

# User Manual



This is the user manual of 11ac 1200Mbps Ceiling AP, which will approximate guide you how to set and apply the Ceiling AP, it provide a convenient graphical interface for network construction and maintenance person, as well as a user through a simple and accurate operation, and configuration management of the ceiling wireless access point.

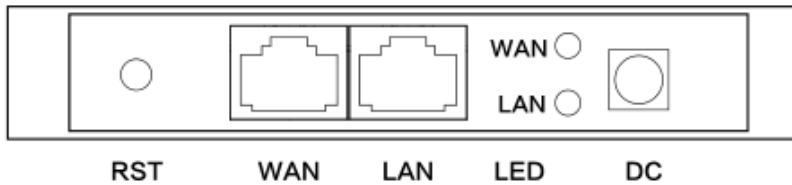
## 1<sup>st</sup> Hardware and Operation mode Instruction



**LED indicator:**

Green: Power Indicator  
Blue: WiFi Indicator

**AP Interface:**



RST: Reset Button, it make AP revert to default data after press it 15 seconds.

WAN: Gigabit WAN Port, connect with ADSL modem or Internet mainly. It will be LAN port under Wireless AP and WiFi Repeater operation mode

LAN: Gigabit LAN Port to end users

LED: LED Indicator of WAN port and LAN port

DC: DC power connector

**Power Supply:**

**1. PoE Adapter Power Supply:**

The connection diagram showed as P1, internet cable connect to PoE adapter's LAN Port, Ceiling AP's WAN port connect to PoE adapter's PoE Port, then PC will access into ceiling AP through cable or wireless

Pls note, if the PD Wireless AP support 24V passive PoE, then the PoE adapter should be 24V Passive PoE,.

If the PD wireless AP support 48V IEEE 802.3af standard PoE, the PoE adapter should be 48V PoE standard.



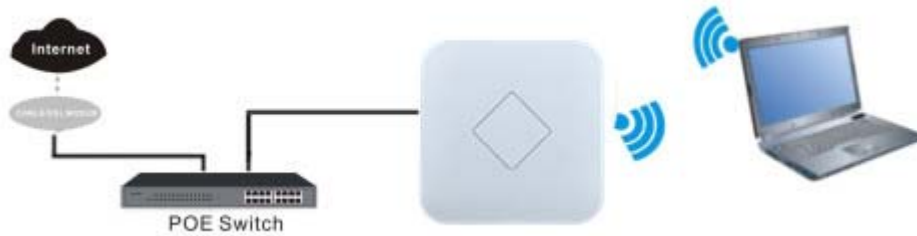
P1

## 2. Powered by PoE Switch

The connection diagram shows as P2, Internet cable from PoE Switch to Ceiling AP's WAN Port, then PC access into ceiling AP wired/wireless.

Pls note, if the PD Wireless AP support 24V passive PoE, then the PoE switch should be 24V Passive PoE,.

If the PD wireless AP support 48V IEEE 802.3af standard PoE, m the PoE switch should comply with 802.3af 48V PoE standard.



P2

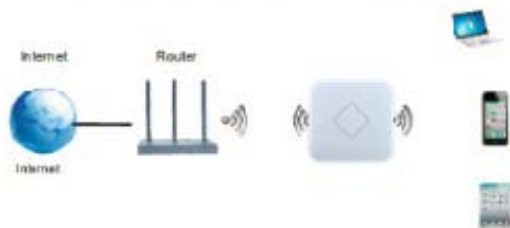
### Operation Mode:

There are three operation mode on this wireless AP:

1. Wireless AP: Plug and Play to transmit Wireless signal for wireless end users from wired networking



2. Wireless Repeater: Wireless receive and transmit, to extend the existing wireless networking for more range.



3. Gateway: Supply WAN connection from DSL, Cable Modem or broadband mobile phone network through PPPoE, Static IP, Dynamic IP



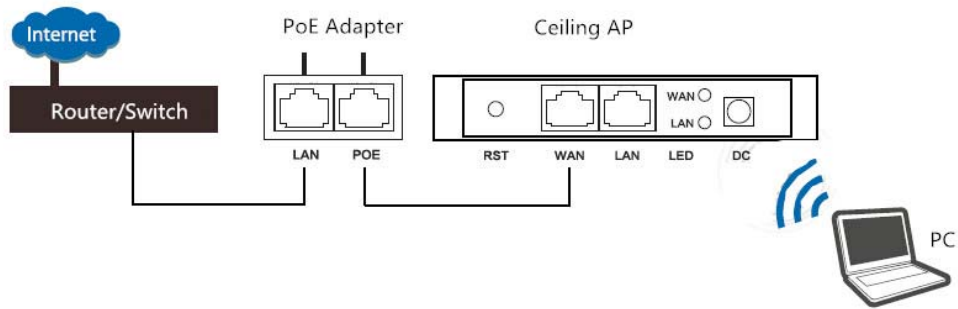
P3 Operation Mode

### Connect Wireless AP with PC:

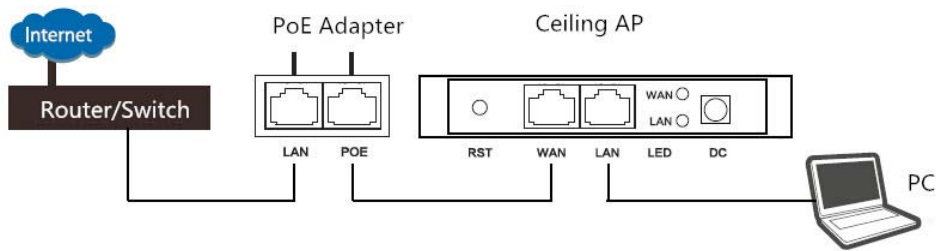
Use can connect the PC with wireless AP by Wireless SSID and LAN cable:

The diagram of wireless connection showed as follow:

Pls note: the default SSID is **WirelessAP2.4G/5.8G**, SSID's password is **66666666**



The diagram of LAN cable connection showed as follow:



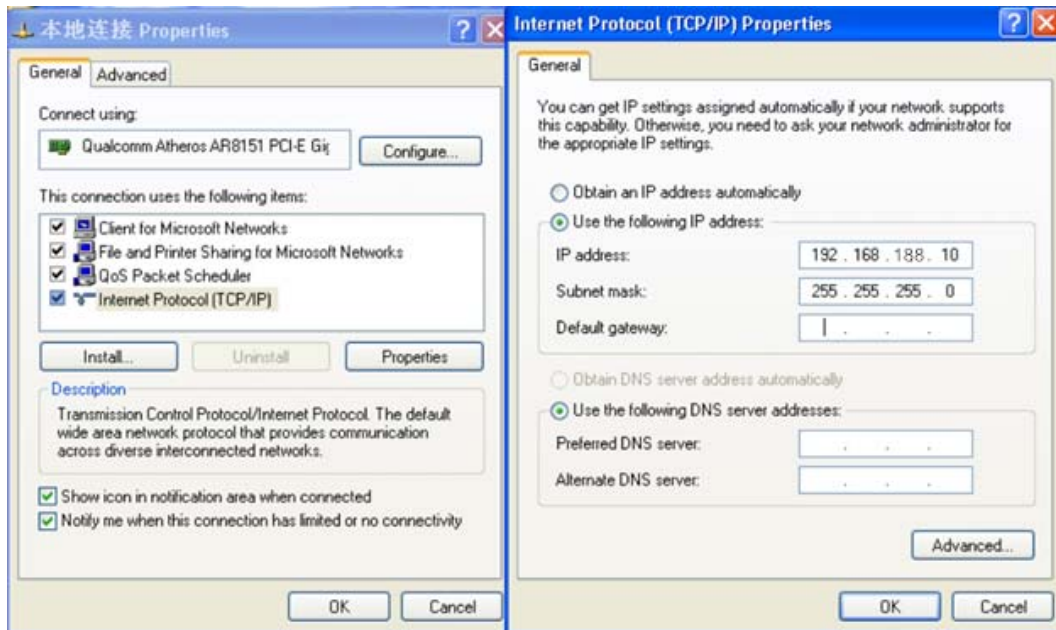
## 2<sup>nd</sup>: Login

1) Connect the Ceiling AP with computer

2) Configure the PC's local connection IP address as 192.168.188.X (X is number from 2 to 254), subnet mask is 255.255.255.0, follow P4 and P5 to finish.



