



## **Lantrun Monitoring Device Manual**

# **1 About Manual**

Thank you for using the monitoring platform development and monitoring products which create by Shenzhen Lantrun new energy company ( referred to as Lantrun ) , we hope that this kind of product meets your demand , want to get more views about your expectations for product performance and functionality . The purpose of this manual is to provide detailed product information for users.

## **2 Monitoring platform introduction**

### **2.1 Function introduction**

Lantrun monitoring platform data can receive and handle data of inverters in a different time zone by acquisition module. After the user logs in monitoring platform, can view real-time inverter working status, operational data and historical power generation, etc. (including the inverter power curve day, date, month, year generating capacity histogram).

## 2.2 Visit monitoring platform


Opening a browser (Google, Firefox, Opera and other browsers best), to input [www.lantrunsolar.com](http://www.lantrunsolar.com), then can visit Lantrun monitoring platform. Click on "Access Demo Station" button to directly access demonstration power plant experience monitoring platform.



## 2.3 New Registration

If you are the a user, you need to register an account, click on the "Register" button to access to the new user registration interface. After you input all the information, you can finish registration, the serial number and check code is on the monitoring module.

* Username	<input type="text" value="lantrun001"/>	✓
* Password	<input type="password" value="••••••"/>	✓
* Repeat password	<input type="password" value="••••••"/>	✓
* E-mail	<input type="text" value="Tina.wang@lcxny.com"/>	✓
* Continent	<input type="text" value="Asia"/>	▼
* Region	<input type="text" value="East Asia"/>	▼
* Country	<input type="text" value="China"/>	▼
* Timezone	<input type="text" value="—"/>	▼
* Language	<input type="text" value="English"/>	▼
* Company name	<input type="text" value="lantrun new energy"/>	
Tel number	<input type="text" value="0755-23711419"/>	
Address	<input type="text" value="Meilan Business"/>	
* Datalog serial number	<input type="text" value="WA15530001"/>	
* Datalog check code	<input type="text" value="35TB4"/>	
	<input type="button" value="Register"/>	<input type="button" value="Back to login page"/>



The image shows a barcode with two red circles highlighting the serial number and check code. The top circle highlights the text "S / N : WA 1 5 5 3 0 0 0 1" and the bottom circle highlights the text "C / C : 3 5 T B 4".

## 2.4 Log in

In the login screen , enter the user name registration, the password and check code of the current page, click on the " Login" button , to complete the login, it will enter into the main interface after login successfully.

# Lantrun Monitor Center

[View demo plant](#)

---

 lantrun001

 ●●●●●●●●

 E9EG|  

Remember me [Forget password?](#)

[Sign in](#) [Register](#)

## 2.5 Create new plant

After the registration is successful, you can create the first power station in this user interface. Select the correct time zone area plant monitoring platform to ensure the monitoring data Time and Power Station local time consistent.

The screenshot displays the Lantrun web interface for creating a new plant. The left sidebar contains navigation menus: USER MANAGE (User manage), PLANT GROUP MANAGE (Add plant group, Plant group list), PLANT MANAGE (Add plant, Plant list), and SERVICE MANAGE (Data Log list, Invoice). The 'Add plant' button is highlighted with a red circle. The main form fields are as follows:

* Plant name	xinan industrial photovoltaic power station	✓
* Create time	2016-06-24	
* Nominal power(W)	5000	✓
* Continent	Asia	▼
* Region	East Asia	▼
* Country	China	▼
* Timezone	GMT +8	▼
* Daylight saving time	<input checked="" type="radio"/> Yes <input type="radio"/> No	
* Income formula(kWh)	1.42	✓ RMB(¥) ▼
Address	Xinan industrial area	

Add free datalog to this plant

## 2.6 User main interface

After logging in, you will enter into the main interface, as below:



The top interface is the user menu ,You can setup the interface and switch language by the menu ,or log out and log on and so on .you can return to the main interface by click the logo.The main interface area is used to display the main monitoring data. You can view different monitoring data by click different nodes .

