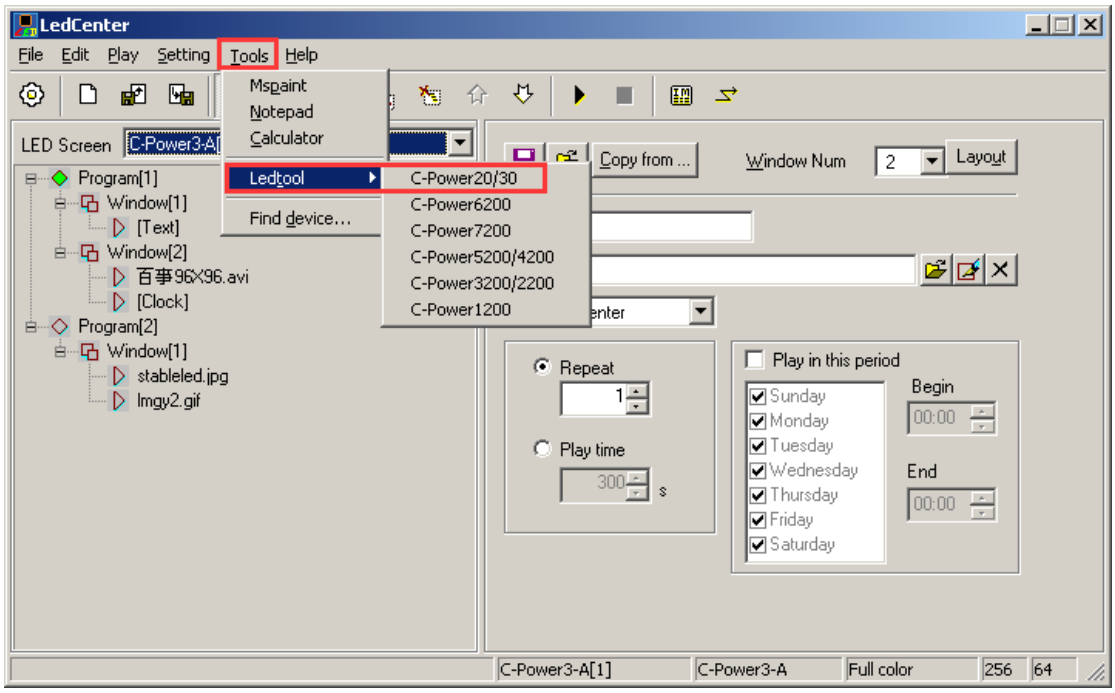
Instruction for C-Power20/30 Ledtool

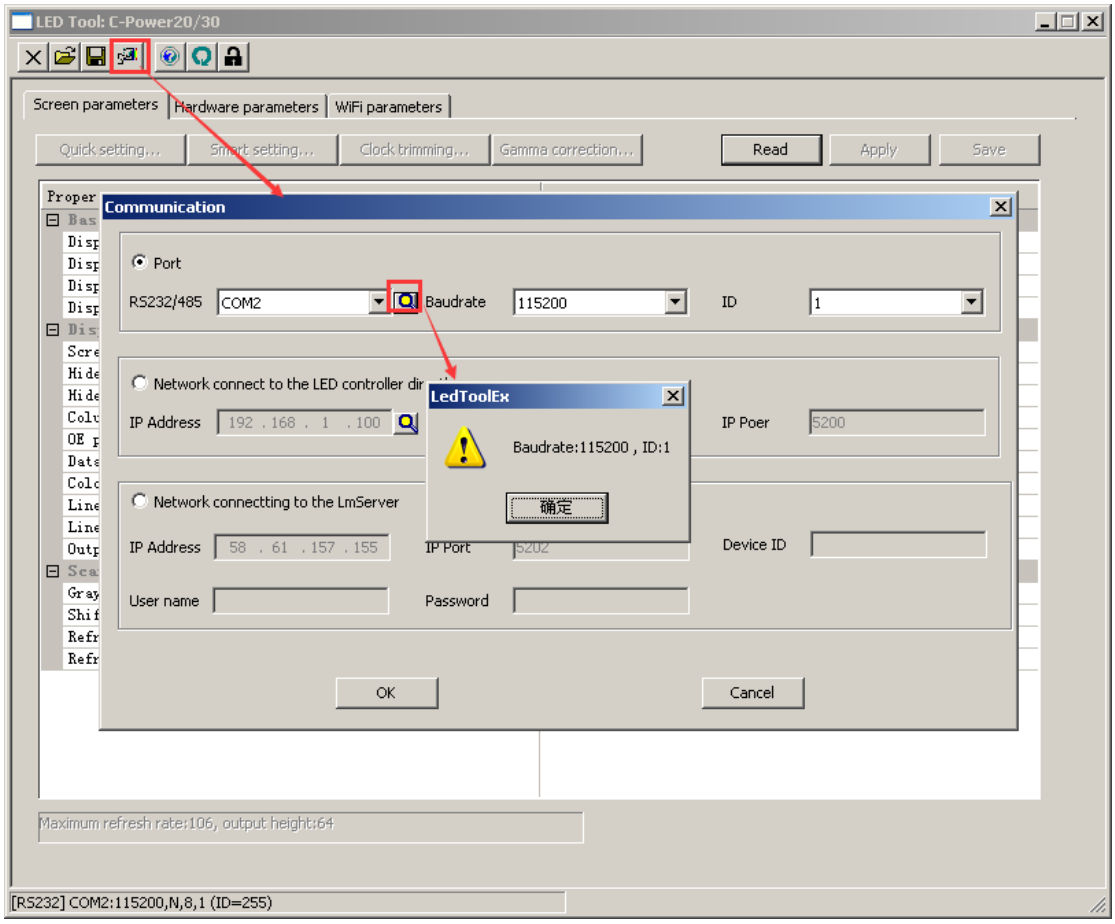
(1) Enter into the “Ledtool” parameters settings interface

Open the software “LedCenterM.exe” of version 5.3.1,
find “Tools”—“Ledtool”—“C-Power20/30”, entry the parameter settings interface, as the following picture showed:



