



## WIFI-MODEM

Each Modem can monitor 46pcs micro inverters or 92 SolarBox at the same time.



### Parameter

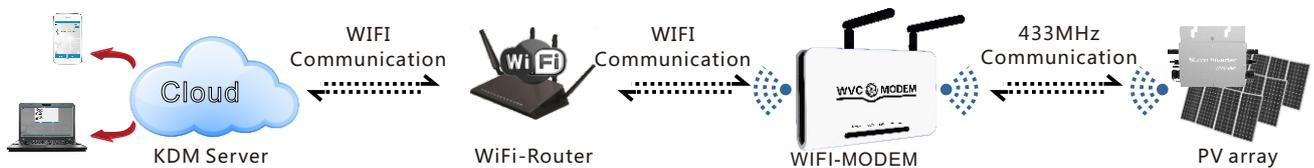
Input Voltage range	automatic shift 120/230V
Input frequency range	50/60Hz
Max Output Power	10Watt
G.W.	0.35KG
Size	160×100×32mm
Communication mode	433MHz+ WIFI
Transmission distance	1000M(open range)
Waterproof	IP23

WIFI-MODEM transfers the data from the inverter to KDM server via the internet, the client can manage the data sending and receiving, the power statistics and the error of the machine running state, which greatly improves the stability of the system.

**Remark: One MODEM can monitor 46 WVC inverters or 92 Solarbox at the same time.**

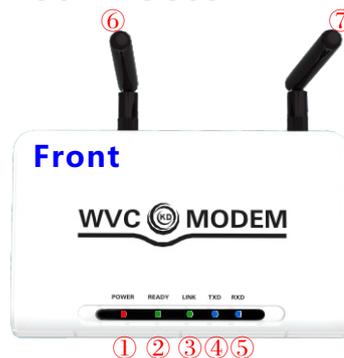
- Support all wvc series micro inverter
- Check the data by day, month or year
- Can be used by PC, mobile and PAD.
- Easy to use
- Dual antenna transceiver design
- Support local interview and remote control
- 433MHz+Wifi double modules
- Brief configuration interface, made the installation easier and faster
- Choose APP or Web

## Running Mode



## Diagram of indicator and connector

- ① Power lamp (bright)
- ② Working station indicator (blink)
- ③ Network connection signal (bright)
- ④ Sending data (blink)
- ⑤ receiving data (blink)
- ⑥ 433MHz antenna
- ⑦ WIFI antenna
- ⑧ Reset
- ⑨ Power input port



Back

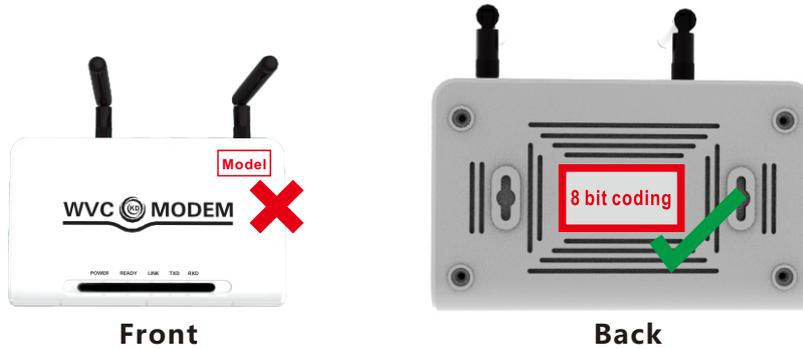




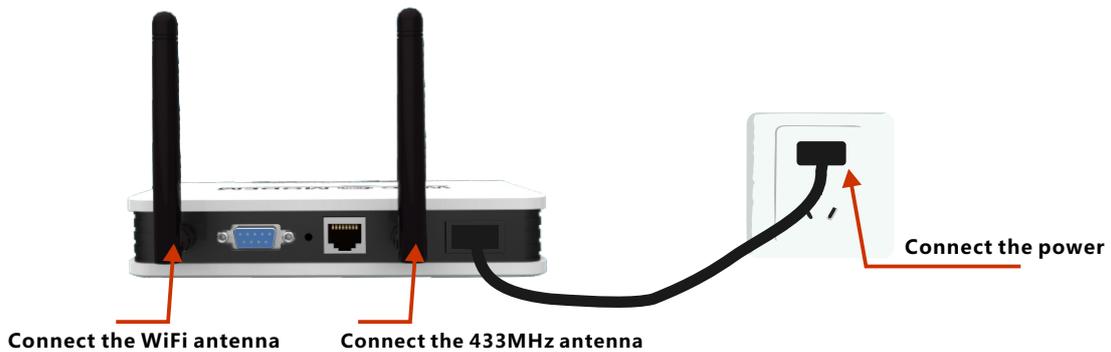
## WiFi-Modem Installation guide(WiFi only)

### Ready to work

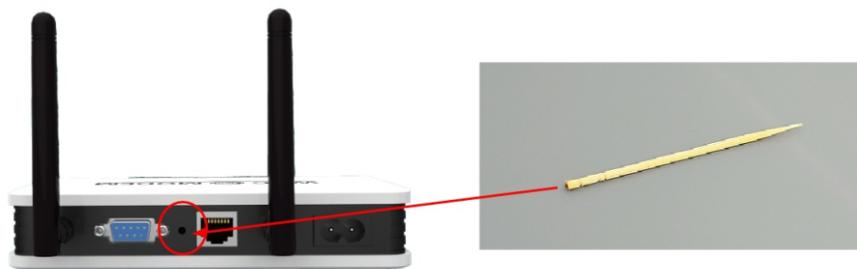
Check if there is a sticker on the back of the Modem. If there is no label or the code is unclear, please contact the manufacturer; the location of the label is as shown below (copy the 8-digit code for backup)



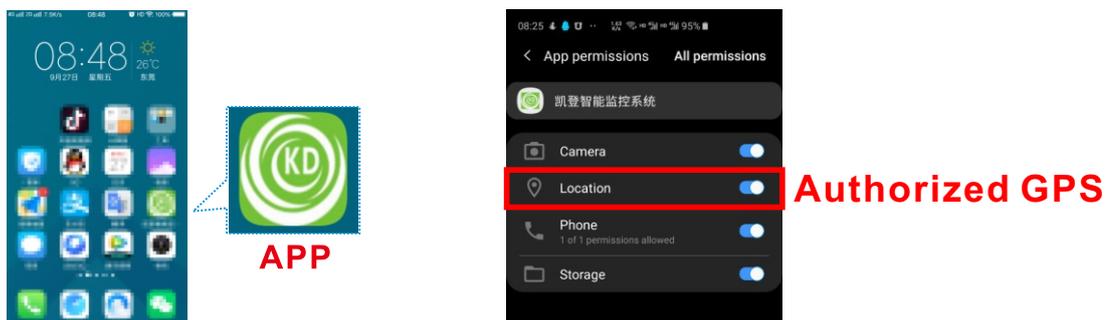
Tighten the two antennas of the Modem in order, then connect the power cord and power it on.



Prepare a toothpick (or any replacement that can be inserted into the reset hole)



Install the App client on the mobile phone (the first time the mobile phone APP is installed, you will be prompted to open the positioning function. For details, please follow the mobile phone prompts)



## APP Phone Settings :

A) Please visit our company's official website to download the kaideng-app.apk app and install it on your Android phone, then click the Kaideng app to enter the login interface, then click the collector to initialize.As shown in Figure 1:

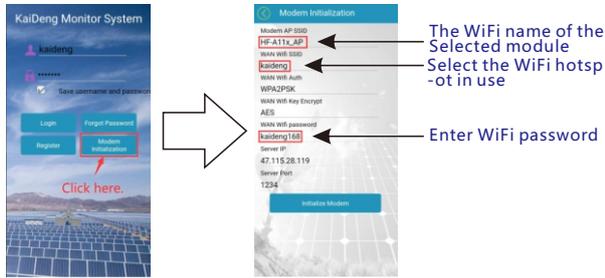


Figure 1

Figure 2

B) As shown in Figure 2, click the red circle to select HF-A11x\_AP in the AP SSID of the collector, click the company WiFi SSID to select the WiFi network name in your home, and enter the password in the WiFi password.

