



Quick Installation Guide

Wall AP

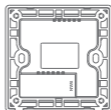
Model: WIS-EAP500-WALL
WIS-EAP510-WALL
WIS-EAP520-WALL

01 / Product introduction

• LED indicator definition



Front



Back

LED Indicator	Designation	Normal status	Explanation
	SYSTEM LED	Green	System boots up successfully

• Ports Definition



WAN

Port	Explanation
WAN	Connect to internet through ADSL modem or FTTH broadband. Under AP and repeater mode, WAN port will be changed to LAN port

• Operation environment



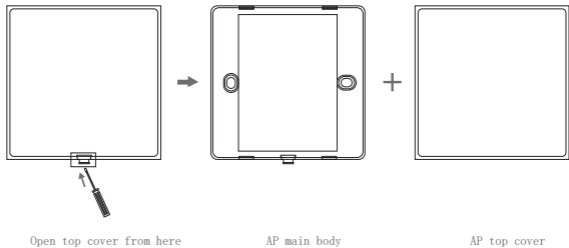
Suitable for safe use in areas below 2000 meters above sea level



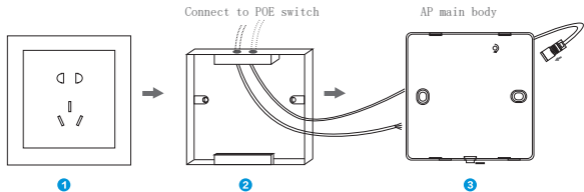
Only Suitable for safe use in non-tropical climatic conditions.

02 / Device installation

- Step 1: Remove AP top cover with screw driver

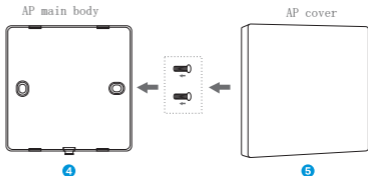


• Step 2: Install AP



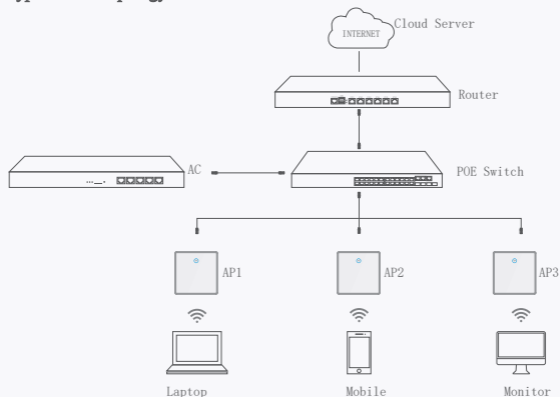
Steps

- ①. Open wall socket cover
- ②. Insert LAN cable into RJ45 port at backside of the AP
- ③. Put AP into the wall socket
- ④. Fix the AP with screws
- ⑤. Install the cover onto AP, finish installation

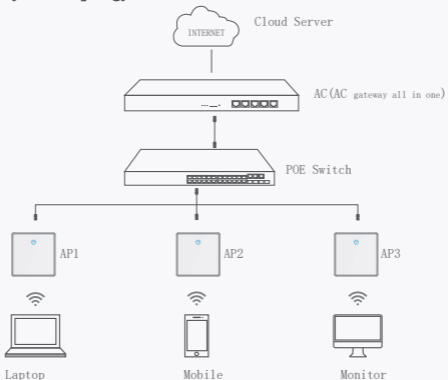


03 / Device connection

Bypass mode topology:



AC Gateway mode topology:



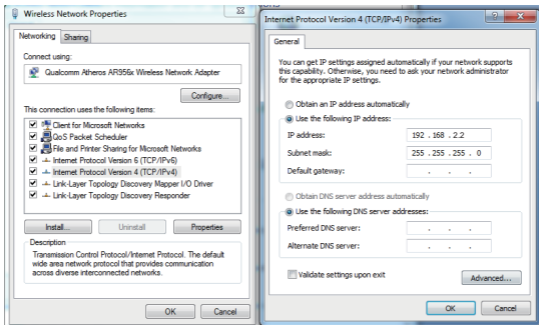
Tips: If the AP supports 24V POE, pls use 24V PoE switch or POE adapter; if the AP is a standard 48V POE device, please use a standard IEEE802.3at POE switch or POE adapter. When deploy a large wireless network, there are many APs in this network, it is recommended to use a wireless AC controller in the network to centralized-manage all APs in the network.