### 3 Set and viewed WiFi link through Android device ( phone or tablet ) Inverter data

#### 3.1 Download lantrun APP

You can scan the two-dimensional which is on the website ([www.lantrunsolar.com](http://www.lantrunsolar.com)) and downloaded lantrun app installation .





## 3.2 using APP to set WiFi link and view local data

### 3.2.1 Search Wifi hotspot

Open installed APP, click on the login interface below the " local control / Settings" button to enter the local monitoring interface. Local monitoring module need to connect to Wifi hotspot ( hotspot name beginning with the W WiFi SN number ) , as below picture , if the current phone is not open Wifi function , click top right,"Enable Wifi " button to open the phone's Wifi function . Click the Search module Wifi hotspots search of hot spots nearby .



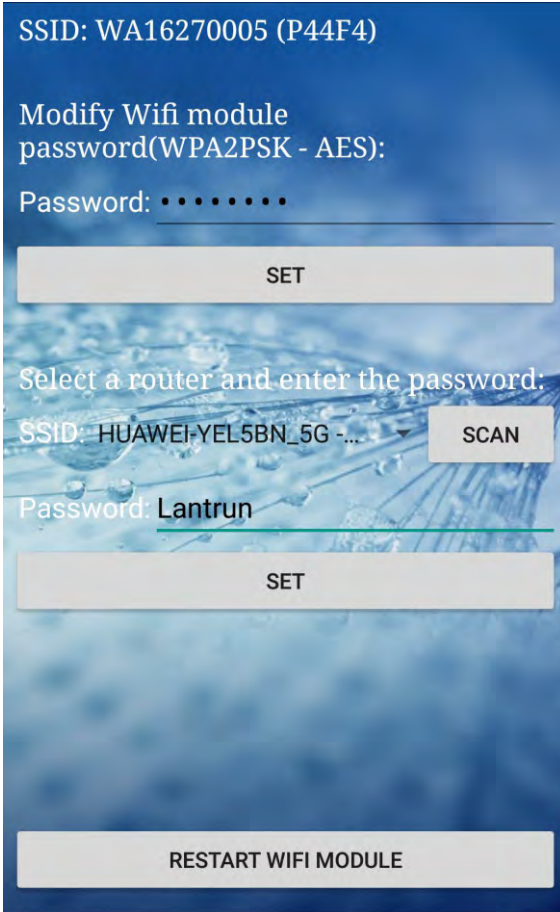
### 3.2.2 Connection Wifi hotspot

Click on corresponding Wifi hotspot searched by previous picture (hotspots Wifi module initial password is 12345678, or no password) , you can enter the function selection interface , as below picture:



### 3.2.3 Setting WiFi password and link router

Click on "WiFi settings" to enter the WiFi settings interface, You can set or modified the wifi hotspot passwords and wireless router hotspot passwords .



Enter the password for the WIFI module

Click set button settings

Search WIFI module to enter the wireless router

Enter the password for the wireless router

Click set button settings

Click to reset the WIFI module after the entry into force

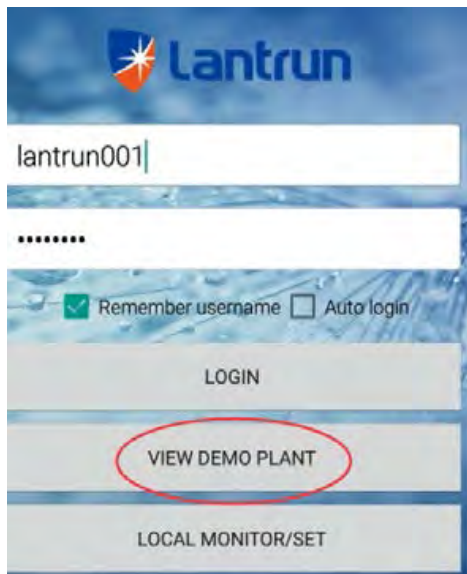
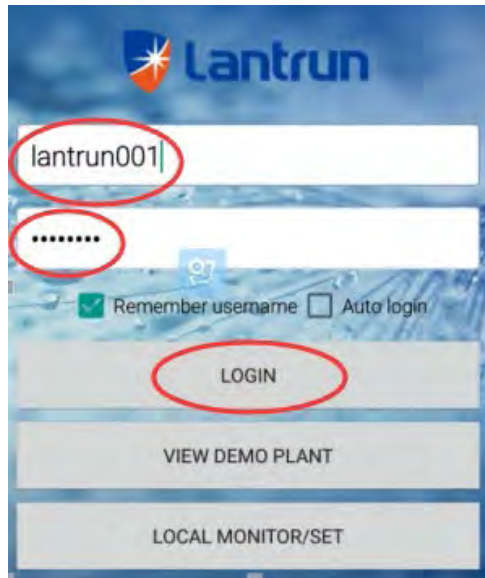
### 3.2.4 Check local monitoring data via WiFi

Click the "Inverter local monitoring " , enter the local monitoring module , click on "View Details" , you can view the data of the inverter .



### 3.3 Log in to view the data APP

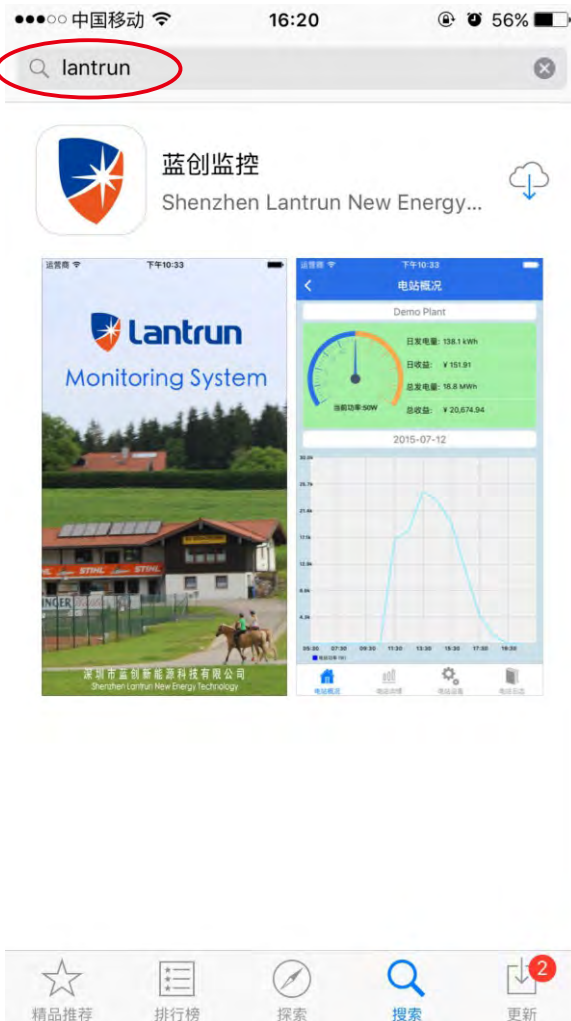
You can log in lantrun APP directly by the account and password ,click on "View Demo Station " button to access the demo station.



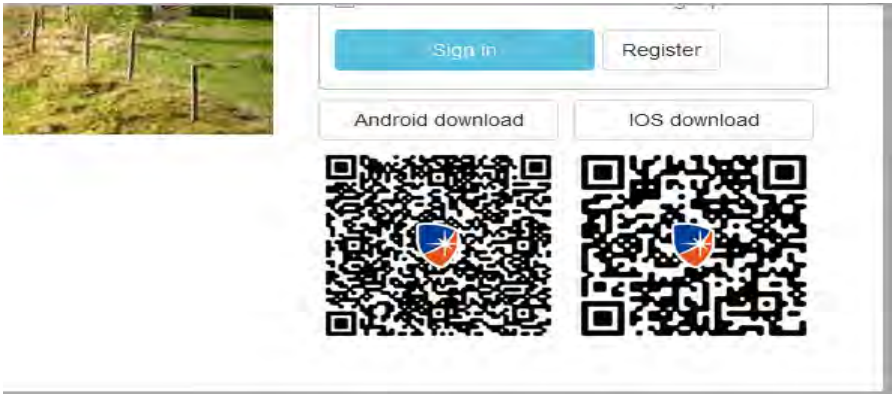
# 4 Setting WiFi link and view the inverter by iOS device ( phone or tablet ) data

## 4.1 Download lantrun app

First Method : Open the App Store, search for lantrun click to install.



