

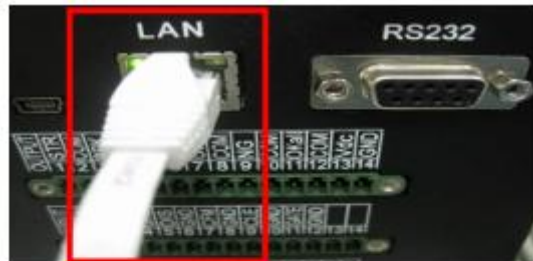
Ethernet Network Setup

Operation Manual

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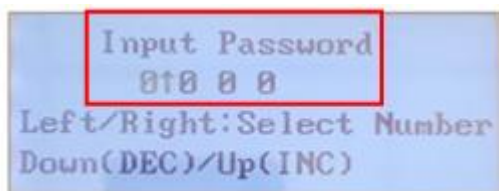
① Network Cable Connection Method

Step 1: Plug one end of the network cable into LAN Port. Plug the other end into PC network port. Then select LAN PORT according to equipment.

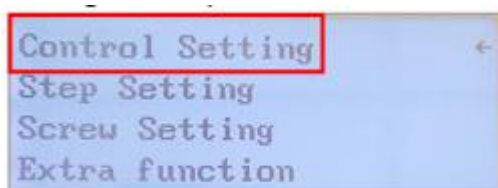


Step 2: Press and hold ESC for three seconds. Hear a beeper sound → Password verification page, enter password → Press Enter to prompt the setup page.

NOTE: Default password 0000



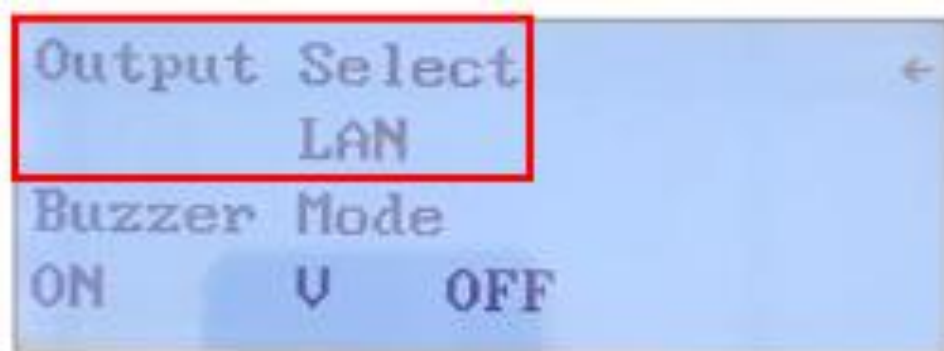
Step 3: Select Control Setting, then press Enter.



Step 4: Select Output Select → Press Enter → Press up arrow and down arrow (↑↓) to select LAN → Press Enter → Press ESC to exit home page.

● Select Output Select on SMT-C1 interface → Select LAN

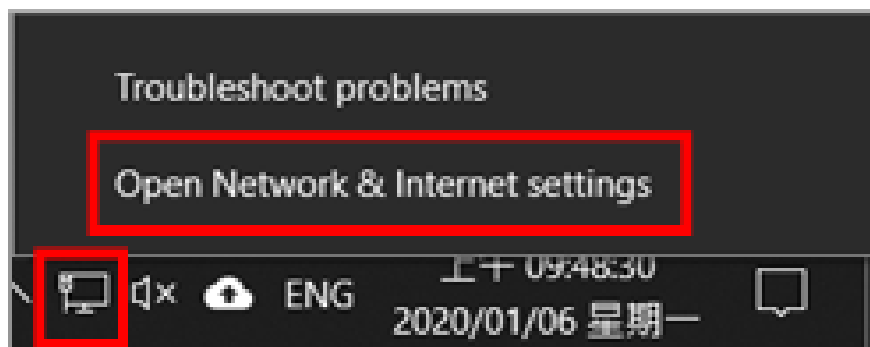
NOTE: Setup is required on SMT-C1 setup interface, otherwise, it will not transmit data.



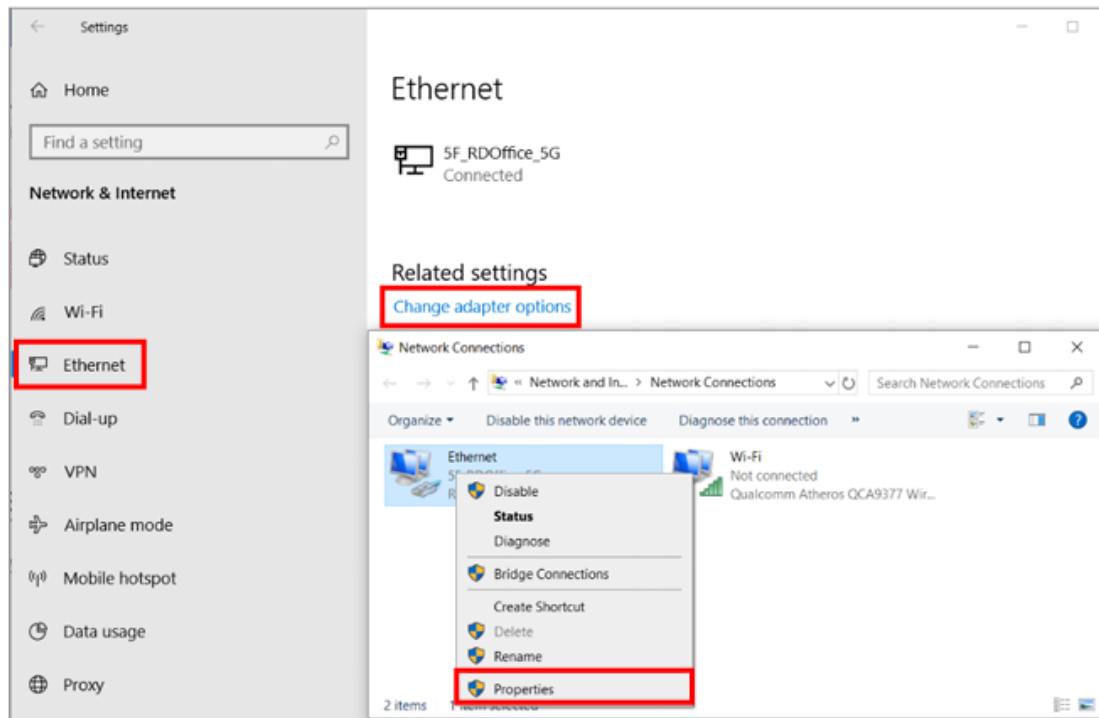
② Method to Setup Computer Interface

Enter static IP: 192.168.0.7. It is necessary to change computer IP to the same network.

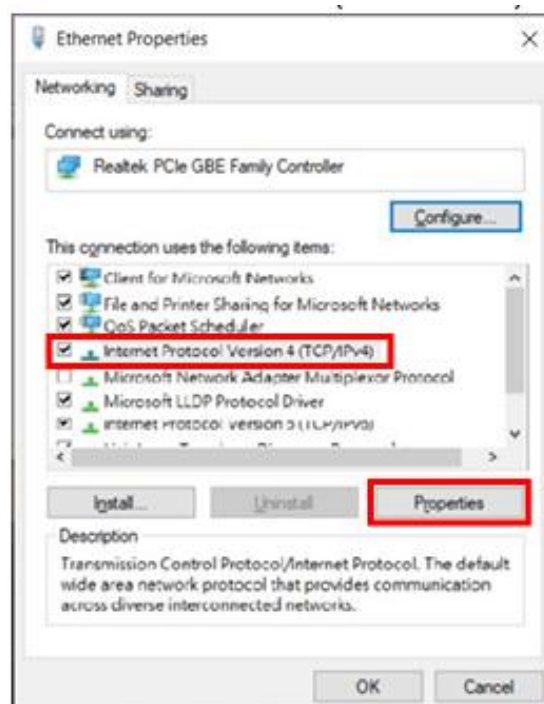
Step 1: Click the network symbol ( or ) → Right-click to open network and Internet setup.



Step 2: Ethernet → Change adapter options → Network connection, select “Ethernet”, right-click “Properties”.



Step 3: Select Internet Protocol version 4 (TCP/IPv4). Press Properties.



Step 4: Enter static IP and DNS address (same network as module 192.168.0.xxx). Press OK.

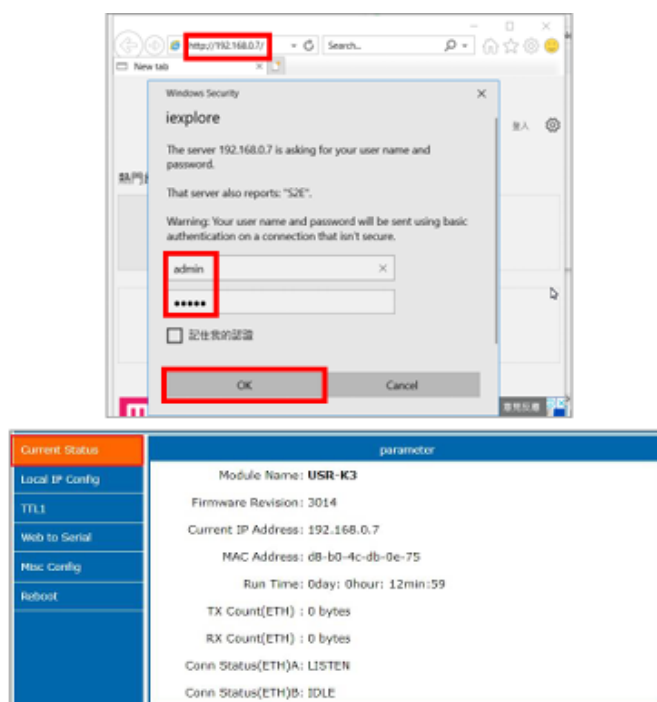
NOTE: If the computer itself has a static IP, please confirm whether it is in the same local area network as the module IP and there is no conflict. If yes, there is no need to change the local area network and computer IP address.

NOTE: Please do not connect to the network when modifying computer IP, including wireless network.



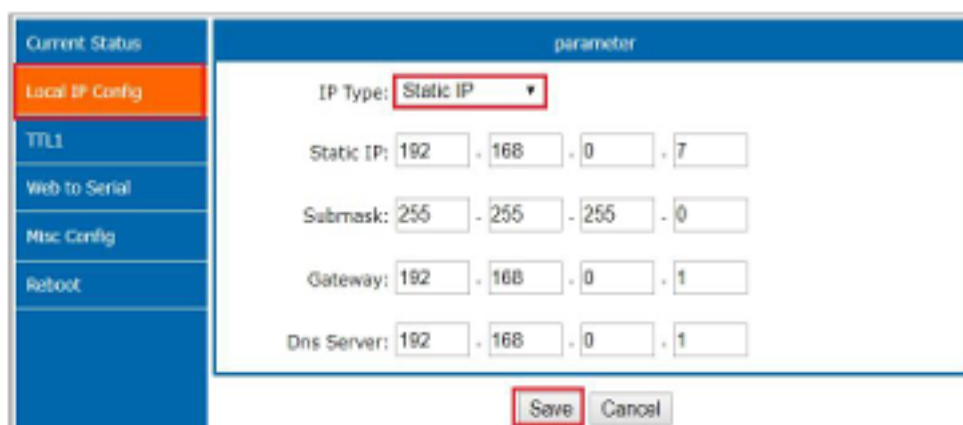
③ Method to Login Web Interface

Step 1: Enter IP: 192.168.0.7 (default) Account: admin Password: admin Press OK.



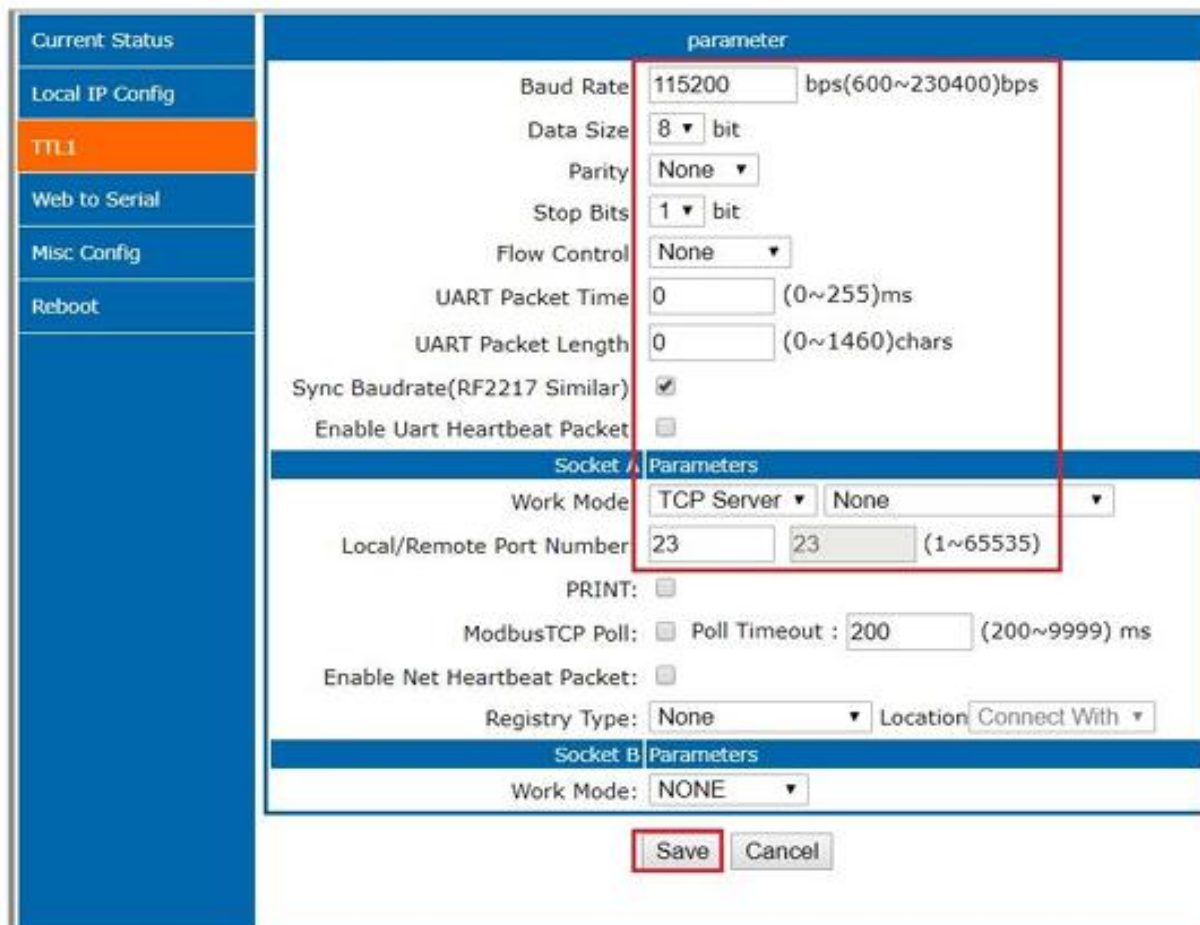
Step 2: Select Local IP Config : IP Type is Static IP

Please set Static IP, Submask, Gateway, DNS Server and then press Save.
NOTE: When a customer sets up the Static IP, Gateway, and DNS Server, the area network needs to be the same as the computer or Router and the Static IP must not conflict with the computer or Router IP.



Step 3: Select TTL1 : Do not change default parameters.

Baud Rate	115200 bps
Data Size	8 bit
Parity	None
Stop Bits	1 bit
Flow Control	None
UART Packet Time	0 ms
UART Packet Length	0 chars
Work Mode	TCP Server/None
Local/Remote Port Number	23



Current Status

Local IP Config

TTL1

Web to Serial

Misc Config

Reboot

parameter

Baud Rate

115200

bps(600~230400)bps

Data Size

8

bit

Parity

None

Stop Bits

1

bit

Flow Control

None

UART Packet Time

0

(0~255)ms

UART Packet Length

0

(0~1460)chars

Sync Baudrate(RF2217 Similar)

☒

Enable Uart Heartbeat Packet

☐

Socket A Parameters

Work Mode

TCP Server

None

Local/Remote Port Number

23

23

(1~65535)

PRINT:

☐

ModbusTCP Poll:

☐

Poll Timeout :

200

(200~9999) ms

Enable Net Heartbeat Packet:

☐

Registry Type:

None

Location:

Connect With

Socket B Parameters

Work Mode:

NONE

Save

Cancel

Step 4: Select Misc Config: Module Name. It is suggested to use an identifiable device name for this controller on LAN. After change, press Save again. Do not change other parameters.

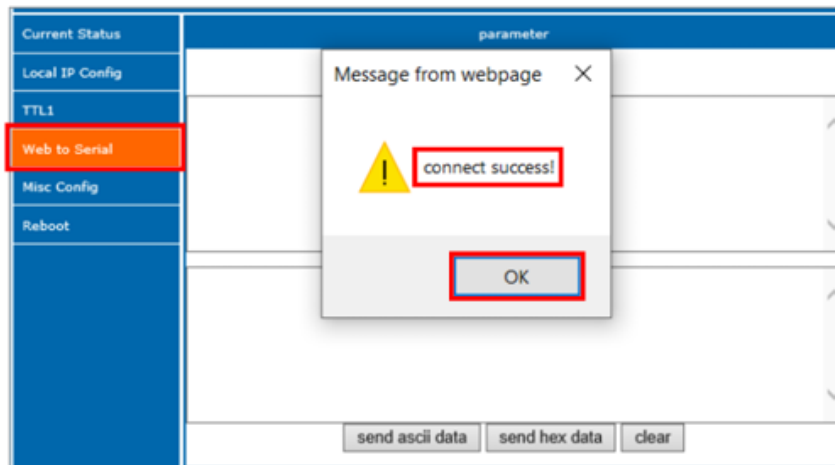
Current Status	parameter	
Local IP Config	Module Name:	USR-K3
TTL1	Websocket Port :	6432
Web to Serial	Webserver Port:	80
Misc Config	MAC Address:	d8-b0-4c-db-0e-75
Reboot	User Name:	admin
	Pass Word:	admin
	Buffer Data Before Connected:	☐
	Reset Timeout:	3600 (60~65535) s
	Save	Cancel

Step 5: Select Reboot: Press Restart Module. After update, log in Static IP or DHCP/Auto IP.

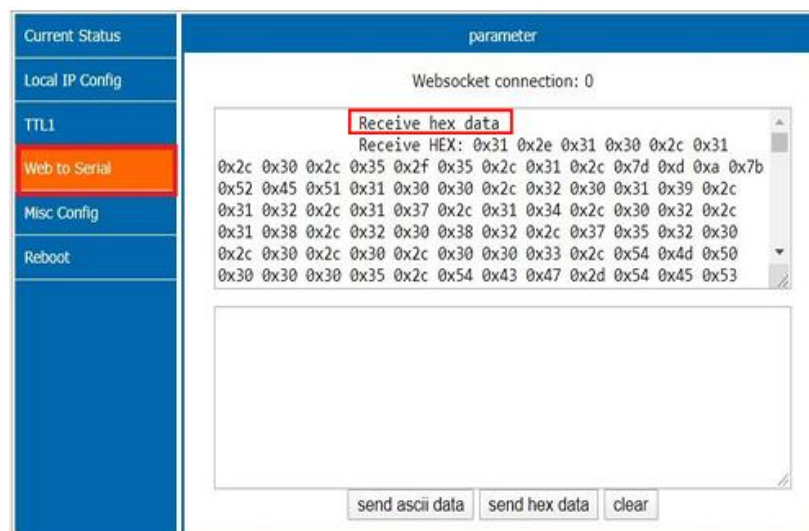
Current Status	Reboot/Reset	
Local IP Config	Restart Module	Restart Module
TTL1		
Web to Serial		
Misc Config		
Reboot		

④ Check Network Connection Status

1. After logging in the new IP, click Web to Serial to check if the connection is successful. If yes, the screen will show connect success → OK



2. When receive hex data appears, it means that this page can be closed after normal communication is set up.

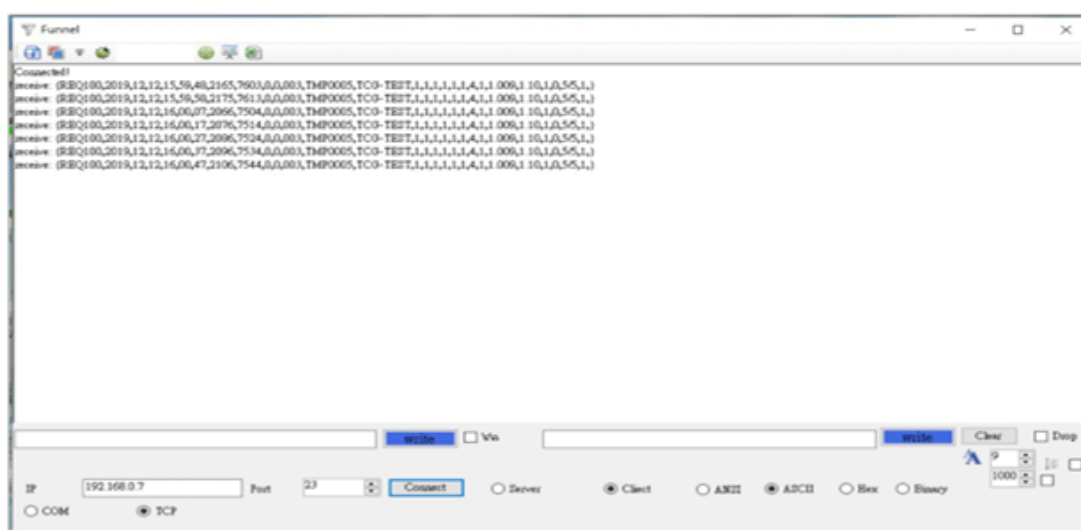
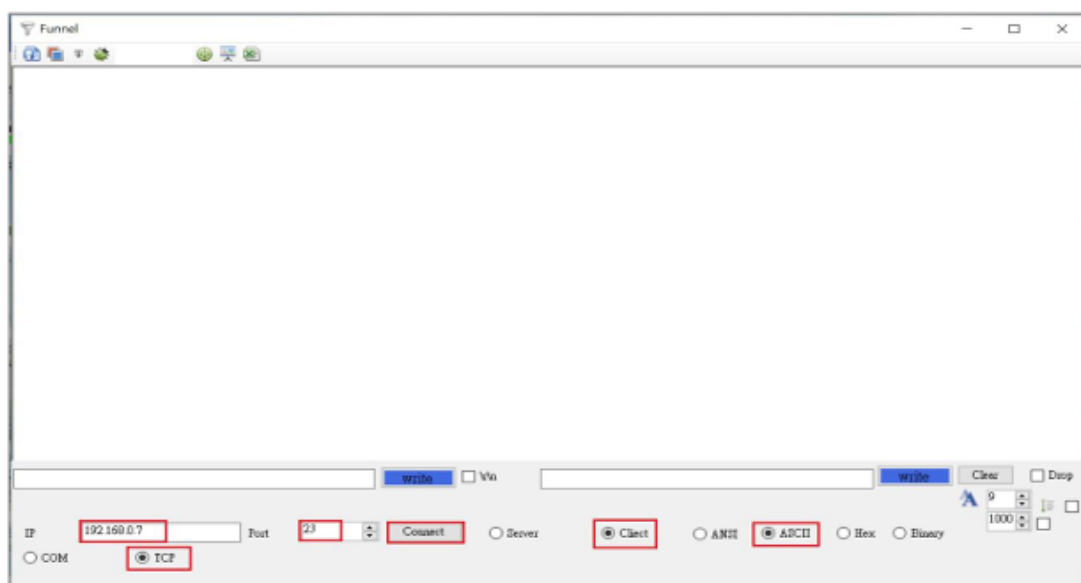


⑤ Display of Received Communication Format

After opening the accessible communication software, select TCP → IP:

192.168.0.7 → Port: 23 → Select Client → Select ASCII → Press Connect. (The figure below is an illustration diagram)

NOTE: If IP has been changed, please enter the new IP.



⑥ Multiple Devices Connect to Router

1. The wired network has a default IP (192.168.0.7), so please change the IP of the device one by one before connecting to the Router, as the step ①-④ above.

2. If the device IP has been changed, please connect the end of network cable from the computer to the Router area network location.

NOTE: The router area network and the wired network segment must be consistent, for example, the router area network IP: 192.168.100.XXX, the wired network IP must be 192.168.100.XXX network segment.

3. The laptop is connected to WIFI SSID or the wired network is connected to the Router area network. Open the communication software and enter the device IP to view the received data.

⑦ Troubleshooting If the setup fails, please reload the default.

Please turn SMT-C1 off first (OFF), then press and hold Enter key for 3 seconds and turn on (ON) at the same time. When the user page appears on the controller interface, it means that Load Default is successful. Then you can start from the first step to set it up again.

