

ST-WIFI-G2 User Manual V1.1

1 Electrical connection

Plug the ST-WIFI-G2 module into the COM port of the inverter.

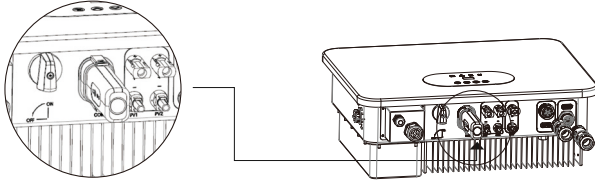


Figure 1-1

2 Turn on inverter and check ST-WIFI-G2 state

After installing the ST-WIFI-G2 module, turn on the inverter, below is the LED state of the module.

LED State	Indication
LED off	The LED default is off before pressing the button 1-2s to configure the WiFi module.
LED green and blinking	The module is searching network and under configuration
LED stay on green	The WiFi configuration is successful.

Table 2-1

3 Registration and adding device

The configuration needs the installer to use the “**Nahui Business**” to create the plant and install the datalogger to inverter and distribute the network first, then transfer the plant information to the end user who used the “**Nahui Energy**” to scan the transfer QR code know all the information of inverter.

Step1: Download App

There are three ways to download and install the latest App:

1. You can search the App in Google Play or App Store.
2. You can scan this QR code below to download.
3. You can search in www.nahui-newenergy.com.



Figure 3-1

Please note that “**Nahui Business**” is for business installers, and “**Nahui Energy**” is for end users.

Step2: Installer to register an account

For new users, please click “**Register Company/Organization**” and select the user types (Company/Personal).

If you are an installer/distributor in the company, please select “**Company**” to fill in the information as prompted and get the verification code by phone or E-mail to register. If you are an individual installer who is without organization or a user who wants to create a plant by yourself, you need to select “**Personal**” to fill in the information as prompted to register.

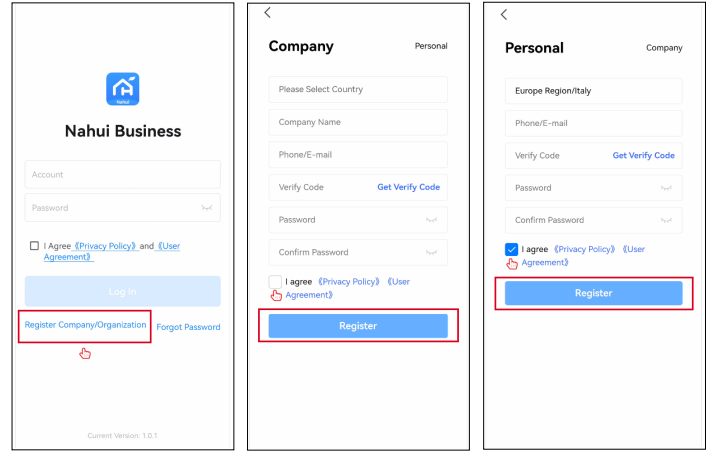


Figure 3-2

Note :

If your organization has already registered an account in the system, there is no need to register again. Please contact your organization's administrator to add you as a member in the system backend.

Step3: Installer to log in the App

Entering the account and password, then check the “**Privacy Policy**” and “**User Agreement**”, then click “**Log In**”.

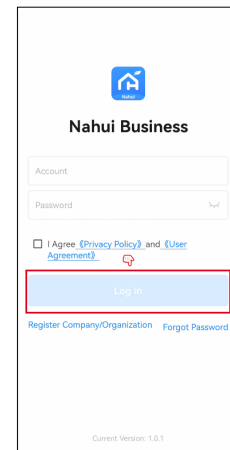


Figure 3-3

Step4: Installer to create the plant

Click the “**Plant**” to enter the plant management module to “**Add plant**” and fill in the information to “**Save**”.

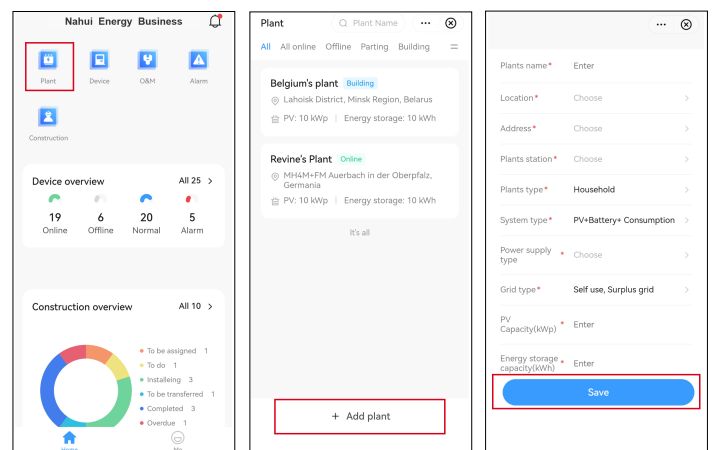


Figure 3-4

Note:

When setting the plant time zone, please keep it consistent with the installed site of the inverter.