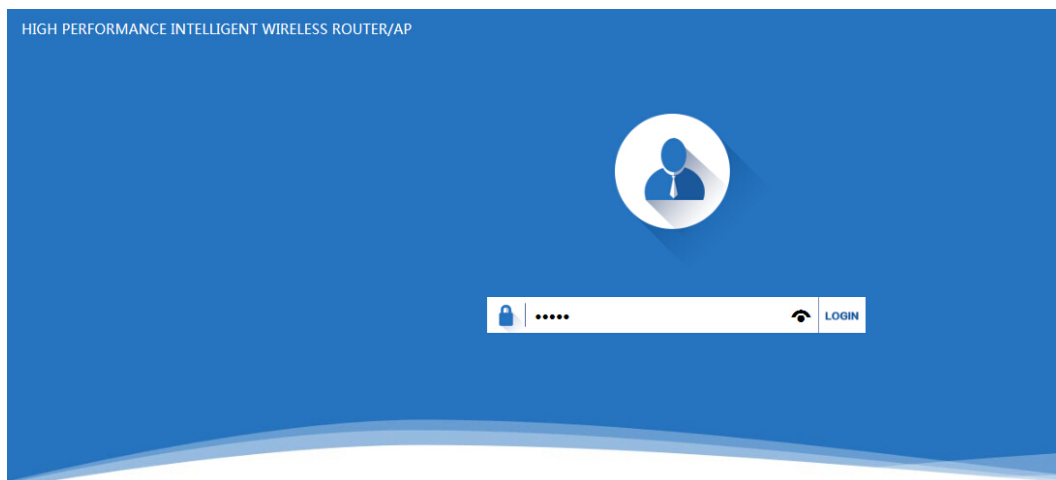
P4 Setting of computer's IP address



P 5 Setting of computer's IP address

3) Input 192.168.188.253 into IE browser, then pop up the login page, the default login user name: Admin,

Passwords: admin, pls do following P6



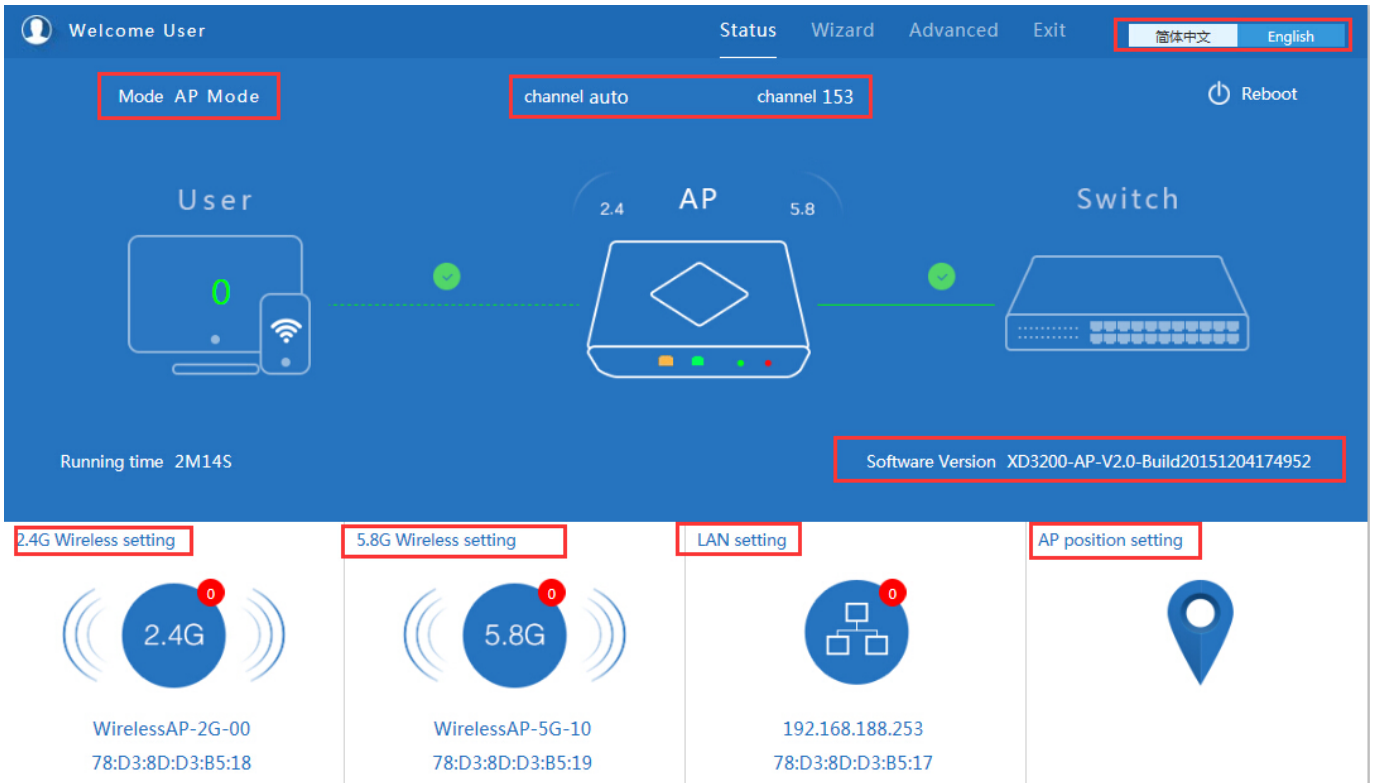
软件版本(version) XD3200-AP-V2.0-Build20151204030606

P6 Login

3<sup>rd</sup> : WEB GUI interface Setting:

### 1) Status

After login, then P7 Device Status will be showed:

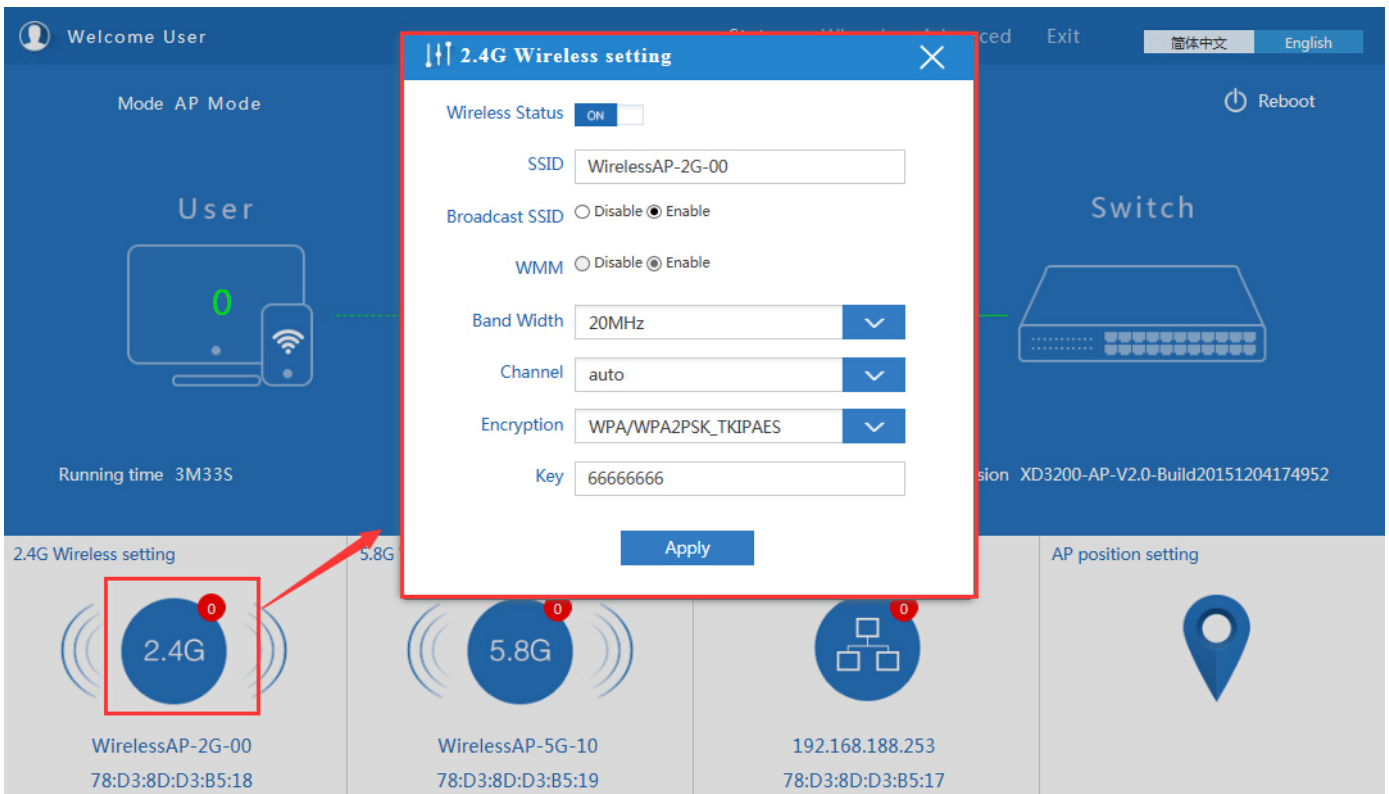


P7: Device Status

In this ceiling wireless AP, the default operation mode is AP mode.