04 / Device management

1.1 Management from WEB UI

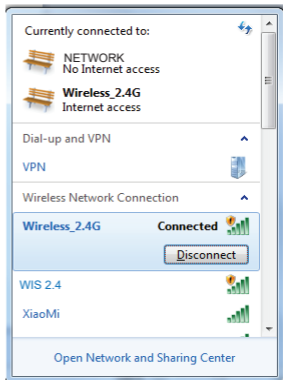
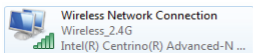
Connect PC by wireless

1.To connect an AP wirelessly, you need set the IP address of the TCP/IP properties of the wireless network card to 192.168.2.2 (X is number range of 2-252) first, so that the AP and PC in the same IP segment, and set the subnet mask to 255.255.255.0, as shown in the following picture:



Set PC wireless network card IP

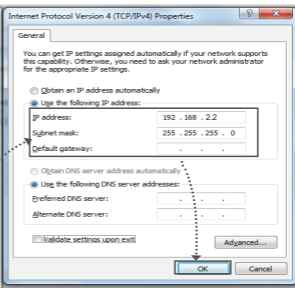
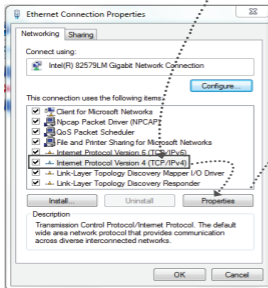
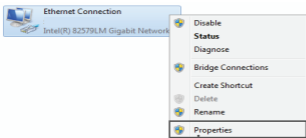
2. After setting the IP address of PC, connect PC with AP in wireless, double-click "Wireless network Connection", in the pop-up wireless SSID list, select "Wireless 2.4G", click "Connect", then enter the password in the pop-up password dialogue box, the default password is "666666666", click "OK" to connect.



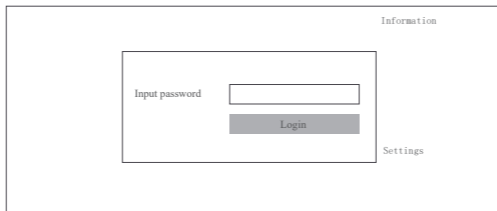
View wireless connection

Connect PC by wired port


Using the wired connection, set the IP address of the TCP/IP properties of the wired network card to 192.168.188.X (X is number range of 2--252), and the PC will be the same IP segment as AP.



1. Use Internet Explorer to visit <http://192.168.2.2>, pop up the login dialogue box shown in the following picture, input the default login password: admin, then press "Login" to enter the wireless AP's management user interface page.



The image shows a login dialog box with a title bar labeled "Information". Inside the dialog, there is a label "Input password" followed by a text input field. Below the input field is a button labeled "Login". The bottom right corner of the dialog is labeled "Settings".

2. By default it is in Fit AP mode, users need click the button  at the right corner to change it to FAT AP mode if needed.



The image shows the management interface of the wireless AP. The title bar includes a "Fit AP" button with a checkmark icon. The interface is divided into two sections: "Information" and "Settings".

Information

IP Address	192.168.2.2
Subnet	255.255.255.0
Mac Address	44:D1:FA:75:BF:3F
Gateway	192.168.2.2
AC Address	172.16.0.1

Settings

IP Mode:

Buttons:

3. In FAT AP mode user interface home page is as shown below:

Home

Wizard

WIFI

Network

Manage

Operation Mode AP Mode Fat AP

Flow(2G Wifi)bps

Optime 01:06:39

Device Information

CPU Usage 1%
Memory Usage 20%

Device Description

Click Settings

LAN Information

IP Mode	Get IP From AC	Status	ON
Lan IP	192.168.2.2	SSID	Wireless-2.4G
Subnet	255.255.255.0	Channel	11
AC Address	172.16.0.1	Encrypt	Open
MAC Address	44:D1:FA:75:BF:3F	MAC Address	44:D1:FA:75:BF:41

WIFI Information

4. Setup Wizard page, choose AP mode as the current working mode.

Home

Wizard

WIFI

Network

Manage

Gateway

Repeater Mode

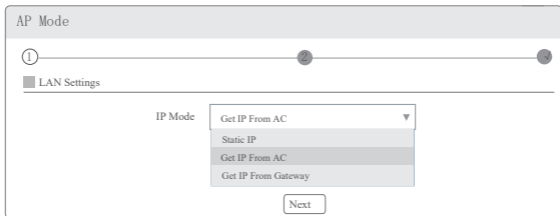
WISP Mode

Current Mode

AP Mode

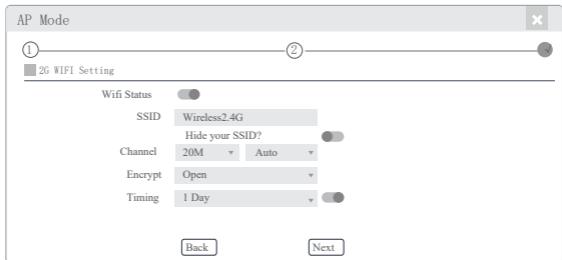
In this mode the AP wireless interface and cable interface are bridging together. Without NAT, firewall and all network related functions.