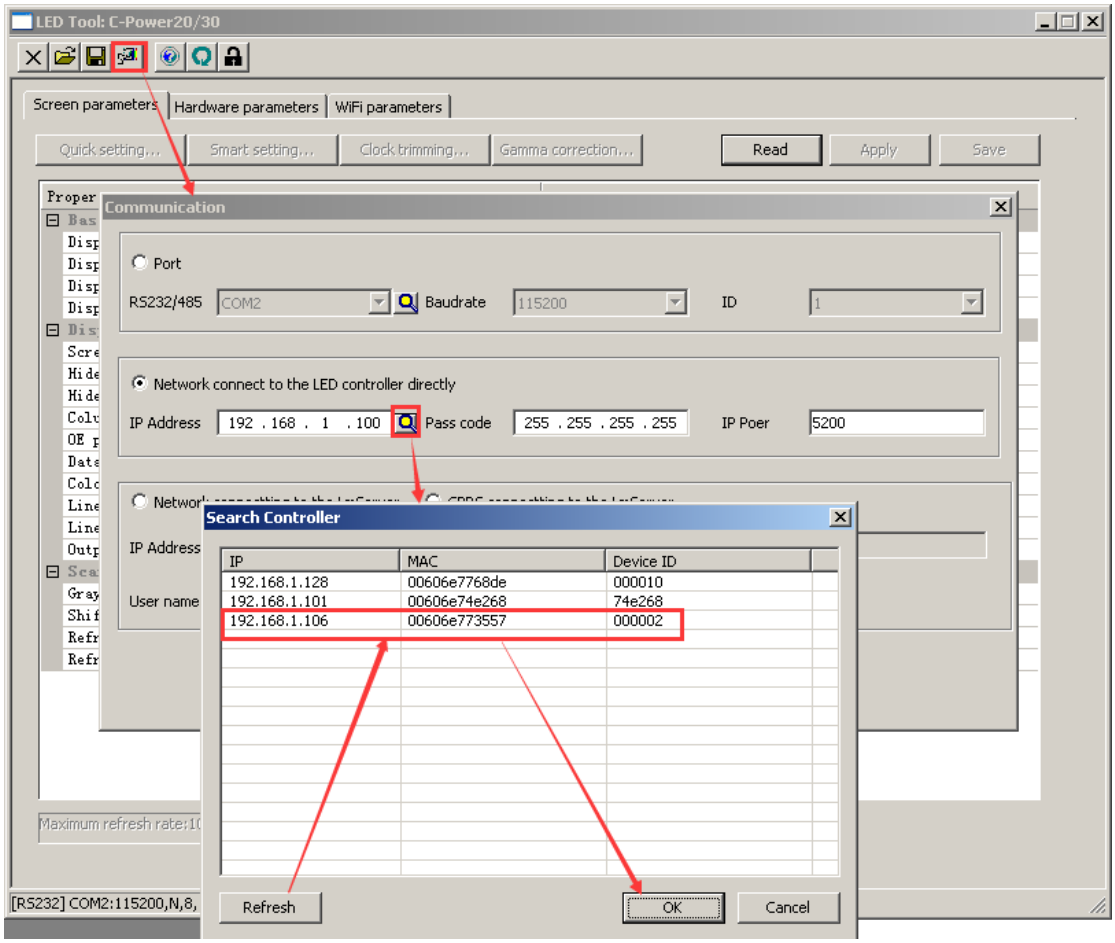
(2) Select the communication mode

1. Serial port communication mode (RS232/485): select your computer’s COM port which is connecting to your controller, click to auto-detect the controller’s Baudrate and ID, controller’s controllers’ original parameter is : Baud rate is 115200, ID is 1, finish your selection then click “OK”.



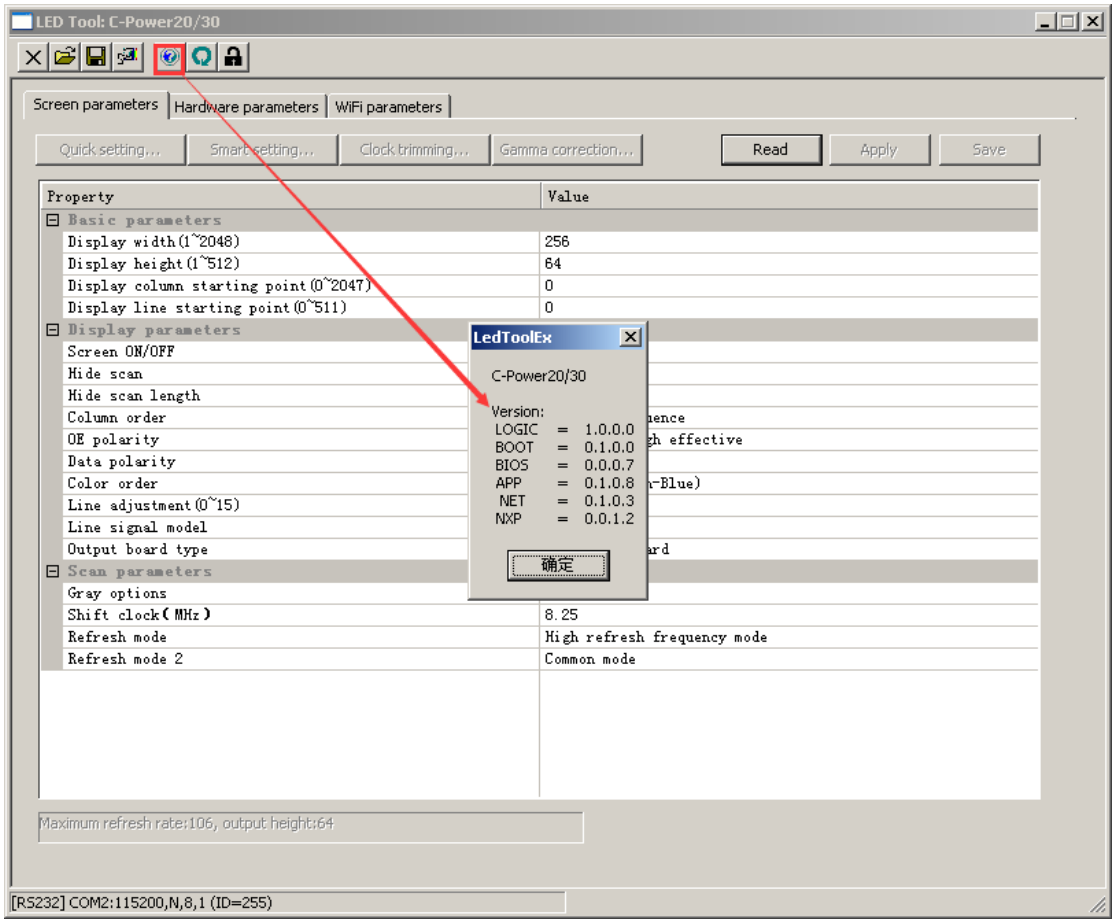
2. Network communication way: select “network”, click the search button , search the controllers connecting on the network, click “refresh”, will see all the controllers connecting on the network. Finish your selection and click “OK”

Controller’s original parameter is: IP Address： 192.168.1.222， Pass Code：255.255.255.255，IP Port：5200



(3) Read the controller's firmware version

After you have selected your communication way, click "Check Version" button , then it will show the controller's firmware version information.