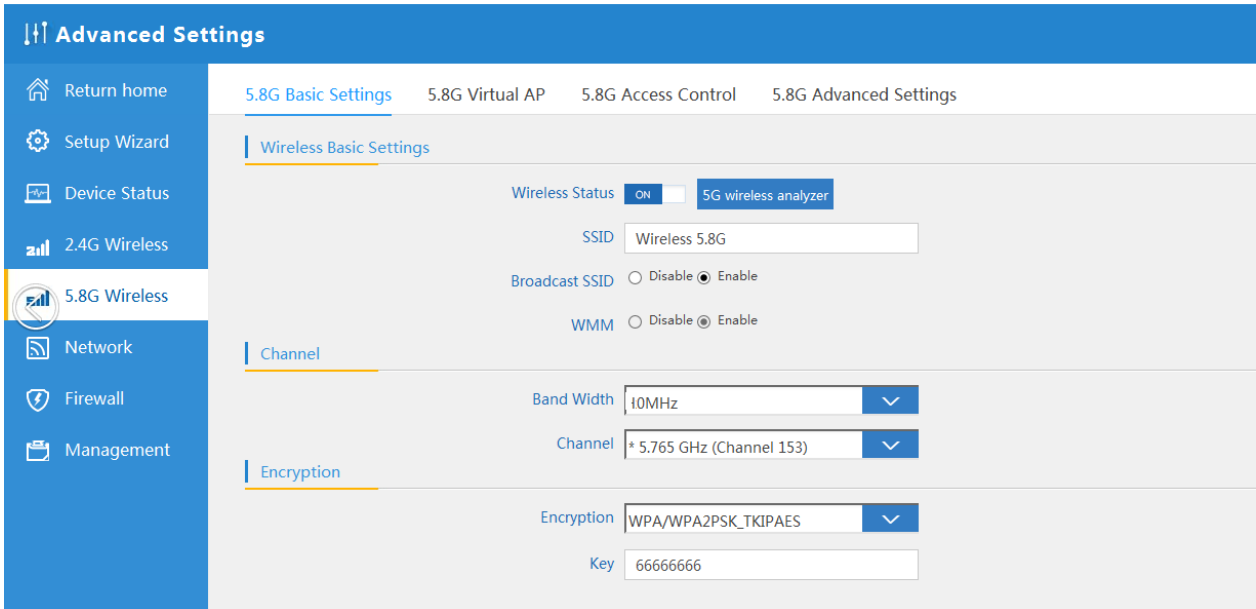
Then in 2.4G Wireless Setting, GUI configuration page showed as below:

User can configure the SSID, password, band width, channel here, then Apply to finish.



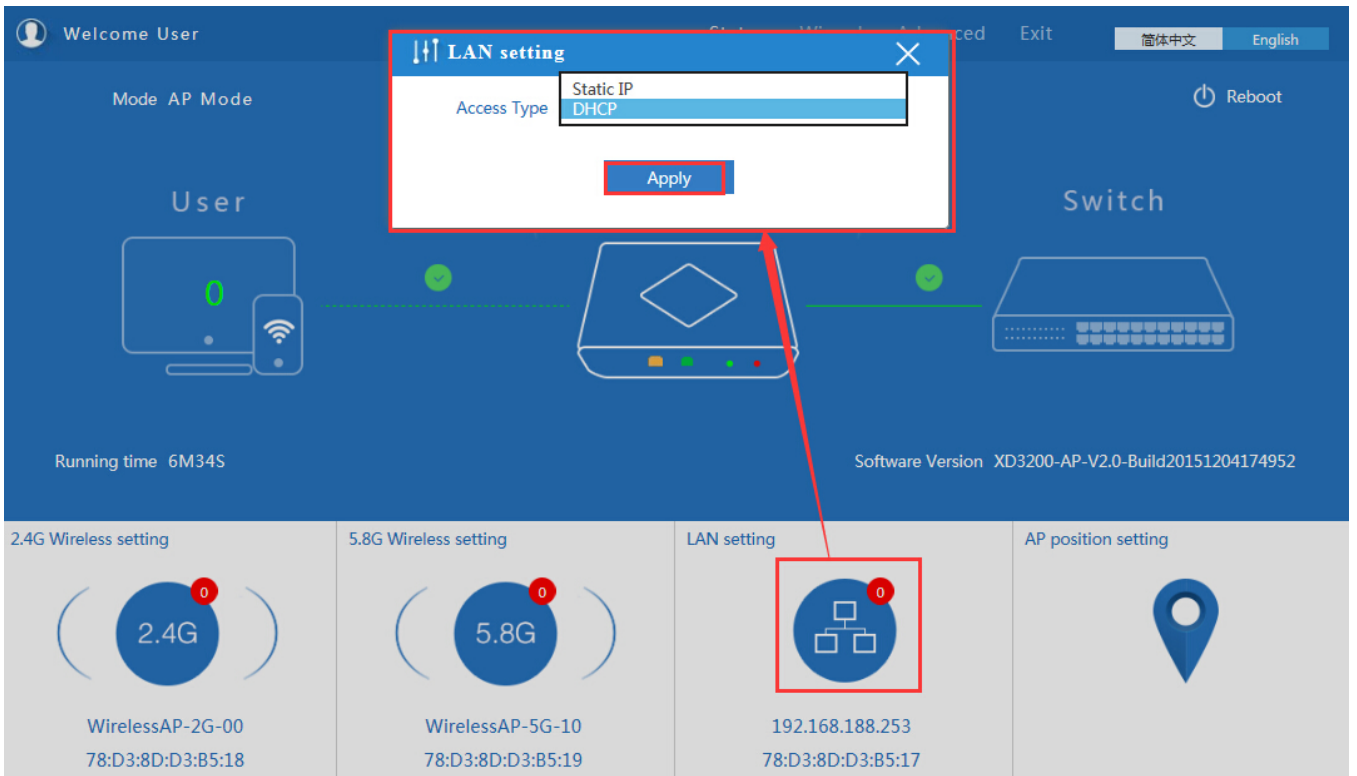
## P8. 2.4G Wireless setting

5.8G Wireless Setting GUI configuration setting showed as P8:



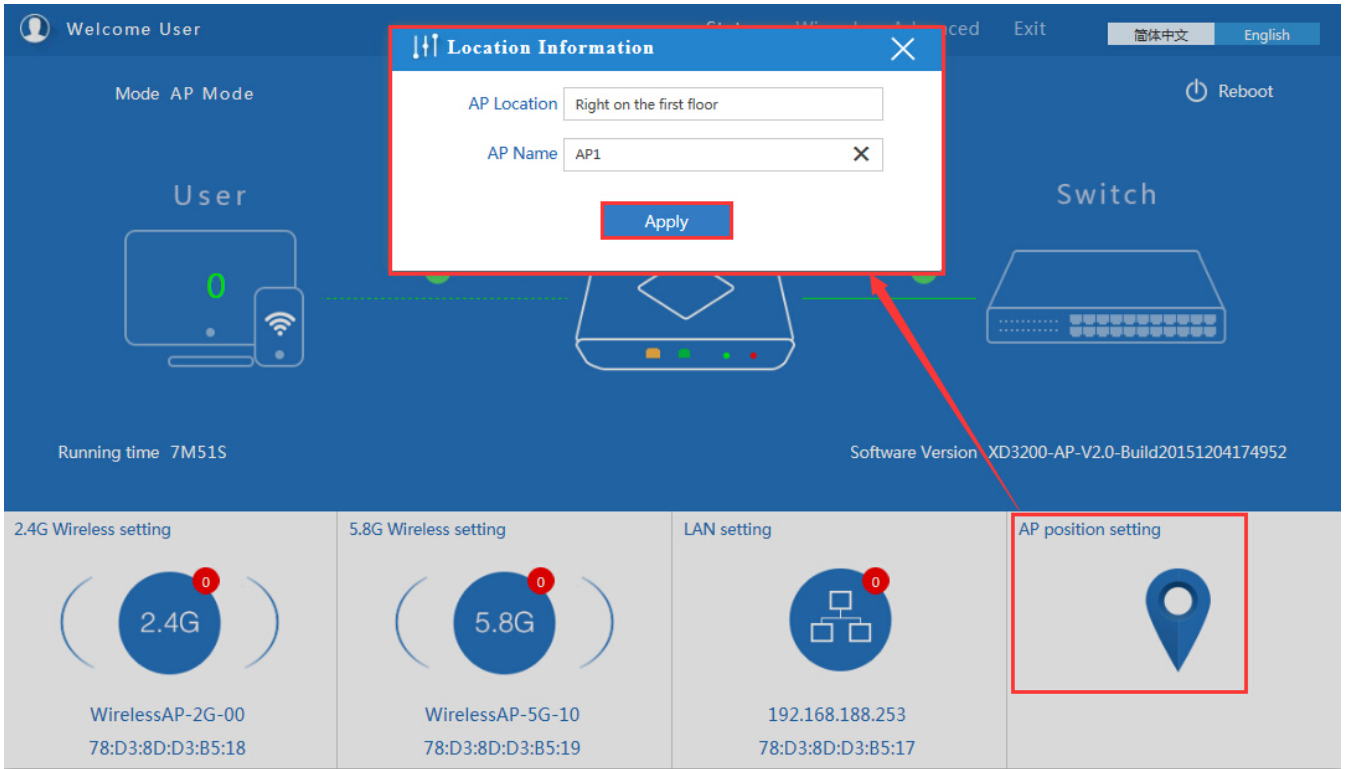
P9 5.8G Wireless Setting

LAN Setting to configure the DHCP or Fix IP



P10 LAN Setting

AP location setting: can mark where the AP set up, and AP name as P11:

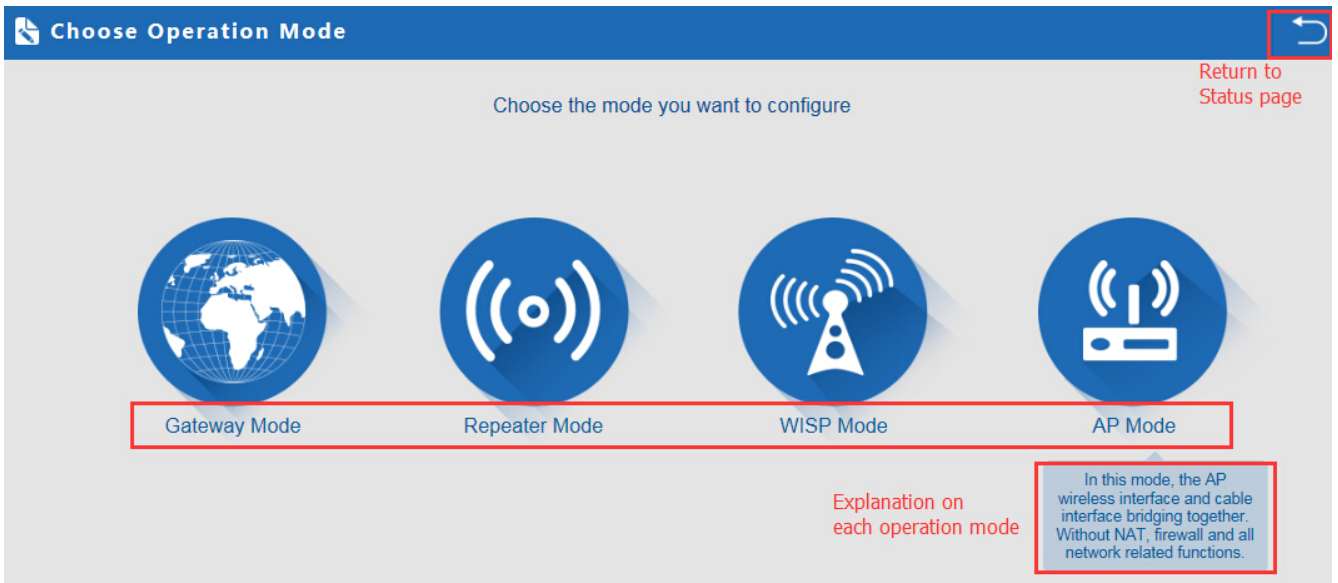


P11 AP Position setting

## 2) Wizard Configuration:

Click Wizard in Status page, will pop up following page to configure the operation mode:

There are four operation mode of this ceiling wireless AP, and there are explanation for each operation mode for better application.



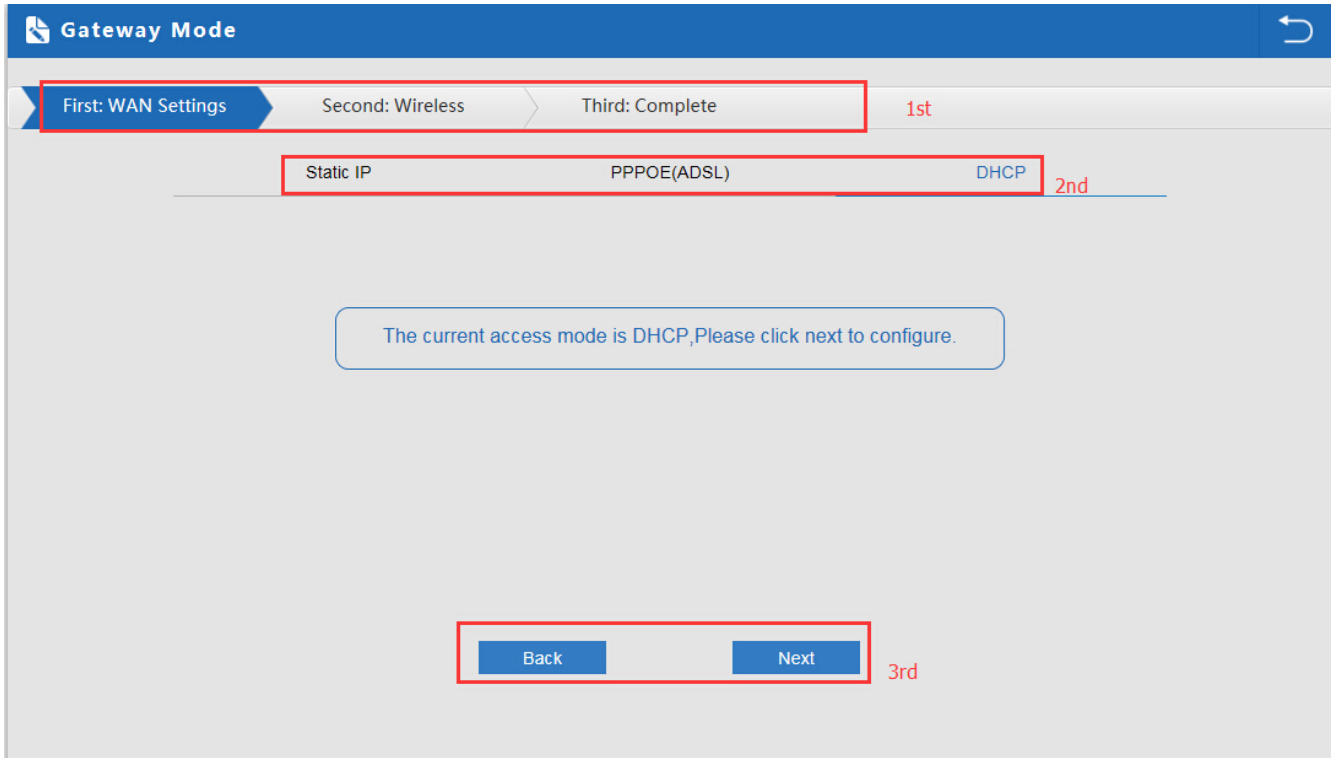
P12 Operation mode



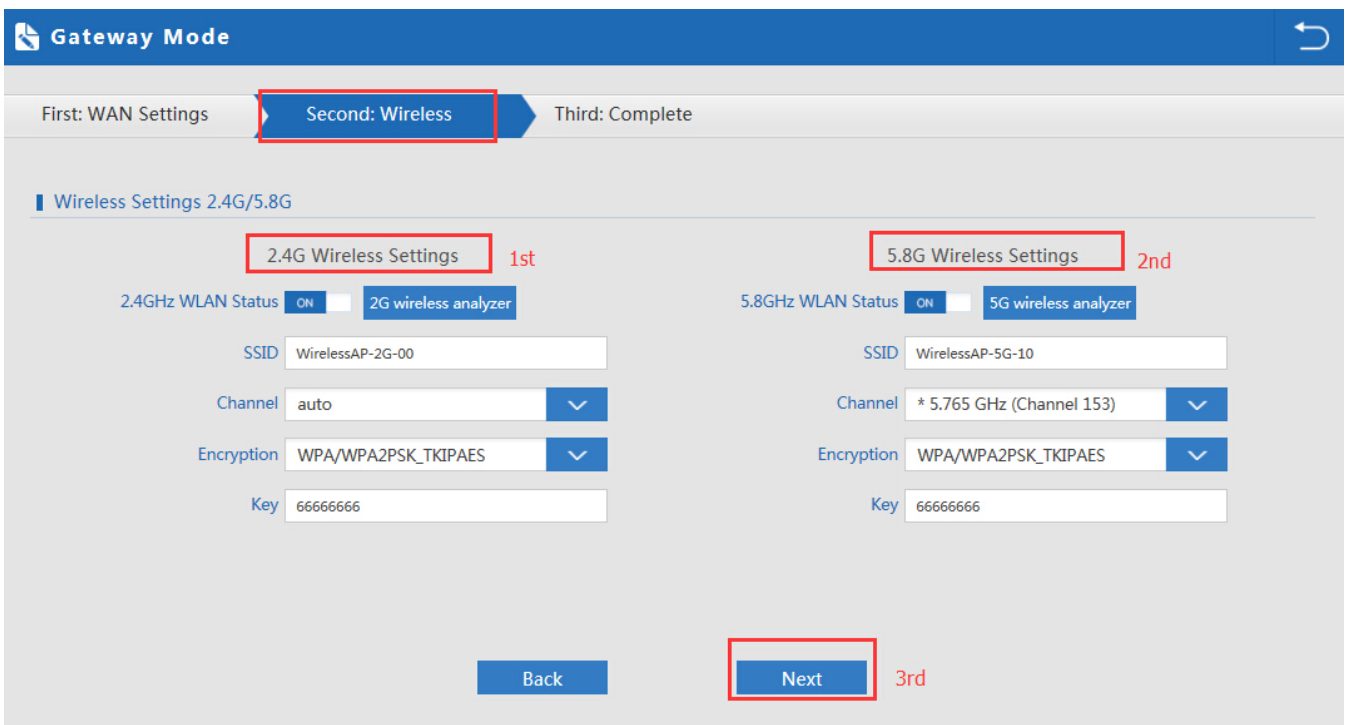
### 1. Gateway Mode:

Click Gateway mode, will pop up following pictures:

Pls choose the right WAN setting mode, then click next to continue.

