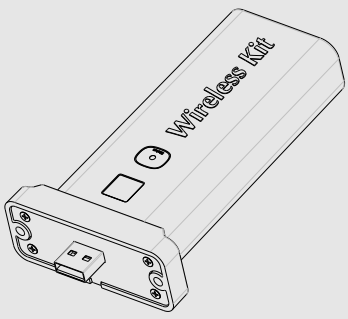


CUBE WiFi-F PRO Configuration Guide



For the latest information, please visit <https://server.growatt.com>

Step 1. Turn on the inverter and check the connection status

After installing the CUBEWIFI-F PRO module, turn on the inverter. If the indicator is flashing red, it indicates that the communication between the inverter and CUBE WIFI-F PRO is normal.

Indication of LED status

LED status	Working condition
Off	Fails to connect to the inverter
Flashing red	Successfully connected to the inverter
Flashing green	Successfully connected to the inverter and the router
Flashing blue	Successfully connected to the inverter, the router and the server

Step 2. Download the PVbutler APP

Scan the QR code below to download the PVbutler APP, or you can search for PVbutler in the Apple Store or Google Play to download and install the APP

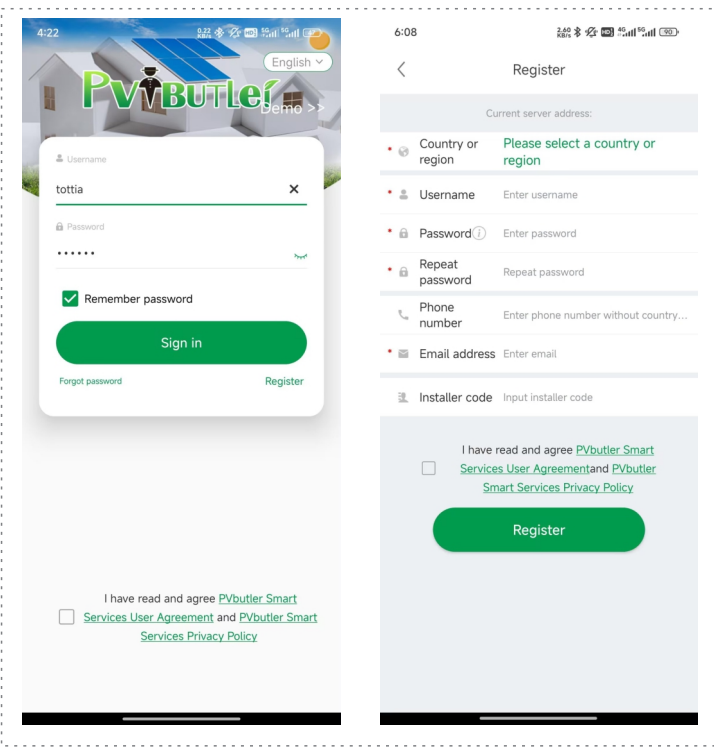
1. Make sure you download the latest version.
2. For further information, please visit <https://server.pvbutler.com/>



【 Android &iOS 】

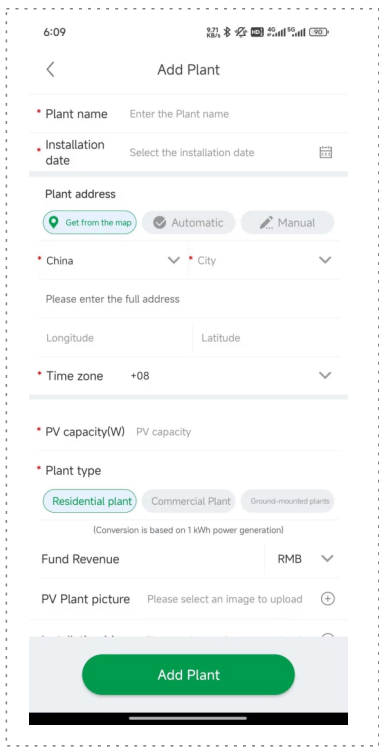
Step 3. Register an account

1. Connect the phone to a router via a wireless network;
2. Run the PVbutler APP and go to the registration page;
3. Fill in the registration information and click Register.



