



ShineWeLink Configuration Guide

For more info, please download from <http://server.growatt.com>
E service@ginverter.com W www.growatt.com
For local customer support, please visit <https://www.ginverter.com/support/contact>

Step1. Turn on inverter and check the connection status

After installing the ShineWeLink module, turn on the inverter, then the red LED flashing indicates the inverter and ShineWiFi-X2 communication is normal for the first time installation.

Indication of LED status

LED status	Indication
Red light	ShineWeLink is not connected to router
Green light	ShineWeLink is connected to the router but not to the server
Blue light	ShineWeLink is connected to the server
Any color light is always on	No device connected to ShineWeLink
Any color light flashes periodically (flashing within 0.5s, then off for 2s, this is a cycle)	There are already devices connected to the ShineWeLink host, and the number of flashes in a cycle indicates the number of devices connected to ShineWeLink

Step2. Download the ShinePhone APP

Scan the QR code below to download ShinePhone, also you can search ShinePhone in Apple Store or Google Play to download the APP

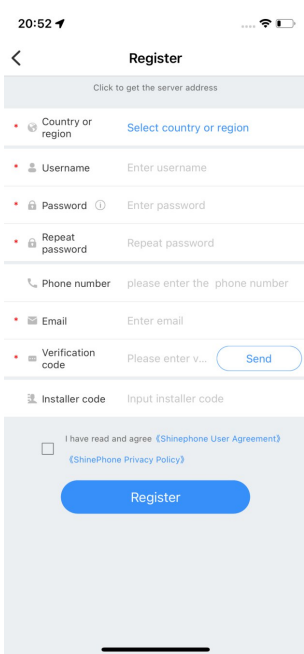
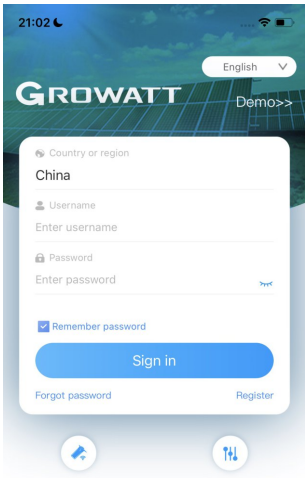
1. Make sure you download the latest version.
2. For further information please visit <http://server.growatt.com>.



【Android&iOS】

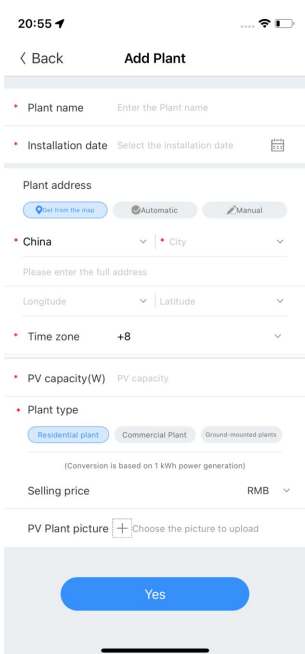
Step3. Registration

1. First connect the phone to a router with a wireless net-work;
2. Run the Shinephone APP and enter the registration page;
3. Fill in the registration information and click to register;



