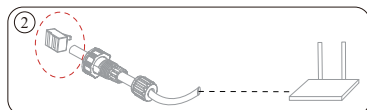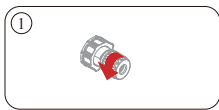
1 Unscrew the cover.	2 Insert WiFi/Ethernet dongle into the port firmly.	3 Secure the WiFi/Ethernet dongle.
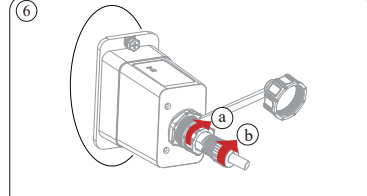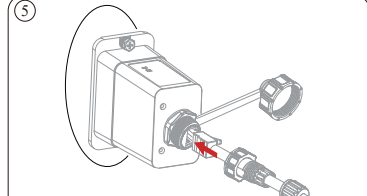
4 Take the waterproof connector out of the package and prepare the network cable with network. Insert the network cable.

3 APP Local Settings

Download App
- Scan the QR code to download the App MidNite Pro.

- Download the APP from the App Store or Google Play. Download App.

1

Note:
Before using the local setting, the APP should access some permissions. (You can allow them when you install the APP or grant permissions in your own phone setting.) When the APP asks for permission, please click Allow.

Ⓐ AC Input Grid
ON
OFF
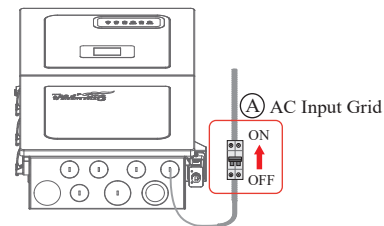
Ⓑ The **first** time:
Go to APP (Quick Setup)

The **non-first**-time:
5s "Beep"

2 Power on the inverter.

Open the APP	Connect to inverter	Select bluetooth name	Wait

MidNite ONE

Connect to Inverter
You must connect to the device in order to make any changes

❋ Click here to scan for inverters with Bluetooth ①

← Select
xxxxxxxxx ③
⟳ Rescan ②

← Select
Scanning inverters...
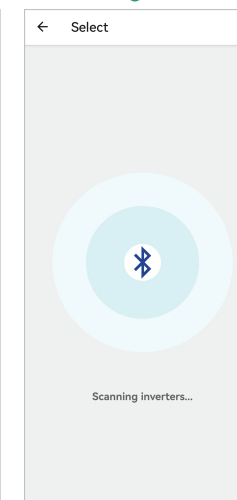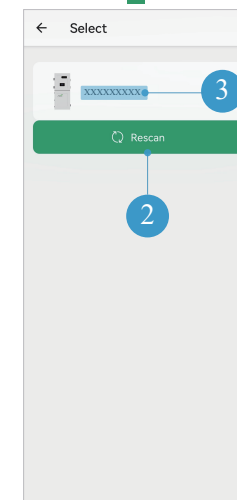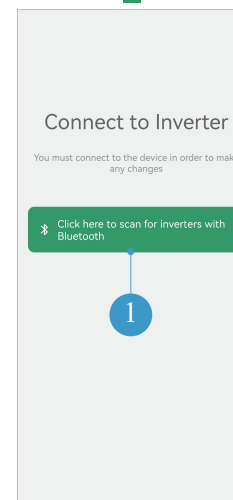
3 Firstly, open the bluetooth and the APP on your phone. Then connect the inverter.

Select the installer	Enter the password

← Role

Select a role
Please select your Role,Installer or End User

Installer → ①
After entering the system administrator password you have the ability to make changes.

End User

← Password

Enter the password
Please enter device password ②

Enter → ③

Please find the initial password in the User Password section of the manual. After logging in for the first time, for security reasons, you need to change your password immediately.

