

AP Usage Manual

1 Install

1.1 Technical parameters

name	ESLAP
Scheme of electric power supply	12V DC 或 POE
Communication band	2.4GHz
Number of ESL supported	2000 films
Coverage	Radius 15 meters
Working temperature	0-40°

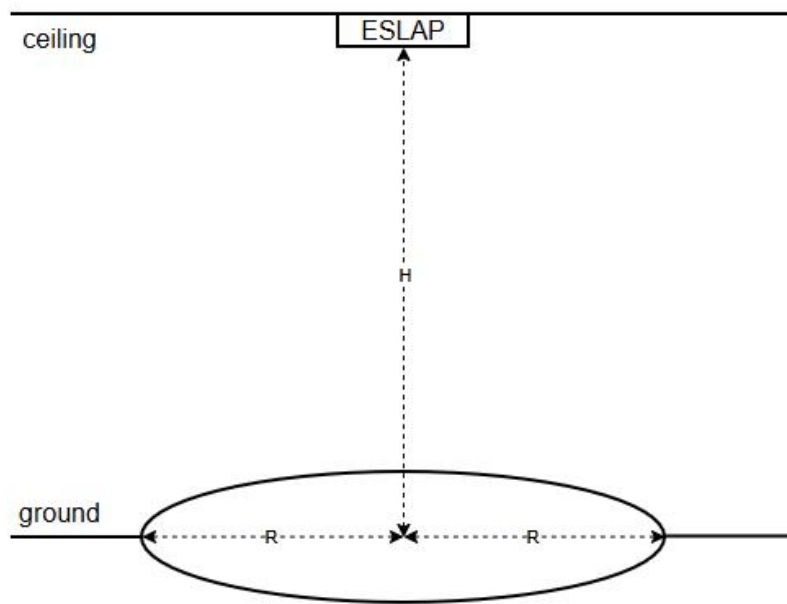
1.2 Install ESLAP

The ESLAP needs to be installed in the center of the esl area to be distributed,Don't get too close to walls or concrete pillars.

The location of the ESLAP needs to be more than two meters away from other wireless devices in the store. The location where ESLAP is installed requires the deployment of network cables and power outlets in advance.

In actual use,The ESLAP is to be installed at a higher position,To achieve better transmission results and coverage.Based on the actual situation on the ground,ESLAPs can be placed high,If there is no suitable place to place,It can be fixed to a wall or sky.

At the ceiling (pictured below). H is the recommended height of 3-3.5 meters, R is the coverage radius, Generally 15 meters.



Plug in the power cord, The network cable. The following diagram shows.



1.3 Install accessories

When ESLAP needs to be installed on walls or ceilings.

First, attach the ESLAP backrest to the wall or ceiling with a screw.

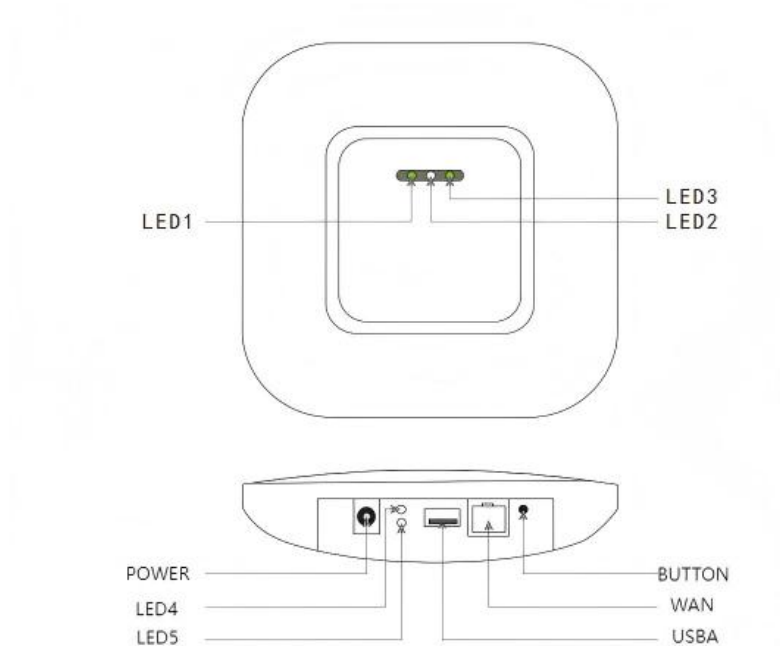


Then point the groove on the back of the ESLAP to the slot position on the back button, The rotation is screwed up.