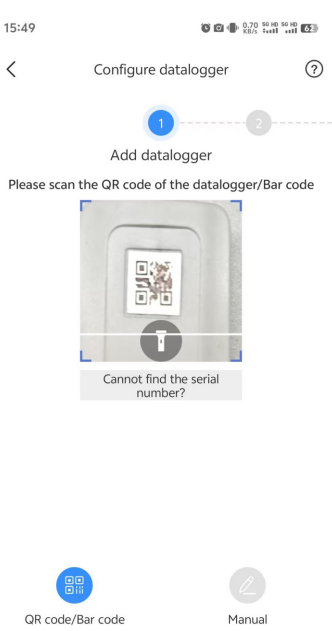
Step4. Add plant

1. Enter the Add plant page
2. Fill the plant information
3. Click to add the plant



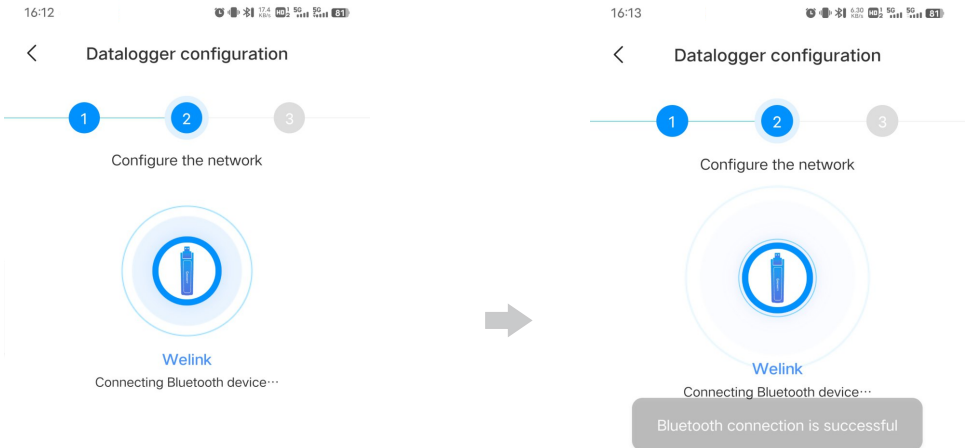
Step5. Add datalogger

1. Enter the add datalogger page
2. Scan the serial number or manually enter serial number and verification code
3. Complete the adding



Step6. Network mode configuration

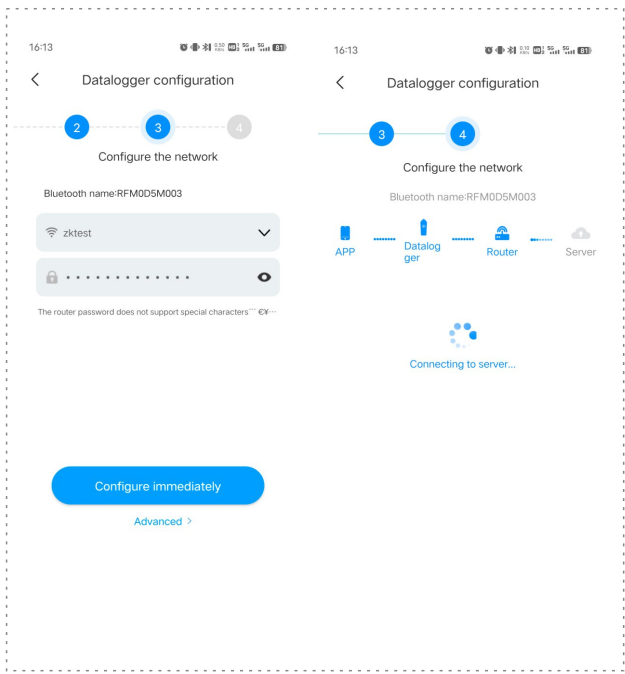
1. Use the Bluetooth Mode to take the configuration



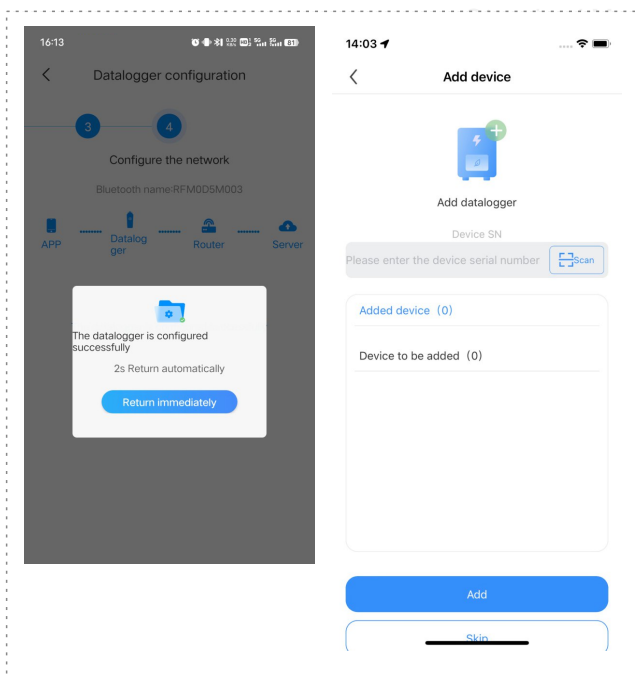
Connect with the bluetooth which named with the SN of datalogger and take the configuration of network