5. Enter AP Mode setup page, choose "Get IP from AC" in connection type, click Next.



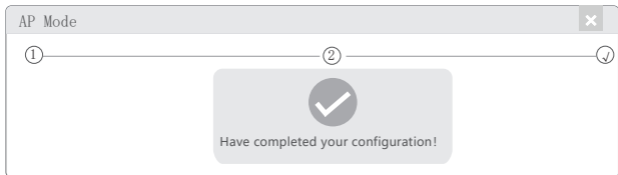
The screenshot shows the "AP Mode" configuration page. At the top, there is a progress bar with three steps; step 1 is active. Below the progress bar is a section titled "LAN Settings". The "IP Mode" is set to "Get IP From AC", which is highlighted in a dropdown menu. Other options in the menu are "Static IP", "Get IP From Gateway", and "Get IP From AC". A "Next" button is located at the bottom right of the settings area.

6. Enter Wifi setup page, set up SSID, Channel, Encryption parameters as shown below:



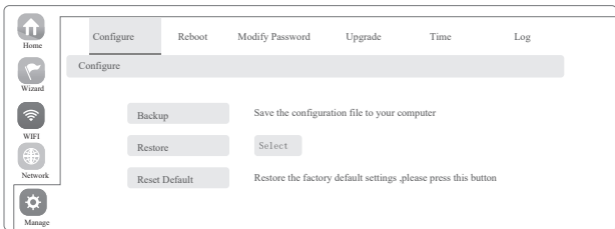
The screenshot shows the "AP Mode" configuration page for "2G WIFI Setting". At the top, there is a progress bar with two steps; step 2 is active. Below the progress bar is a section titled "2G WIFI Setting". The "Wifi Status" is turned on. The "SSID" is set to "Wireless2.4G". The "Hide your SSID?" option is turned off. The "Channel" is set to "20M" and "Auto". The "Encrypt" option is set to "Open". The "Timing" is set to "1 Day". "Back" and "Next" buttons are located at the bottom of the settings area.

7. Click Next and setup completed




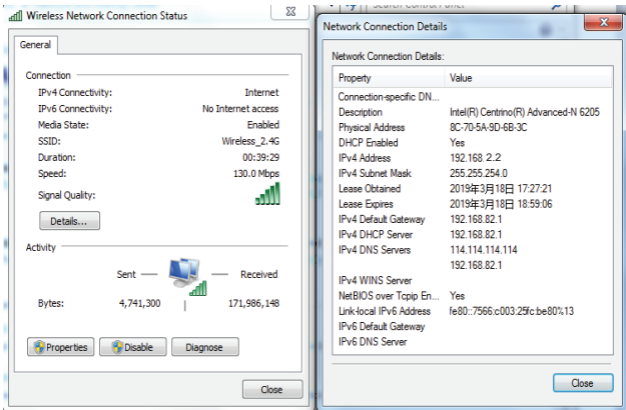
4.3 Device Management

Users can backup, reboot and reset to factory default settings through device management menu options. Also you can modify the WEB login password, upgrade firmware, time synchronization and system log statistics and other functional settings as shown in picture below. .




4.4 Wireless testing

1. Use Laptop or mobile phone to test whether the wireless network can surf the Internet: click wireless network , select the wireless SSID, enter the password to connect the wireless AP, test whether you can surf the Internet.
2. Check the status of the wireless network connection: signal quality, speed, Bytes sent and received. Click on Details, check if the IP address and DNS server address etc. obtained correctly, confirm that the device is working properly.




The image shows two overlapping Windows network status windows. The background window is titled "Wireless Network Connection Status" and has a "General" tab selected. It displays connection information for a wireless network named "Wireless_2_4G".

Wireless Network Connection Status - General

Connection	Internet
IPv4 Connectivity:	Internet
IPv6 Connectivity:	No Internet access
Media State:	Enabled
SSID:	Wireless_2_4G
Duration:	00:39:29
Speed:	130.0 Mbps
Signal Quality:	

Activity

Sent		Received
Bytes:	4,741,300	171,986,148

Buttons: Properties, Disable, Diagnose, Close

The foreground window is titled "Network Connection Details" and shows a table of network properties for the selected connection.

Network Connection Details

Property	Value
Connection-specific DN...	
Description	Intel(R) Centrino(R) Advanced-N 6205
Physical Address	8C-70-5A-9D-6B-3C
DHCP Enabled	Yes
IPv4 Address	192.168.2.2
IPv4 Subnet Mask	255.255.254.0
Lease Obtained	2019年3月18日 17:27:21
Lease Expires	2019年3月18日 18:59:06
IPv4 Default Gateway	192.168.82.1
IPv4 DHCP Server	192.168.82.1
IPv4 DNS Servers	114.114.114.114 192.168.82.1
IPv4 WINS Server	
NetBIOS over Tcpip En...	Yes
Link-local IPv6 Address	fe80::7566:c003:25fc:be80%13
IPv6 Default Gateway	
IPv6 DNS Server	

Buttons: Close

4.5 Other mode



Gateway



Repeater Mode



WISP Mode

Current Mode



AP Mode

• Gateway Mode

Realize router function, WAN port connect with modem (ADSL or Fiber) , or WAN port connect internet by dynamic or static IP type.

• Repeater mode

Realize wireless bridge and forwarding without compatibility matching with the upper device.

• WISP Mode

Wireless ISP clients connect to the wireless base station by wireless, to realize local LAN internet connection sharing.

• AP mode

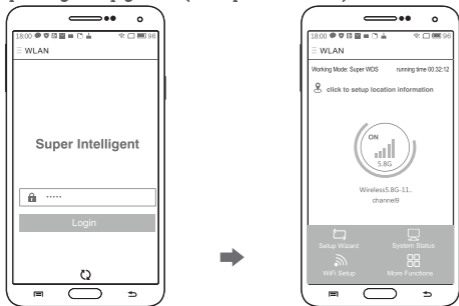
Under AP mode, NAT, DHCP, firewall, and all WAN related functions are turned off, all wireless and wired interfaces are bridged together, no distinguishing between LAN and WAN.

Operation mode setup

Based on the Quick Setup Wizard for each mode shown in the above picture, Set the parameters and options that user needs, and click Next step until the settings for each operation mode are completed .

05/ Use mobile phone to login

- Mobile phone login web page of AP (default password is admin)



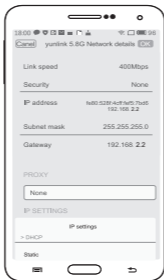
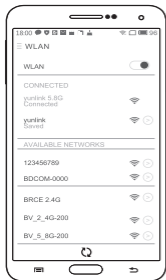
- Set static IP for mobile phone after connecting to AP:

①. How to set static IP for Android system mobile phone

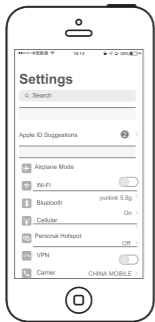
Open the phone click "settings", choose "WLAN", find and long press the SSID of the AP, pop-up menu select "Static IP", set a static IP 192.168.2.2 (X can not be 253 or 252) (the static IP should be same IP segment as AP) for mobile phone, then input the right Gateway IP, network mask and DNS.

②. How to set static IP for IOS system mobile phone

Click "settings", choose "Wi-Fi", click exclamation mark ⓘ after connect wireless signal successfully, setup the static IP 192.168.2.2(X can not be 253 or 252), then input gateway IP, subnet mask and DNS, please note: the static IP should be in the same IP segment as AP.



①. Android system setup steps



②. IOS system setup steps

FAQ and Solutions

Q1: Forget login name and password ?

A1: Reset to factory default settings: press the reset button for above 10 seconds and release it , the device will reboot and reset to factory default settings automatically.

Q2: Can not Login wireless AP management WEB interface ?

- A2:** 1.Check if PC with static IP and if this IP is in the same IP segment of AP, make sure it is not set to other IP range.
2.Reset AP to factory default settings and re-connect to AP.
3.Make sure wireless AP IP address is 192.168.188.253 and not occupied by other devices .
4.Check if there is something wrong with PC and Ethernet cable ,recommend to use CAT 5e or above UTP cable .

Q3: Forget wireless network password ?

- A3:** 1.Connect AP by wired ,login WEB management interface ,click wireless settings----> basic settings---->Encryption ---->Password, and set a new password for wireless network.
2.Reset AP to factory default settings, the default password is 66666666.

Q4: Can not obtain IP Address ?

- A4:** 1.In gateway or WISP mode, check if DHCP server is enabled
2.In repeater or AP mode, check if upper network connection is normal ,or if LAN network DHCP server works well



Q5: How to change FIT AP to FAT AP ?

A5: Switch FAT and FIT mode by clicking the button at right corner ,then device will reboot .After rebooting, please clear history buffer files in IE and then login .

NOTE: Once the device is switched to FAT AP mode , AC controller will not be able to manage and control it .

Q6: AC controller device list can not get AP devices ?

A6: The mode for AC controller and AP are different, AC controller with model prefixed AC is used to control FAT AP, the model prefixed in FAC or BW is used to control FIT AP .

NOTE: All the APs support both FAT and FIT AP mode , the default mode is FIT AP mode.

*This manual is only used for instructions and provides an accurate information as we can , but we can not make sure all the information in this manual is correct.This manual may be updated because of the products upgrade,we have the right to revise the manual without any notice.