2 ESLAP status lights



LED1: Not for the time being

LED2: ESL transceiver status light

White flash Listen to price tag broadcasts

Green flash Send power management

Blue flash free

Purple flash Read and write price tags

LED3: Network Status Light

Red The cable is not plugged in and the ESLAP Wi-Fi is not connected to the hot spot

Blue Plug in the network cable or connect to the ESLAP Wi-Fi, But can't connect to the internet (external network)

Green You can connect to the Internet (external network) normally.

Display green for a long time, It's normal to jump to blue every now and then.

LED4, LED5: Main board power indicator

3 ESLAP network settings

3.1 Wired DHCP Dynamic IP Internet Access

AP uses DHCP for dynamic internet access by default, so no action is usually required.

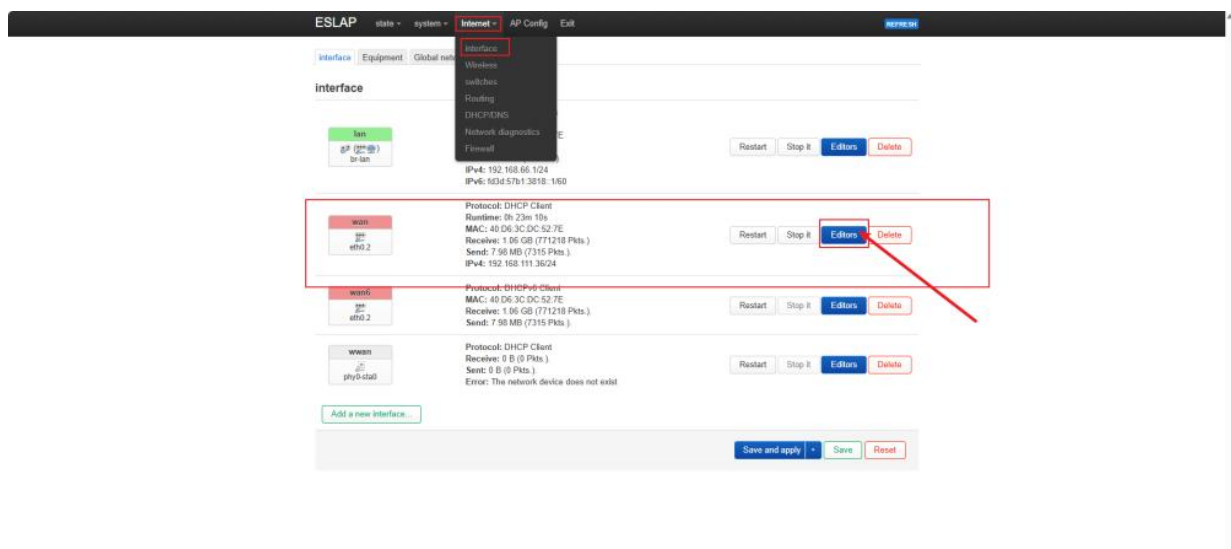
1. There's electricity, Connect to the Internet line, Waiting for the LED2 white light to flash, Other lights don't flash.
2. Mobile phone or computer search Wi-Fi: ESLAP-xxxx (the default Wi-Fi after the last four digits of the ESLAP Mac address)
3. Mobile phone or computer connected to ESLAP Wi-Fi, ESLAP Wi-Fi default password: 12345678
4. Browser opens: 192.168.66.1 (default)
5. Log in to the ESLAP back office, User name: root, Password: 123456 (default)
6. Select Menu : Network -> interface -> WAN

7. Agreement Selection : DHCP Guest (if it is already a DHCP Guest, The following steps are not necessary)
8. Click the button : Switching protocol
9. Click the button : Save & Apply