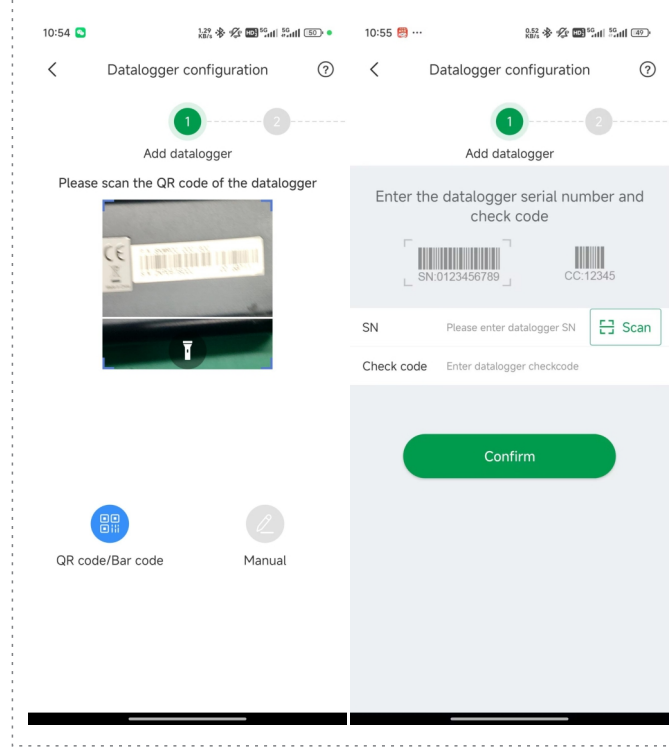
Step 4. Add a plant

1. Go to the "Add plant" page;
2. Fill in the plant information;
3. Click Yes to add the plant.



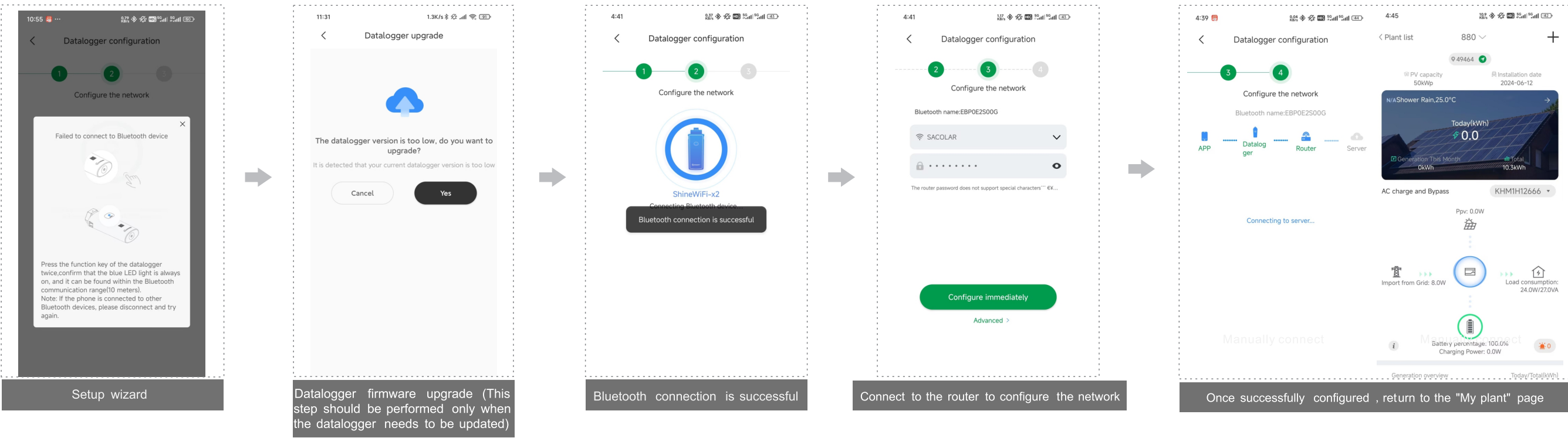
Step 5. Add a datalogger

1. Go to the "Add datalogger" page;
2. Scan the serial number or manually enter the serial number and the verification code;
3. Click Yes to add the datalogger.



Step 6. Network mode configuration

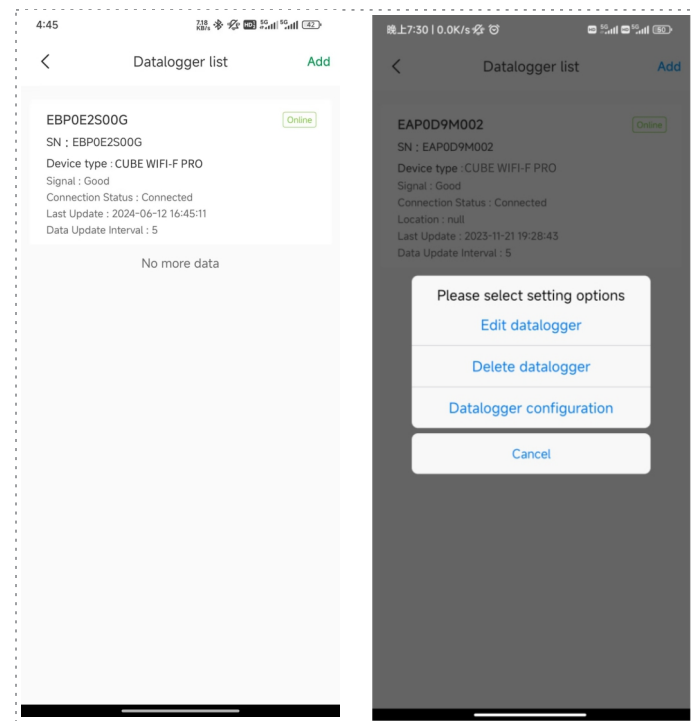
1. Configure CUBE WIFI-F PRO in Bluetooth mode



Step 01: Detect the version of the data logger; Step 02: Perform automatic upgrade of the data logger; Step 03: The data logger will restart after the upgrade process; Step 04: Reconnect to the data logger bluetooth. This step should be performed only when the data logger needs to be updated.

