

ShineWiLan-X2 Configuration Guide

For the latest information, please visit <http://en.growatt.com>.

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Step1. Turn on the PV device and check the connection status

Upon initial installation, ShineWiLan-X2 is steady blue light indicates that it is in Bluetooth mode.

LED status indication

LED status	Operating status
Off	The datalogger failed to communicate with the PV device. (1) Check if the datalogger has been properly connected to the USB port on the PV device; (2) Unplug and replug the datalogger; (3) Connect the datalogger to another PV device to check whether the datalogger or the PV device is faulty.
Steady white	The datalogger is initializing. Please wait for about one minute.
Steady blue	The datalogger is in Bluetooth mode. Please continue with the network configuration process. If you do not need to configure the network, you can exit this mode by pressing the button once.

Step2. Download the ShinePhone APP

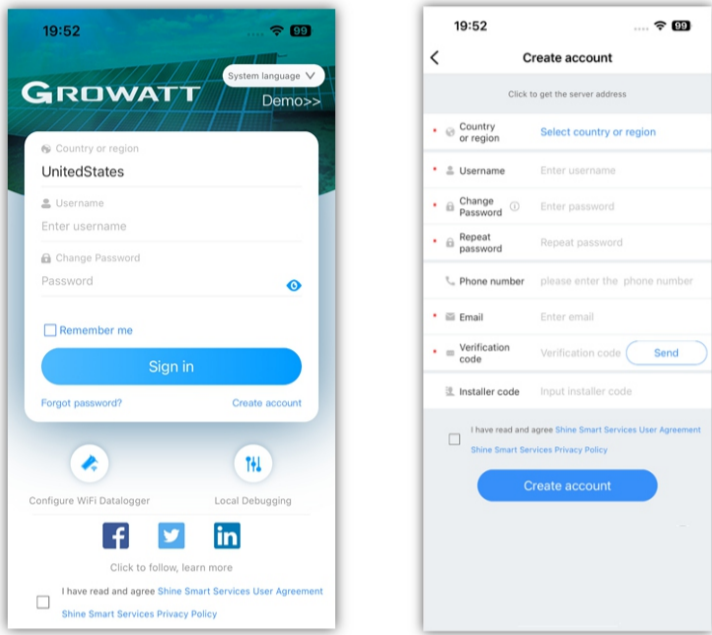
Scan the QR code below to download the ShinePhone APP, or you can search for ShinePhone in the Apple Store or Google Play to download and install the APP.
1. Make sure you download the latest version.
2. For further information, please visit <http://server.growatt.com>.



【Android & iOS】

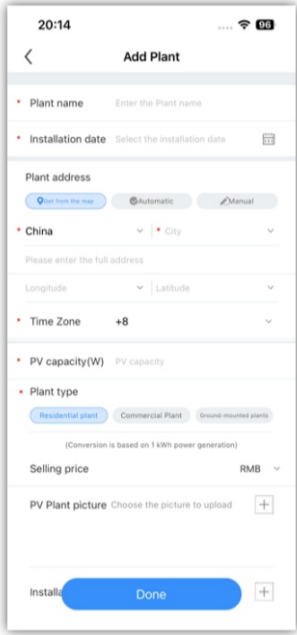
Step3. Register an account

1. Connect your phone to the router via a wireless network;
2. Run the ShinePhone APP and go to the registration page;
3. Fill in the registration information and click "Create account".