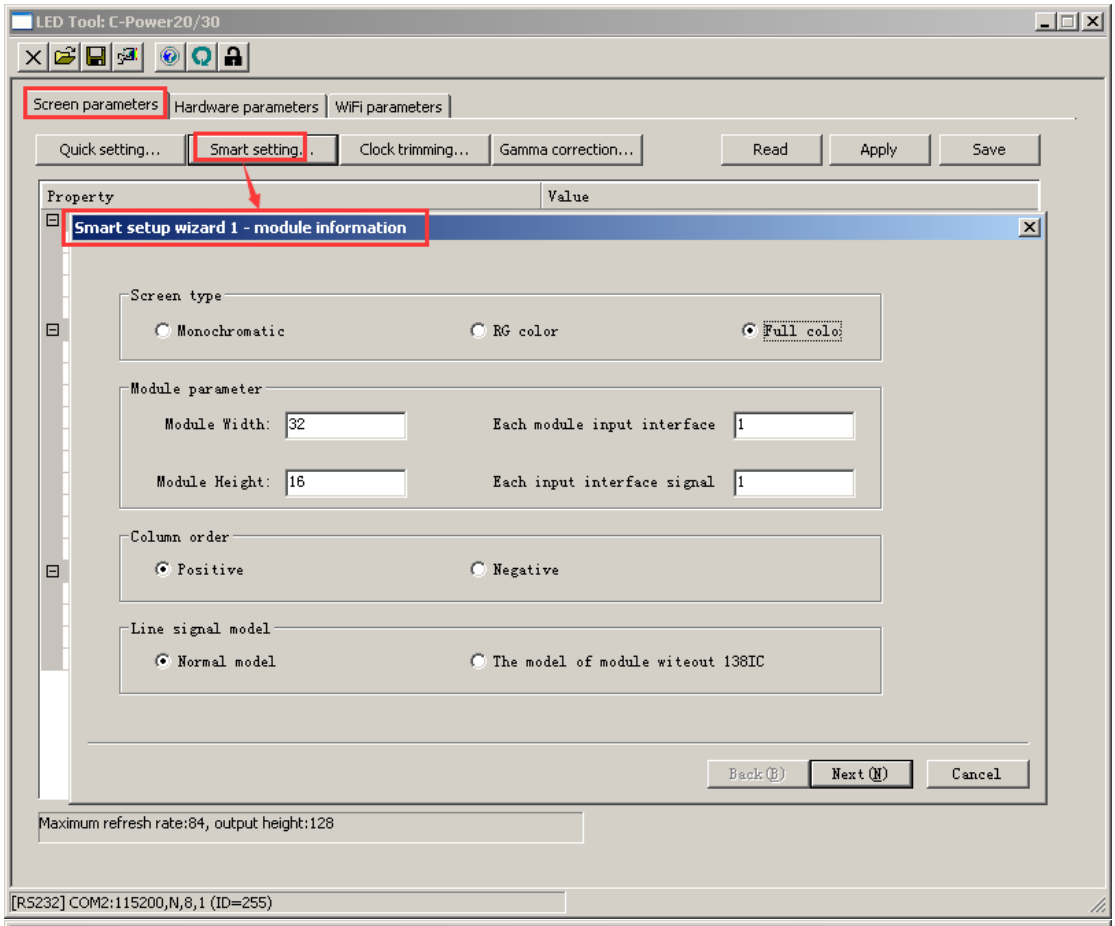


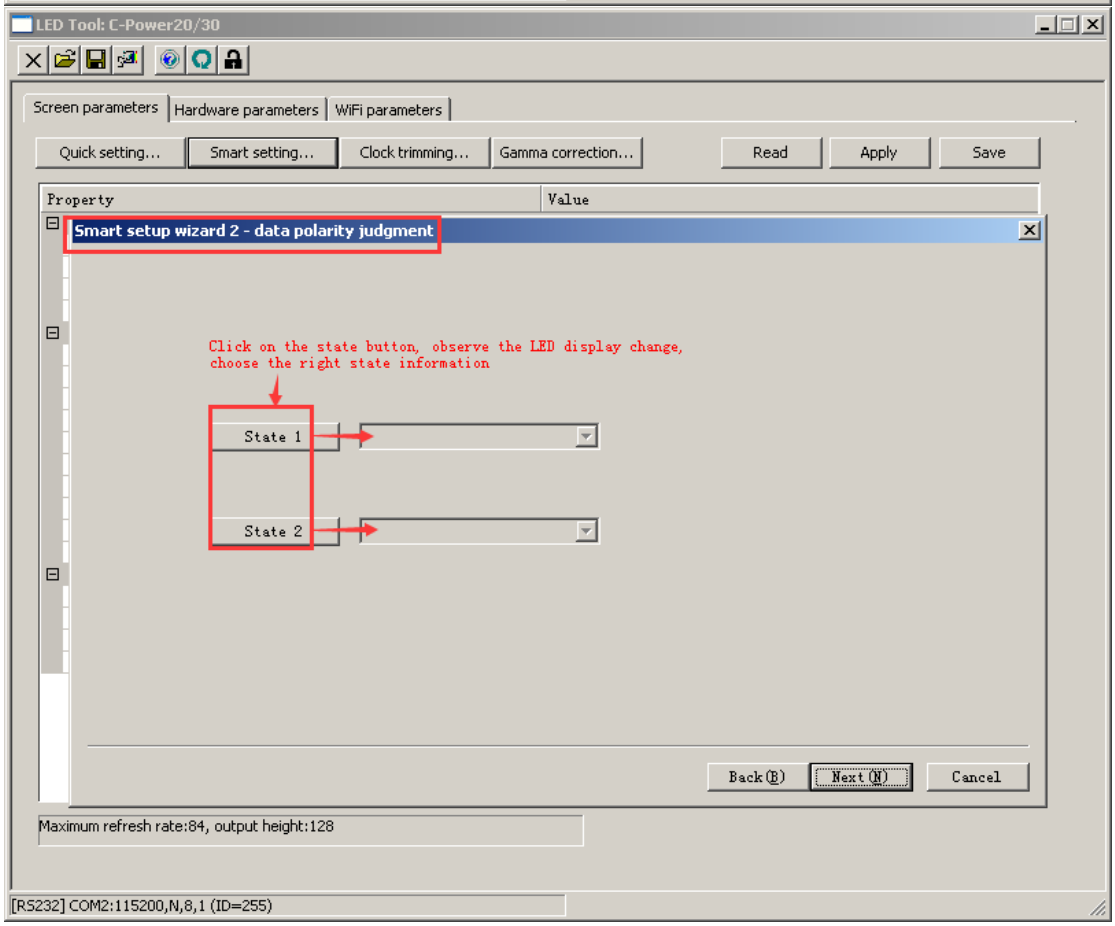
(4) Screen parameters setting

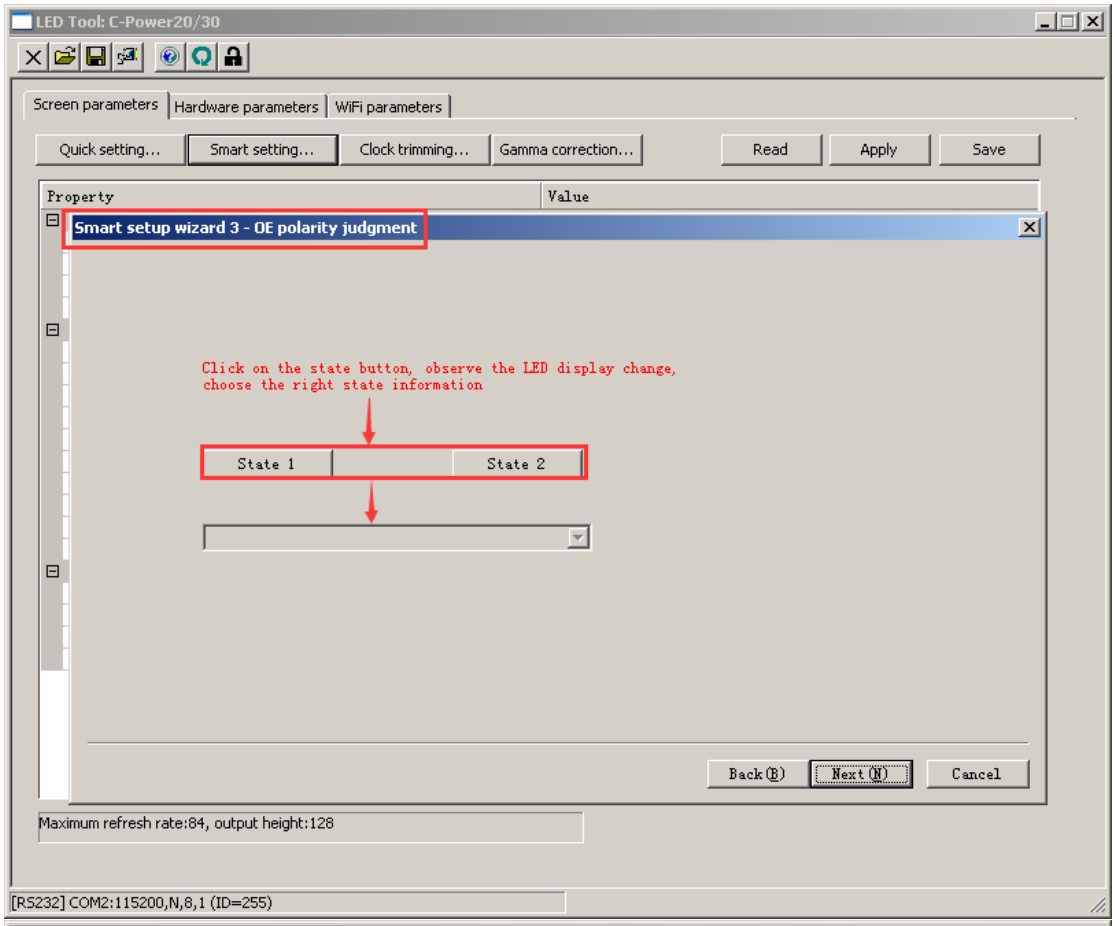
1. before the screen's parameters are able to be reset. It needs to "read" from the controller at first, then click "Advance", Pass code is "26888".