4 Select the installer role to log in.

Left Column

Panel 5 — Connect to the router

Home — **Click Communication** — **Connect to Wifi**

Settings

- **Stored energy** — Set the energy storage mode, and the related battery, charge and discharge, backup parameters
- **Communication** — Setting the Wifi hotspot and RS485 parameters affects whether the device can report data and the communication mode between the App and the device.
- **Grid** — Set the power grid standard code, power-on and reconnection, and voltage and frequency protection parameters of the device
- **General** — Set the response measures for the equipment in extreme situations, and protect the normal operation of the equipment and extend the service life.
- **Power control** — Set device power, meter and energy flow
- **Reactive power control** — Set the reactive power time and mode of the device, and the parameters for each mode.

Home screen:
- Solar 1.27 kW
- Grid export 5.46 kW
- Generator Disabled
- Inverter OnGrid Feedin
- Battery discharge 10.11 kW 34 %
- Home NormalLoad 0 W BackupLoad 4.50 kW
- Energy 12.94 kWh generated today
- Settings — You can adjust the settings like Battery voltage etc here.
- Equipment maintenance — You can turn the inverter on and off as well as setting inverter time etc.
- Switch Inverters — Click here to change the inverter you are connected to with Blue Tooth

Communication settings
- Current Wifi hotspot
- Please enter the SSID ③
- Please enter the password ④
- Cancel / Save ⑤
- Once connected to a Wifi hotspot with Internet access, the device status data can be backed up to the vendor's server and notified if the machine fails
- Modbus address: Modbus address 1
- The Modbus address connected to the device may fail to communicate with the device if it is incorrectly set.

5 Connect to the router.

Panel 4 — Cloud Settings

4 Cloud Settings

When using the WiFi or LAN module, a cloud account is needed to monitor inverter's network. Bind the inverter to the cloud account, and then the inverter's operational data will be uploaded to the cloud account after it is grid-tied. You can skip the registration steps if you have a cloud account before.

Click Sign Up — **Enter the information**

Login — Welcome Back
- Account Name
- Password
- Remember me / Forget Password ?
- Sign In →
- Don't have an account? Sign Up ①

Sign Up — Get Started
- Account Name ②
- E-mail ③
- verify code in your email / send code ④
- Password ⑤
- Enter your password again ⑥
- Your Timezone ⑦
- Sign Up ⑧

1 Register a cloud account.

Right Column

Sign in — **Click Create a new plant** — **Set the parameters**

Login — Welcome Back
- Account Name
- Password
- Remember me / Forget Password ?
- Sign In → ①
- Don't have an account? Sign Up

Group
- Hello, XXX !
- Power 0 W / 2024 / 03 / 03 / 32 23°C
- Production[Today] 0 kWh / Production[Total] 0 MWh
- $ 0.00 / $ 0.00
- Status / E-Today / E-Total
- Normal / Fault / Standby / Offline
- Range: All Plant,Today / Adjust
- Energy — Show more detail data for the plant
- Create a new plant — Add a new plant to manage other inverters. ②

Create Plant
- Type, Storage
- Please enter the plant name ③
- Please enter the address ④
- Please enter the capacity kWh ⑤
- Please enter the pric USD / kWh ⑥
- + Create ⑦

Click the plant — **Click Add more inverters** — **Add the inverter into plant**

Group
- Hello, XXX !
- Power 0 W / 2024 / 03 / 03 / 32 23°C
- Production[Today] 0 kWh / Production[Total] 0 MWh
- $ 0.00 / $ 0.00
- Status / E-Today / E-Total
- 0 15 30 45
- XXX
- Normal / Fault / Standby / Offline ⑧
- Range: All Plant,Today / Adjust
- Energy — Show more detail data for the plant
- Create a new plant — Add a new plant to manage other inverters.

Inverter
- XXX / Another Plant ⇄
- xxxxxx
- Production[Today] 0 kWh / Consumption[Today] 0 kWh
- Production[Total] 0 MWh / Consumption[Total] 0 MWh
- Inverter [0]
- Normal[0] / Fault[0] / Standby[0] / Offline[0]
- Energy — Show more detail data for the plant
- Logs — Show all inverter running log for the plant
- Add more inverters — Add more inverters that have not been added into the plant. ⑨

Add Inverter
- Input the SN of your inverter ⑩
- + Add into plant ⑪

2 Add inverter to cloud account.