Step5: Install the datalogger and distribute the network

1. Install the datalogger on the inverter, power it on, and press the button for 1-2 seconds (don't press more than 5 seconds), start WiFi configuration when the indicator LED of the module is green and blinking. Then click the plant to enter the device list.
2. Click the **"Add device"** to enter the device configuration webpage. Click the inverter icon below the **"Add Manually"** to choose the **"Nahui(N1PH, N3PH)"** and add it, which will enter the Bluetooth distribution network.
3. Enter the WiFi route account and password as prompts and scan the consistent SN code with the inverter, then click **"Next"**, and the inverter will be connected and registered, which needs to wait a moment. (The SN code of the inverter is on the electrical label of the machine.)



Figure 3-5

4. The inverter will be added to the device list automatically when click **"Done"** when complete the distribution.

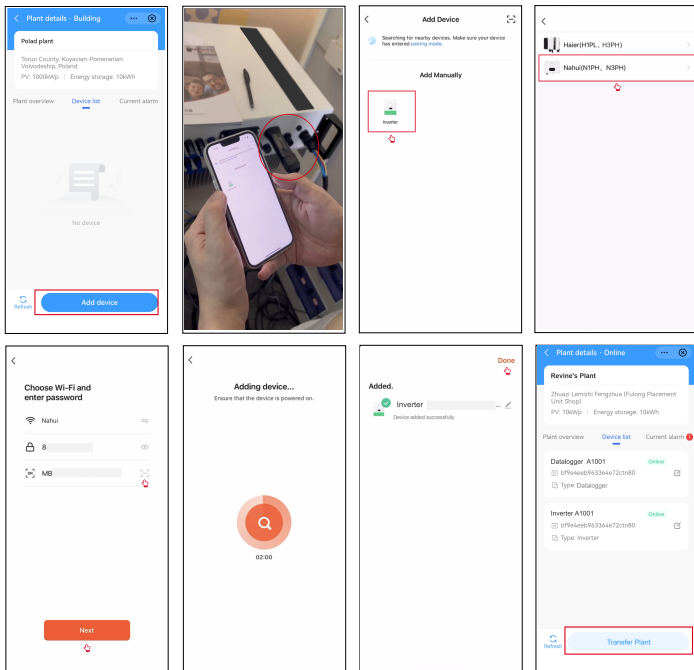


Figure 3-6

Note:

Please make sure your phone has Bluetooth/GPS turned on, and the app has been authorized to use Bluetooth.

Step6. Transfer the plant to the appropriate end user

1. Click **"Transfer Plant"** to transfer the plant to the homeowner.
2. Enter the owner's App account and click **"Confirm submission"**, which will generate a QR code and send it to owner.
3. The owner needs to scan the QR code using the **"Nahui Energy"** App to confirm, and the handover will be completed.

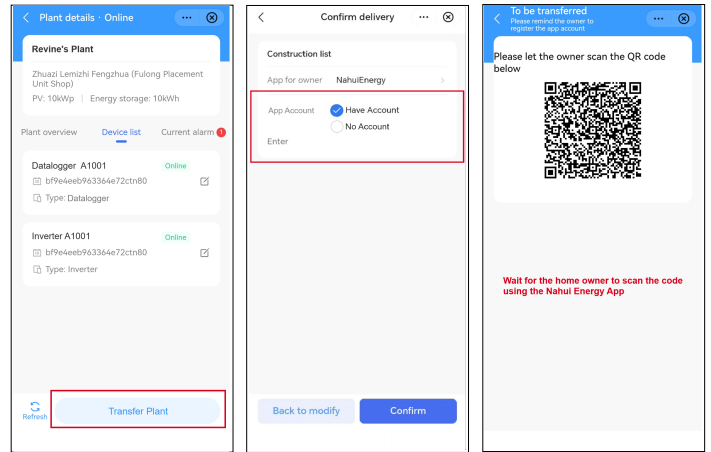


Figure 3-7

Note:

If the owner doesn't have the Nahui Energy App:

1. You can be guided to register and download the App. For details, please refer to **"Steps 7 to 9"**.
2. When transferring the plant, if the user can not register or download Nahui Energy in time, please select **"no account"** and enter the owner's E-mail account. The system will send an E-mail to the owner to guide them to download **"Nahui Energy"** and receive the plant.

Step7. Homeowner to register an account

1. Open the **"Nahui Energy"** to click **"Sign Up"** and enter the registration information that includes COUNTRY and Email.
2. Check the Privacy Policy and User Agreement and click the **"Get Verification Code"**.
3. Get the verification code in your Email and fill it in.
4. Set the login password to click **"Done"**.

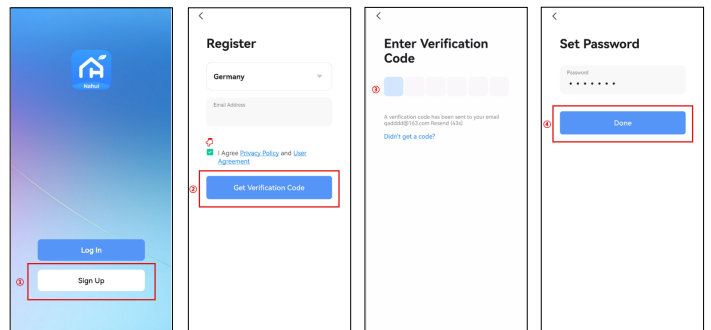


Figure 3-8

Step8. Homeowner to Login to the App

1. Click **"Log In"** and enter the login information that includes COUNTRY and account password. Please select your region (country) correctly, and it cannot be changed after registration.
2. Check the Privacy Policy and User Agreement and click the **"Log In"** then you will enter the **"Welcome"** page.

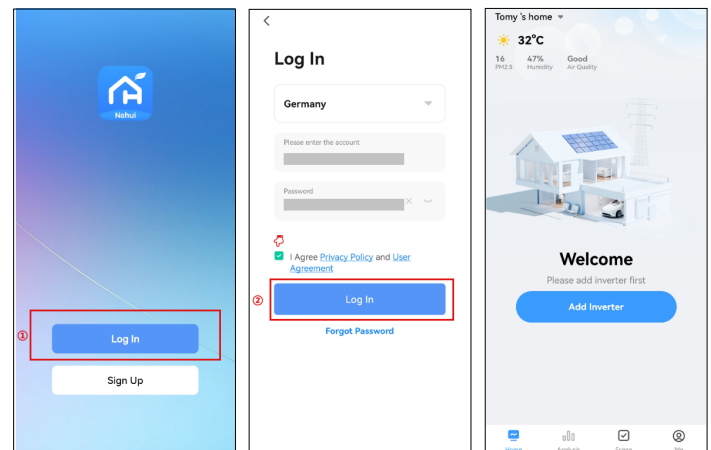


Figure 3-9

Note:

Nahui Energy supports quick login to third-party App. (The ios system can support the use of the Apple ID to log in.)

Step9. Homeowner to scan the QR code to complete handover

1. Click “Add Inverter” on the Welcome page.
2. Scan the QR Code generated by an installer with the scan icon in the top right corner of the page.
3. Click “Confirm add” to complete the inverter added, and then you can get the relevant status and data of the system in the Nahui Energy App.

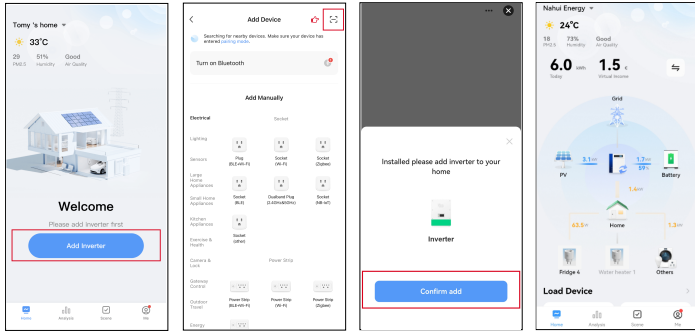


Figure 3-10

Note:

Due to product upgrades and other factors, the content of this manual might change from time to time. Please take the actual product as standard and get the latest manual from www.nahui-newenergy.com or sales. Unless otherwise agreed herein, this manual will only be used as guidance. Any statement, information, or suggestion in this manual will not take any form of responsibility.

When you have changed your home router password, or changed to a new router, you need to reset ST-WIFI-G2 to factory settings and reconfigure it, press the reset button of the ST-WIFI-G2 for 1-2 seconds until the indicator LED of the module is green and blinking, the module reset is successful, the reset button as shown in the figure below.

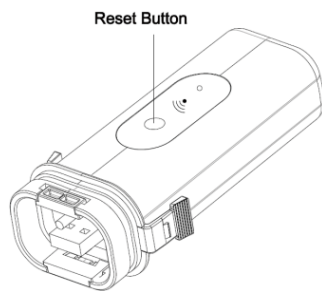


Figure 3-11

Appendix A: Troubleshooting

LED State	Indication	Troubleshooting
LED off	ST-WIFI-G2 can not find inverter via COM port.	1. Try to reconnect ST-WIFI-G2 to the inverter COM port.
After configuration, LED is green and blinking.	The configuration is unsuccessful.	1. Reconfigure the module.
After configuration, LED stay on green, but no data shown in monitoring system.	The configuration is successful. Data is not transmitted.	1. Check whether the router is connected to the internet. 2. Restart the router. If following above steps are not helpful, please contact technical support.

Table 3-1