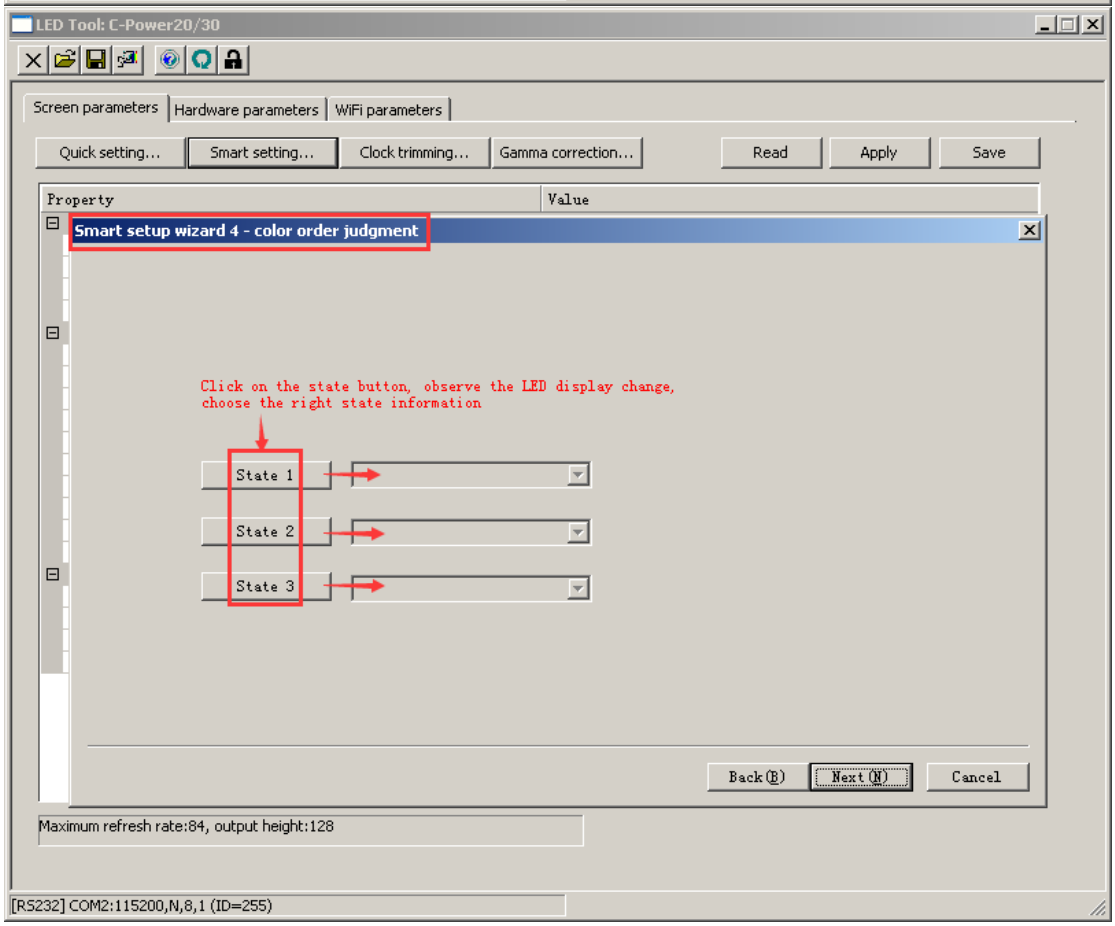
2. Smart setting

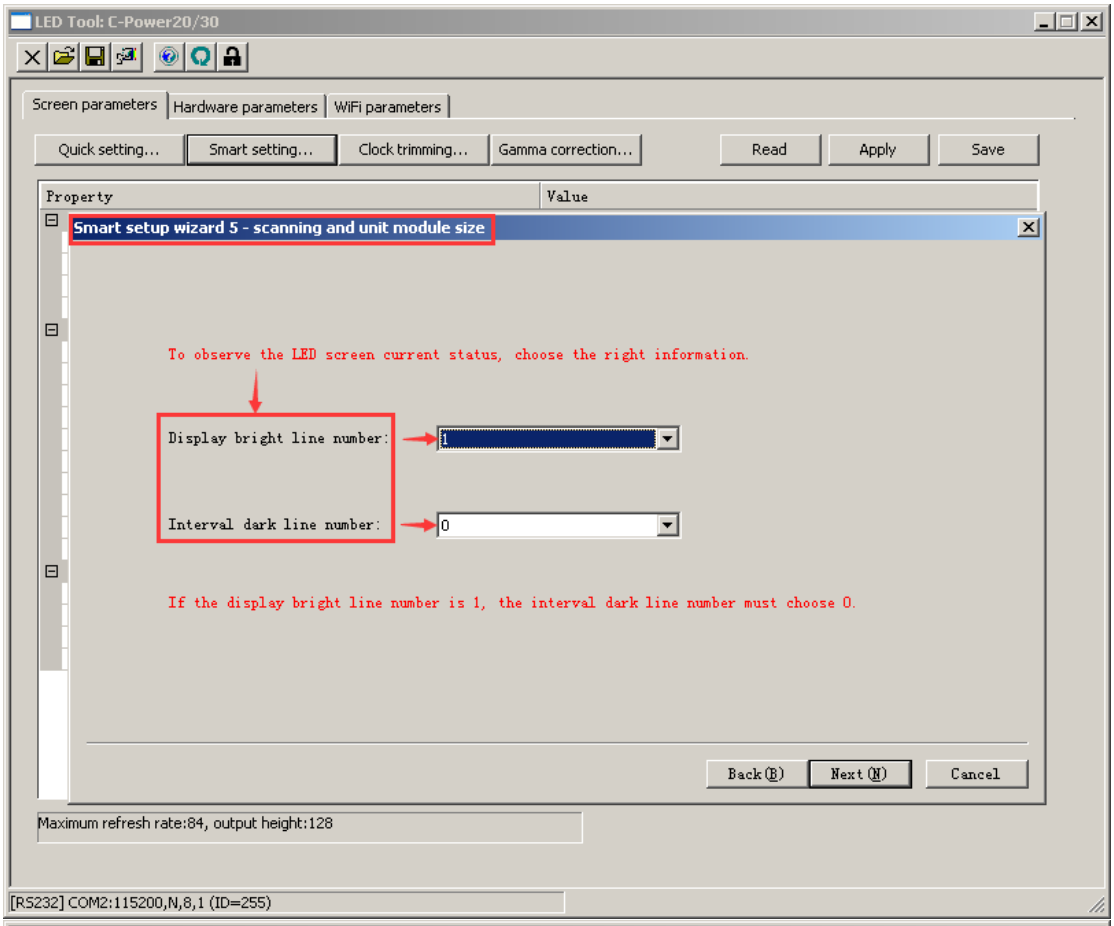
Steps as follow picture showed:

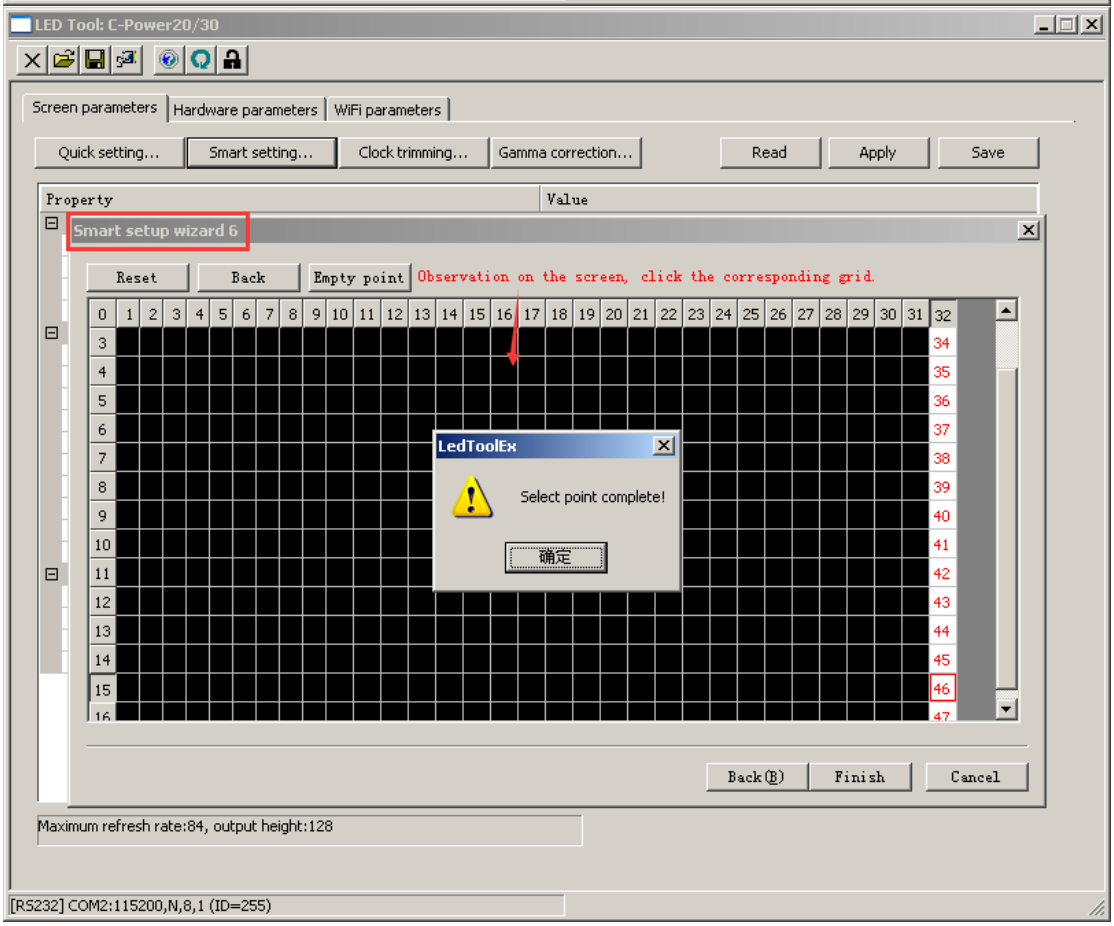

LED Tool: C-Power20/30
Screen parameters
Hardware parameters
WiFi parameters
Quick setting...
Smart setting...
Clock trimming...
Gamma correction...
Read
Apply
Save
Property
Value
Smart setup wizard 1 - module information
Screen type
Monochromatic
RG color
Full colo
Module parameter
Module Width:
32
Each module input interface
1
Module Height:
16
Each input interface signal
1
Column order
Positive
Negative
Line signal model
Normal model
The model of module witeout 138IC
Back(B)
Next(N)
Cancel
Maximum refresh rate:84, output height:128
[RS232] COM2:115200,N,8,1 (ID=255)

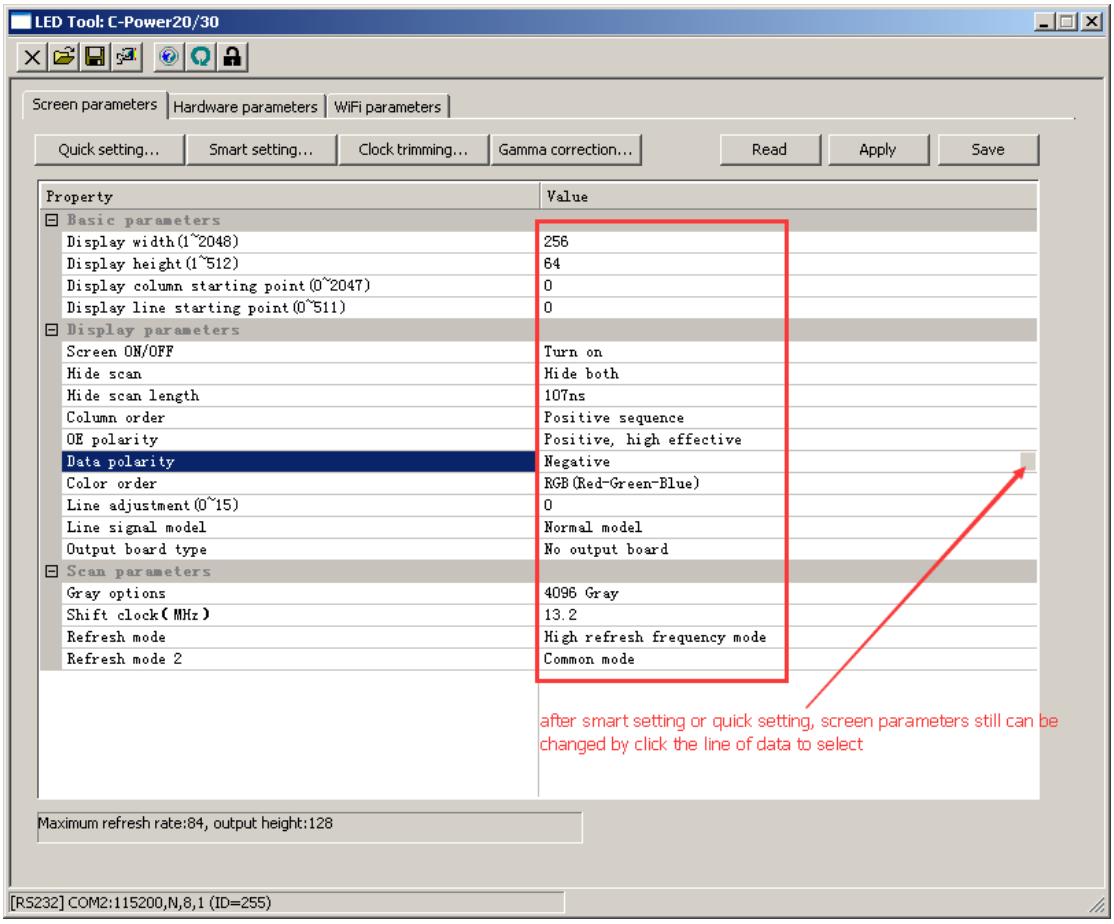

LED Tool: C-Power20/30
Screen parameters
Hardware parameters
WiFi parameters
Quick setting...
Smart setting...
Clock trimming...
Gamma correction...
Read
Apply
Save
Property
Value
Smart setup wizard 2 - data polarity judgment
Click on the state button, observe the LED display change,
choose the right state information
State 1
State 2
Back(B)
Next(N)
Cancel
Maximum refresh rate:84, output height:128
[RS232] COM2:115200,N,8,1 (ID=255)


LED Tool: C-Power20/30
Screen parameters
Hardware parameters
WiFi parameters
Quick setting...
Smart setting...
Clock trimming...
Gamma correction...
Read
Apply
Save
Property
Value
Smart setup wizard 3 - OE polarity judgment
Click on the state button, observe the LED display change, choose the right state information
State 1
State 2
Back(B)
Next(N)
Cancel
Maximum refresh rate:84, output height:128
[RS232] COM2:115200,N,8,1 (ID=255)


LED Tool: C-Power20/30
Screen parameters
Hardware parameters
WiFi parameters
Quick setting...
Smart setting...
Clock trimming...
Gamma correction...
Read
Apply
Save
Property
Value
Smart setup wizard 4 - color order judgment
Click on the state button, observe the LED display change, choose the right state information
State 1
State 2
State 3
Back(B)
Next(N)
Cancel
Maximum refresh rate:84, output height:128
[RS232] COM2:115200,N,8,1 (ID=255)


LED Tool: C-Power20/30
Screen parameters
Hardware parameters
WiFi parameters
Quick setting...
Smart setting...
Clock trimming...
Gamma correction...
Read
Apply
Save
Property
Value
Smart setup wizard 5 - scanning and unit module size
To observe the LED screen current status, choose the right information.
Display bright line number:
1
Interval dark line number:
0
If the display bright line number is 1, the interval dark line number must choose 0.
Back(B)
Next(N)
Cancel
Maximum refresh rate:84, output height:128
[RS232] COM2:115200,N,8,1 (ID=255)

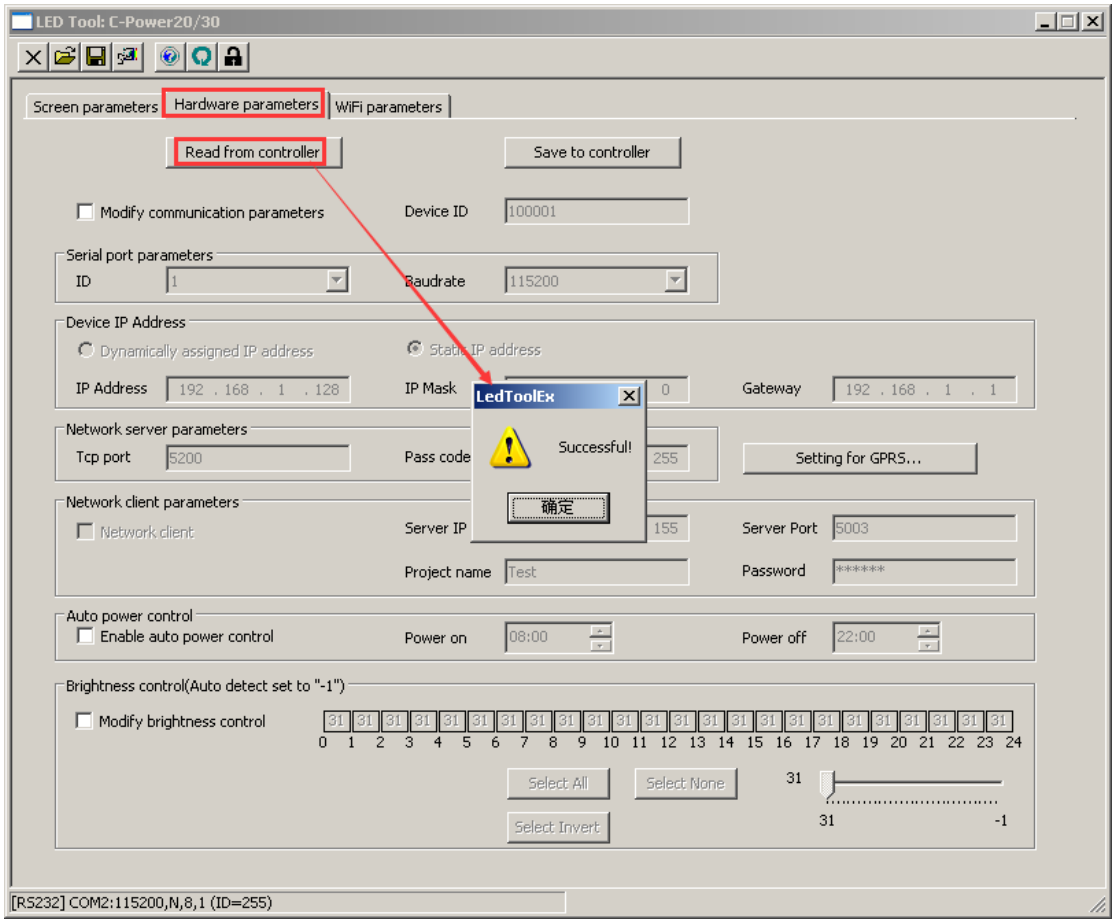

LED Tool: C-Power20/30
Screen parameters
Hardware parameters
WiFi parameters
Quick setting...
Smart setting...
Clock trimming...
Gamma correction...
Read
Apply
Save
Property
Value
Smart setup wizard 6
Reset
Back
Empty point
Observation on the screen, click the corresponding grid.
LedToolEx
Select point complete!
确定
Back(B)
Finish
Cancel
Maximum refresh rate:84, output height:128
[RS232] COM2:115200,N,8,1 (ID=255)



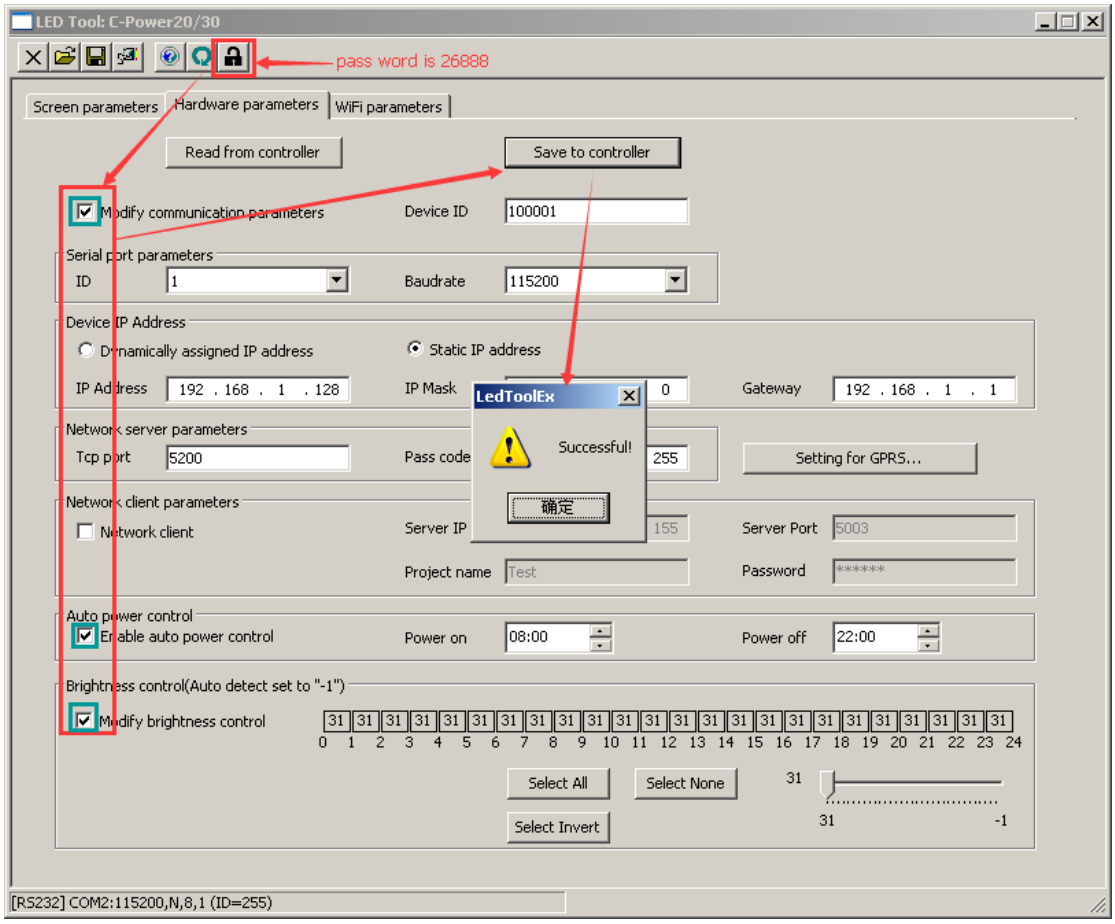
After setting, click “Apply” or “Save”.

(5) Hardware parameters interface setting

1. Read the hardware parameters from the controller, the controller’s original parameter is: Device ID: lumenchina，Device IP Address is a static IP address：192.168.1.222，IP Mask：255.255.255.0，Gateway：192.168.1.1；as the following picture showed：



2. The hardware parameters can be changed, click , pass word is “26888”, after resetting the data you want it to be, click “save to controller”, when it will show successful. As the following picture showed:



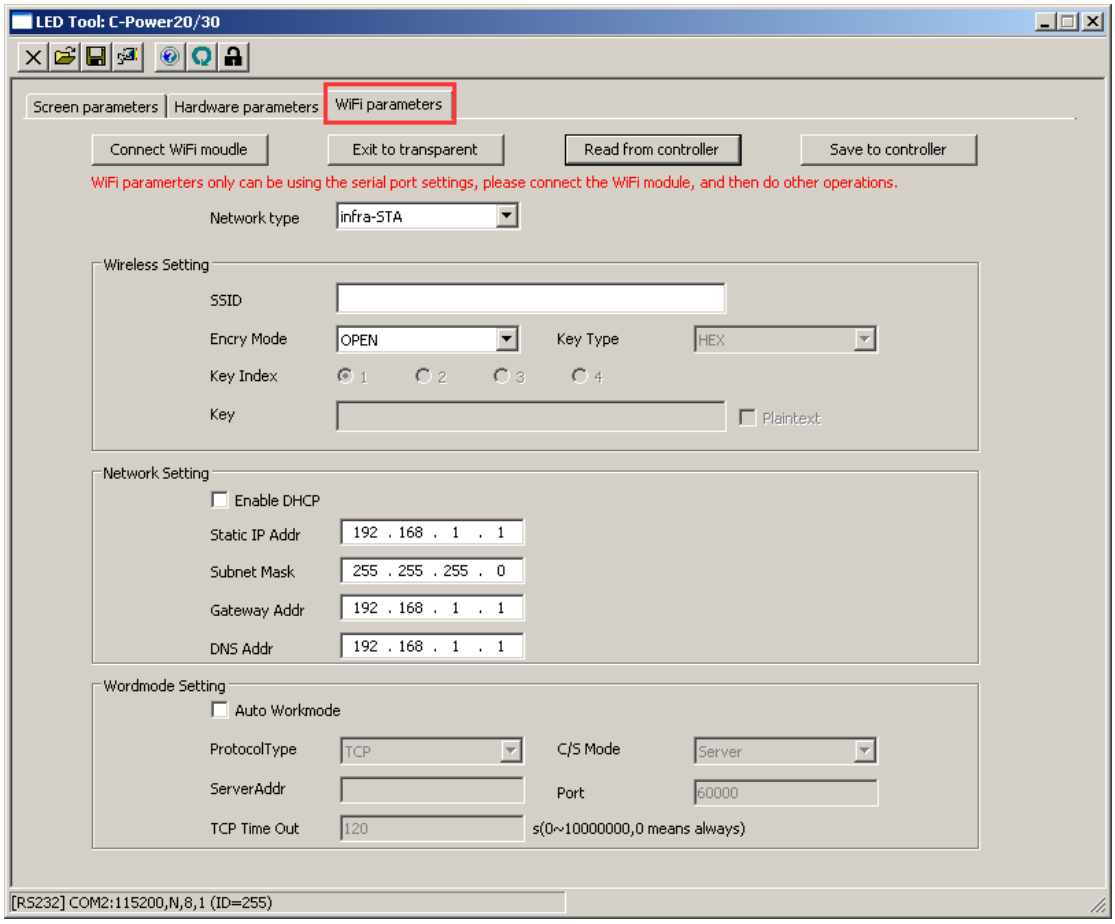
(6) WIFI parameters setting

The WIFI card can only use the serial port RS232/485 to communicate.

1. Use RS232 wire connect the com2 of the card, click

2. Connect the com1 of the card via serial cable, click

3. Then can read and set the WIFI parameters of the card; as follows:


LED Tool: C-Power20/30
Screen parameters
Hardware parameters
WiFi parameters
Connect WiFi moudle
Exit to transparent
Read from controller
Save to controller
WiFi parameters only can be using the serial port settings, please connect the WiFi module, and then do other operations.
Network type
infra-STA
Wireless Setting
SSID
Encry Mode
OPEN
Key Type
HEX
Key Index
1
2
3
4
Key
Plaintext
Network Setting
Enable DHCP
Static IP Addr
192 . 168 . 1 . 1
Subnet Mask
255 . 255 . 255 . 0
Gateway Addr
192 . 168 . 1 . 1
DNS Addr
192 . 168 . 1 . 1
Wordmode Setting
Auto Workmode
ProtocolType
TCP
C/S Mode
Server
ServerAddr
Port
60000
TCP Time Out
120
s(0~10000000,0 means always)
[RS232] COM2:115200,N,8,1 (ID=255)