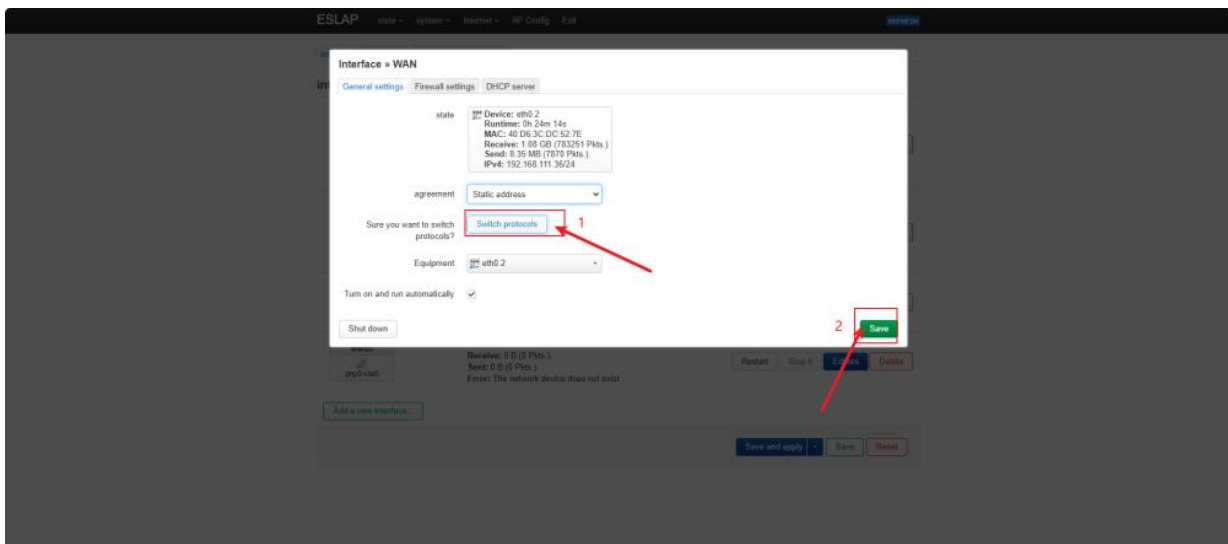
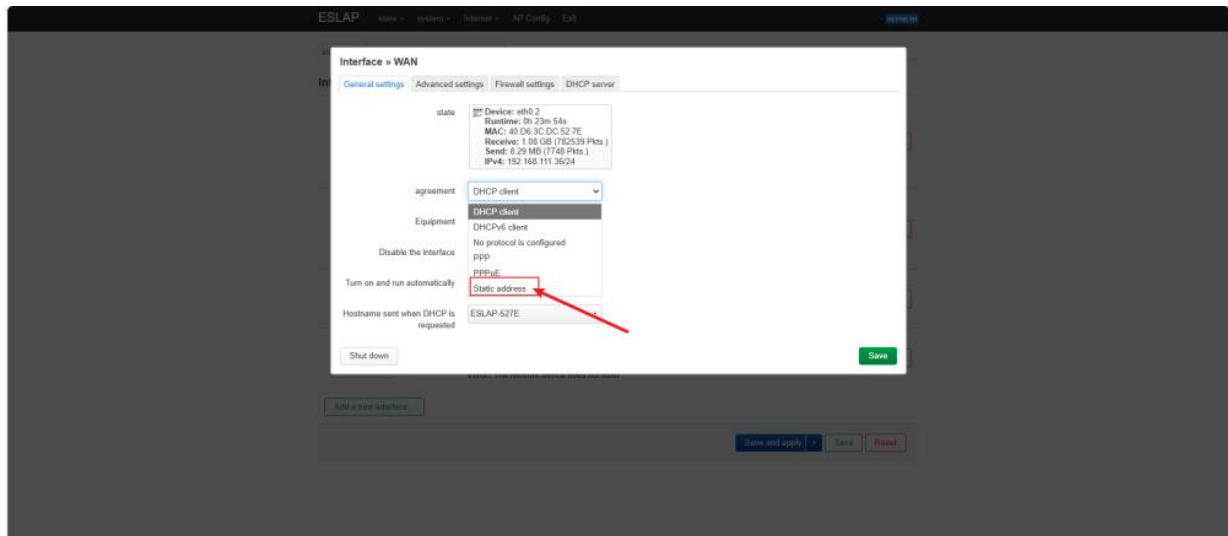
Note: If the secondary network segment is also 192.168.66. *, Please connect ESLAP hotspot to set other network segment gateway IP