Bluetooth connection successful

- Step 01: After ShineWeLink is powered on, it will turn on Bluetooth and keep it on for 30 minutes.
Make sure the Bluetooth of the ShineWeLink and the Bluetooth of the mobile phone are turned on.
Step 02: Connect the mobile phone to the bluetooth which has the same name with the SN of datalogger
Enter the settings page and take the local network configuration.



Connect to the router to take the network configuration



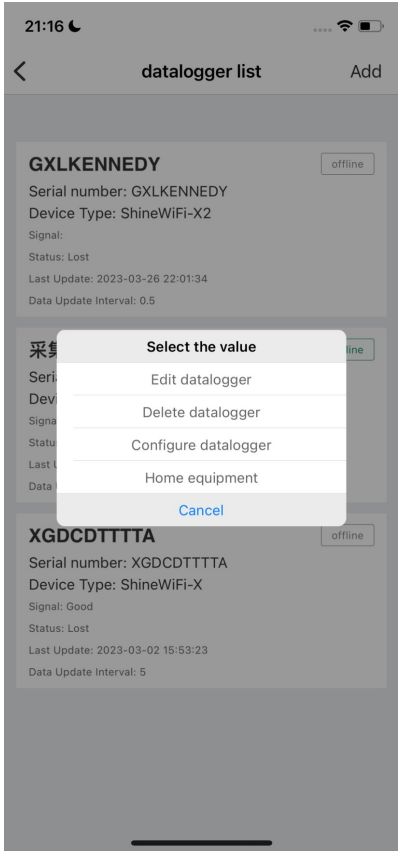
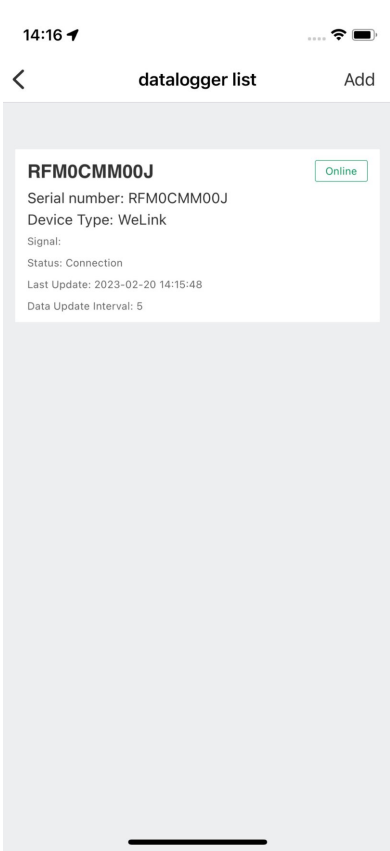
Configure successfully

- Step 01 : Datalogger version detection
Step 02 : Automatic upgrade
Step 03 : Automatic restart after datalogger upgrade
Step 04 : Reconnect to the datalogger hotspot

This step is only involved when the datalogger need to be updated

Step7. Check the status of datalogger

1. Log in your account, enter the my plant page, click the "+" to check the datalogger list
2. Edit, configure or delete the datalogger

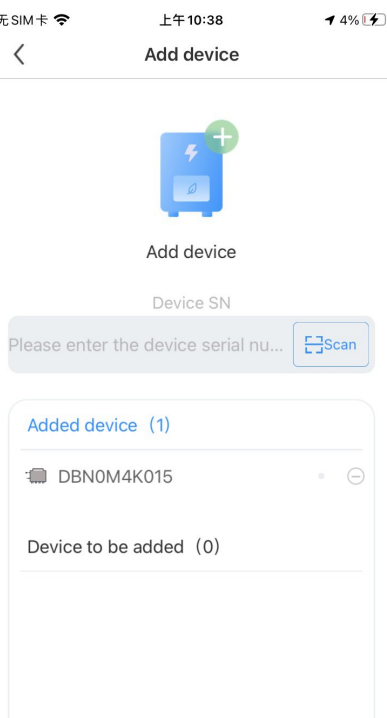
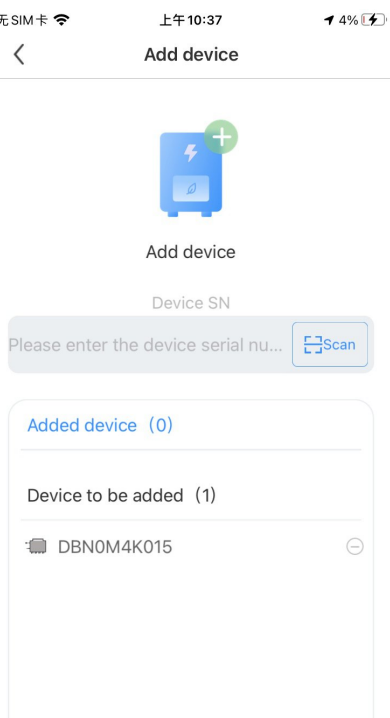


Step8. Pair device

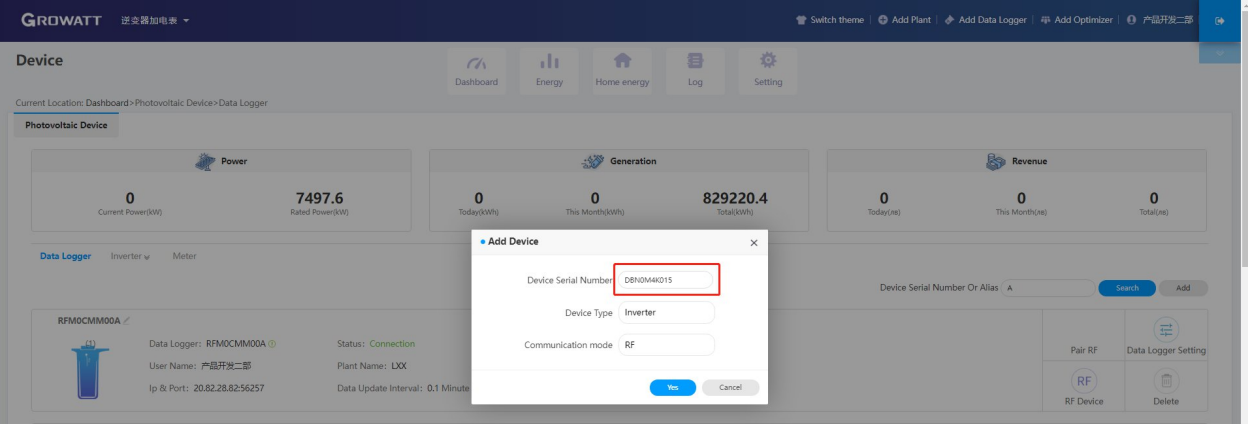
If the inverter is not paired for the first time, you can activate the pairing mode by turning the AC switch ON/OFF twice to add the inverter to the datalogger.

After the inverter cannot receive the datalogger data for 30 minutes, it will enter the pairing mode for 5 minutes. After 5 minutes, it will restore the original pairing state for 6 minutes. It will switch back and forth between the pairing mode and the restoration of the original pairing state.