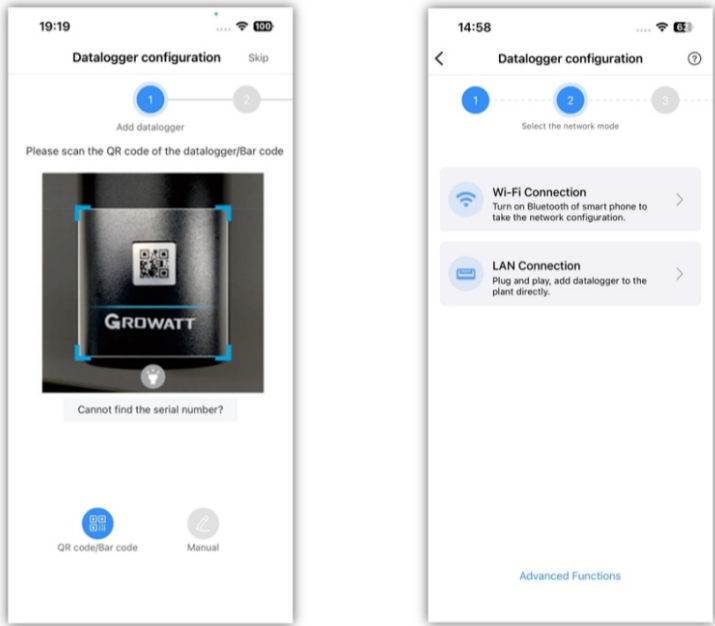
Step4. Add a plant

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



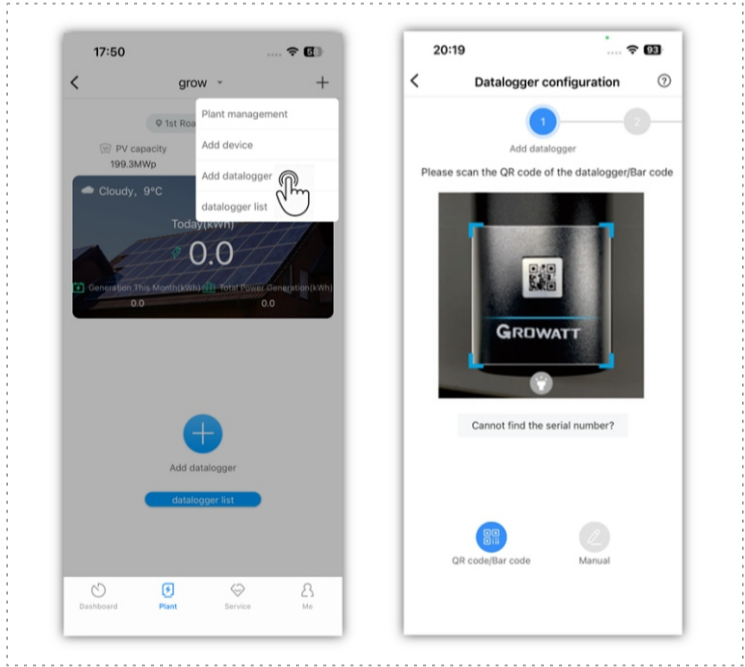
Step5. Add a datalogger

1. Go to the "Add datalogger" page;
2. Scan the QR code or manually enter the serial number (SN) and verification code;
3. If you select "LAN Connection", the datalogger will be added directly. If "Wi-Fi Connection" is selected, you need to configure the network to add the datalogger;
4. If you do not need to add a datalogger, you can skip this step and go to the "Plant" page.