3.2 Wired static IP Internet access

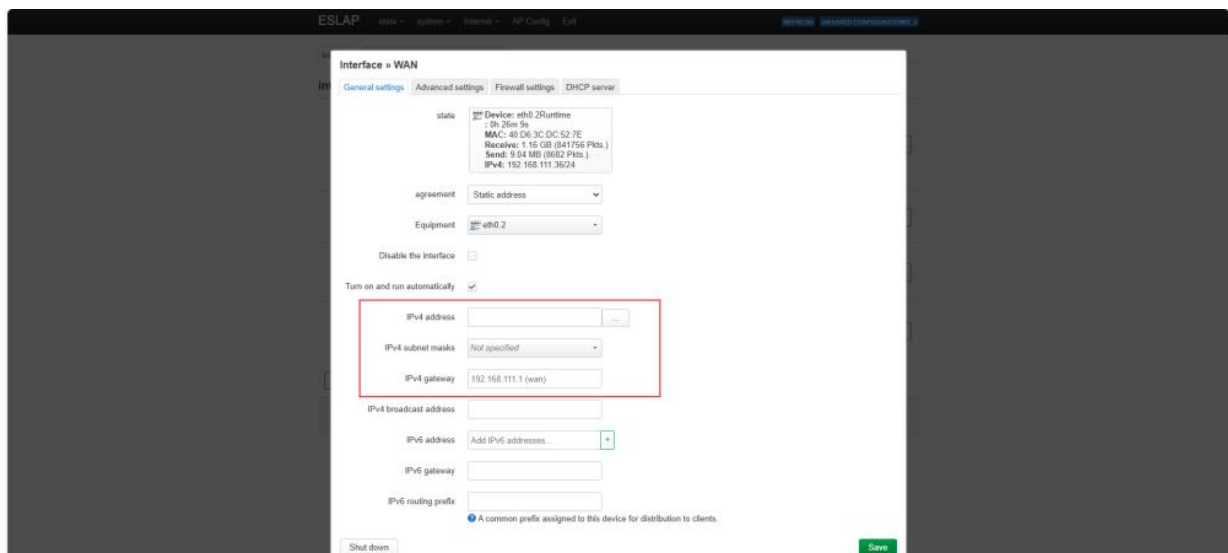
1. There's electricity, Plug in the Internet cable, Waiting for the LED2 white light to flash, Other lights don't flash.
2. Mobile phone or computer search Wi-Fi: ESLAP-XXXX (the default Wi-Fi after the last four digits of the ESLAP Mac address)
3. Mobile phone or computer connected to ESLAP Wi-Fi, ESLAP Wi-Fi default password: 12345678
4. Browser opens: 192.168.66.1 (default)
5. Log in to the ESLAP back office, User name: root, Password: 123456 (default)
6. Select Menu : Network -> interface -> wan -> editors



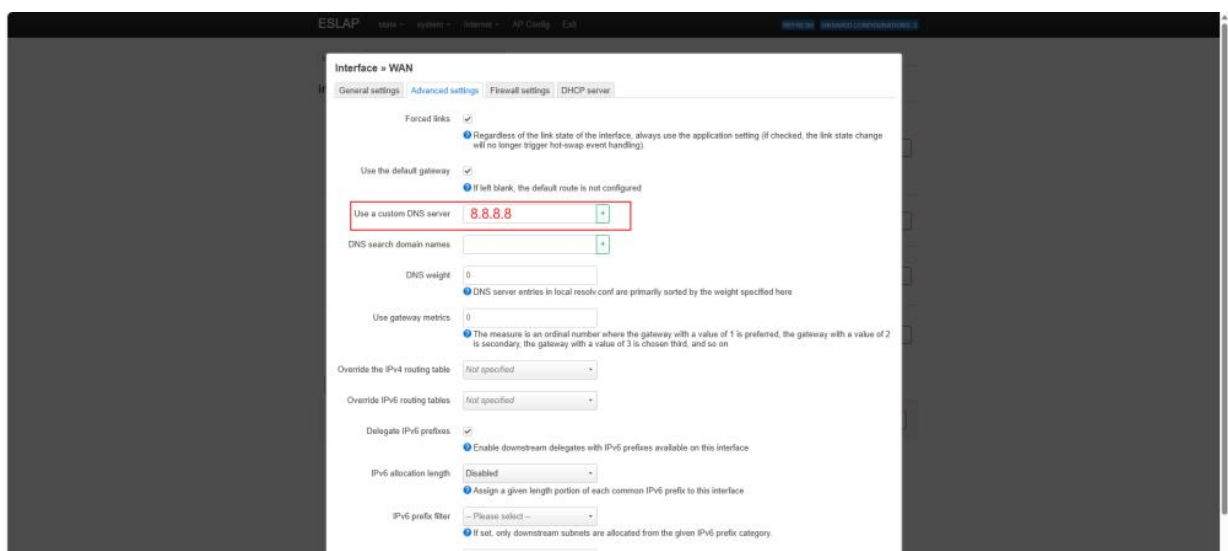
7. Agreement Selection : static address -> Switch protocol