C) After all are entered, first select the drop-down menu of the mobile phone and long press the network to select the HF-A11x\_AP connection, as shown in Figure 3, and close the data connection of the mobile phone, as shown in Figure 4:

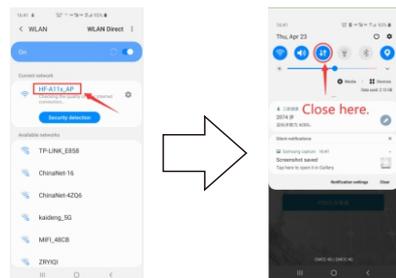


Figure3

Figure4

D) After all are entered, first select the drop-down menu of the mobilephone and long press the network to select the HF-A11x\_AP connection, as shown in Figure 3, and close the data connection of the mobile phone, as shown in Figure 4:

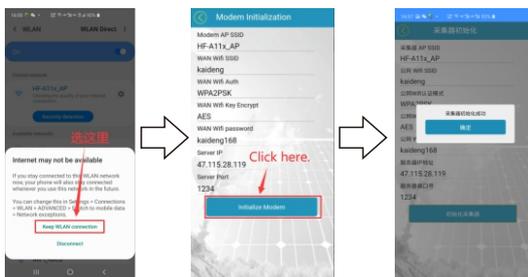


Figure5

Figure6

Figure7

E) Most smartphones automatically select a network. When the connected network pops up and there is no Internet access signal, be sure to choose to keep connected to ensure that the initialization is carried out smoothly, as shown in Figure 5, and the initialization is completed at the last point, as shown in Figure 6 As shown.

**Note:** Because HF-A11x\_AP is not connected to the Internet, the Android phone will automatically disconnect the network, which will make our initialization unsuccessful. Please find the automatic switching function in the Android phone's system settings and turn it off.

## Computer Settings :

A) Click on the computer to connect to the WiFi network of HF-A11x\_AP as shown in Figure 8, open the browser in the computer, enter the IP address: 10.10.100.254, enter in the name: admin, enter in the password field: admin.

As Shown in Figure 9:



Figure8

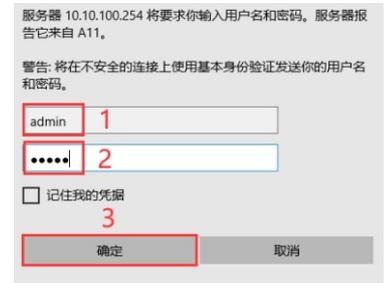


Figure9

1. Select STA mode on Mode Selection, as shown in Figure 10:
2. Click Search on the STA Interface Setting to search the network as shown in Figure 11:

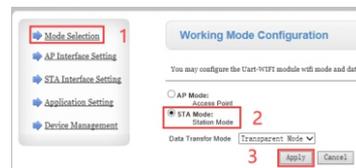


Figure10

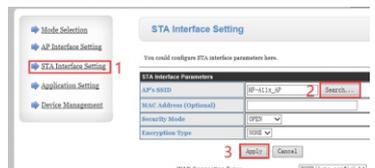


Figure11

3. Select your own network in the searched network list as shown in Figure 12:
4. Click Search on the STA Interface Setting to search the network, and enter the password in the Pass Phrase and click Apply, as shown in Figure 13:

Index	SSID	Auth	Mode	Priority	Encryption	Protocol
1	ChinaNet-CTCC	WPA2PSK	Infrastructure	1	AES	WPA2PSK
2	ChinaNet-CTCC	WPA2PSK	Infrastructure	2	TKIP	WPA2PSK
3	ChinaNet-CTCC	WPA2PSK	Infrastructure	3	TKIP	WPA2PSK
4	ChinaNet-CTCC	WPA2PSK	Infrastructure	4	TKIP	WPA2PSK
5	ChinaNet-CTCC	WPA2PSK	Infrastructure	5	AES	WPA2PSK
6	ChinaNet-CTCC	WPA2PSK	Infrastructure	6	AES	WPA2PSK
7	ChinaNet-CTCC	WPA2PSK	Infrastructure	7	AES	WPA2PSK
8	ChinaNet-CTCC	WPA2PSK	Infrastructure	8	AES	WPA2PSK
9	ChinaNet-CTCC	WPA2PSK	Infrastructure	9	AES	WPA2PSK
10	ChinaNet-CTCC	WPA2PSK	Infrastructure	10	AES	WPA2PSK
11	ChinaNet-CTCC	WPA2PSK	Infrastructure	11	AES	WPA2PSK
12	ChinaNet-CTCC	WPA2PSK	Infrastructure	12	AES	WPA2PSK
13	ChinaNet-CTCC	WPA2PSK	Infrastructure	13	AES	WPA2PSK
14	ChinaNet-CTCC	WPA2PSK	Infrastructure	14	AES	WPA2PSK
15	ChinaNet-CTCC	WPA2PSK	Infrastructure	15	AES	WPA2PSK
16	ChinaNet-CTCC	WPA2PSK	Infrastructure	16	AES	WPA2PSK
17	ChinaNet-CTCC	WPA2PSK	Infrastructure	17	AES	WPA2PSK
18	ChinaNet-CTCC	WPA2PSK	Infrastructure	18	AES	WPA2PSK
19	ChinaNet-CTCC	WPA2PSK	Infrastructure	19	AES	WPA2PSK
20	ChinaNet-CTCC	WPA2PSK	Infrastructure	20	AES	WPA2PSK
21	ChinaNet-CTCC	WPA2PSK	Infrastructure	21	AES	WPA2PSK
22	ChinaNet-CTCC	WPA2PSK	Infrastructure	22	AES	WPA2PSK
23	ChinaNet-CTCC	WPA2PSK	Infrastructure	23	AES	WPA2PSK
24	ChinaNet-CTCC	WPA2PSK	Infrastructure	24	AES	WPA2PSK
25	ChinaNet-CTCC	WPA2PSK	Infrastructure	25	AES	WPA2PSK
26	ChinaNet-CTCC	WPA2PSK	Infrastructure	26	AES	WPA2PSK
27	ChinaNet-CTCC	WPA2PSK	Infrastructure	27	AES	WPA2PSK
28	ChinaNet-CTCC	WPA2PSK	Infrastructure	28	AES	WPA2PSK
29	ChinaNet-CTCC	WPA2PSK	Infrastructure	29	AES	WPA2PSK
30	ChinaNet-CTCC	WPA2PSK	Infrastructure	30	AES	WPA2PSK
31	ChinaNet-CTCC	WPA2PSK	Infrastructure	31	AES	WPA2PSK
32	ChinaNet-CTCC	WPA2PSK	Infrastructure	32	AES	WPA2PSK
33	ChinaNet-CTCC	WPA2PSK	Infrastructure	33	AES	WPA2PSK
34	ChinaNet-CTCC	WPA2PSK	Infrastructure	34	AES	WPA2PSK
35	ChinaNet-CTCC	WPA2PSK	Infrastructure	35	AES	WPA2PSK
36	ChinaNet-CTCC	WPA2PSK	Infrastructure	36	AES	WPA2PSK
37	ChinaNet-CTCC	WPA2PSK	Infrastructure	37	AES	WPA2PSK
38	ChinaNet-CTCC	WPA2PSK	Infrastructure	38	AES	WPA2PSK
39	ChinaNet-CTCC	WPA2PSK	Infrastructure	39	AES	WPA2PSK
40	ChinaNet-CTCC	WPA2PSK	Infrastructure	40	AES	WPA2PSK
41	ChinaNet-CTCC	WPA2PSK	Infrastructure	41	AES	WPA2PSK
42	ChinaNet-CTCC	WPA2PSK	Infrastructure	42	AES	WPA2PSK
43	ChinaNet-CTCC	WPA2PSK	Infrastructure	43	AES	WPA2PSK
44	ChinaNet-CTCC	WPA2PSK	Infrastructure	44	AES	WPA2PSK
45	ChinaNet-CTCC	WPA2PSK	Infrastructure	45	AES	WPA2PSK
46	ChinaNet-CTCC	WPA2PSK	Infrastructure	46	AES	WPA2PSK
47	ChinaNet-CTCC	WPA2PSK	Infrastructure	47	AES	WPA2PSK
48	ChinaNet-CTCC	WPA2PSK	Infrastructure	48	AES	WPA2PSK
49	ChinaNet-CTCC	WPA2PSK	Infrastructure	49	AES	WPA2PSK
50	ChinaNet-CTCC	WPA2PSK	Infrastructure	50	AES	WPA2PSK

Figure12

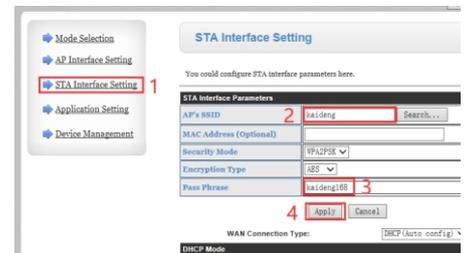


Figure13

5. In Application Setting, select Mode as Client> enter Port 1234> enter Server Address 47.115.28.119> click Apply to confirm as shown in Figure 14:
6. Restart the device in Device Management to complete the settings as shown in Figure 15:

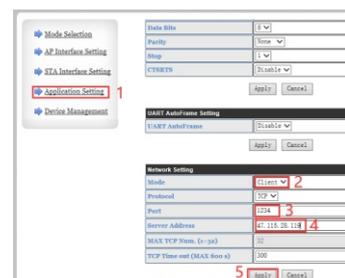


Figure14

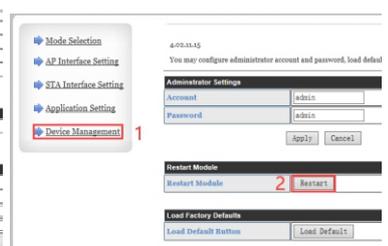


Figure15

# WVC Series micro inverter

## Use of APP :

Please visit our company's official website to download the kaideng-app.apk app and install it on your Android phone, then click the Kaideng app to enter the login interface, click to register a new account, then click to log in to the power station interface and click Add Power Station As shown on the right.



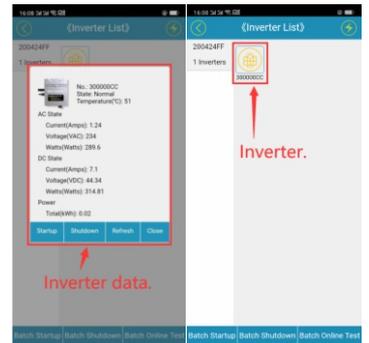
Add the inverter to the inverter addition page, enter the inverter code in the Inverter Code field, and then click Single Add to complete the addition of the inverter, as shown on the left.



Address information  
 "No" must be entered here  
 Found behind the collector  
 "1" must be entered here  
 Fill in the actual installed capacity  
 Click here to complete

Please enter each item related to the power station, select "No" in the option of whether there is an electric box, fill in the number in the bar code behind the collector in the option of the collector, enter "1" in the calculation ratio, the other according to the actual Just enter.

The pictures on the right are "Inverter Data Detail Page" and "Inverter List Page". To view the data details of a single inverter, click the icon in the inverter list to open the inverter data Details.



## Immediately monitor your power plant and keep track of your power plant data :