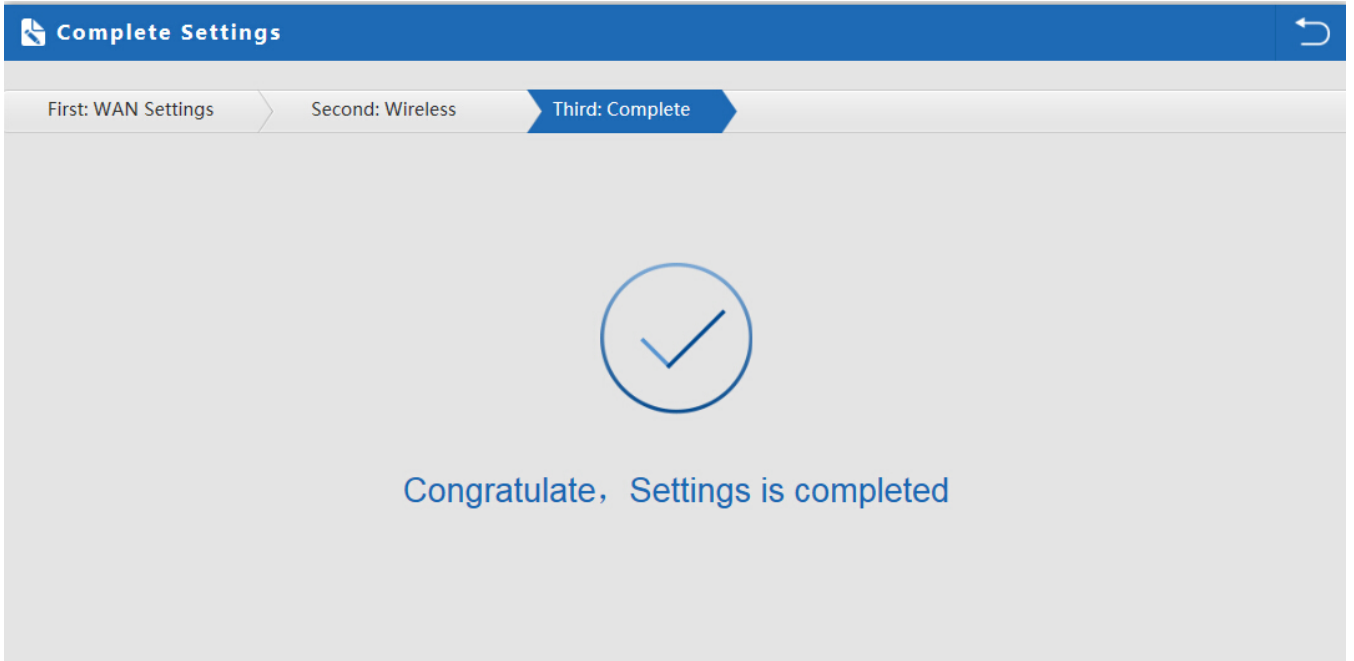


P13. WAN setting in Gateway Mode



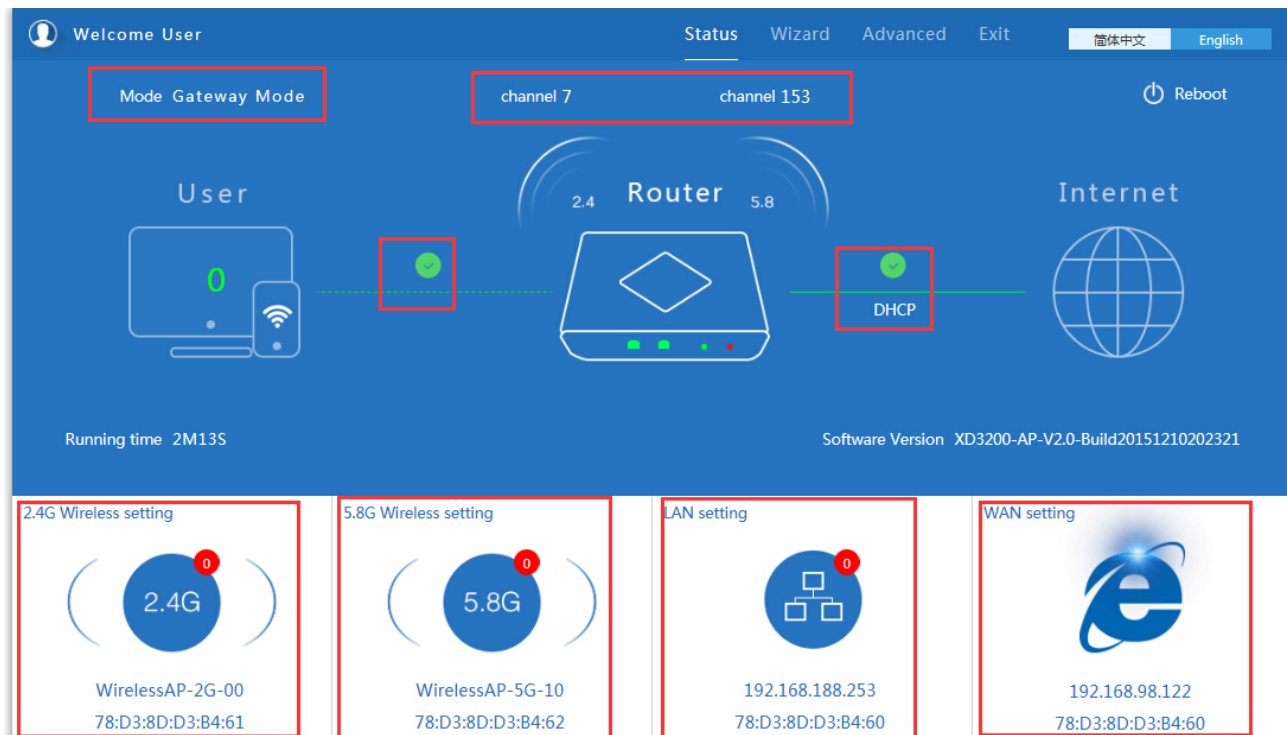
### P14 Wireless Setting in Gateway Mode

When click Next, then will complete the Gateway mode setting and show following picture:



### P15 Complete the setting in Gateway Mode

When return to Status, the page showed as follow:



### P16 Status in Gateway Mode

## 2. WiFi Repeater mode

Click WiFi Repeater operation mode in Wizard, then following page will pop up, and choose the right SSID to bridge, then next.

Repeater Mode

First: Repeater **1st** Second: Wireless Third: Complete

Wireless Repeater

Wireless Repeater: 2.4G

Authentication: none

Repeater SSID

Scan AP

2nd

Scan AP

WirelessAP-2G-00  
78:D3:8D:D3:84:D3 Channel: 7  
RSSI: -94 dBm Encryption: WPA/WPA2PSK\_TKIPAES Choice

WirelessAP-2G-00  
78:D3:8D:D3:84:A6 Channel: 7  
RSSI: -83 dBm Encryption: WPA/WPA2PSK\_TKIPAES Choice

WirelessAP-2G-00  
78:D3:8D:D3:84:EE Channel: 7  
RSSI: -82 dBm Encryption: WPA/WPA2PSK\_TKIPAES Choice

WirelessAP-2G-00

Refresh

3rd

Back Next 4th

P17 Repeater Mode

After click Next button, then should configure the wireless setting as follow, then click Next to finish:

Repeater Mode

First: Repeater Second: Wireless **Third: Complete**

Wireless Settings 2.4G/5.8G

5.8G Wireless Settings

5.8GHz WLAN Status **ON** 5G wireless analyzer

SSID: WirelessAP-5G-10

Channel: \* 5.765 GHz (Channel 153)

Encryption: WPA/WPA2PSK\_TKIPAES

Key: 66666666

Back Next

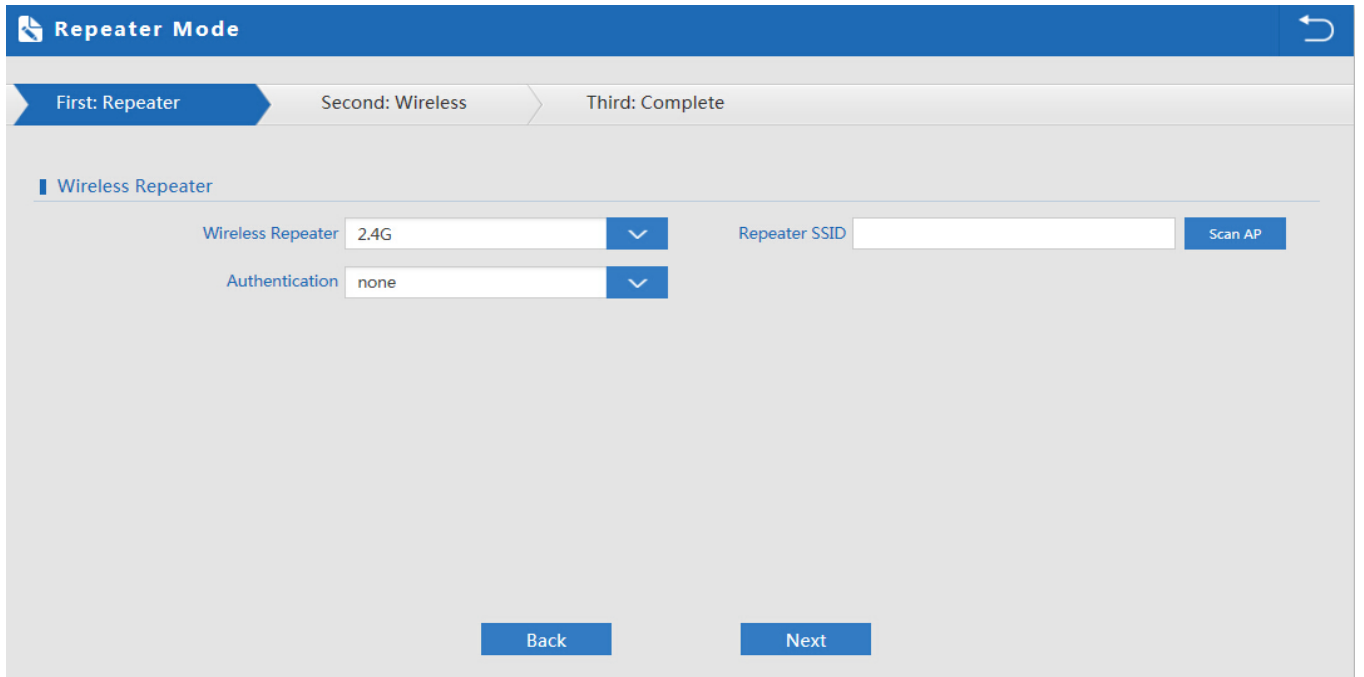
P18 Wireless Setting in Repeater Mode

Click Return button, will back to Status, show Repeater mode data, show fail or success, and user can configure this data in this page if required.