8. Enter IPv4 address : IP that is allowed by the superior network segment and is not used



9. Set the global DNS address: Advanced Settings → Use a custom DNS server, then enter the global DNS address: 8.8.8.8



10. Enter IPv4 submask : 255.255.255.0, Others can be filled out without filling in
11. Click the button : Save & Apply

Regardless of the link state of the interface, always use the application setting (if checked, the link state change will no longer trigger hot-swap event handling).

Use the default gateway☒

If left blank, the default route is not configured

Use a custom DNS server

DNS search domain names

DNS weight

DNS server entries in local resolv.conf are primarily sorted by the weight specified here

Use gateway metrics

The measure is an ordinal number where the gateway with a value of 1 is preferred, the gateway with a value of 2 is secondary, the gateway with a value of 3 is chosen third, and so on

Override the IPv4 routing table

Override IPv6 routing tables

Delegate IPv6 prefixes☒

Enable downstream delegates with IPv6 prefixes available on this interface

IPv6 allocation length

Assign a given length portion of each common IPv6 prefix to this interface

IPv6 prefix filter

If set, only downstream subnets are allocated from the given IPv6 prefix category

IPv6 suffix

Optional. Allowed values: "eui64", "random", and other fixed values (for example: "::1" or "::1:2"). When an IPv6 prefix (such as "a:b:c:d::") is obtained from the authorization server, the IPv6 address ("a:b:c:d::1") is synthesized with a suffix (such as "::1") and assigned to this interface.

IPv6 priority

When delegating prefixes to multiple downstreams, interfaces with higher priority values are considered first when assigning subnets.

Shut down

Save

激活 Windows
转到 Windows 设置以激活 Windows。

ESLAPstate - system - Internet - AP Config - Exit

RETURNUNUSED COMPONENTS

InterfaceEquipmentGlobal network options

interface

lan

gigabitEthernet0/24

Protocol: Static Address
Runtime: 0h 27m 53s
MAC: 40 D6 3C DC 52 7E
Receive: 0 B (0 Pkts.)
Send: 2 96 KB (19 Pkts.)
IPv4: 192.168.66.1/24
IPv6: fd34:57b1:3010::1/60

RestartStop itEditDelete

wlan

eth0.2

Protocol: Static address
There are 2 unapplied changes to the interface

RestartStop itEditDelete

wlan

eth0.2

Protocol: DHCPv6 Client
MAC: 40 D6 3C DC 52 7E
Receive: 1 25 GB (964501 Pkts.)
Send: 9 61 MB (5063 Pkts.)

RestartStop itEditDelete

wwan

phy0-usb0

Protocol: DHCP Client
Receive: 0 B (0 Pkts.)
Send: 0 B (0 Pkts.)
Error: The network device does not exist

RestartStop itEditDelete

Add a new interface...