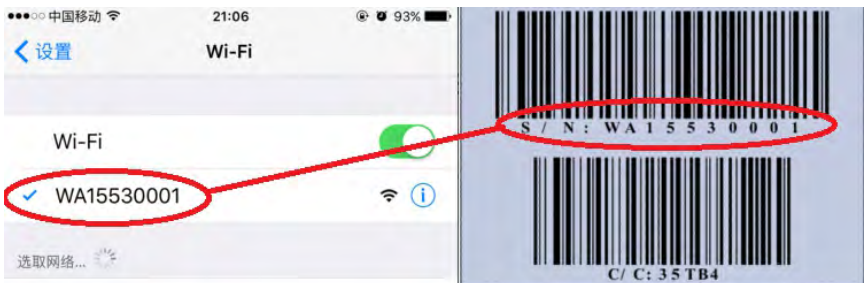
Second way : You can scan the two-dimensional which is on the website ([www.lantrunsolar.com](http://www.lantrunsolar.com)) and downloaded lantrun app installation .



## 4.2 Setting wifi link and view local data by the app

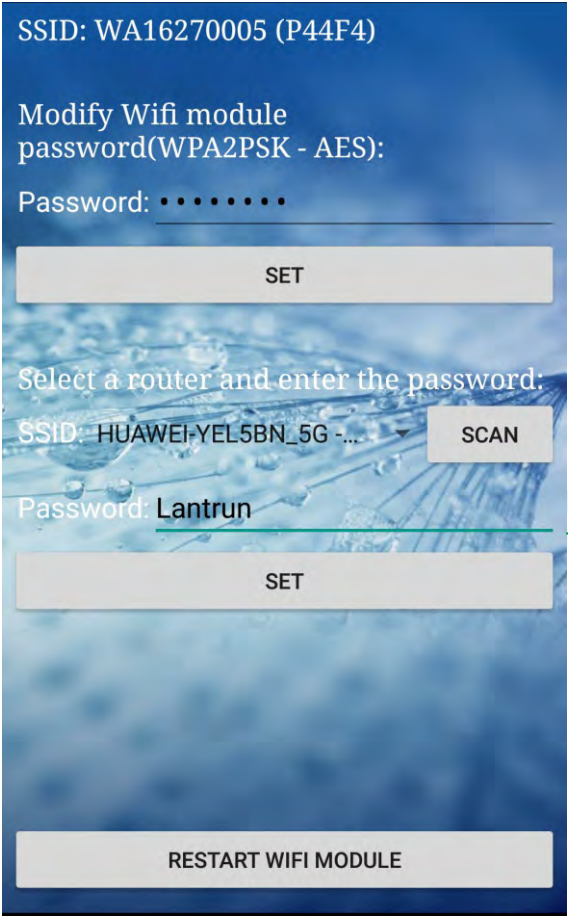
### 4.2.1 Link Wifi hotspot

Local monitoring need to connect to Wifi hotspot ( hotspot names is beginning with W in the number of WiFi SN ), as below picture , select Settings, turn on WiFi , corresponding to the WiFi hotspots ( hotspots Wifi module initial password is 12345678 , or no password )



## 4.2.2 Setting WiFi password and link router

Click on "WiFi settings" to enter the WiFi settings interface, You can set or modified the wifi hotspot passwords and wireless router hotspot passwords .