P19 Status in Repeater Mode

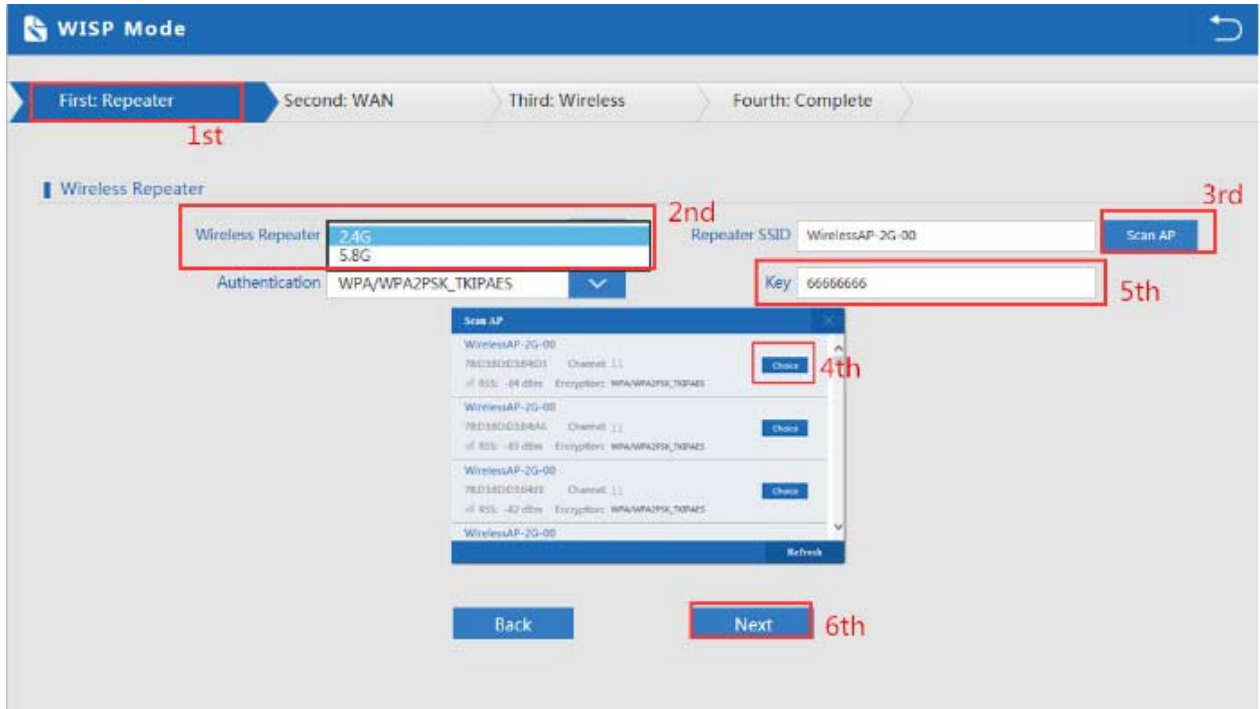
Pls note, when click wireless relay setting, following page will pop up, you can make change from here easy:



P20 Wireless Relay Setting

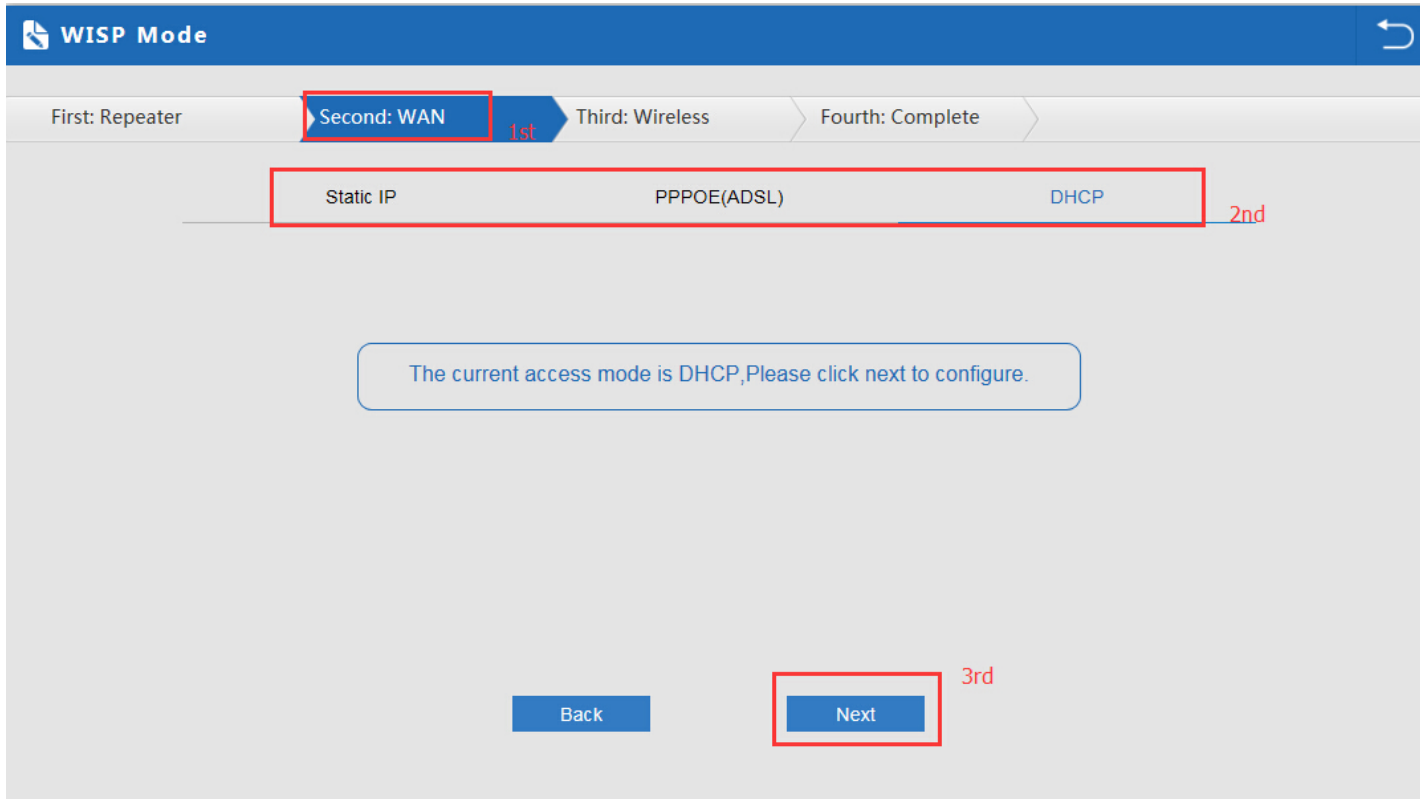
### 3. WISP Operation mode:

Click WISP operation mode in Wizard, then will pop up the configure page, pls set the WISP operation mode based on the steps showed in picture:



### P21 WISP Mode

Configure the right WAN setting in WISP operation mode, then next.



## P22 WAN setting in WISP mode

Configure wireless data showed as follow:

**WISP Mode**

First: Repeater > Second: WAN > **Third: Wireless** > Fourth: Complete

1st

**Wireless Settings 2.4G/5.8G**

5.8G Wireless Settings

5.8GHz WLAN Status  ON  OFF **5G wireless analyzer**

SSID

Channel  ▼

Encryption  ▼

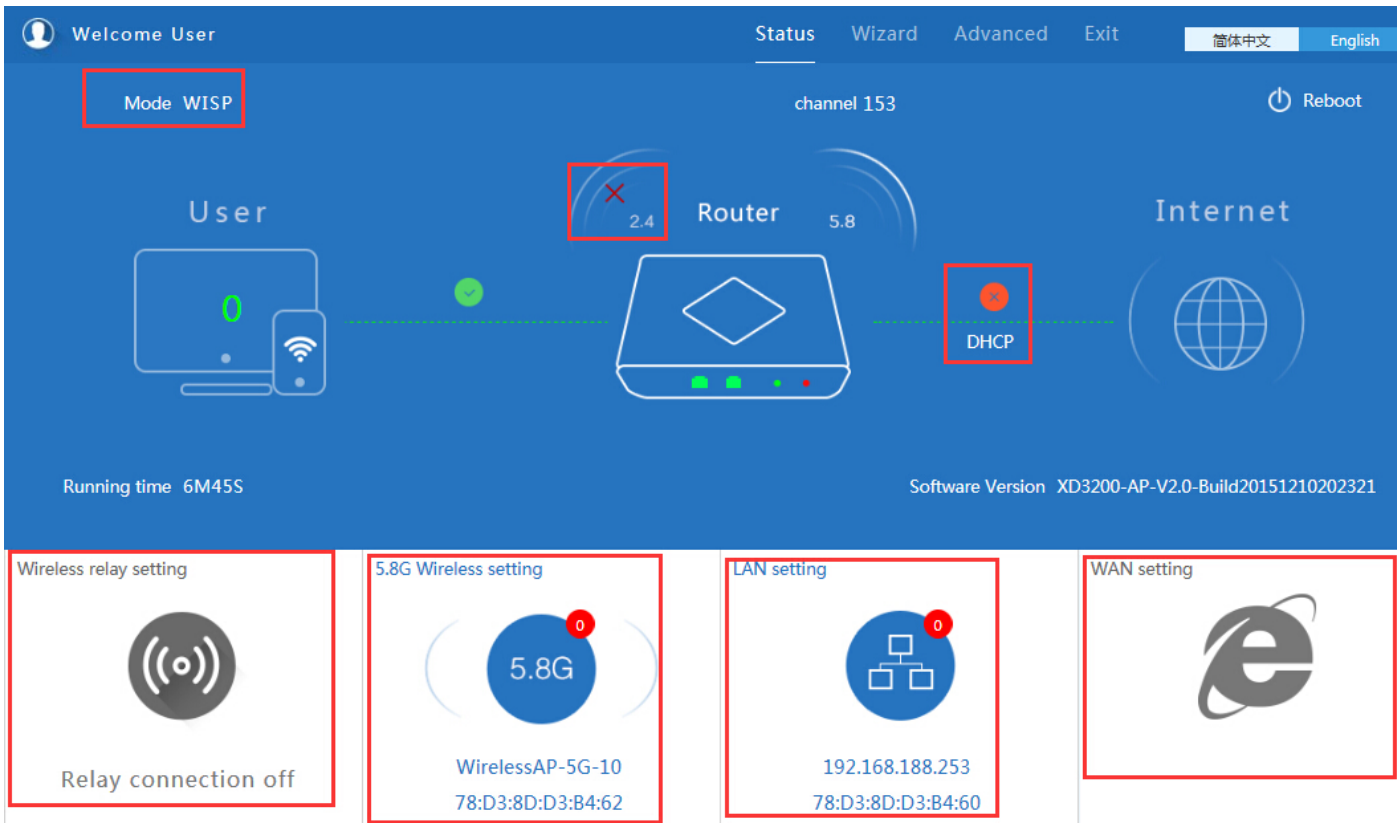
Key

2nd

Back  3rd

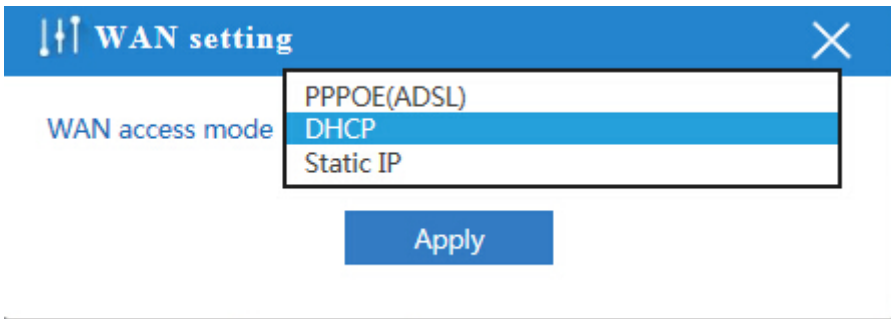
## P23 Wireless Setting in WISP mode

Then complete and back to status, will show the connection fail or success, then can configure the data based on request:



P24 Status in WISP mode

Remark: When click WAN Setting, will pop up following picture:



P25 WAN setting in WISP mode

#### 4. AP Operation mode:

Set the wireless data, AP Location info as required, then click next to continue and enter into LAN setting.

After LAN setting, complete the AP mode configuration and back to Status:

**AP Mode**

First: Wireless    Second : LAN    Third:Complete

Wireless Settings 2.4G/5.8G

2.4G Wireless Settings

2.4GHz WLAN Status  2G wireless analyzer

SSID

Channel  ▾

Encryption  ▾

Key

5.8G Wireless Settings

5.8GHz WLAN Status  5G wireless analyzer

SSID

Channel  ▾

Encryption  ▾

Key

Location Information

AP Location

AP Name

Back    Next

P26 Wireless setting in AP Mode

**AP Mode**

First: Wireless    **Second : LAN**    Third:Complete

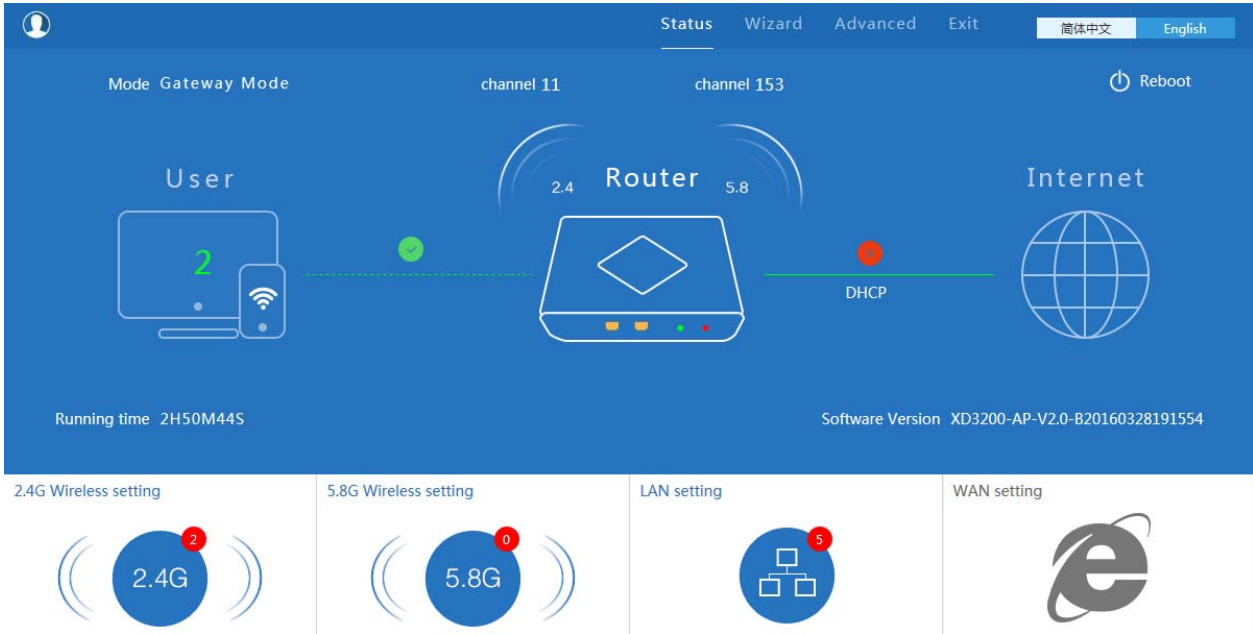
LAN setting

Access Type

Back    **Next**

P27 LAN Setting in AP Mode





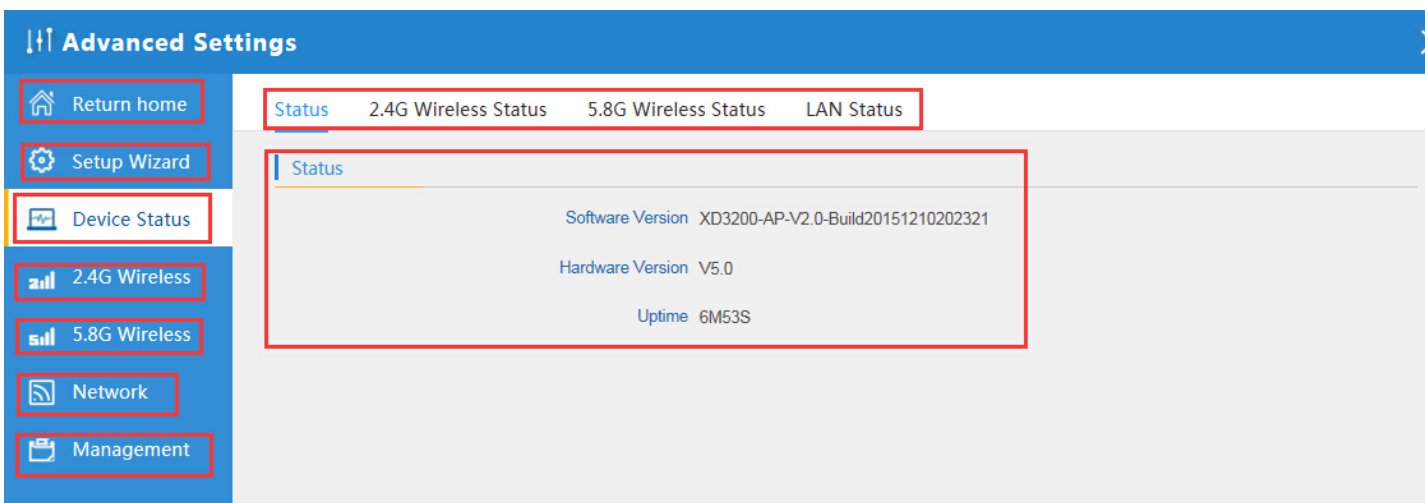
P28 Status in AP Mode

### 3) Advanced Setting:

In advanced setting, user can check the ceiling AP's firmware version, working status, 2.4G wireless, 5.8G Wireless, LAN Status, upgrade firmware, Reset...

Let's Click Advanced Setting in status page, will show return home, Setup Wizard which we showed before.