Save and applySaveReset

3.4 AP configuration

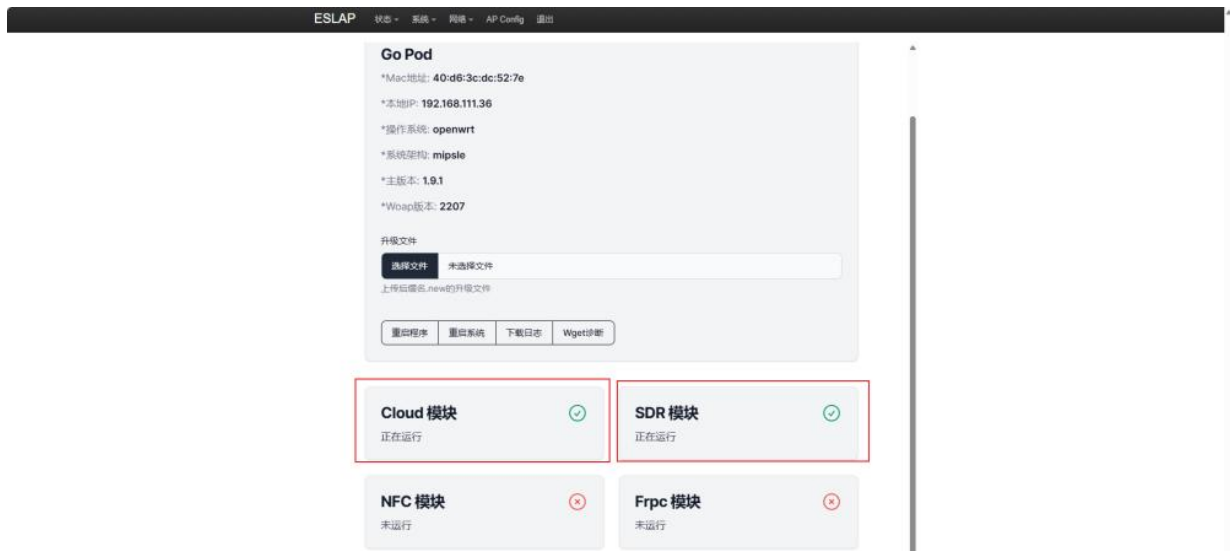
1. Connect the network cable to the AP and plug in the power supply,Waiting for LED2 white light to flash,LED3 flashes green or blue light
2. Mobile phone or computer search Wi-Fi: ESLAP-XXXX(the default Wi-Fi after the last four digits of the ESLAP Mac address)
3. Mobile phone or computer connected to ESLAP Wi-Fi,ESLAP Wi-Fi default password: 12345678
4. Browser opens: 192.168.66.1,Log in to the ESLAP back office,User name: root,Password: 123456
5. Select Menu: AP Config -> configure,Start configuring the ESLAP

The screenshot shows the 'AP Config' page in the ESLAP system. The top navigation bar includes 'state', 'system', 'Internet', 'AP Config', and 'Exit'. The 'AP Config' tab is active. Below the navigation bar, there are tabs for '状态' (Status) and '配置' (Configuration), with '配置' being the selected one. The 'Cloud' section contains four input fields: '服务器地址' (Server Address) with a red label 'url', '门店编号' (Store Number) with a red label 'store code', '用户名' (Username) with a red label 'username', and '密码' (Password) with a red label 'password'. Below this is the 'Custom Websocket' section, which has a toggle switch labeled '打开' (Open), and three input fields: '远程地址' (Remote Address) with a red label 'CALL_URL', '认证地址' (Authentication Address) with a red label 'AUTH_URL', and a checkbox labeled '自动打开浏览器' (Automatically open browser).

6. Input right server Address, store number, user name Password,Keep the other configurations unchanged ,submit

This screenshot shows the bottom portion of the 'AP Config' page. It includes the 'Custom Websocket' section with its toggle switch and input fields, and a new 'Debug' section with a toggle switch labeled '打开' (Open). At the bottom, there is a blue '提交' (Submit) button, which is highlighted with a red rectangle.

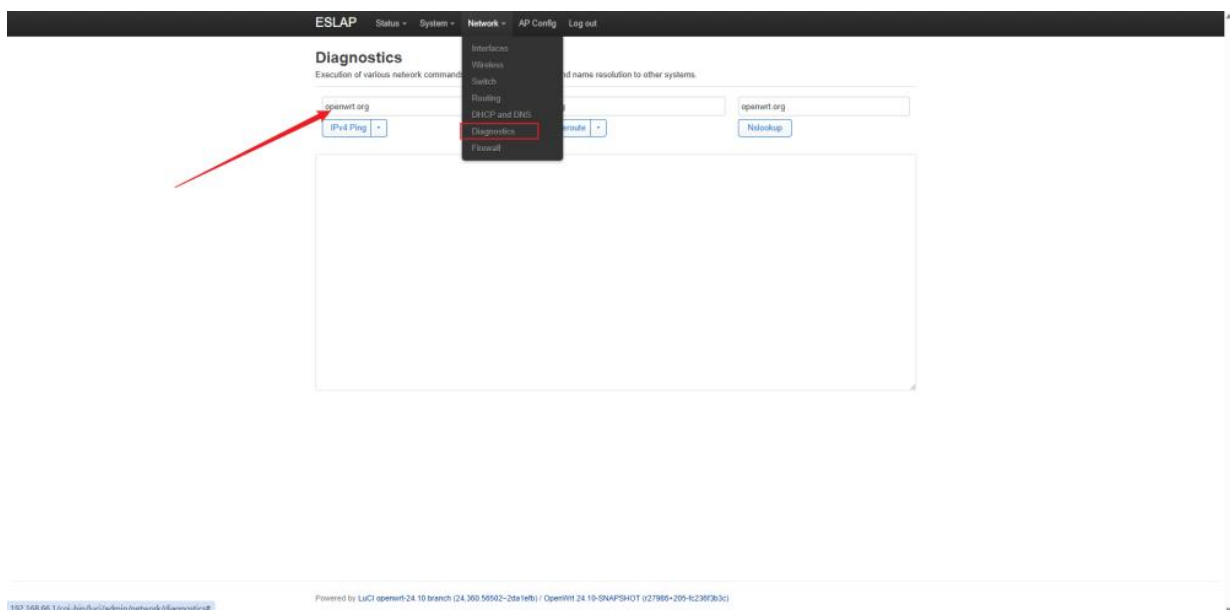
7. Select Menu: AP Config -> Status.To check the two module is running.



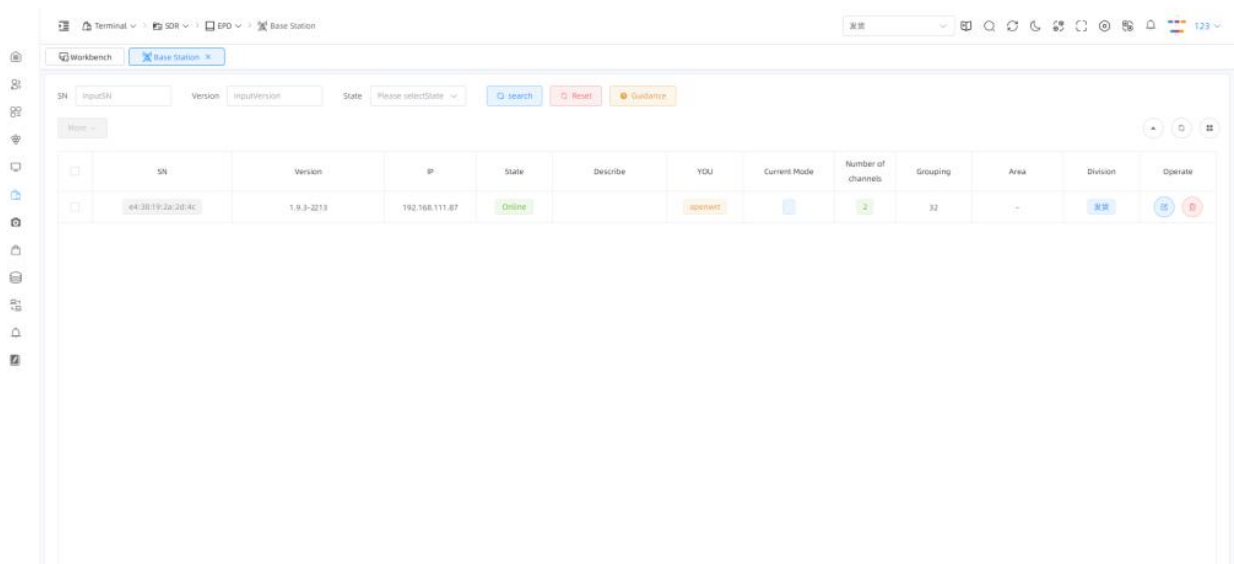
- If CLOUD Module is QUIT_AUTH_ERROR ,It is because the configuration information filled in just now was incorrect.

Reconfirm the configuration information.

- If CLOUD Module is QUIT_NETWORK_ERROR ,It's because of network issues.
 - Verify that the URL is correct.
 - Select Internet -> Network diagnostics ping google.com and to check if your network can communicate with the external network and your server.



- If ping is unreachable. Check your network if can connect the external network and your router or switch if have DHCP function.
 - If your router or switch doesn't have DHCP function. You should Configure static IP Internet access
 - If your network can't connect the external network, you can change a network Or deploy our server locally
8. On the web interface, go to [Devices-SDR-Base Stations] and check whether the base station is online.



FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment should be installed and operated with a minimum distance 20cm between the device and your body.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.