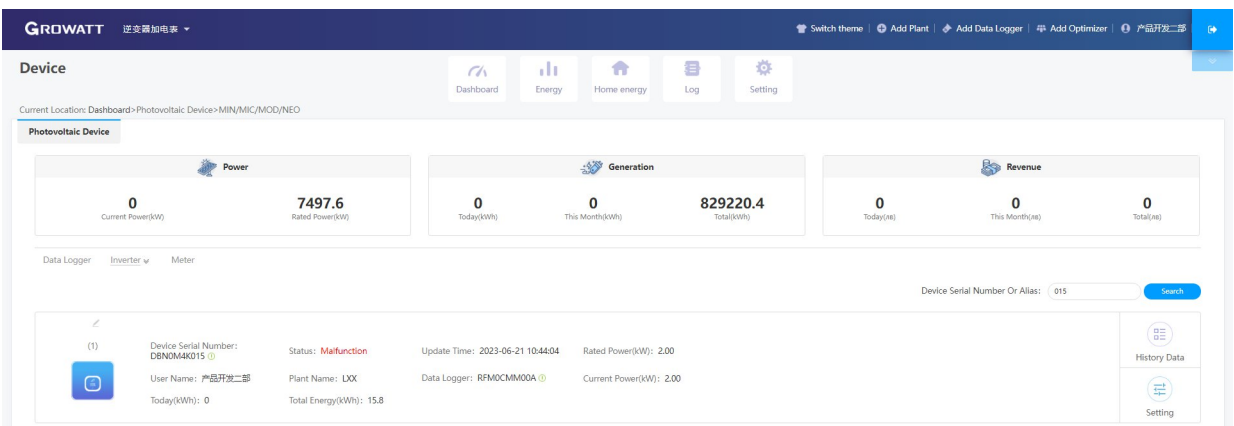
1. App-side pairing
Manually enter the serial number of the inverter on the add device page to add.



2.Server-side pairing :
On the power station page,click “Pair RF” in the ShineWeLink column,enter the serial number of the inverter to add equipment.



Notice
The number of flashes of ShineWeLink's LED light within a cycle indicates the number of devices currently connected.



Appendix I . Troubleshooting

1.Indicator Troubleshooting

LED status	Working conditions	Quick check
Steady red light	ShineWeLink is not connected to the router, no device is connected to ShineWeLink	(1)Continue with the network configuration process. (2)Pair device.
Steady green light	ShineWeLink is connected to the router, not connected to the server, and no device is connected to ShineWeLink	(1) Check if the router is connected to the Internet. (2) Whether the router restricts the server and port number, ShineWeLink needs to use port 7006. (3)Pair device.
Steady blue light	ShineWeLink is connected to the server, no device is connected to ShineWeLink	(1)Connect to routers and server normally. (2)Pair device.
Flashing red light	ShineWeLink is not connected to the router, there are already devices connected to ShineWeLink	Continue with the network configuration process
Flashing green light	ShineWeLink is connected to the router, not connected to the server, and there are already devices connected to ShineWeLink	(1) Check if the router is connected to the Internet. (2) Whether the router restricts the server and port number, ShineWeLink needs to use port 7006.
Flashing blue light	There are already devices connected to ShineWeLink	Connect to routers and server normally

Appendix II . Frequently asked questions

- Q Reset the datalogger?

A Unplug the power adapter and plug it in again to power on ShineWeLink. If you need to configure the datalogger, please click the top right corner "+" of the ShinePhone in the "My plant" page to enter the "datalogger list"then click the SN of datalogger to make the configuration.
- Q Router changes or the password of router changes?

A For the ShineWeLink that has been configured, when the router or router password is changed, the ShineWeLink needs to be reset before configuration. Unplug the power adapter and plug it in again to power on ShineWeLink. Start to reconfigure the network until the blue light flashes slowly.

- Q The supported characters for router and router password

A The router name and password are supported in the ASCII code table as follows:

Decimal code	MCS character or abbreviation	Whether is supported
32-127	Number 0-9	Can be used for WiFi name and password
	Letter a-b, A-B	Can be used for WiFi name and password
	Space	Can be used for WiFi name and password
	. , ? ! : @ + = # / () _ - ' ` ^ * & .. \$ < > [] { }	Can be used for WiFi name and password
	' € ... ¥ " " ~	Can be used for WiFi name only
128-254	All	Can be used for WiFi name only

- Q The datalogger has been existed?

A Go back to the application to the plant and find the datalogger list; Click on the corresponding datalogger and configure it again; If you can't find the datalogger, please contact with Growatt.
- Q Supported router bands?

A ShineWeLink only supports 2.4 GHz band WiFi signal, not 5GHz; please check if the router's current band contains 2.4 GHz.
- Q The indicator of ShineWeLink shows it has been disconnected.

A Check the status of the indicator of the datalogger, and deal with it according to Appendix I.Troubleshooting.

Appendix III. FCC Caution

1. Labelling requirements.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
2. Information to user.
- Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3. Information to the user.
- Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

- 4.RF warning for Mobile device:
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.