

Ginlong Software(PV) User Manual

(Rev. 0.2)

1. Hardware list

Ginlong Inverter, RS485 Cable, PC, RS485/RS232 Converter.



Picture 1. Ginlong Inverter



Picture 2. RS485 Cable



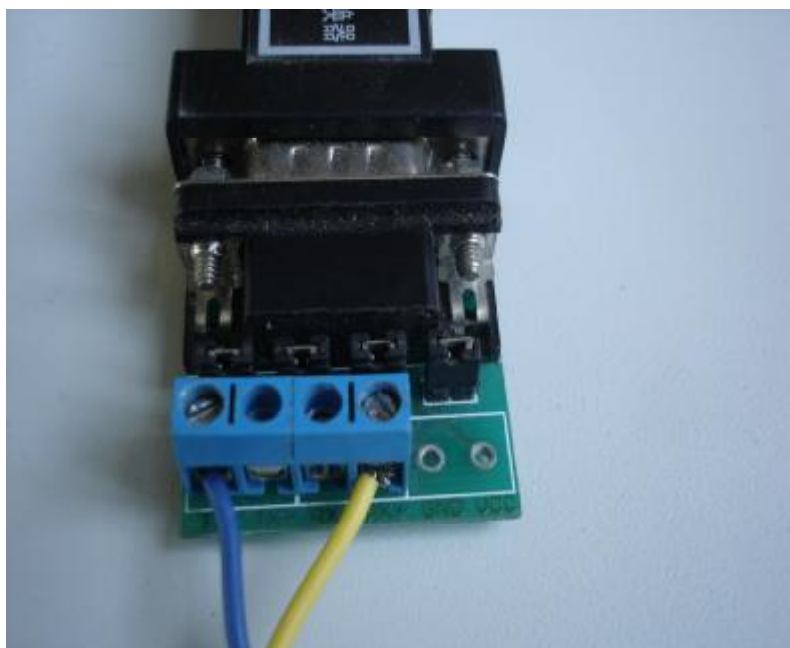
Picture 3. RS485/RS232 Converter



Picture 4. PC

2. How to establish a connection between inverter and PC

As shown in picture 1, connect RS485 cable to the COM interface on the Ginlong inverter. The other end of RS485 cable needs to be connected with RS485/RS232 converter. There are two RS 485 cables with different color (yellow and blue); the yellow one needs to be connected with RX + and the blue one to TX- as below in picture 5. Finally, plug Connect RS485/RS232 converter into the PC as below showed in picture 6 and make sure all of the connections are OK.



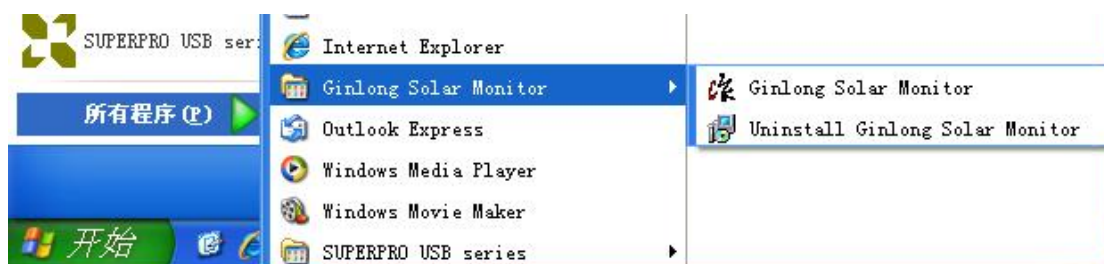
Picture 5. RS 485 cable with RS485/RS232 Converter



Picture 6. RS485/RS232 Converter connected with PC

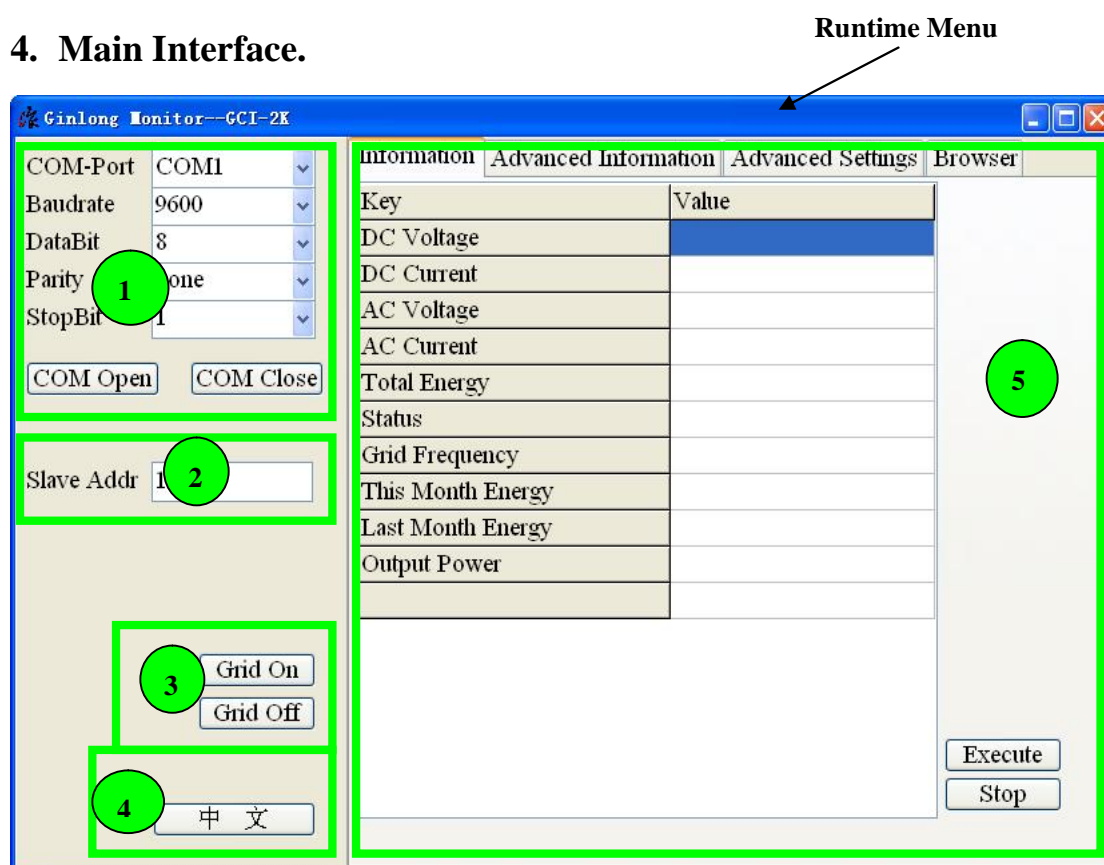
3. Start with Ginlong Monitor Software

Double click the icon of Ginlong Monitor to start to run Ginlong software as showed below.



Picture 7. Start Ginlong software

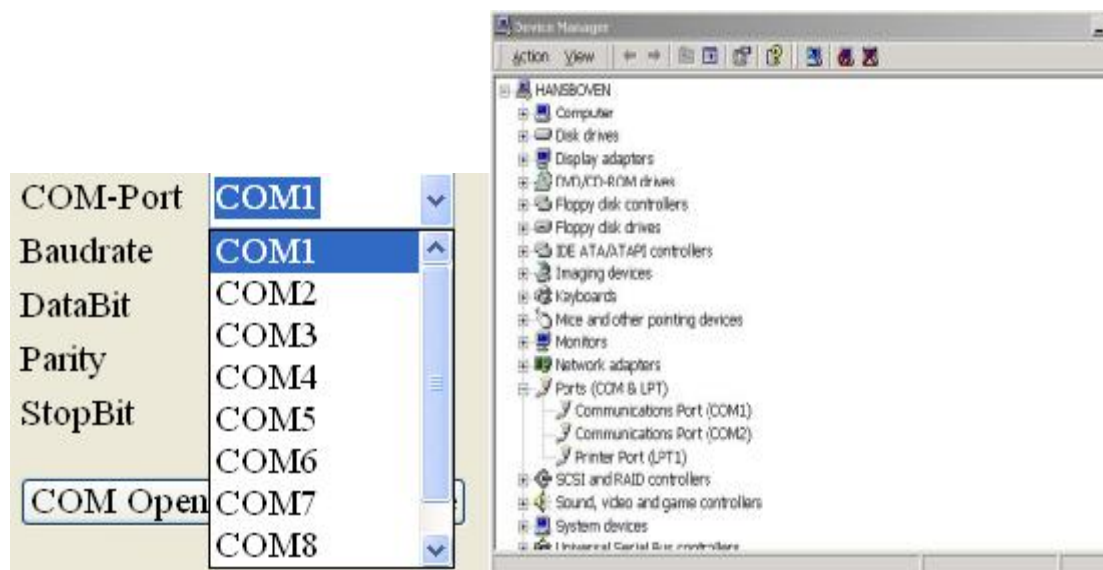
4. Main Interface.



Picture 8. Software main interface

1 **COM-Port configuration:**

Choose the correct COM-port as the same as the port which RS485/RS232 Converter connected with, then click “Com Open” to open the serial port. If you want to switch to another serial port, please click “Com Close” to close the existing serial port first, and then choose and open another serial port which the converter connect with.



2

Slave Address :

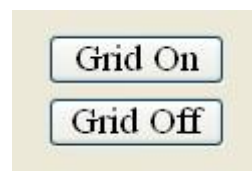
After step 1, please set the slave address, the slave address must be as the same as the slave address in the inverter which you connected. The default value in the inverter is "01". You can change the slave address in the Ginlong inverter between "00" and "99", and set the corresponding address in the software to match with the inverter.



3

Grid control:

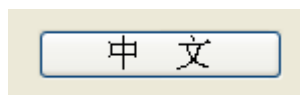
If you want to do the advanced settings (e.g. power curve settings, standards selection, etc), please click the "Grid Off" before you do any setting. After setting is done, click "Grid On" and check the information you set.



4

Language:

This button is used to select the right language of the software.



5

System information and settings:

The user can check the inverter's information and status as below.

Information		Advanced Information	Advanced Settings	B.
Key	Value			
DC Voltage				
DC Current				
AC Voltage				
AC Current				
Total Energy				
Status				
Grid Frequency				
This Month Energy				
Last Month Energy				
Output Power				

After the slave address and COM-Port both set successfully, click“**Execute**” to receive the information from the inverter.



5. How to use the Advanced Information and Advanced Setting

1) How to use the Advanced Information:

Click the **Advanced Information** and **Advanced Settings**; you will see that you need **Advanced Password**.

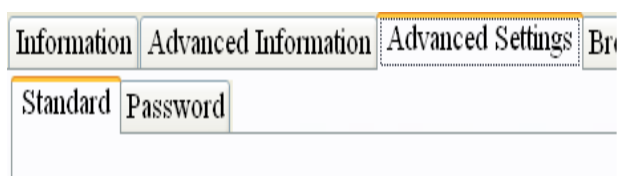
Advanced Password

The initial password is either“**00000000**” or “**0010**”.

Information	Advanced Information	Advance
Key	Value	
Inverter Temperature		
Error Code		
Model		
Software Version		
Standard		

2) How to use the Advanced Settings

The password is either “00000000” or “0010”.



The screenshot shows a menu with four tabs: "Information", "Advanced Information", "Advanced Settings", and "Br". The "Advanced Settings" tab is selected. Below the tabs, there are two sub-tabs: "Standard" and "Password". The "Standard" sub-tab is currently active.

I Standard:

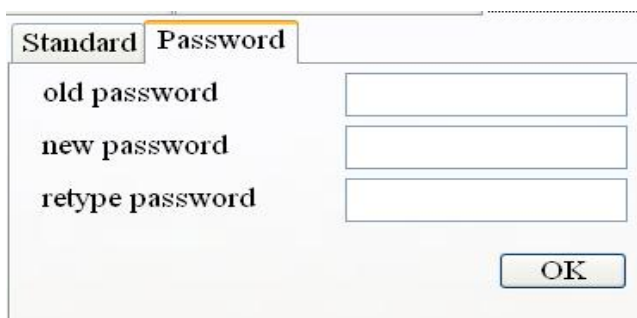
Firstly set the “grid off” as in Chapter 4, and then you can choose the “Standard Version”, click “Execute”, then “Grid On”. In the advanced information, you will see the Standard Version had been changed.



The screenshot shows a dropdown menu for "Standard Version". The current selection is "G83". Other options listed are "UL1741", "VDE0126", and "AS4777". An "Execute" button is visible to the right of the dropdown.

I Password:

In this section, you can change the “Advanced Password”.



The screenshot shows a dialog box for changing the password. It has two tabs: "Standard" and "Password". The "Password" tab is selected. There are three input fields labeled "old password", "new password", and "retype password". An "OK" button is located at the bottom right.

6. Browser.

In this panel, you can browse the Web.