Step6. Network mode configuration

1. Connect via Wi-Fi



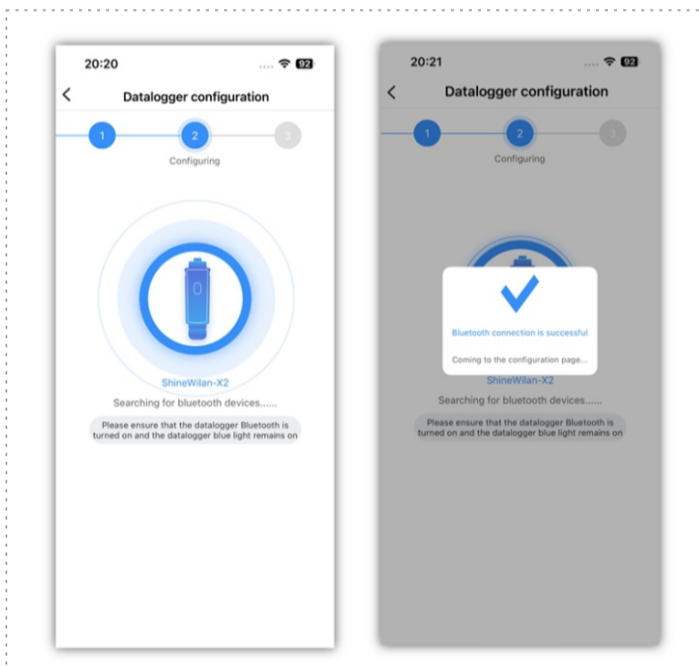
Configure the datalogger

Step 01: On the target Plant page, tap "+" to add the datalogger
Step 02: Scan the QR code or manually enter the serial number (SN) and verification code

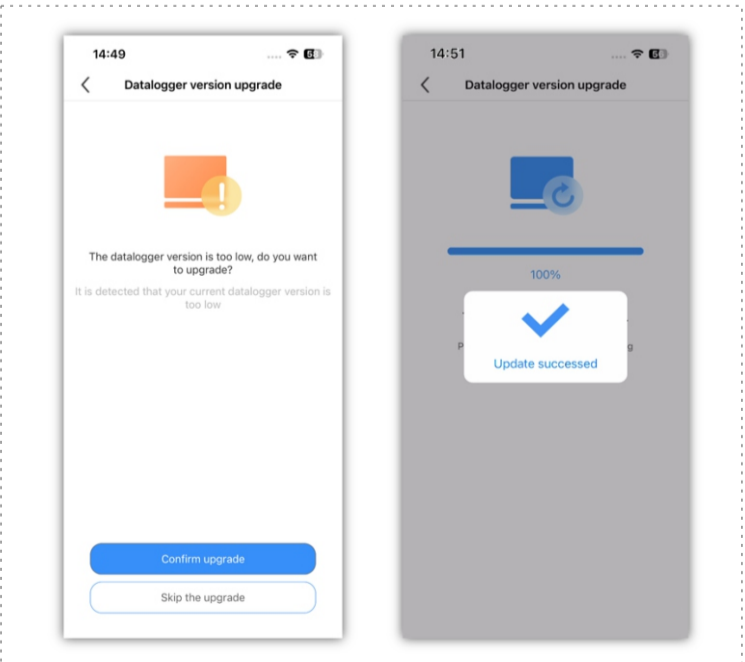


Select "Wi-Fi Connection"

Step 01: Select "Wi-Fi Connection" to enter Bluetooth mode
Step 02: The Datalogger's steady blue light indicates that it is in Bluetooth mode. Press the button briefly to activate Bluetooth if the light is not on, then proceed with pairing.

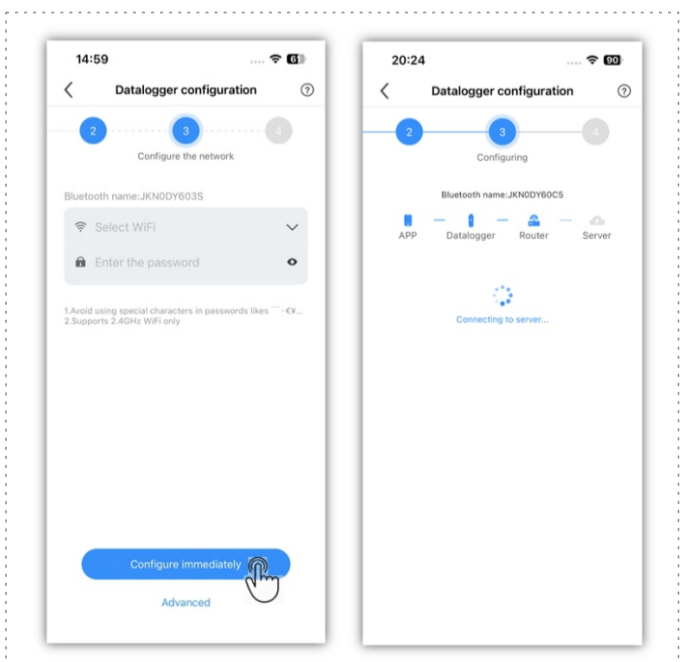


Datalogger configuration starts and it will automatically connect to the Bluetooth with the name of the datalogger's SN



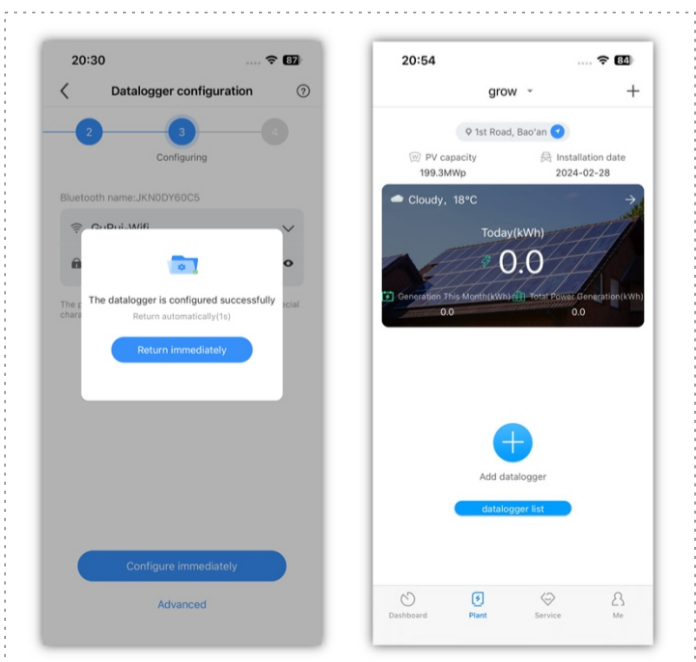
Datalogger firmware upgrade
(only perform this step when a firmware update is required)

Step 01: Choose whether to upgrade the datalogger version
Step 02: If you need to upgrade the datalogger, please wait for about 10 minutes. The datalogger will restart automatically once the upgrade is complete
Step 03: Reconnect to the datalogger's Bluetooth

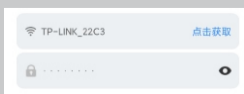


Connect to the home router and configure the network

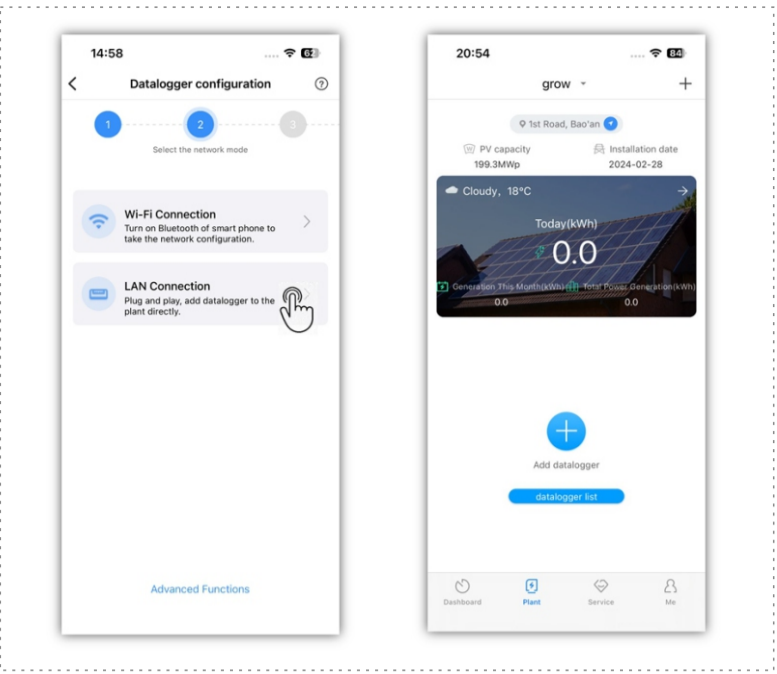
Step 01: After the Bluetooth connection is set up, enter the configuration page, select your target router and enter the password
Step 02: Once the Wi-Fi configuration is complete, please return to the "Plant" page



Configuration is successful, then return to the "Plant" page



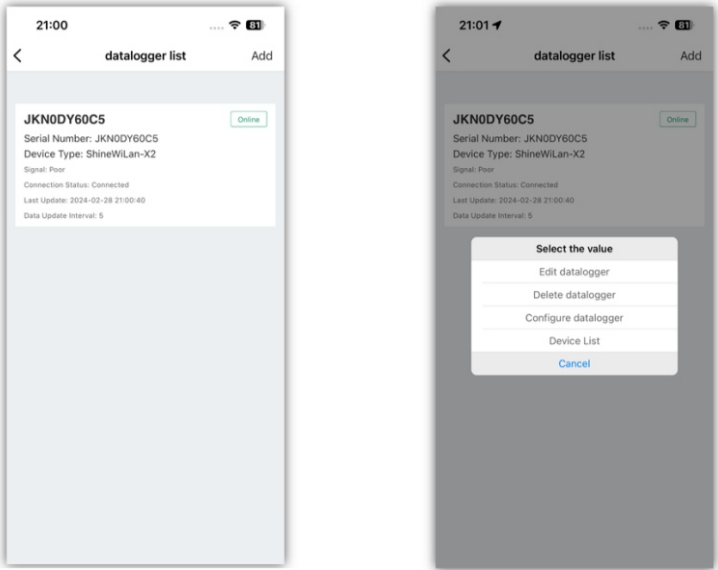
2. Connect via LAN



Select “LAN Connection” , then add the datalogger to the plant

Step7. Check the datalogger status

- 1. Log in with your account, go to the “Plant” page and click the “+” icon to check the datalogger list
- 2. From there, you can edit, delete or configure the datalogger



Note: To monitor other devices with the datalogger, you need to remove it from the current account and then add it to the new account.

Appendix I . Troubleshooting

1. Troubleshooting based on the indicator status

LED status	Indication	Troubleshooting
Steady green	ShineWiLan-X2 failed to connect to the router	1. For Wi-Fi connection (1) Check if you have entered the correct account name and password of the router during configuration (2) Check the router a) The router’s name should be a combination of English letters and numbers; special symbols are not allowed: (~ ~ ~ ~ ~.€¥) b) For security reasons, please use the encrypted wireless network c) Networks that adopt secondary authentication are not currently supported d) Supports 2.4GHz WiFi only 2. For LAN connection (1) The Ethernet cable is not connected (2) Restart the router and make sure that the DHCP is enabled to assign IP addresses automatically (3) If the static IP address is adopted, please check if the network segments of the IP address is consistent with the router settings
Flashing blue	ShineWiLan-X2 communicates with the PV device, router and server properly	Operating properly
Steady blue	ShineWiLan-X2 is in Bluetooth mode	Bluetooth configuration mode. Please continue with the configuration process. If network configuration is not needed, you can press the button once to exit this mode

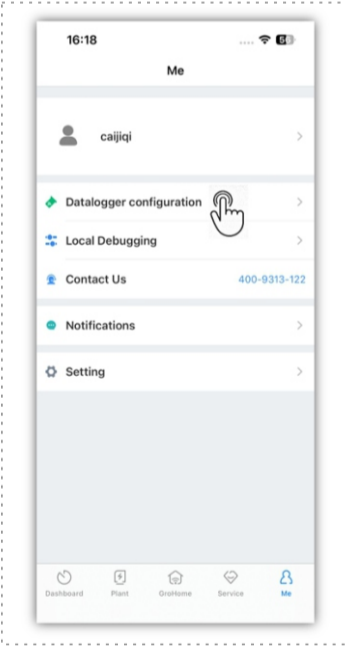
LED status	Indication	Troubleshooting
Flashing green	ShineWiLan-X2 has been connected to the router, but failed to connect to the server	(1) Check if the router has access to the Internet (2) Check if the router is blocking the server and port number. ShineWiLan-X2 uses Port 7006.
Off	ShineWiLan-X2 failed to communicate with the PV device	Check the USB port connection

2. ShineWiLan-X2 button description

Button operation	Description
When the ShineWiLan-X2 is working normally, short press the button (the indicator will turn steady blue)	Enter Bluetooth Mode
When the ShineWiLan-X2 is in Bluetooth Mode, short press the button (the indicator will exit the steady blue status)	Exit Bluetooth Mode
Press and hold the button for 6s until the white light is on	Reset the datalogger; restore to factory settings (1) Dynamic IP by default (2) Reset items include transmission interval, router information (3) Reset items exclude the Serial Number, domain name, IP address, port and retransmission data

Appendix II . Advanced settings (for commissioning, professionals only)

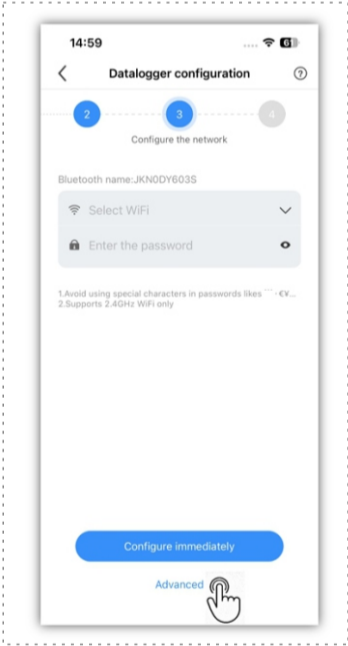
1. Access the “Advanced settings” page



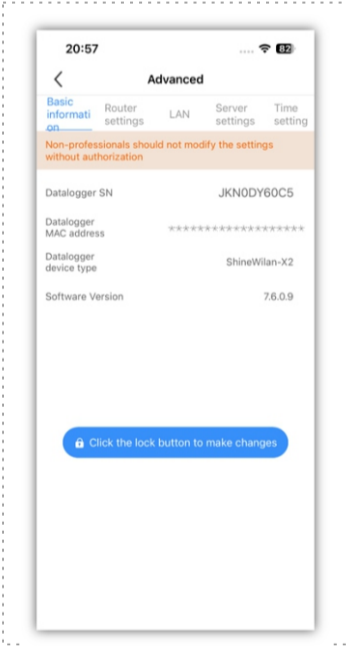
Tap “Datalogger configuration”



Select your target datalogger for Bluetooth connection



Access “Advanced settings”

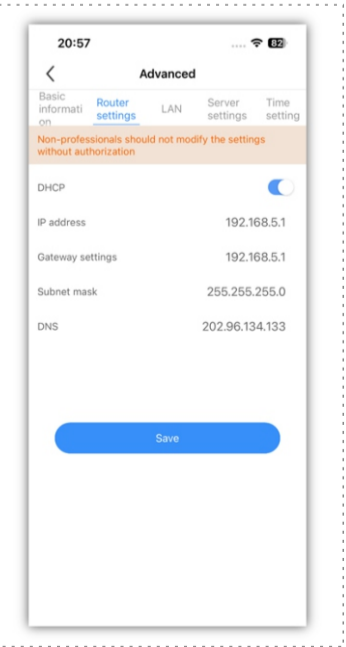


Advanced settings page

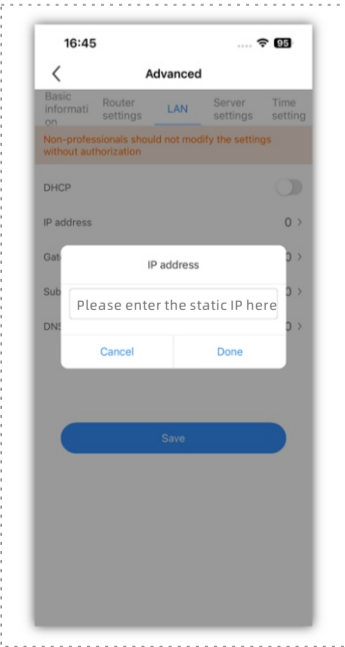
Step 01: Tap “My” > “Configure Datalogger”
Step 02: Scan the QR code or manually enter the SN and the verification code
Note: Before accessing Advanced Settings, make sure to:
(1)Enable Bluetooth on your phone.
(2)Ensure the Datalogger is in Bluetooth mode, as indicated by the steady blue light. If necessary, press the button to activate this mode.

On the “Datalogger configuration” page, tap “Advanced” at the bottom to access advanced settings
⚠Notice: Advance settings can only be operated by professionals. Otherwise, the datalogger might fail to work properly.

2. Static IP configuration



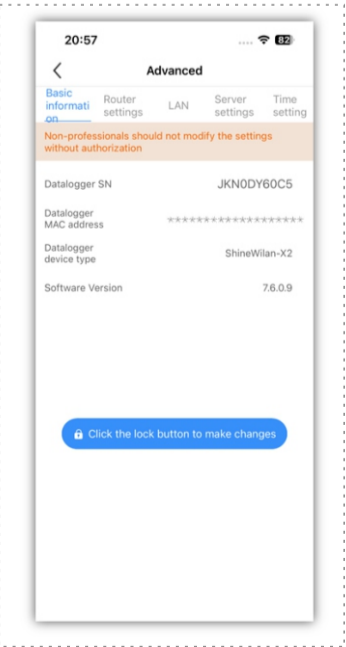
WiFi static IP configuration



LAN static IP configuration

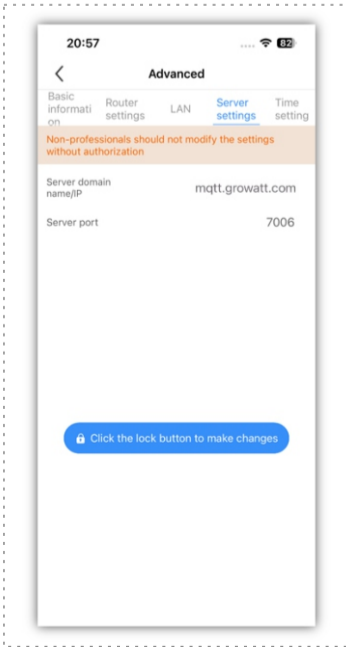
⚠ Note: Only perform this step when you need to configure the static IP.
Step 01: Access WiFi configuration or LAN configuration page
Step 02: Disable DHCP
Step 03: Enter the target static IP, gateway, mask and DNS, then click “Save”

3. Parameter settings



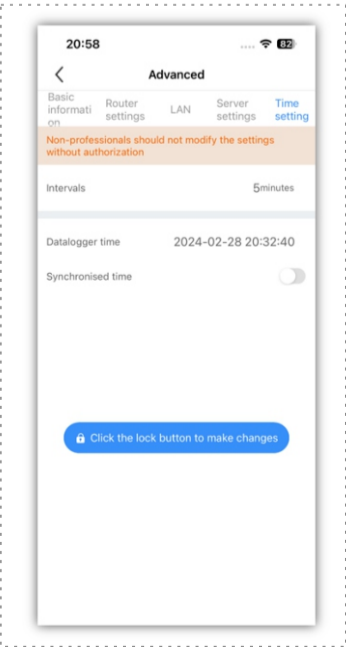
Basic information page

You can view information, including the datalogger’s SN and version number



Server configuration page

You can check the datalogger’s server domain name, IP and network port



Time setting page

You can view the datalogger’s sampling interval and the current time