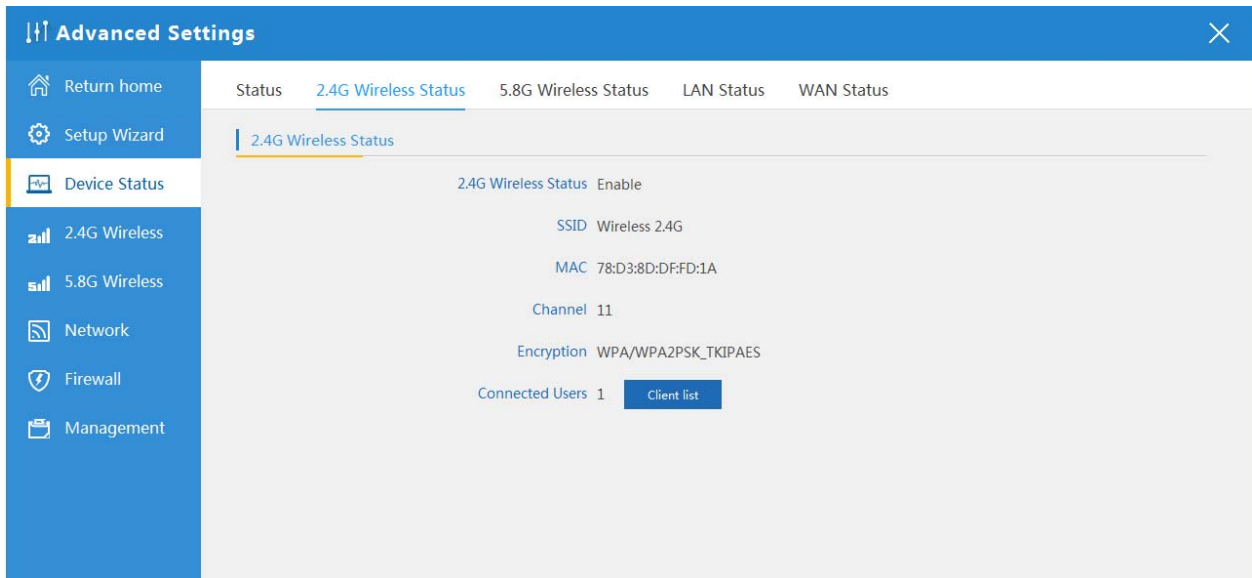
Let's shown mode in Device Status, 2.4G Wireless, 5.8G Wireless, Network and Management.



P29 Device Status

**Device Status:** In this page, mainly to check the ceiling AP's status in firmware version, 2.4G Wireless, 5.8G Wireless

and LAN status:



The screenshot shows the 'Advanced Settings' interface for a device. The left sidebar contains navigation options: Return home, Setup Wizard, Device Status (highlighted), 2.4G Wireless, 5.8G Wireless, Network, Firewall, and Management. The main content area has tabs for Status, 2.4G Wireless Status (selected), 5.8G Wireless Status, LAN Status, and WAN Status. The 2.4G Wireless Status page displays the following information:

- 2.4G Wireless Status: Enable
- SSID: Wireless 2.4G
- MAC: 78:D3:8D:DF:FD:1A
- Channel: 11
- Encryption: WPA/WPA2PSK\_TKIPAES
- Connected Users: 1 (with a 'Client list' button)

P30 2.4G Wireless Status



The screenshot shows the 'Advanced Settings' interface for a device. The left sidebar contains navigation options: Return home, Setup Wizard, Device Status (highlighted), 2.4G Wireless, 5.8G Wireless, Network, and Management. The main content area has tabs for Status, 2.4G Wireless Status, 5.8G Wireless Status (selected), LAN Status, and WAN Status. The 5.8G Wireless Status page displays the following information:

- 5.8G Wireless Status: Enable
- SSID: WirelessAP-5G-10
- MAC: 78:D3:8D:D3:B4:62
- Channel: 153
- Encryption: WPAWPA2\_TKIPAES
- Connected Users: 0 (with a 'Client list' button)

P31 5.8G Wireless Status

**Advanced Settings**

- Return home
- Setup Wizard
- Device Status**
- 2.4G Wireless
- 5.8G Wireless
- Network
- Management

Status    2.4G Wireless Status    5.8G Wireless Status    **LAN Status**

**LAN Status**

LAN IP 192.168.188.253

Subnet Mask 255.255.255.0

MAC 78:D3:8D:D3:B4:60

Manage server IP 192.168.188.1

DHCP Status Disable

DHCP address range 192.168.188.2 — 192.168.188.252

Assigned IP 0    **Client list**

P32 LAN Status

**2.4G Wireless Setting:**

In this part, will show the 2.4G Basic Setting, Virtual AP, Access control and Advanced Setting:

**Advanced Settings**

- Return home
- Setup Wizard
- Device Status
- 2.4G Wireless**
- 5.8G Wireless
- Network
- Firewall
- Management

2.4G Basic Settings    2.4G Virtual AP    2.4G Access Control    2.4G Advanced Settings

**Wireless Basic Settings**

Wireless Status  ON    2G wireless analyzer

SSID Wireless 2.4G

Broadcast SSID  Disable  Enable

WMM  Disable  Enable

**Channel**

Band Width 20MHz

Channel 2.462 GHz (Channel 11)

**Authentication**

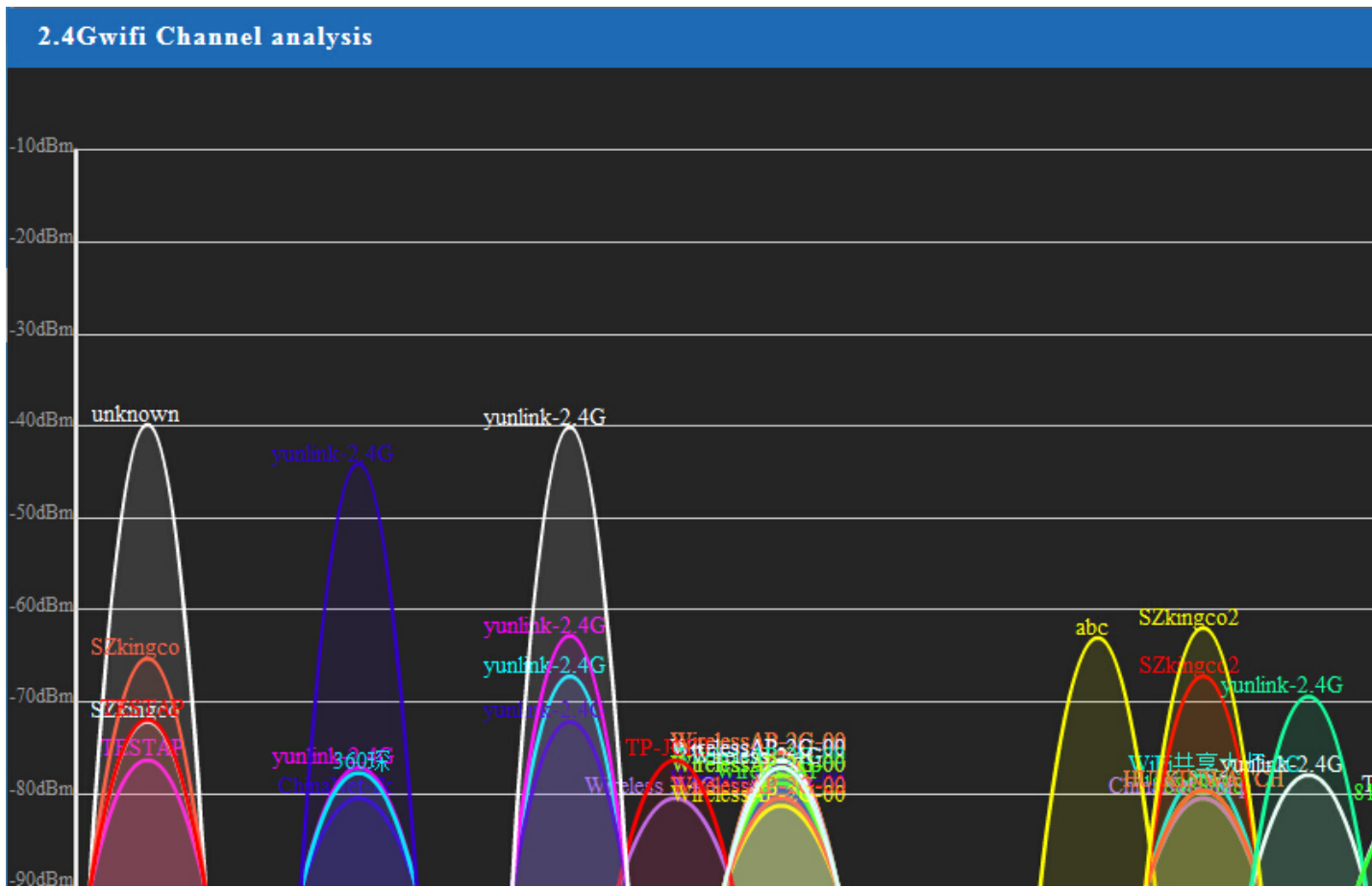
Encryption WPA/WPA2PSK\_TKIPAES

Key 66666666

P33 Basic Setting in 2.4G Wireless

2G Wireless Analyzer: Mainly to analyze the AP's signal strength in some channel, to make user more easy to choose the right channel

and avoid the wifi interface.



P34 Wireless Analyzer

**Virtual AP:**

There are 3 virtual AP in 2.4G wireless, if need virtual SSID, then users can configure it showed in following picture: