Ceiling Mount AP User Manual

1/Product introduction

• LED indicator instructions

Front | Back

One LED Indicator	Name	Normal Status	Instruction
	System Light/WIFI	Green Light	System boots up successfully
		Blue light	WIFI boots up successfully

Thress LED Indicator	Name	Normal Status	Instruction
	System Light	Bright	System boots up successfully
		Flashing	System reset default
	2.4G Light	Flashing	2.4G Wireless boots up successfully
	5.8G Light	Flashing	5.8G Wireless boots up successfully

*The number of LEDs for different models of ceiling mount AP will be different, please refer to the actual product.

• Ports Instructions

DC   LED Indicator   WAN Indicator   WAN/POE   LAN   RST
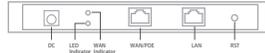
Ports & Buttons	Ports Instructions
DC	Power port
LED Indicator	Led indicator will be bright when Ethernet cable is connected
Reset	Reset button,will make device revert to factory settings ,press it for 10 seconds when powered,device will reboot
WAN	Connect WLAN internet, WAN port connect to ADSL modem or community broadband cable. Under AP, repeater mode, WAN port will be changed to LAN port
LAN	LAN port which can connect LAN device

* The interface for different models of products may be different, the above diagram is only for reference , pls refer to the actual product !

• Operational environment

≤2000m — Suitable for safe use in areas below to 2000 meters based on sea level

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

PJ-SMSX-xxx

2/Device installation
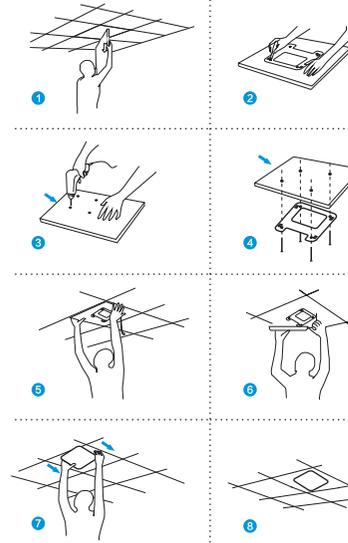
3/Device connection

Bypass mode topology
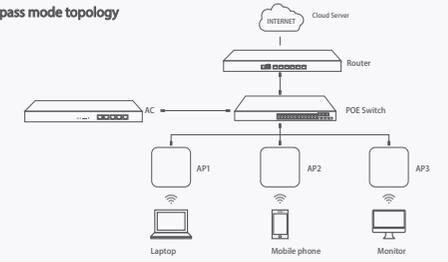
AC Gateway mode topology
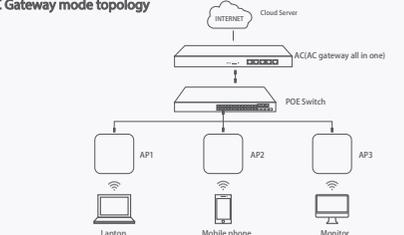
Tips: If the AP support 24V PoE, pls use 24V PoE switch or Poe adapter; if the AP is a standard active 48V PoE device Please use a switch that supports IEEE802.3at standards.When deploy a large wireless network, there are many APs in this network, recommend use an ACwireless controller in the network to centrally manage all AP in the network.

4/Device management

4.1 Web login Management

Connect to PC by wireless

(1)、 To connect a device wirelessly, you need to set the IP address of the TCP/IP property of the wireless network card to 192.168.188.X (X is number of 2--252) first, so that the device and PC in the same IP segment, and set the subnet mask to 255.255.255.0, as shown in the following picture:
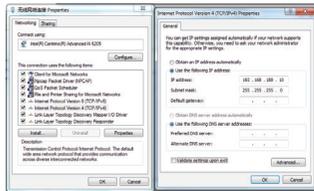
(2)、 After setting the IP address, make user connect with device in wireless, double-click "Wireless network Connection" in the pop-up wireless SSID list, select "Wireless 2.4G", click "Connect", enter the password in the pop-up password box, the default password is "66666666", click "OK" to complete the connection.

Connect PC by wired

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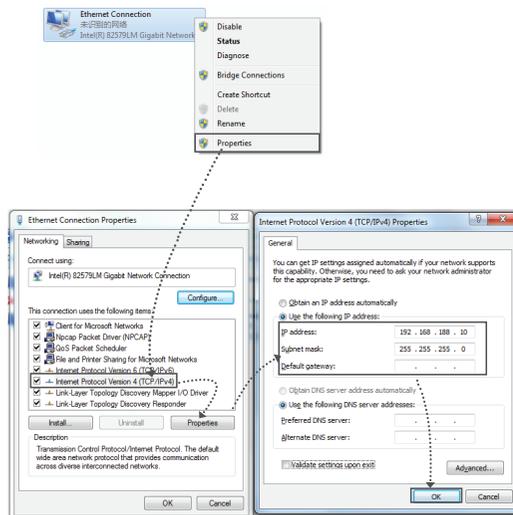
4.2 AP mode

1.Use Internet Explorer to visit http://192.168.188.253, pop up the login screen shown in the following picture, the default login password: admin, after completing it will go to the wireless AP settings page.

Input password [   ]

Login
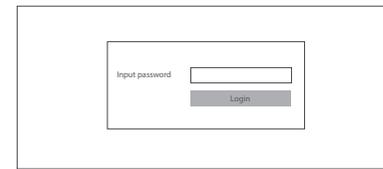
2.Default is fit AP mode page, users need to click the button   at the right corner to change it to FAT AP mode if need.

Information	
IP Address	192.168.188.253
Subnet	255.255.255.0
Mac Address	44:D1:FA:75:8F:3F
Gateway	192.168.188.1
AC Address	172.16.0.1

Settings	
IP Mode	DHCP

Apply   Reset   Reboot

3. FAT AP mode home page is as below:
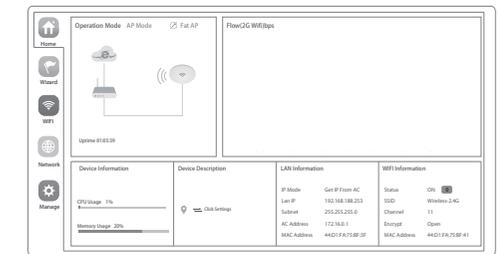
4.Setup Wizard page,choose AP mode as the current working mode.
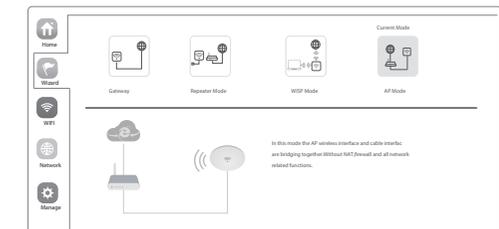
5.In AP setup page,choose "Get IP from AC" in connection type,choose next step.

AP Mode

① ——————— ② ——————— ③

☐ LAN Settings

IP Mode | Get IP From AC ▼
- Static IP
- Get IP From AC
- Get IP From Gateway

[Next]

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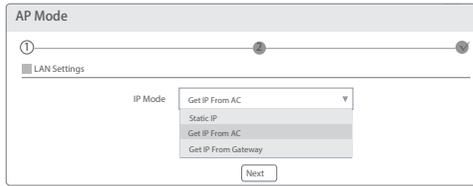
6. In Wifi setup page,set up as the picture shows below:

AP Mode ✕

① ——————— ② ——————— ③

☐ 2G WIFI Setting

Wifi Status	⬤
SSID	Wireless2.4G
	Hide your SSID? ⬤
Channel	20M ▼ Auto ▼
Encrypt	Open ▼
Timing	1 Day ▼ ⬤

[Back] [Next]

7.Setup completed

AP Mode ✕

① ——————— ② ——————— ③

✓

Have completed your configuration!

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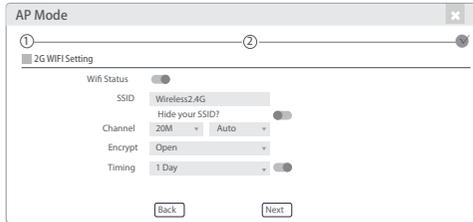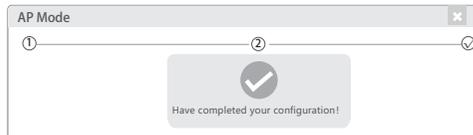
④③ Internet setup and Status

IP settings: After the configuration is completed, the wireless AP will restart and enter the working status you set. Then change the IP address of your computer to automaticacquisition, computer and other wireless devices can connect to the previous router via a wireless AP for wireless Internet access.

View status: Manually set an fix IP address for your computer to 192.168.188.X (X is number of 2-252) , access into wireless AP IP address, login to view management status, as shown in the following picture.

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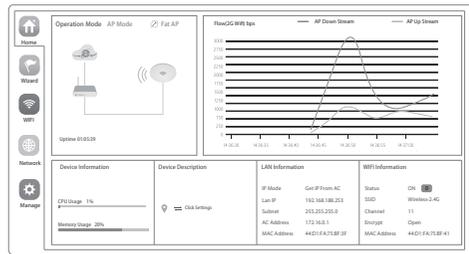
④④ Configuration Management

Users can backup,reboot and reset to factory default settings through device management menu options, together with modify the WEB login password, upgrade firmware, time synchronization and system log statistics and other functional settings.

| Configure | Reboot | Modify Password | Upgrade | Time | Log |

Configure

Backup	Save the configuration file to your computer
Restore	Select
Reset Default	Restore the factory default settings ,please press this button

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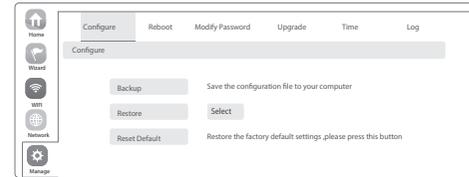
④⑤ Wireless testing

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, test whether you can surf the Internet.

2.Check the status of the wireless network connection, signal quality, signal speed, transmission and data rate: click on the details, check if the IP address and DNS server address, etc., obtained correctly, confirm that the device is working properly.

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④⑥ Other mode
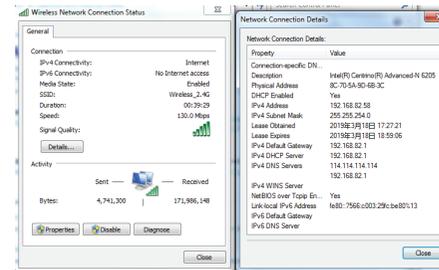
| Gateway | Repeater Mode | WISP Mode | AP Mode (Current Mode) |
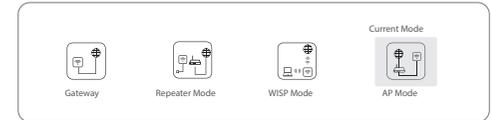
- **Gateway Mode**
  Realize router function, WAN port connect with modem (ADSL cat or Fiber cat) to dial-up, or WAN port dynamic, static IP address to surf the internet.

- **Repeater mode**
  Enables wireless bridge and forwarding without compatible matching with the upper device.

- **WISP Mode**
  Wireless ISP clients connect to the wireless base station by wireless, to achieve local LAN sharing.

- **AP mode**
  Under this 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 .

5/Use mobile phone to login

⑤① Use mobile phone to login

- **Mobile phone login page of AP (login password is admin)**
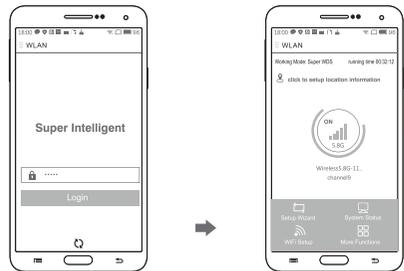
- **When mobile phone connect to AP through wireless, need to configure static IP as below step**

①. Android system setup steps
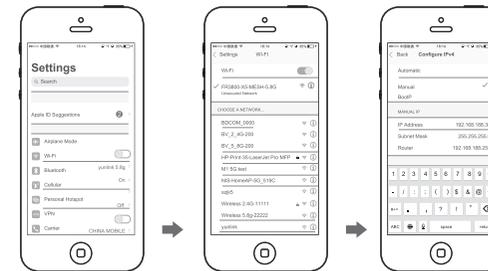
②. IOS system setup steps

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

Open the phone click "settings", choose "WLAN" , find and long press the SSID, pop-up menu select "Static IP", set an static IP 192.168.188.X (X can not be 253 or 252) (the static IP should be same IP segment in AP) for mobile phone, then input the right Gateway IP, network mask and domain name.

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

Click "settings", choose "WLAN", click exclamation mark after connect wireless signal successfully ,setup the static IP 192.168.188.X(X can not be 253 or 252) for mobile phone, then input gateway IP, subnet mask and DNS, please note: the static IP should be in the same IP segment of AP

Common Problem and Solution

Q1: Forget login name and password ?
A1: Reset to factory default: press the reset button for 10 seconds and release it , the device willreboot and revert to factory default settings

Q2: Can not Login wireless AP management through WEB page ?
A2: 1.Check if PC with static IP and if this IP is in the same IP segment of AP, make sure not setto other IP range.
2.Reset AP 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 5 Unshielded Twisted cable .

Q3: Forget wireless network password ?
A3: 1.Connect AP by wired ,login WEB management page-click wireless settings- basic settings-password-set a new password for wireless network.
2.Reset it , the default password is 66666666.

Q4: Can not get IP Address ?
A4: 1.Under gateway and WISP mode, check if DHCP server is on
2.Under repeater and AP mode, check if upper network connection is normal ,or if LAN network DHCP server is working 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 .Afterrebooting,please clear cookie and then login .
NOTE:Once the device is switched to FAT AP mode ,FAC controller will not be able to manage &control it .

Q6: AC device list can not get AP devices ?
A6: The mode for AC controller and AP are different, AC controller with model prefixed in AC is used to control FAT AP, the model prefixed in FAC or BW is used to control FIT AP .
NOTE:All the AP support both FAT and FIT AP mode ,the default mode is FIT AP mode .