Enter the password for the WIFI module

Click set button settings

Search WIFI module to enter the wireless router

Enter the password for the wireless router

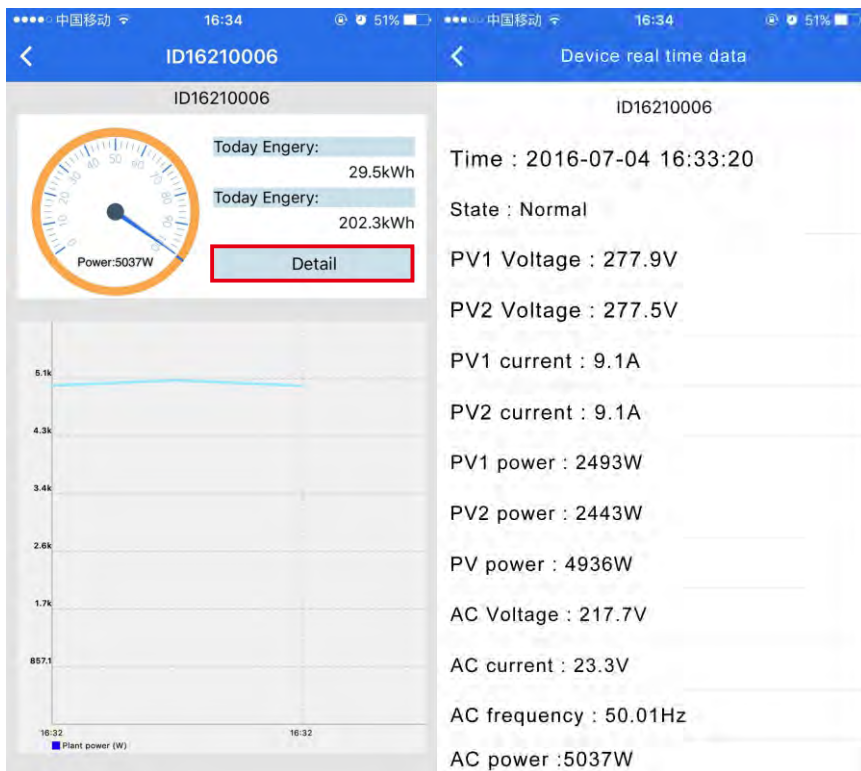
Click set button settings

Click to reset the WIFI module after the entry into force



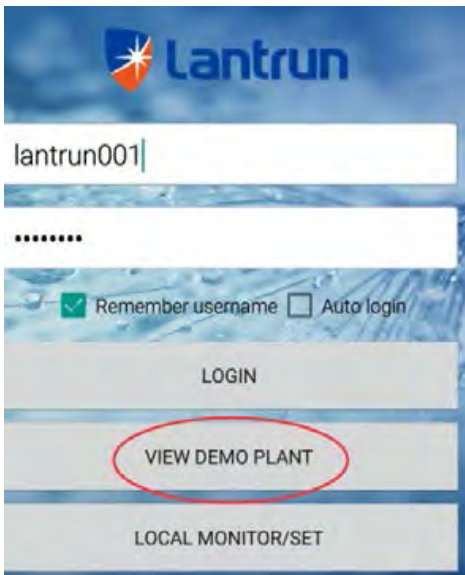
## 4.2.3 Check local monitoring data via WiFi

Click the "Inverter real time Data", then click the "View Details", you can view the data of the inverter .



### 4.3 Log in to app to view the data

You can log in lantrun APP directly by the account and password ,click on "View Demo Station " button to access the demo station.



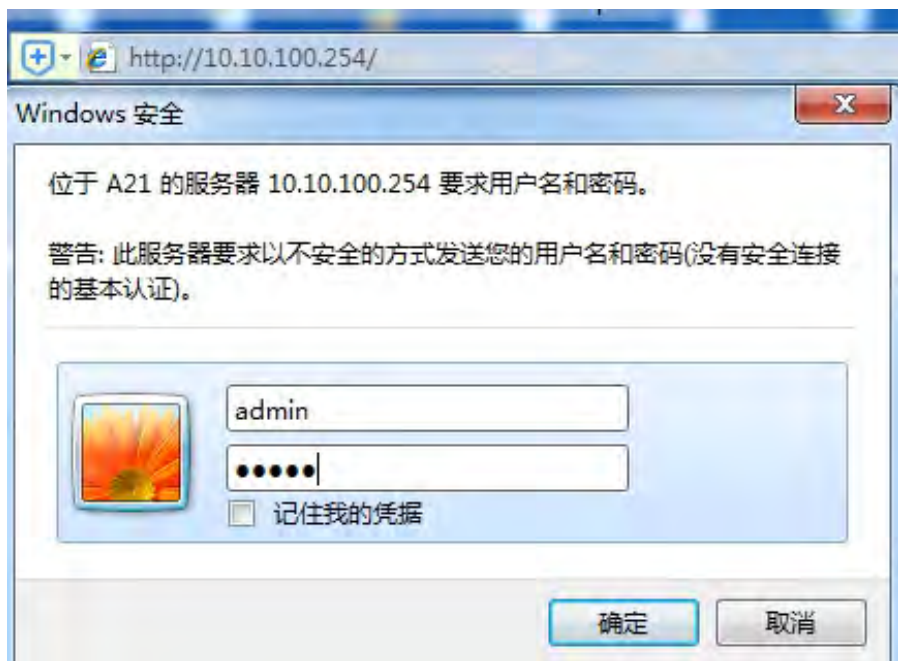
## 5 Through the notebook computer set WiFi link

### 5.1 To connect the WiFi hotspot use the laptop

To connect the WiFi hotspot via the laptop ( hot spot begins with the name W to the number of WiFi SN ), access the corresponding WiFi hotspots ( hotspots Wifi module initial password is 12345678 , or no password )



5.2 Enter <http://10.10.100.254> , account and password are both admin.



### 5.3 Link with wireless router

Click on " line terminal settings " and then click "Search " to find the wireless router , and then enter the password , click "confirm."

You could configure STA interface parameters here.

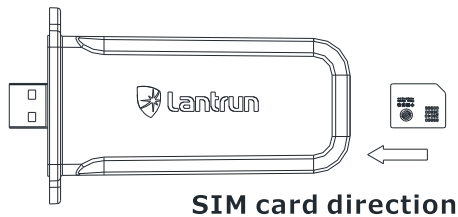
STA Interface Parameters	
AP's SSID	HUAWEI-S0Q4QA <input type="text" value="Search..."/>
MAC Address (Optional)	<input type="text"/>
Security Mode	WPA2PSK ▼
Encryption Type	AES ▼
Pass Phrase	1c88888888

## 5.4 Restart WiFi module , set to take effect

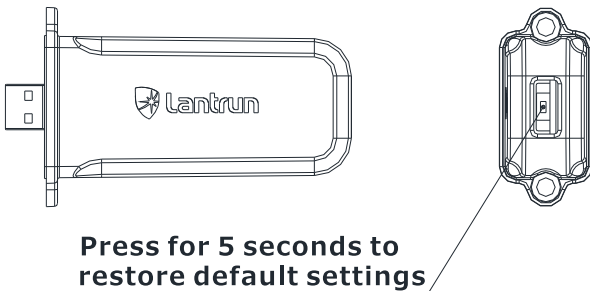
Click on " Device Management " option and then click on the " Restart " button to make parameter settings above take effect

The screenshot shows a web interface for device management. On the left, a sidebar menu contains several options: Mode Selection, AP Interface Setting, STA Interface Setting, Application Setting, and Device Management. The 'Device Management' option is highlighted with a red circle. The main content area is titled 'Device Management' and shows the version '5.01T.08'. Below this, there is a section for 'Administrator Settings' with input fields for 'Account' (containing 'admin') and 'Password' (containing 'admin'). There are 'Apply' and 'Cancel' buttons below these fields. At the bottom, there is a 'Restart Module' section with a 'Restart' button circled in red.

## 6 GPRS card installation



## 7 Wi-Fi restore factory settings





## **Shenzhen Lantrun New Energy Technology Co., Ltd**

Address: Shenzhen City, Baoan District Xixiang Avenue and along the two road interchange Meilan business center

Website: [www.lantrun.com](http://www.lantrun.com)

Tel: + 86 755 23711419

Fax: + 86 755 23711535

Mailbox: [service@lantrun.com](mailto:service@lantrun.com)