Step 7. Check the status of datalogger

1. Log in to the APP using your account, go to the "My plant" page, click the "+" icon to check the datalogger list.
2. From the list, you can edit, configure or delete the datalogger.



Appendix I Troubleshooting

1.Troubleshooting based on the indicator status

LED status	Indication	Troubleshooting
off	Fails to connect to the inverter	Check if the data logger is properly connected to the USB port
Flashing green after the configuration has been completed for over 3 minutes	CUBE WIFI-F PRO has been connected to the router, but not connected to the serverr	Check if the home router is connected to the Internet
Flashing blue after configuration	CUBEWIFI-F PRO successfully connects to the inverter, the router, and the server.	Operating properly
Steady red	CUBE WIFI-F PRO module is faulty	Replace the CUBE WIFI-F PRO module
Steady green	CUBE WIFI-F PRO fails to connect to the home router	Check the router • The router name should be a combination of English letters and numbers; special symbols are not allowed. • For security reasons, please use the encrypted wireless network. • It does not support public network that use secondary authentication.
		Check if you had entered the correct name and password of the home router when configuring it
Steady blue	CUBE WIFI-F PRO module is in Bluetooth Mode	The datalogger is in Blueto oth mode

2.CUBE WIFI-F PRO Button Description

Button operation	Description
When the CUBE WIFI-F PRO is working normally, press the button on the CUBE WIFI-F PRO (the indicator will be steady blue)	Enter the Bluetooth Mode , which is a debug mode , intended only for use by professionals
When the CUBE WIFI-F PRO is in Bluetooth Mode , click the button on the CUBE WIFI-F PRO (the indicator will exit the steady blue status)	Exit the Bluetooth Mode
Press and hold the button for 6s until the white light is on , then release the button	Reset the datalogger; restore to factory settings

Appendix II Frequently asked questions

- Q

How to reconfigure the datalogger?
- A

Press and hold the button for 6s until the white light is on , then release the button . To configure the datalogger, follow these steps: run the PVbutler app and go to the "My Plant" page; tap the "+" icon in the upper right corner to access the "Datalogger list" ; choose the SN of the datalogger for configuration .
- Q

How to reconfigure the data logger if the router's name or password has been changed?
- A

For the CUBE WIFI-F PRO module that has been configured , when the router's name or password is changed , the CUBE WIFI-F PRO needs to be restored to factory settings before reconfiguration. In this case, press and hold the button on the datalog ger for more than 6 seconds until the white light is on. Then release the button immediately. Then you can reconfigure the datalogger. After configuration , the indicator will flash blue slowly.
- Q

What characters are allowed in the route r's name and password?
- A

The router's name and password should consist of a combination of numbers (0-9) , letters (A-Z/a-z) , and English punctuation marks
 - Valid punctuation marks: (, . ? ! : @ ; + = # / () _ - ' ^ * & . \$ % < > [] { }) ;
 - Invalid punctuation marks: ([\] ^ _ ` ~ ! @ # \$ % ^ & * () _ - + = , . / ' " ' " " ") ;
 - It is not allowed to use spaces in the router's name or password.
- Q

What to do if it indicates that the datalogger already exists?
- A

A Run the APP and go to the "My Plant" page . Tap the "+" icon on the upper right corner to view the datalogger list . Click the datalogger with the corresponding SN and configure it again .

- Q

What router bands are supported by the datalogger?
- A

CUBE WIFI-F PRO only supports the 2.4GHz frequency band and does not support 5GHz. Please check if the router is broad ca.sting a 2.4 GHz frequency signal .
- Q

The indicator of CUBE WIFI-F PRO shows it has been disconnected.
- A

Check the indicator status and take appropriate actions accordingly:
 - The indicator is off. Check if the inverter is turned on and try to plug in the datalogger again;
 - The indicator flashes green , indicating that the datalogger has been connected to the router but not connected to the server. Please check the router setting or reconfigure the datalogger;
 - The indicator is steady green , indicating that the datalogger is not connected to the router or the signal is weak. Check whether the router is on or the datalogger is far from the router;
 - The indicator flashes red. Please configure the datalogger following the instructions specified in the manual;
 - The indicator is steady blue , indicating that the datalogger in Bluetooth Mode . You can short press the button to switch to Standard Mode .