

## Series B Gateway WiFi Module Instructions

### Step 0 – Gateway Preparation

Hardware: Series B gateway V7.0 or plus;

Software: RS232 Serial program SVN543 or above.

### Step 1 - Power On

Power on the gateway. Within 10s, the “**POWER**” LED on the WIFI daughter board is on.

Within 5s, “**READY**” LED is on, representing the WiFi module is initialised properly;

### Step 2 - Explorer Access

A. On the laptop, from hotspot list look for:

SSID: wisen\_XXXX (*Note: XXXX is the last 4 digits of the module's MAC address*)

Password: wisenmeshnet



B. Then from internet explorer, visit 192.168.1.1 with:

Username: admin

Password: admin

Once connected successfully, “**Link**” is on.


### Step 3 - WiFi Account Setting

A. On the explorer, click on “**WiFi Set**”;

B. Select “**STA**” in “**WiFi Mode**”;

- C. Type the WiFi Access information in to “**STA SSID**” and “**STA Password**” fields. Note: this information should be obtained from your local WiFi System administrator; and ensure the correct and case sensitive information is typed in!
- D. Click on “Save”;

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Sys status

**WiFi Set ①**

UART0 Set

UART1 Set

Extra Function

Account Set

Reload Restar

About USR

### WIFI Set

Wifi Mode STA ②

### AP Set

AP SSID ( SSID ) ( 1-32位 ) wisen\_5E2F

AP Password (8-63位) , "NONE" is open wisenmeshnet

AP IP 192.168.1.1

Mask 255.255.255.0

### STA Set

STA SSID ( 1-32位 ) TP-LINK\_E85A ③


STA Password (8-63位) , "NONE" is open 12345678

DHCP Enable

④SAVE

- E. Click on “Back”; **DO NOT CLICK “Restart” HERE!**

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Sys status

**WiFi Set**

UART0 Set

UART1 Set

Extra Function

Account Set

Reload Restar

About USR

### Saved Successfully!


Configurations will take effect after restart.  
After restart, you will need to re-login the configuration interface for other settings, so it is recommended to restart after completing all settings.  
Please click [Restart] to restart now, or click [Back] to continue setting.  
You can restart after all configuration.

Restart
Back

- A. Click on “**UART0 Set**”, then “**All Socket Set**”, then ensure the followings in the red

highlighted boxes are filled in correctly;

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Sys status

WiFi Set

**UART0 Set ①**

UART1 Set

Extra Function

Account Set

Reload Restart

About USR

>>UART0 SET
>>All Socket Set ②

**Socket SET**

**Socket Mode** Trans

**Trans Function** TCP-Client ③

**Socka Protocol** TCP-Client

**Socka Port** 4500

**Socka Server Address** data.wisencn.com

**Sockb Protocol** OFF

**Sockb Port** 8899

**Sockb Server Address** 192.168.1.1

**Additional Function**

**RFC2117** Disable

**Trans Encrypt** Disable

**Trans Num** 00000000000000000000000000000000

**Register content** OFF

**Register frequency(Just for TCPC)** FIRST


**Register ID (0-65535)** 0

**Usr Define Packet (32 bytes)** usr

④SAVE

B. Click on “Restart” to make all the settings to be effective;

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Sys status

WiFi Set

**UART0 Set**

UART1 Set

Extra Function

Account Set

Reload Restart

About USR

**Saved Successfully!**

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After restart, you will need to re-login the configuration interface for other settings, so it is recommended to restart after completing all settings.  
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You can restart after all configuration.

Restart
Back

C. On the WiFi daughter board, you will see “POWER” LED on, then “READY” LED on.

And if the local WiFi access information has been filled in correctly, “**LINK**” LED is on representing that Gateway is connecting local WiFi successfully;

#### Step 4 – Data Confirmation on Wisen Platform

- A. If data is transmitted successfully from a gateway to a Wisen server successfully, then on the main PCB board, “**NET**” LED will be on! By default, T=5min;
- B. Check WISENMESHNET Visualisation Software and ensure live data is there.

**Note: all the WiFi gateway data are transmitted to our Business data server.**

#### Trouble shoot:

Local WiFi STA SSID and STA Password are filled incorrectly or if you want to initialise the WiFi module.

After Step 1 is completed, press on “Reload” button on the daughter board for 5s, then release, you will see “POWER “ LED then “READY “ LED on. By now your are ready to re-enter the local WiFi Access information, i.e., to perform Steps 2 & 3 again.

#### WiFi Daughter Layout:

