User Manual of 11ac 1200Mbps Ceiling AP

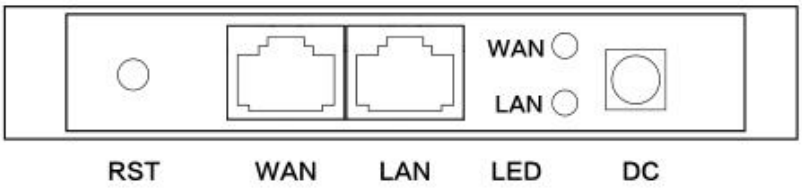
This is the user manual of 11ac 1200Mbps Ceiling AP, which will approximate guide you how to set and apply the Ceiling AP, it provide a convenient graphical interface for network construction and maintenance person, as well as a user through a simple and accurate operation, and configuration management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

1st 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.

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.

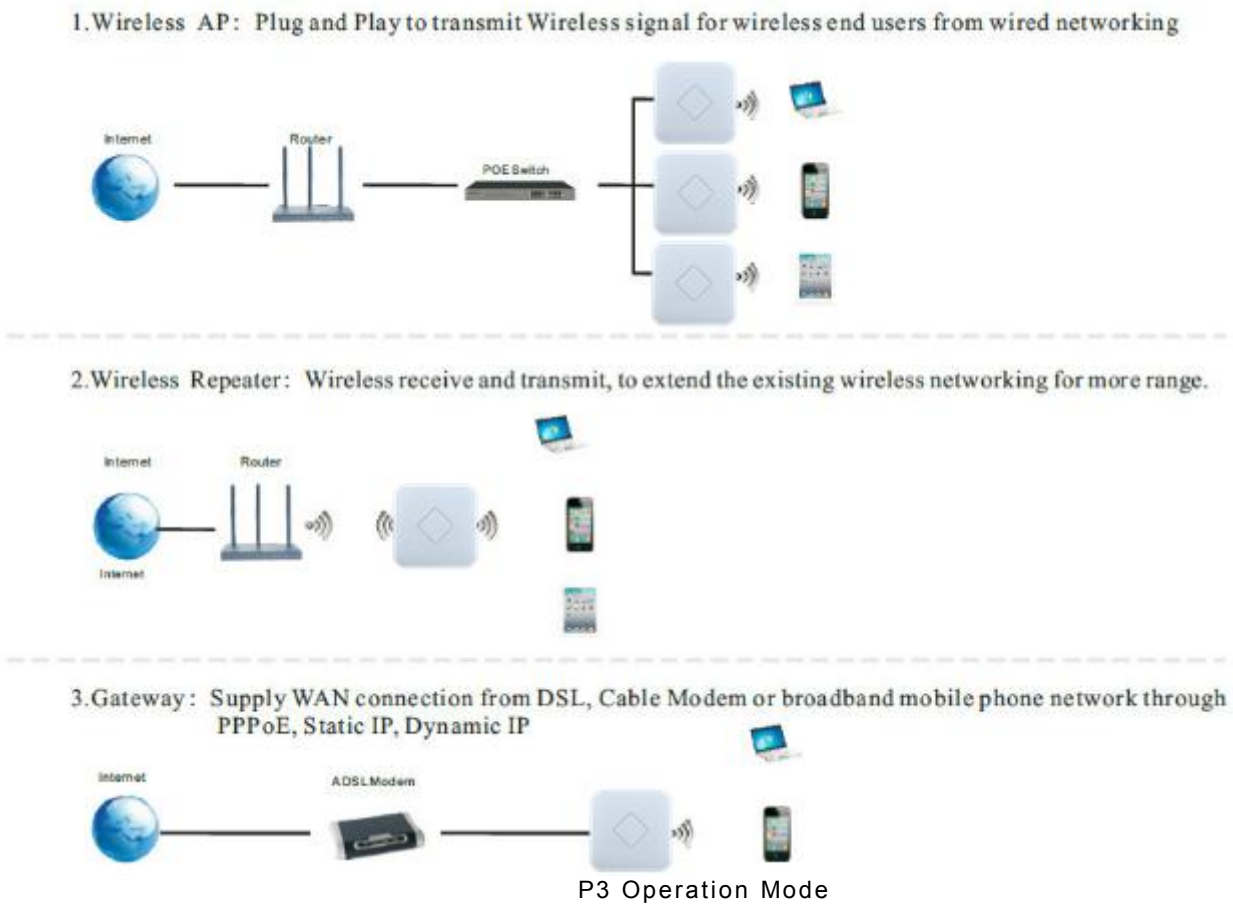
Pls note, if the PD Wireless AP support 24V passive PoE, then the PoE switch should be 24V Passive PoE,.

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:

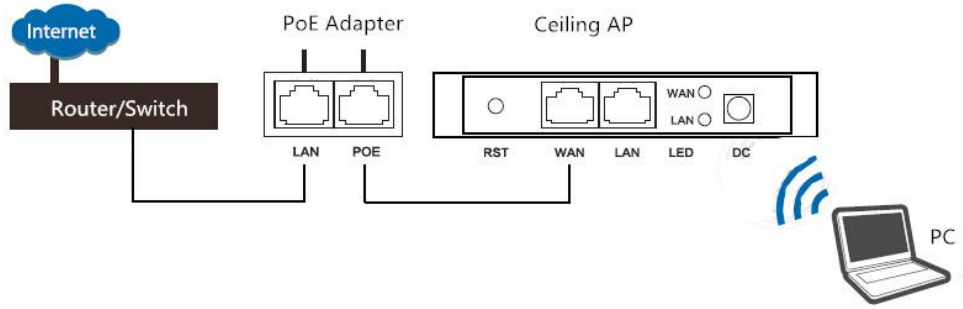
There are three operation mode on this wireless AP:



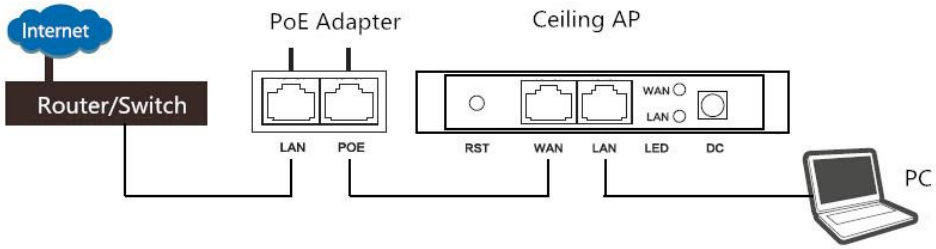
P3 Operation Mode

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:

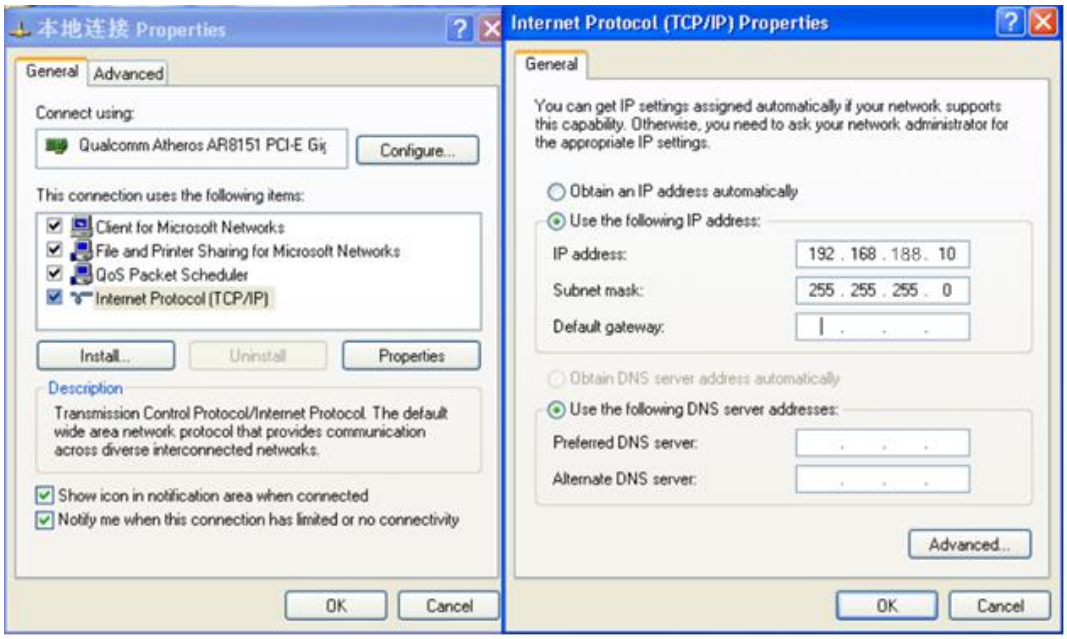


2nd：Login

1）Connect the Ceiling AP with computer

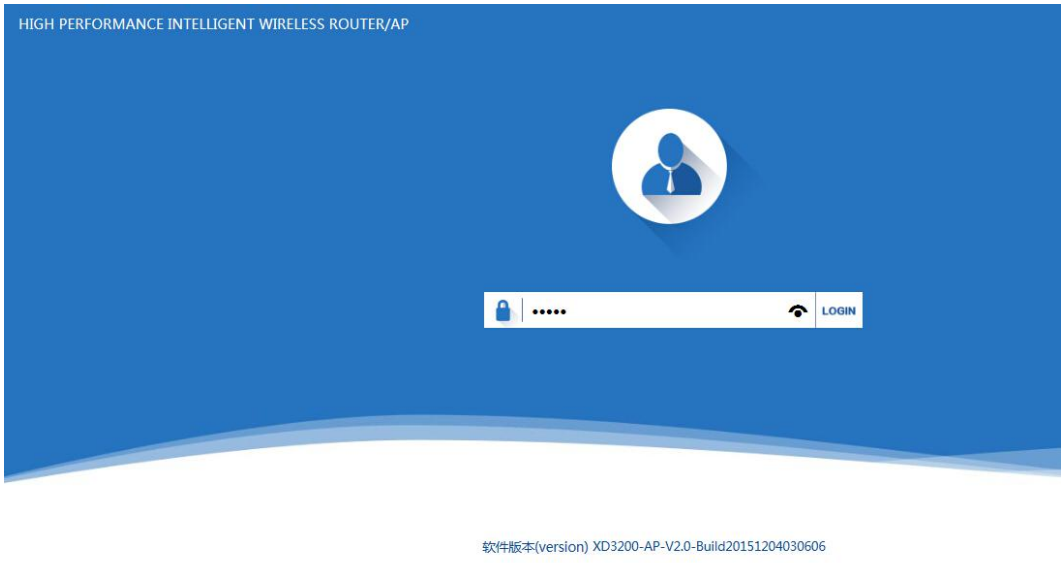
2）Configure the PC's local connection IP address as 192.168.188.X (X is number from 2 to 254), subnet mask is 255.255.255.0, follow P4 and P5 to finish.

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



P6 Login

3rd : WEB GUI interface Setting:

1) Status

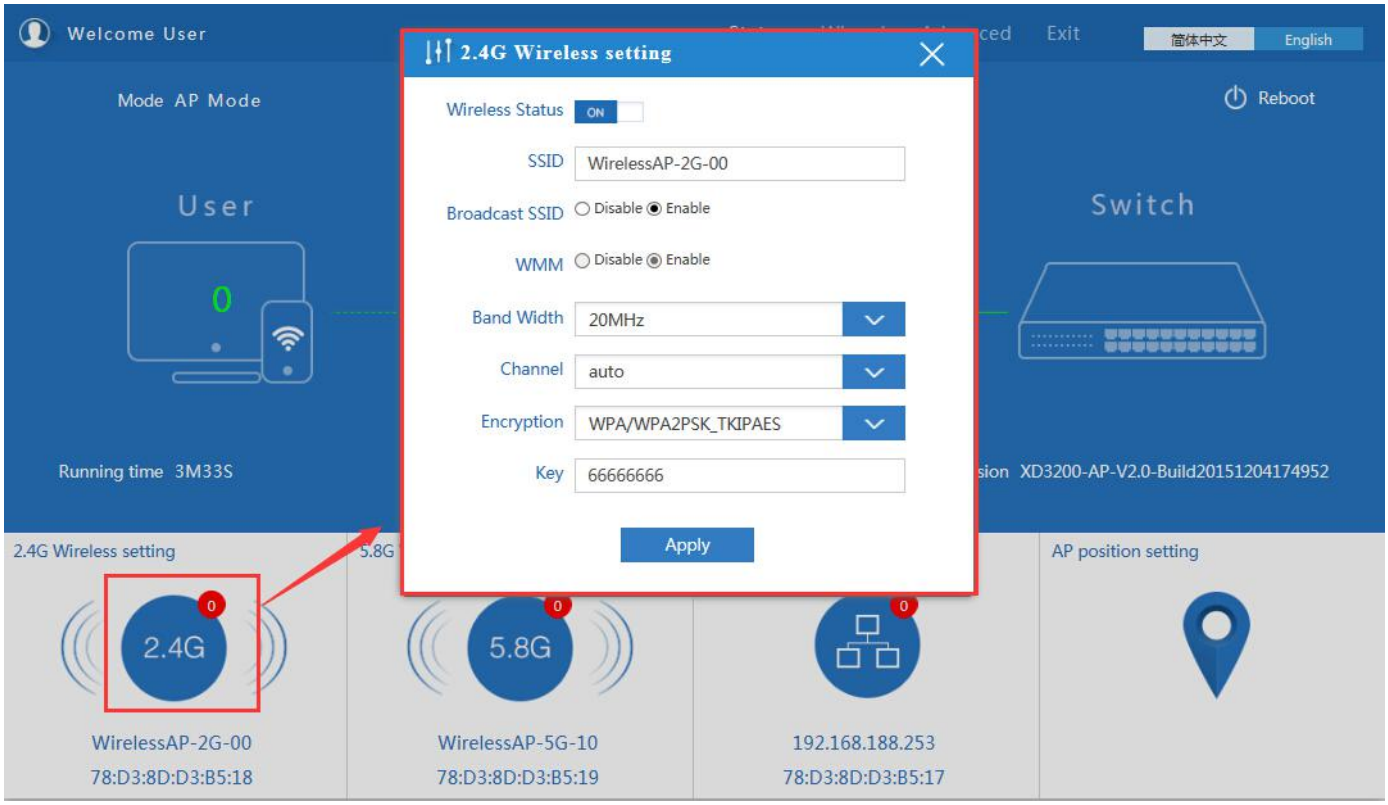
After login, then P7 Device Status will be showed:

P7: Device Status

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

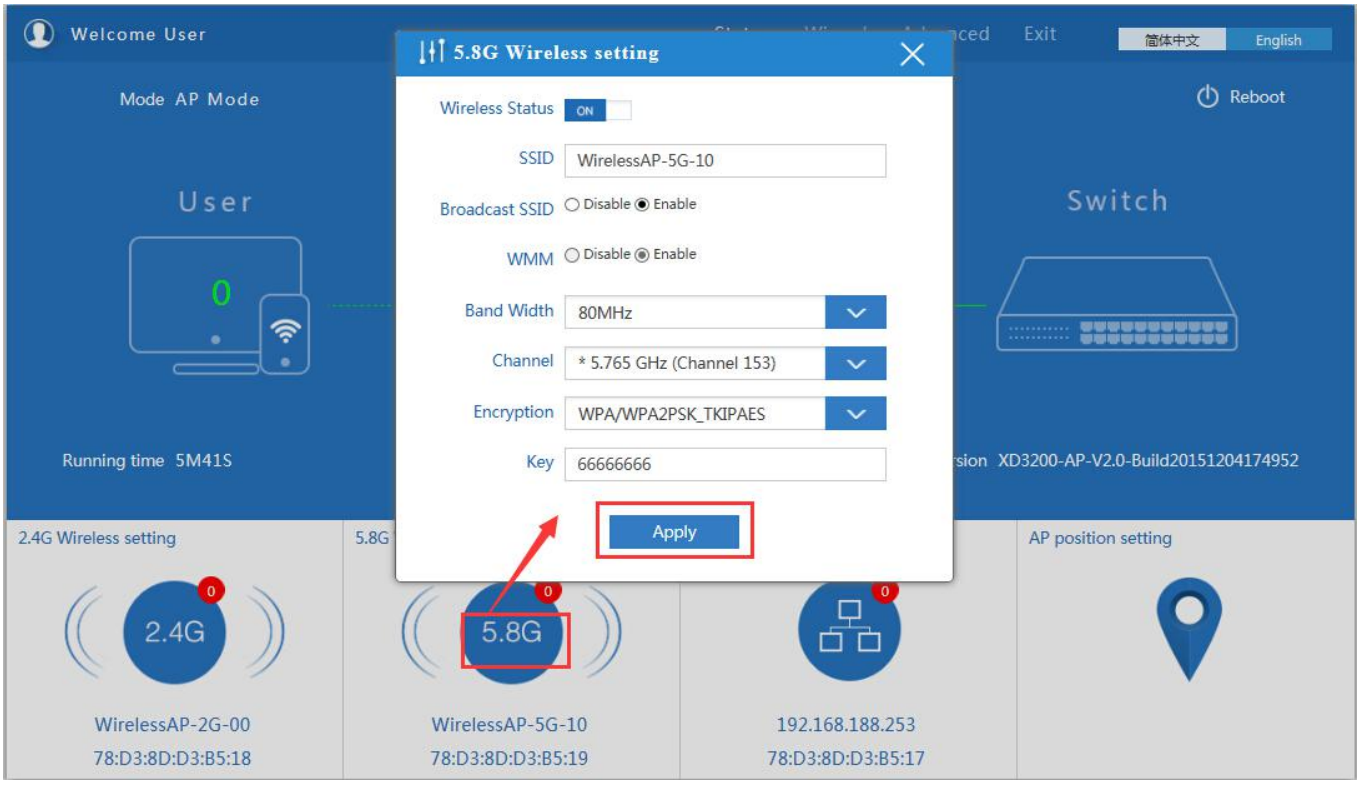
Then in 2.4G Wireless Setting, GUI configuration page showed as below:

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



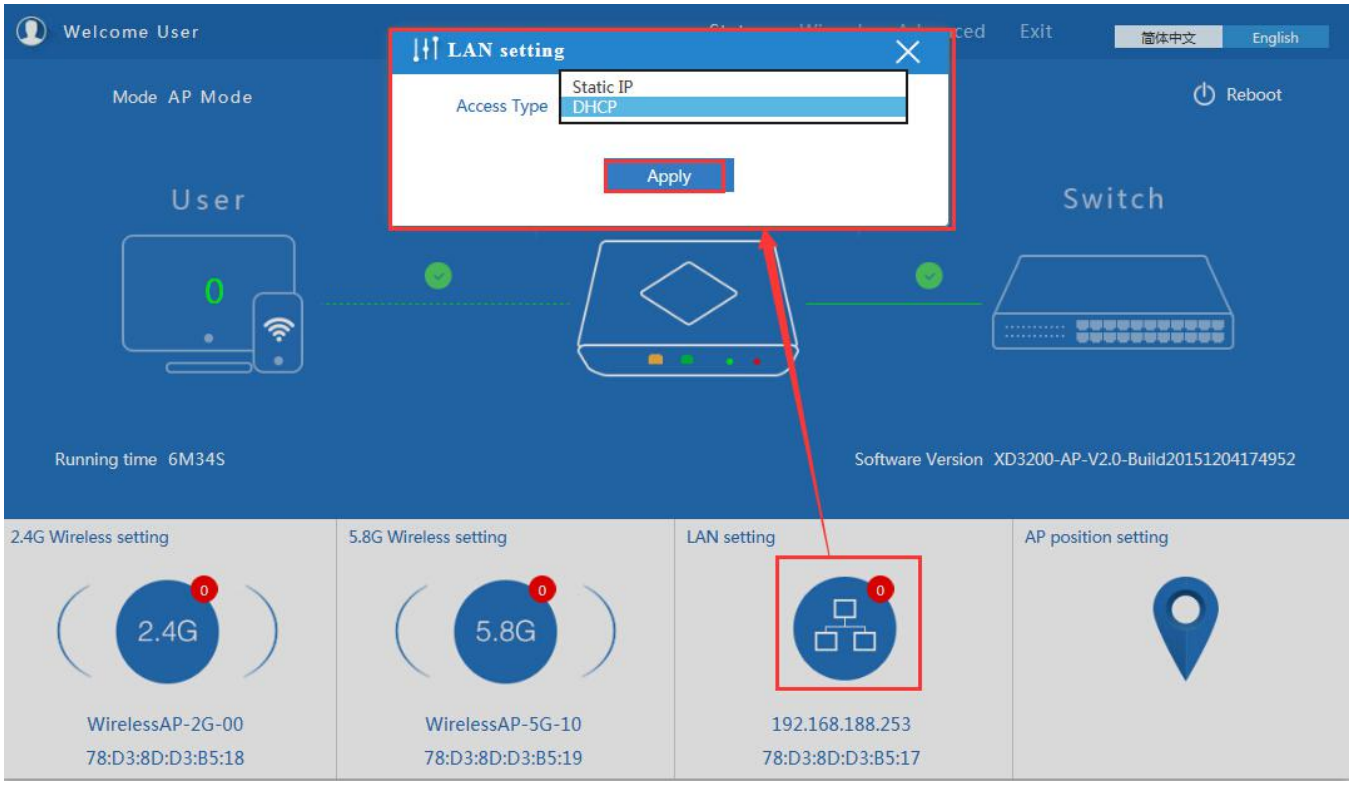
P8. 2.4G Wireless setting

5.8G Wireless Setting GUI configuration setting showed as P8:



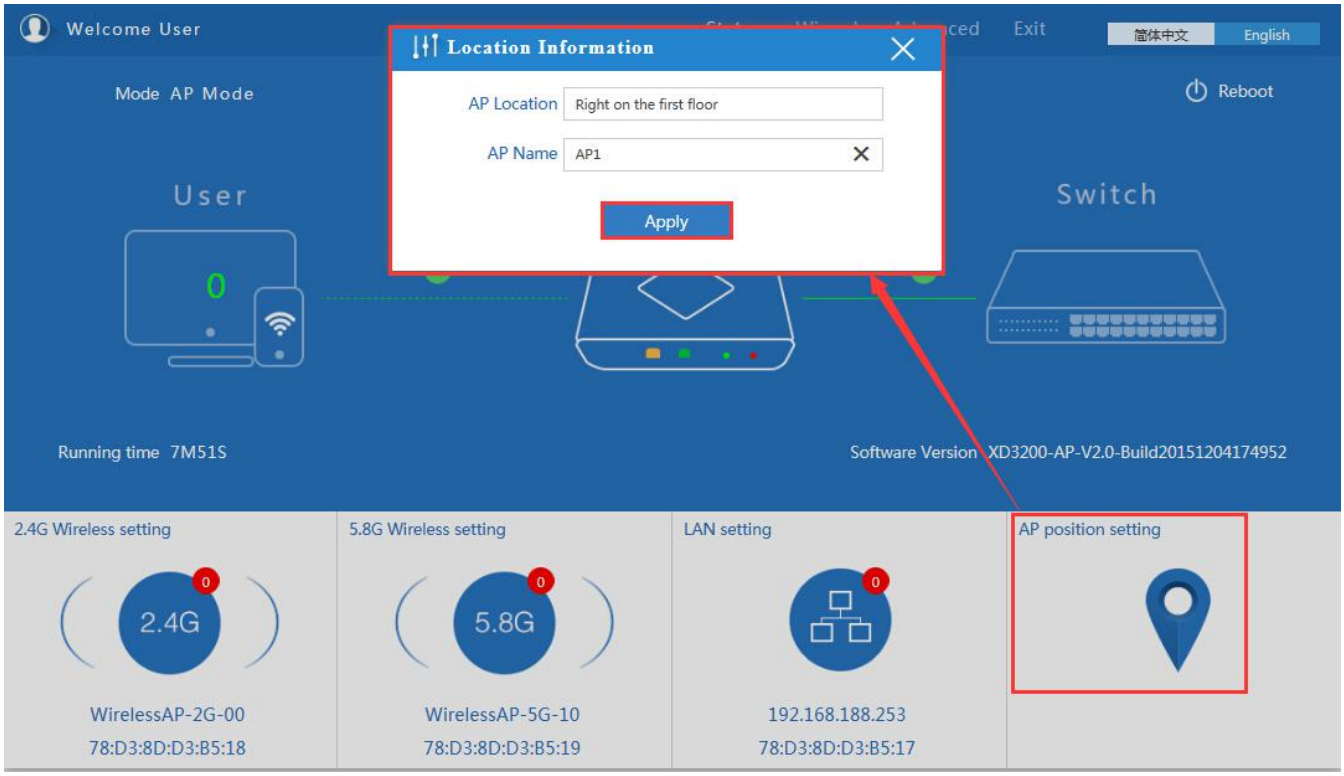
P9 5.8G Wireless Setting

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:

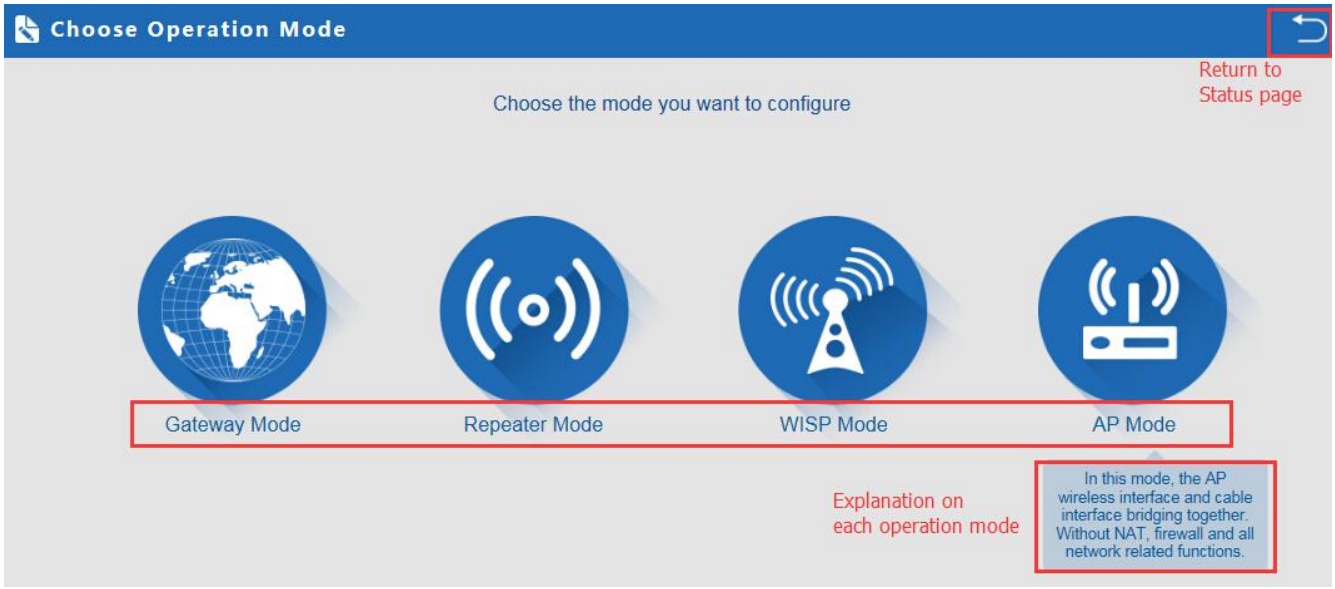


P11 AP Postion setting

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.

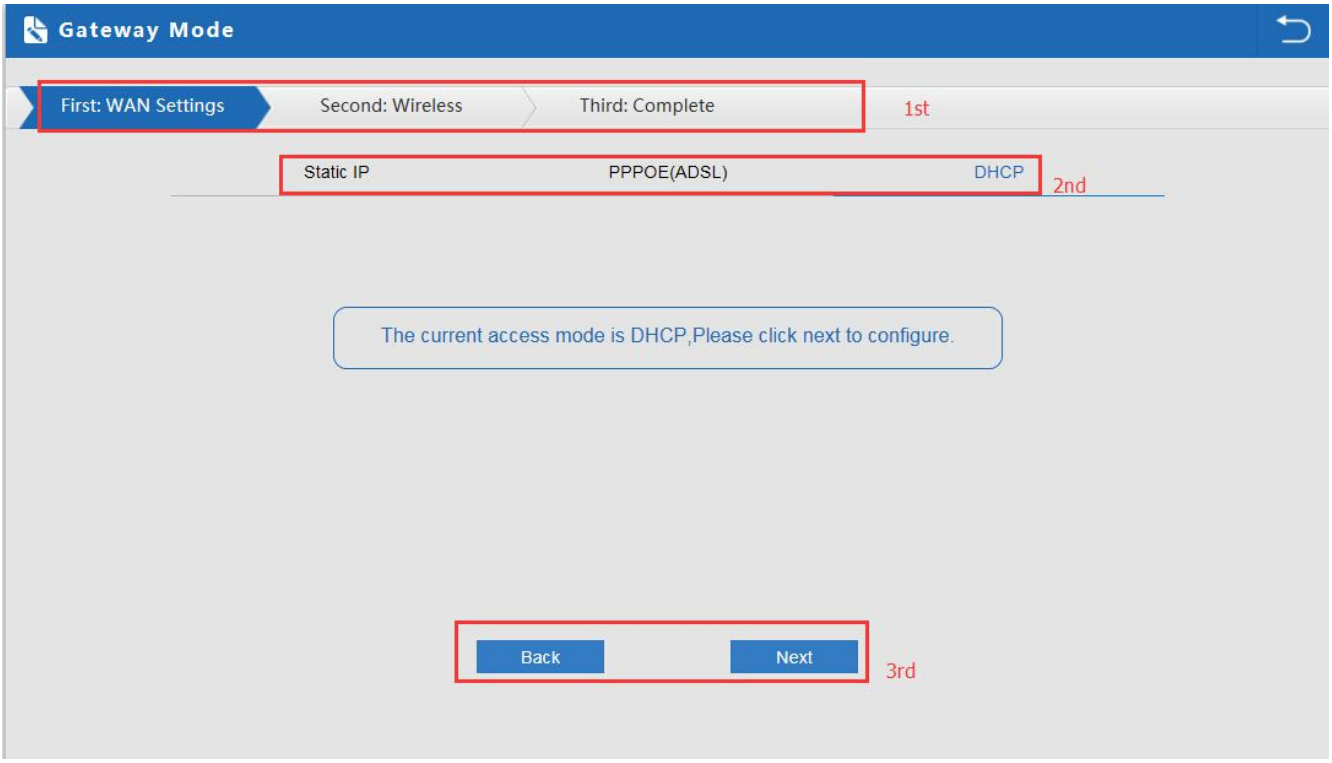


P12 Operation mode

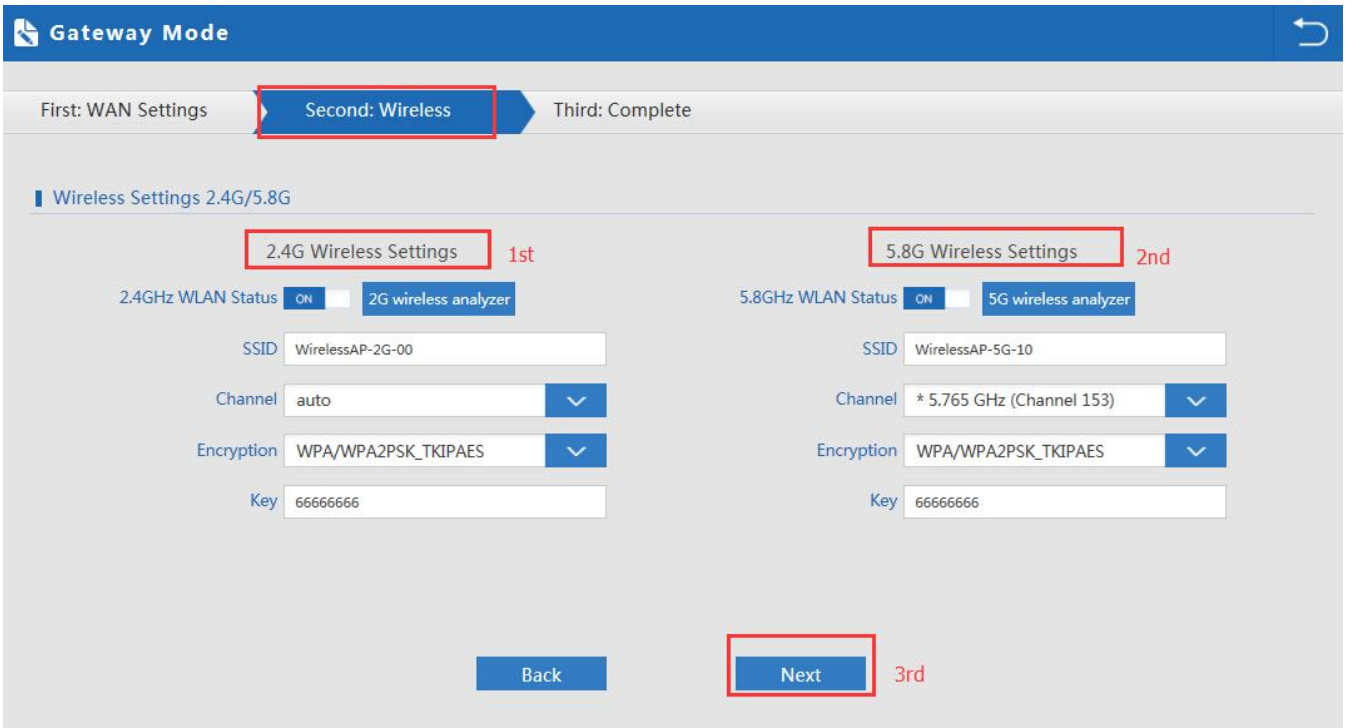
1. Gateway Mode:

Click Gateway mode, will pop up following pictures:

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

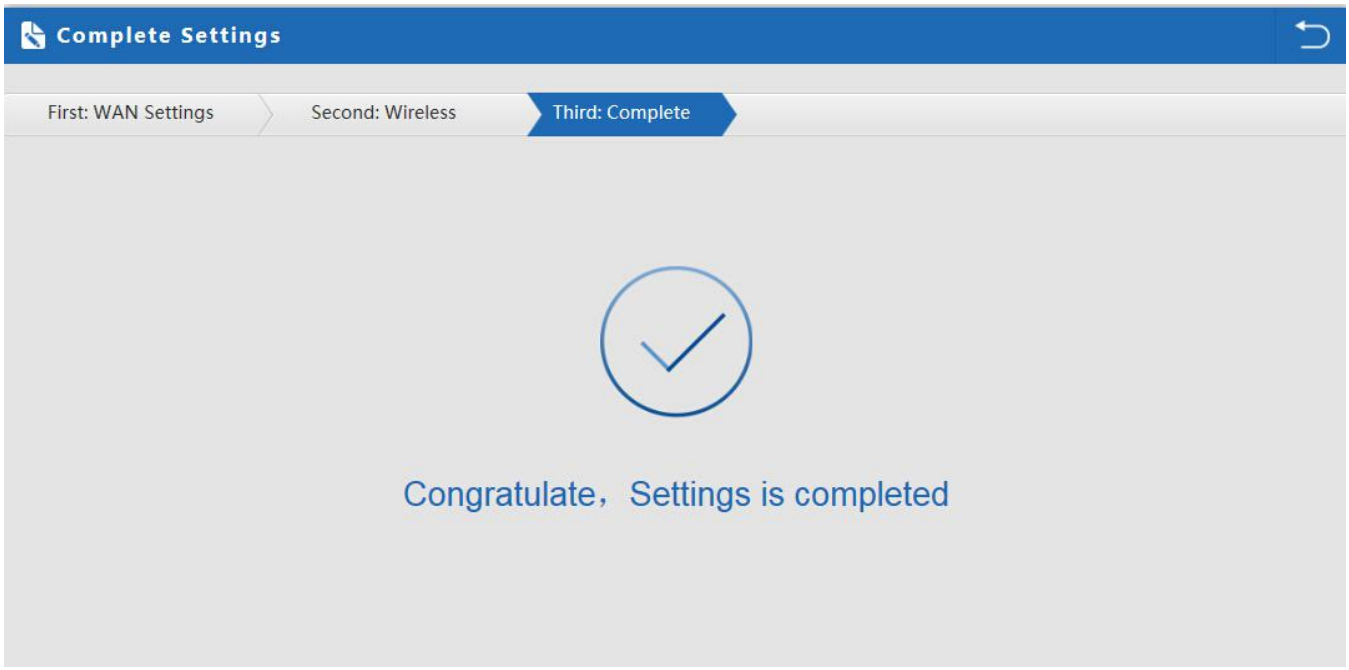


P13. WAN setting in Gateway Mode



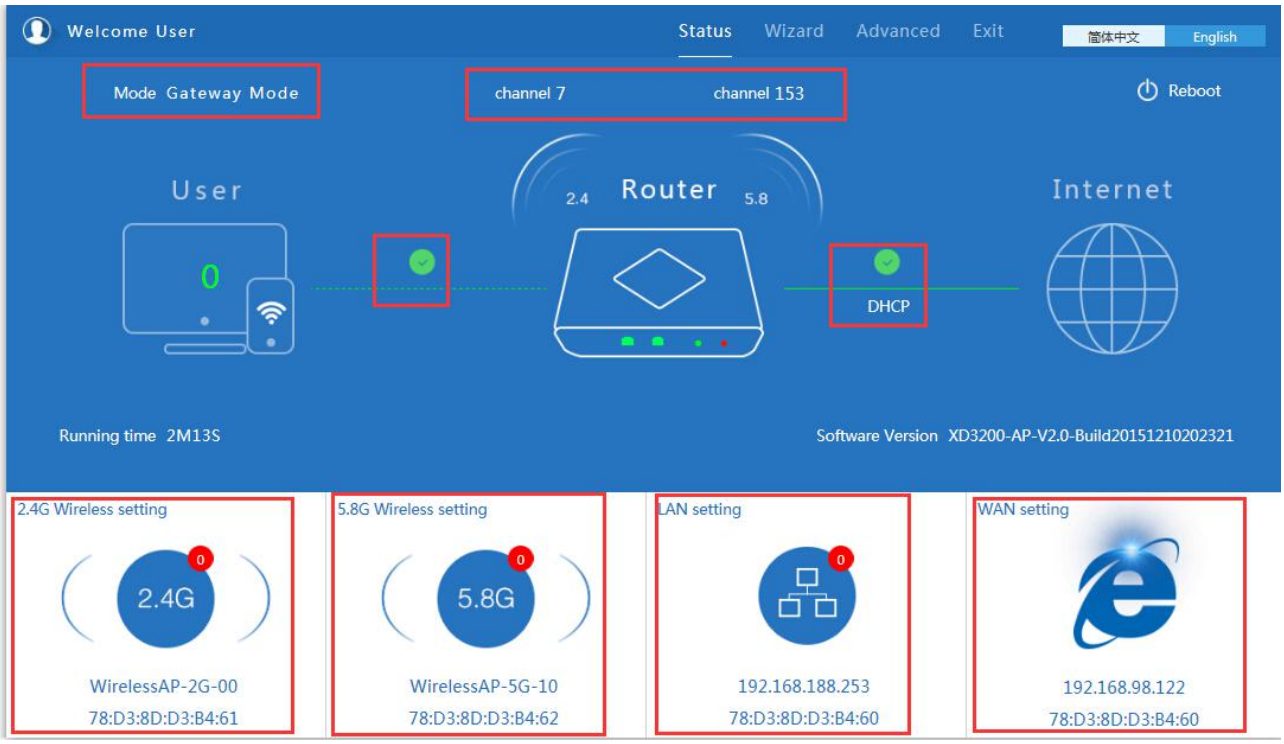
P14 Wireless Setting in Gateway Mode

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:

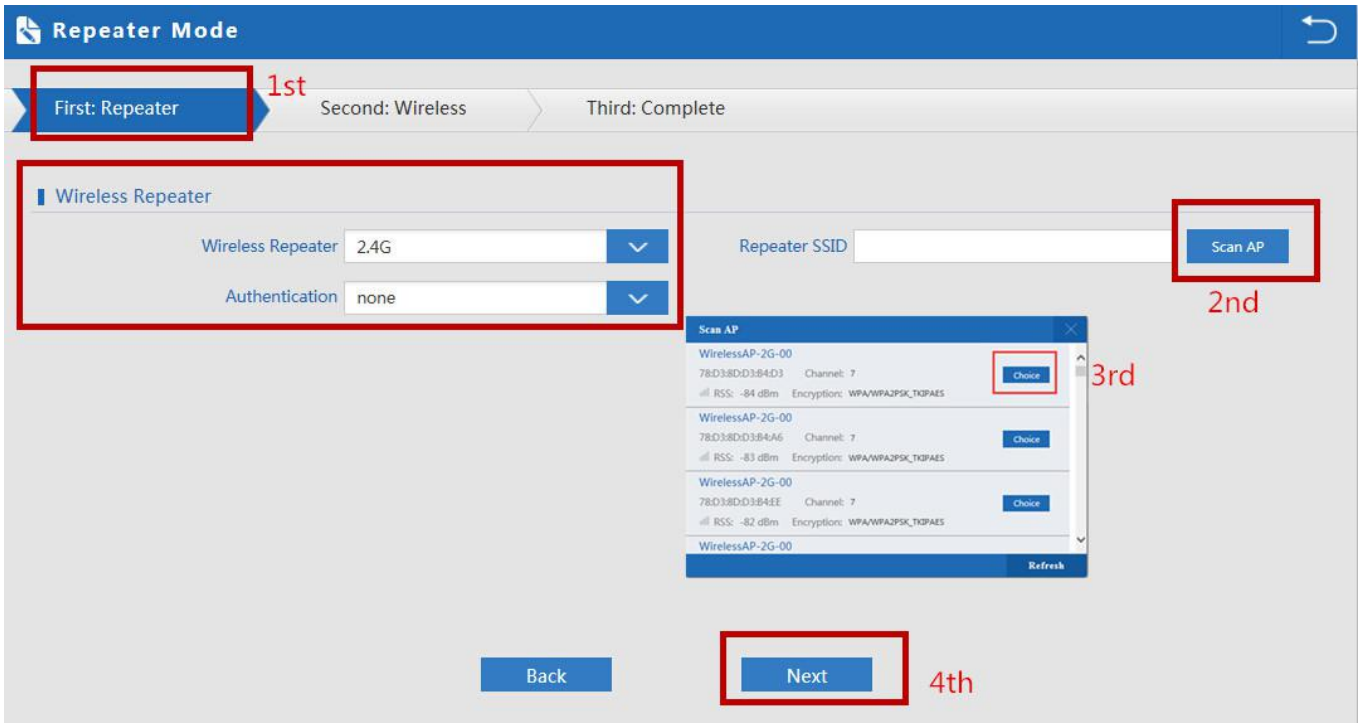


P16 Status in Gateway Mode

2. WiFi Repeater mode

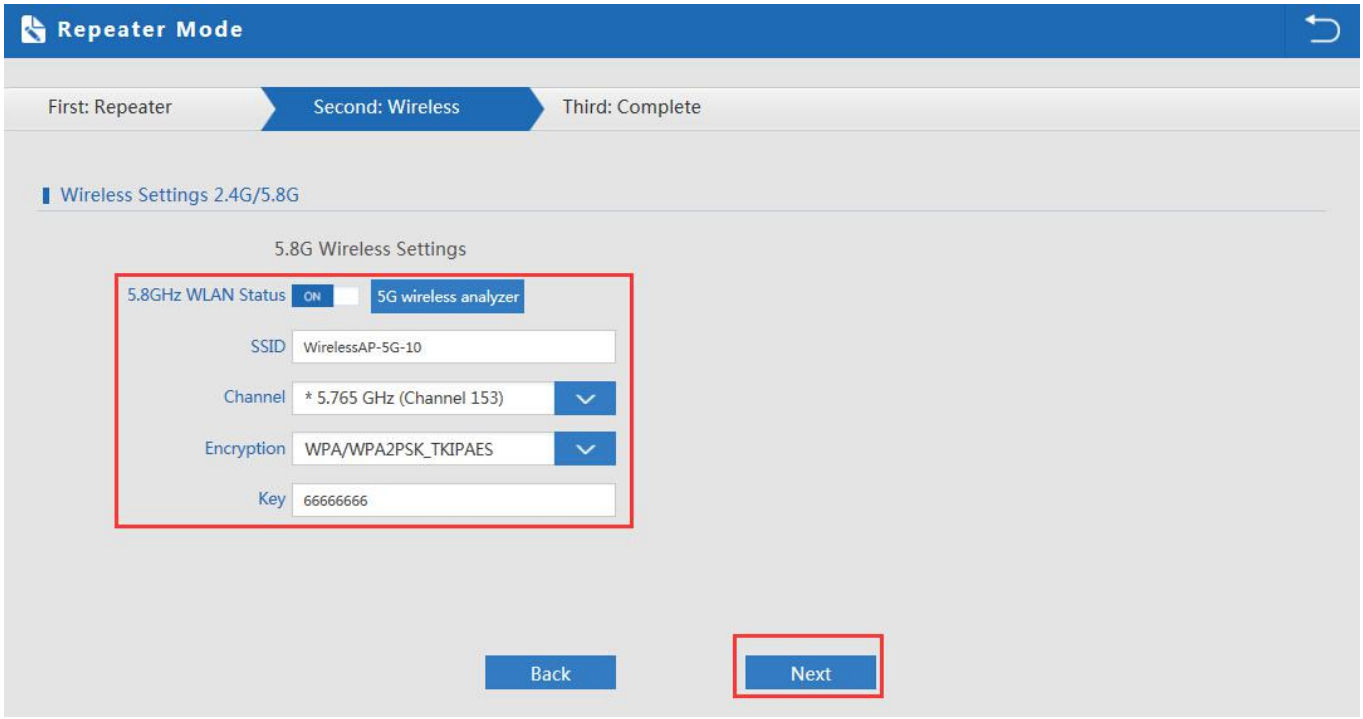
Click WiFi Repeater operation mode in Wizard, then following page will pop up, and choose the right SSID to bridge,

then next.



P17 Repeater Mode

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

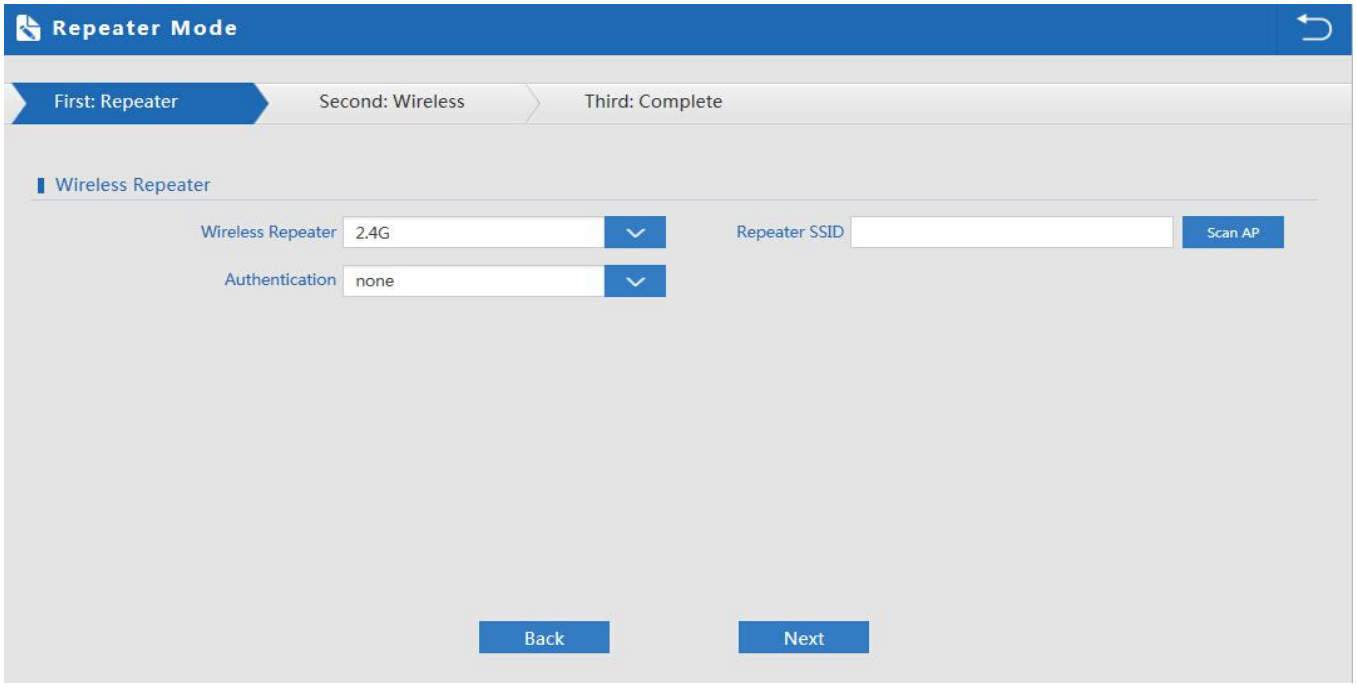


P18 Wireless Setting in Repeater Mode

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

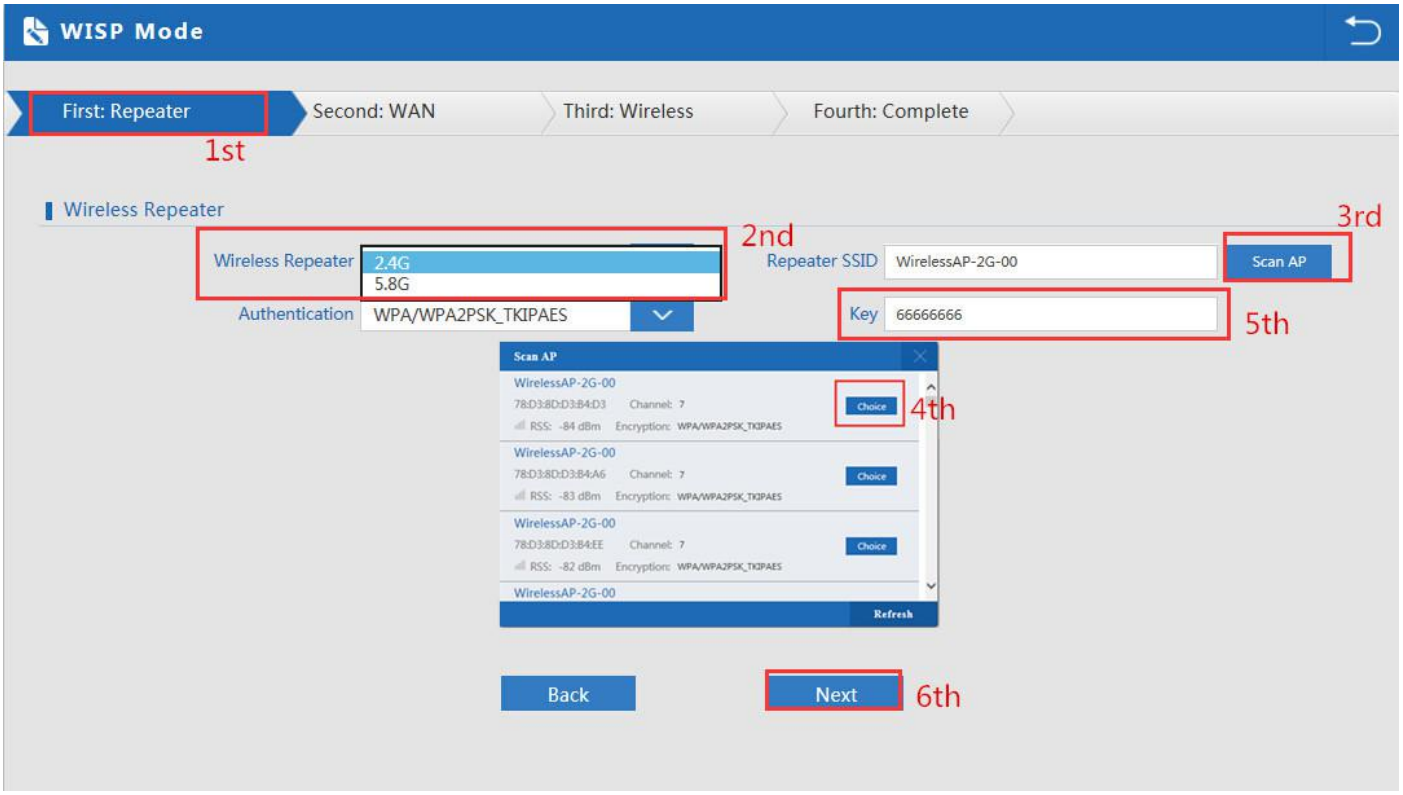
Pls note, when click wireless relay setting, following page will pop up, you can make change from here easy:



P20 Wireless Relay Setting

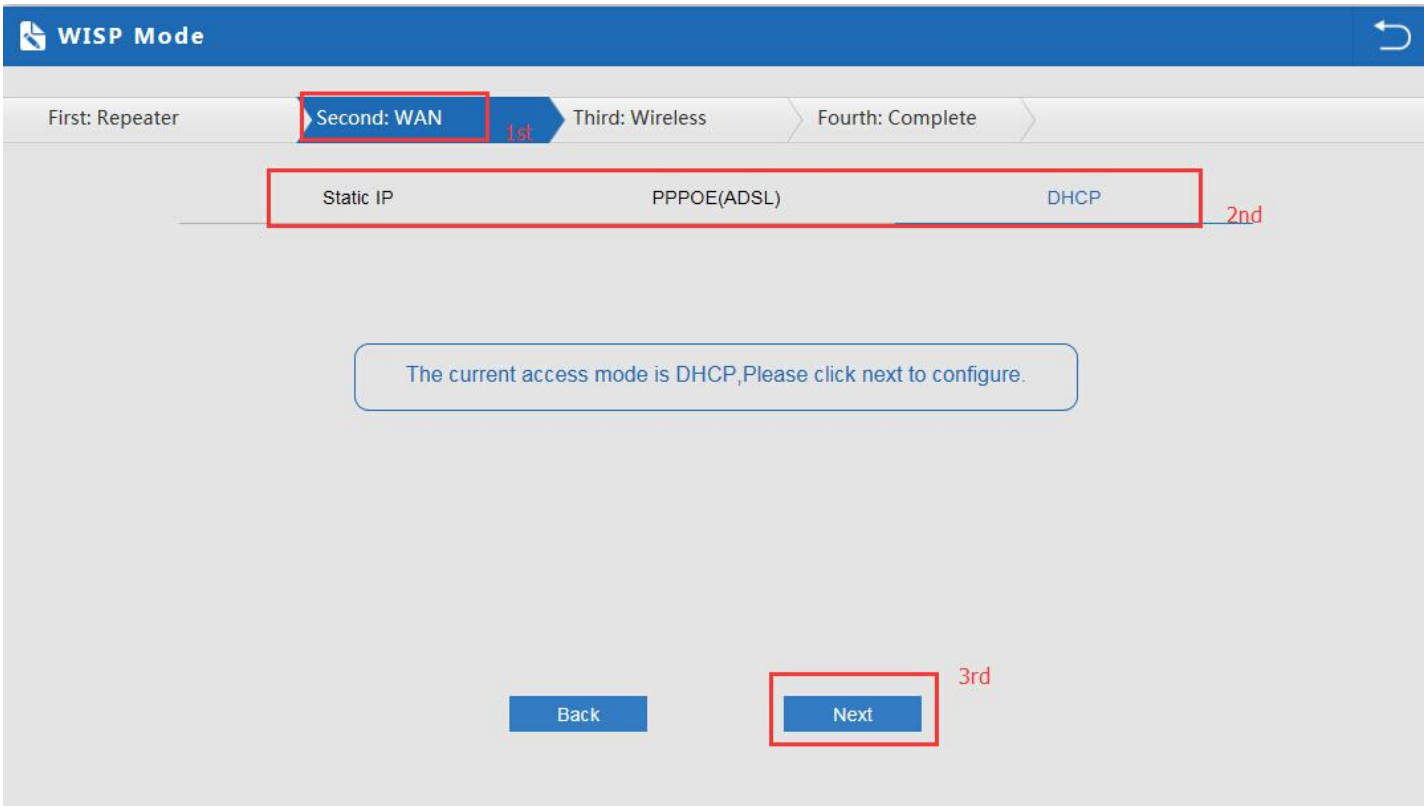
3. WISP Operation mode:

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



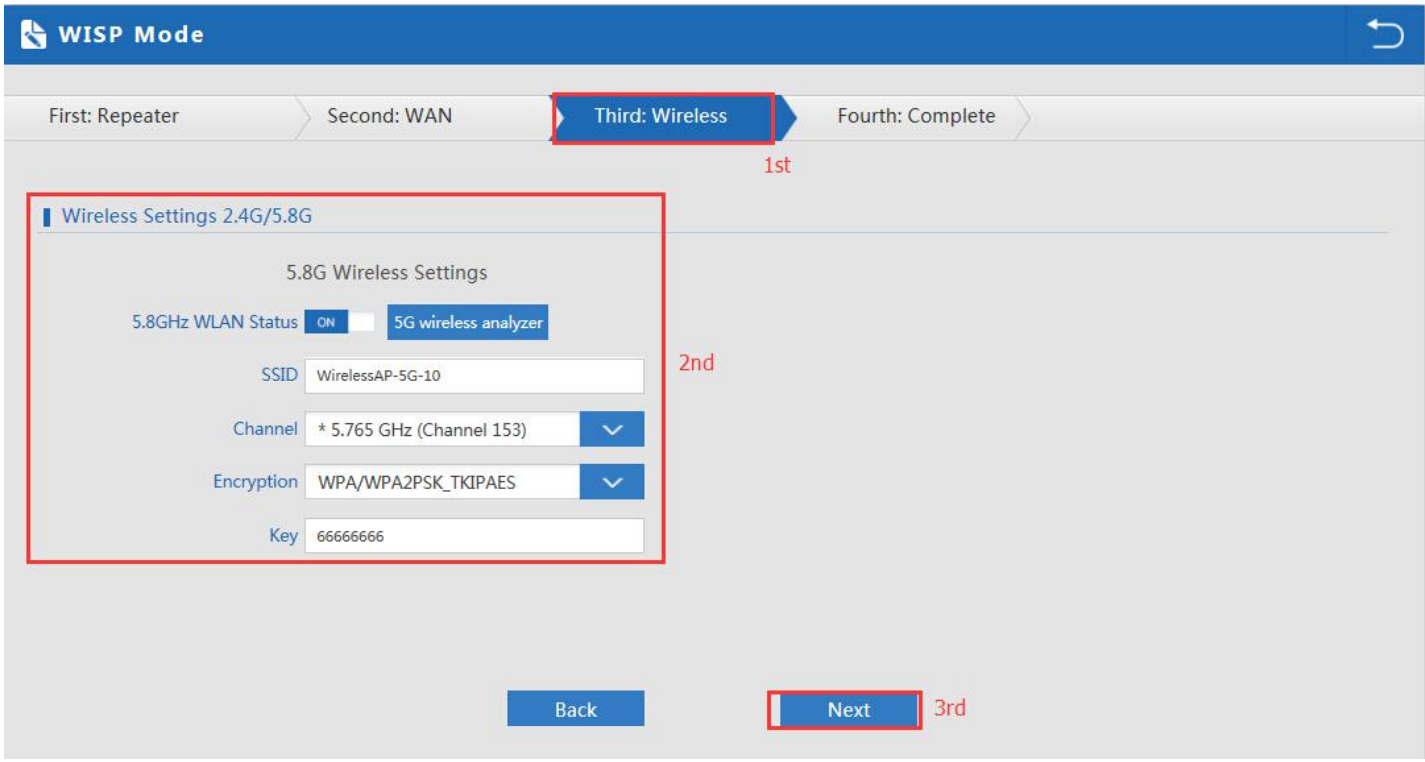
P21 WISP Mode

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



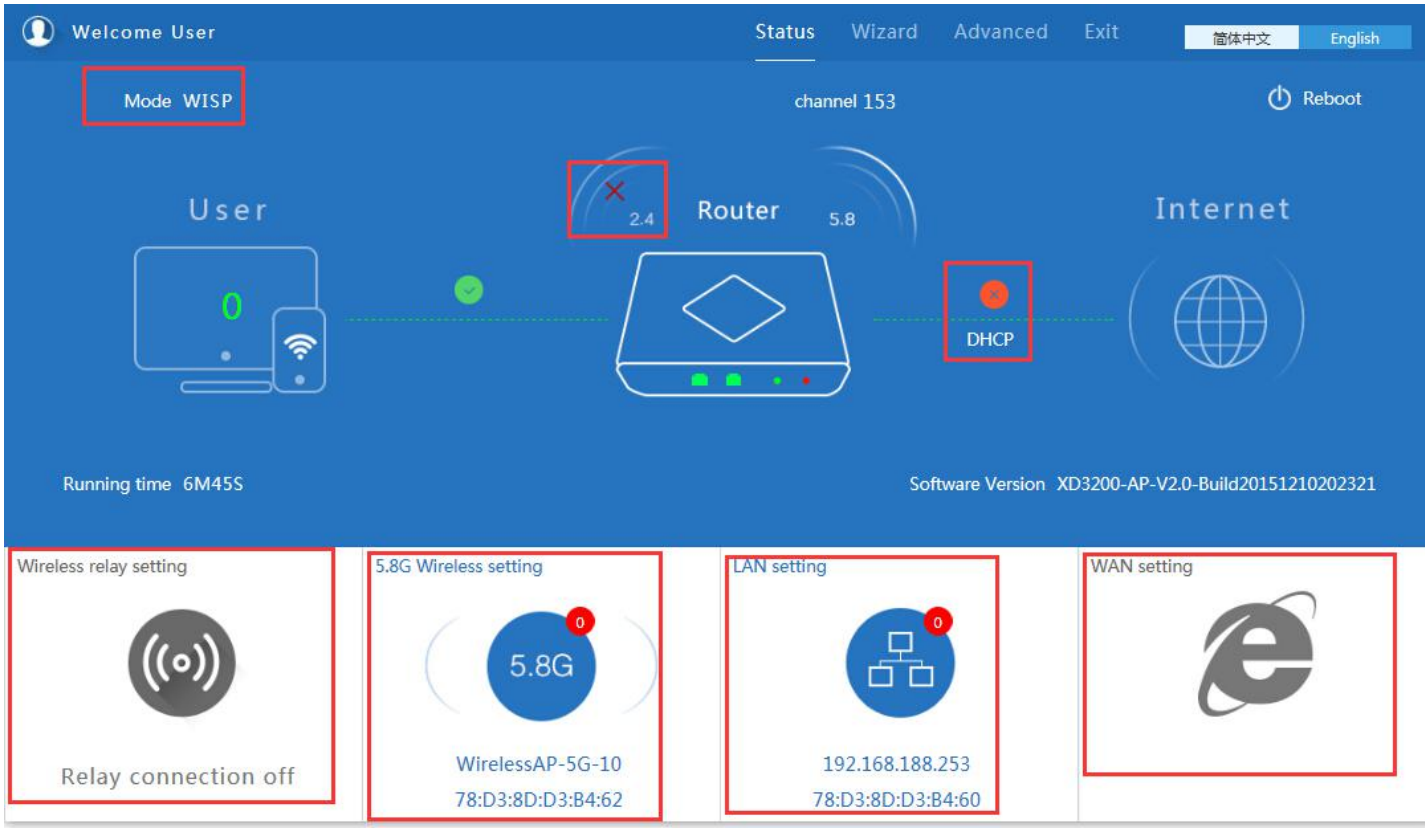
P22 WAN setting in WISP mode

Configure wireless data showed as follow:



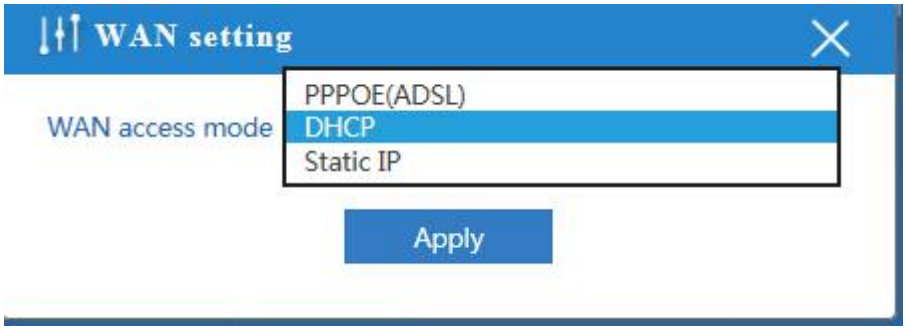
P23 Wireless Setting in WISP mode

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:

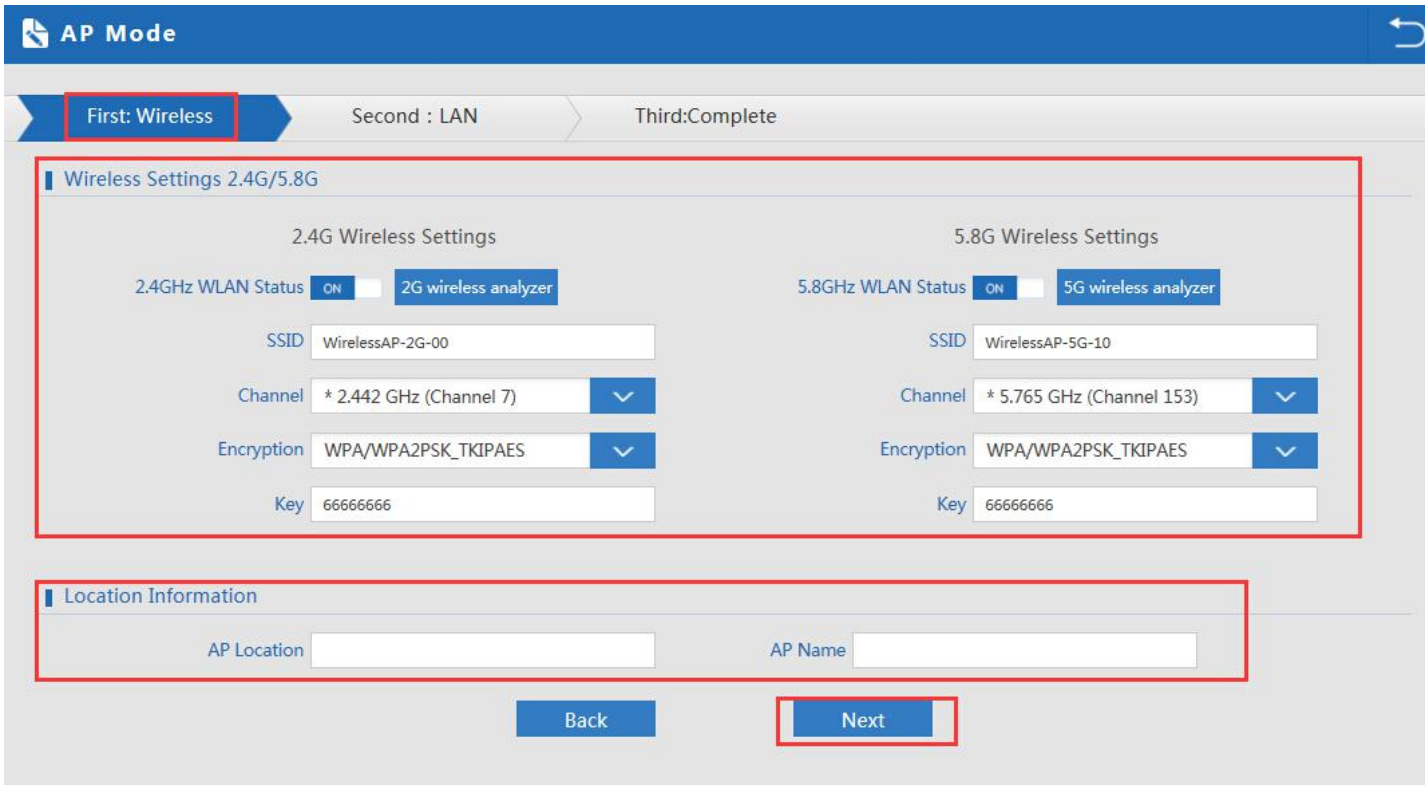


P25 WAN setting in WISP mode

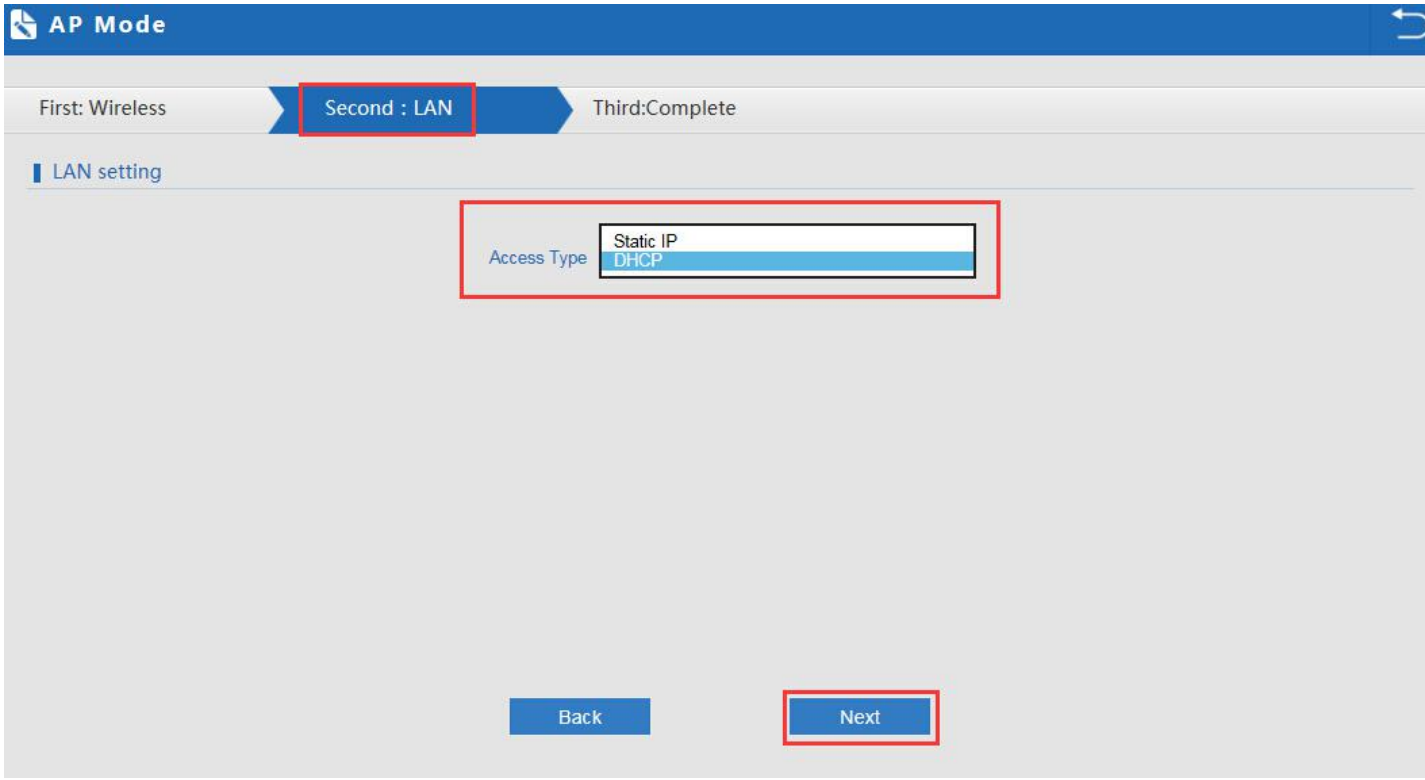
4. AP Operation mode:

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

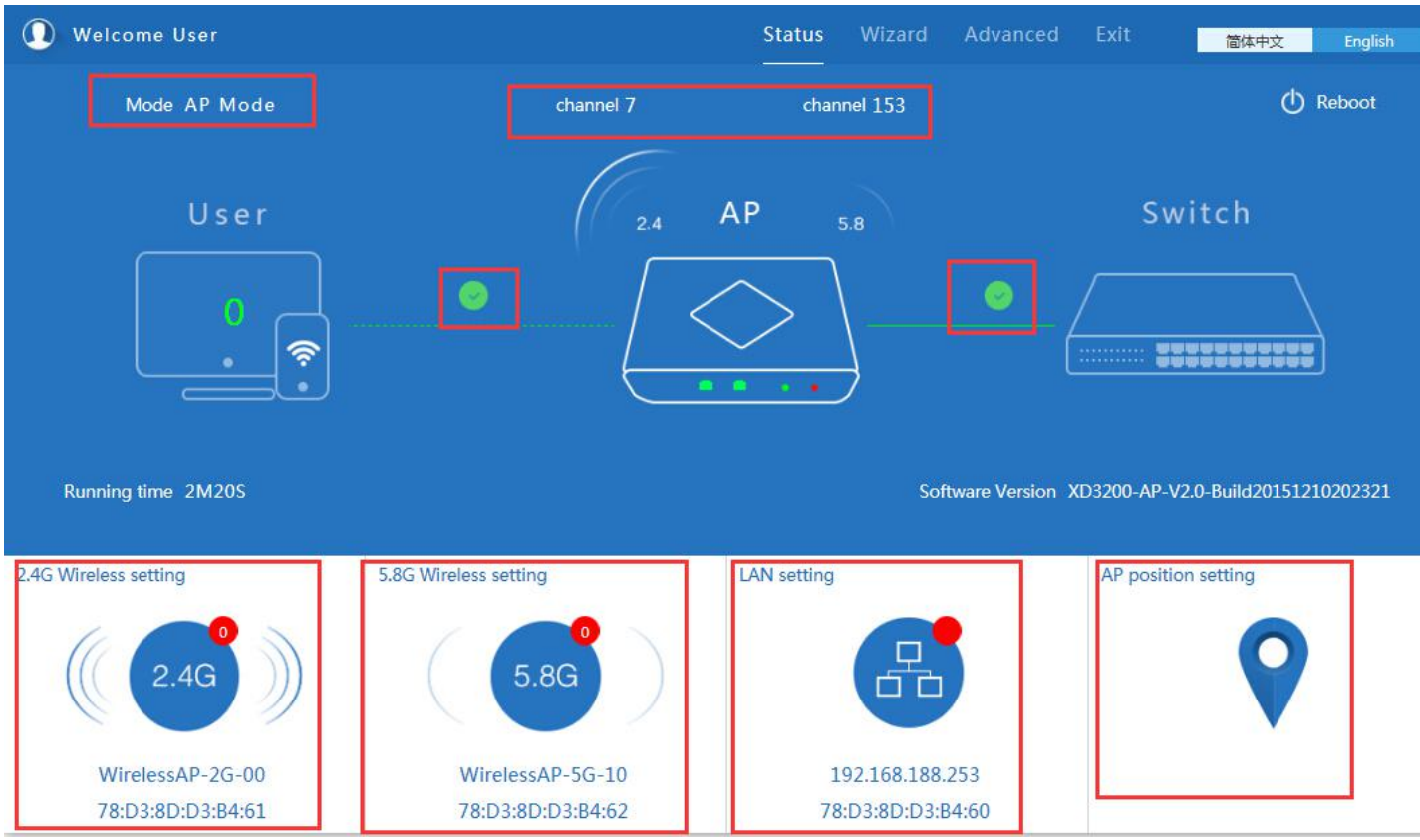
After LAN setting, complete the AP mode configuration and back to Status:



P26 Wireless setting in AP Mode



P27 LAN Setting in AP Mode



P28 Status in AP Mode

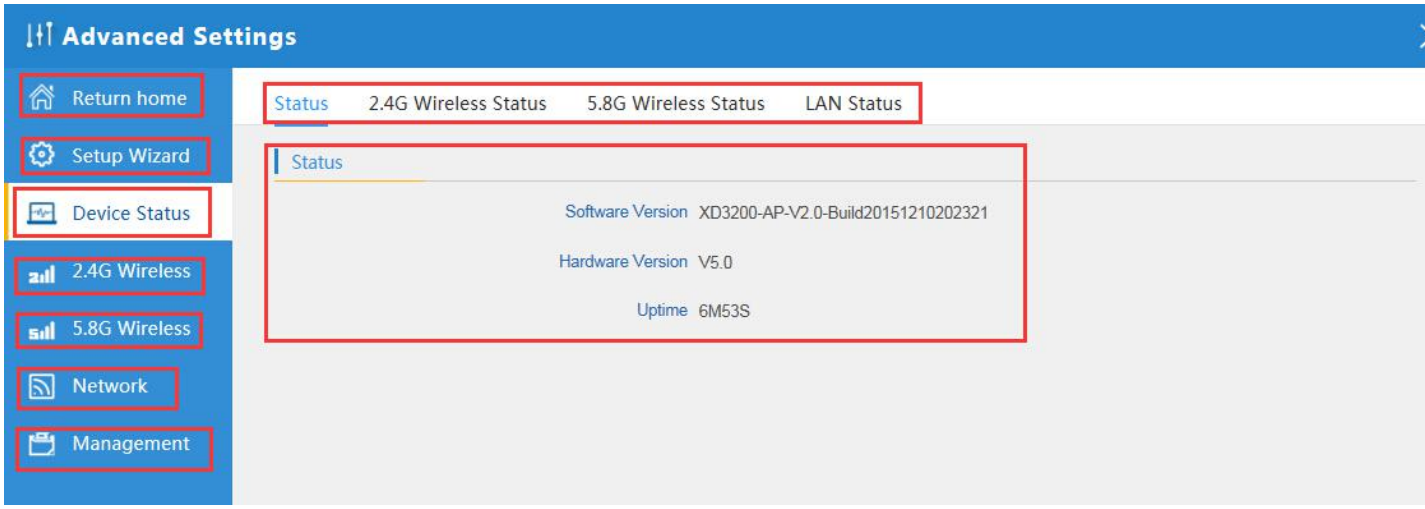
3) Advanced Setting:

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.

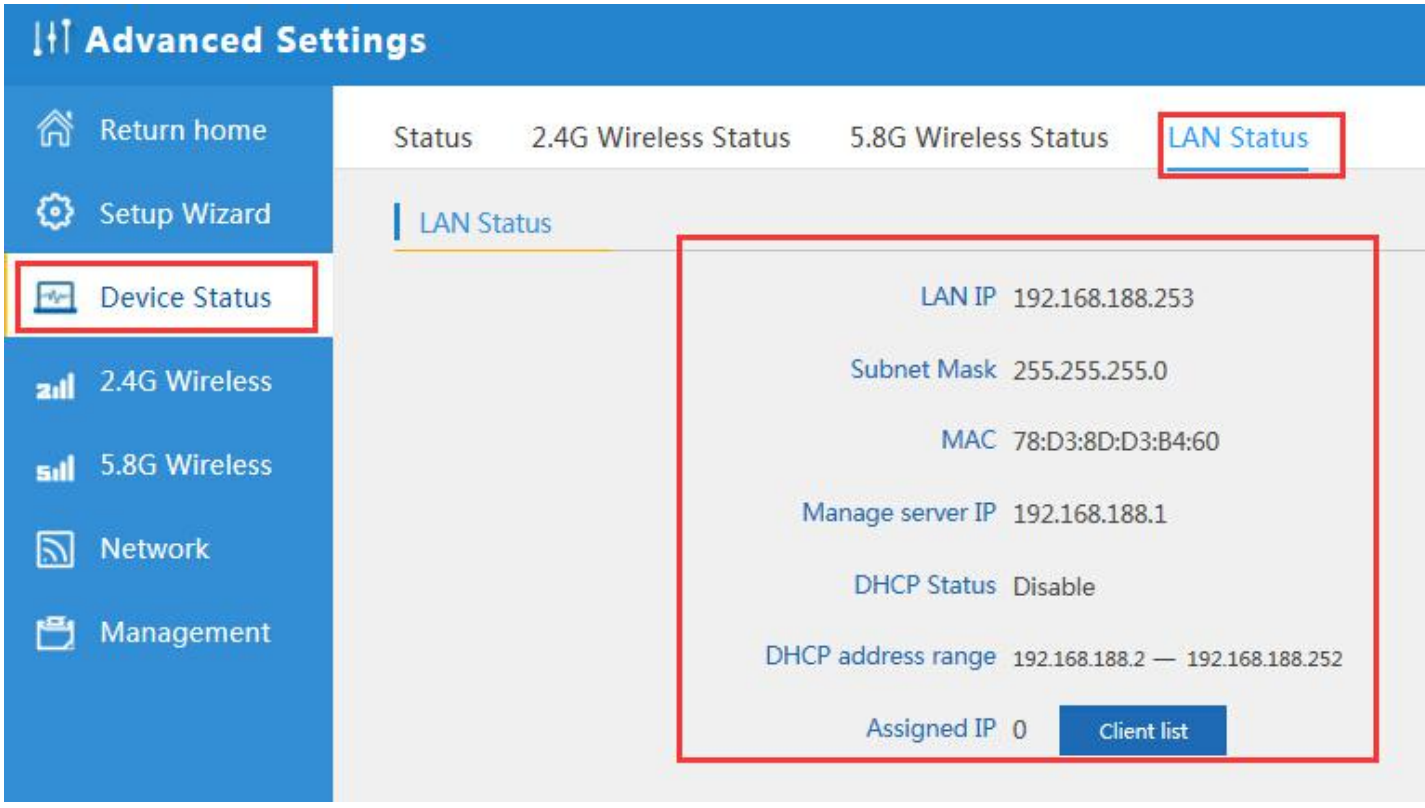


P29 Device Status

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:

P30 2.4G Wireless Status

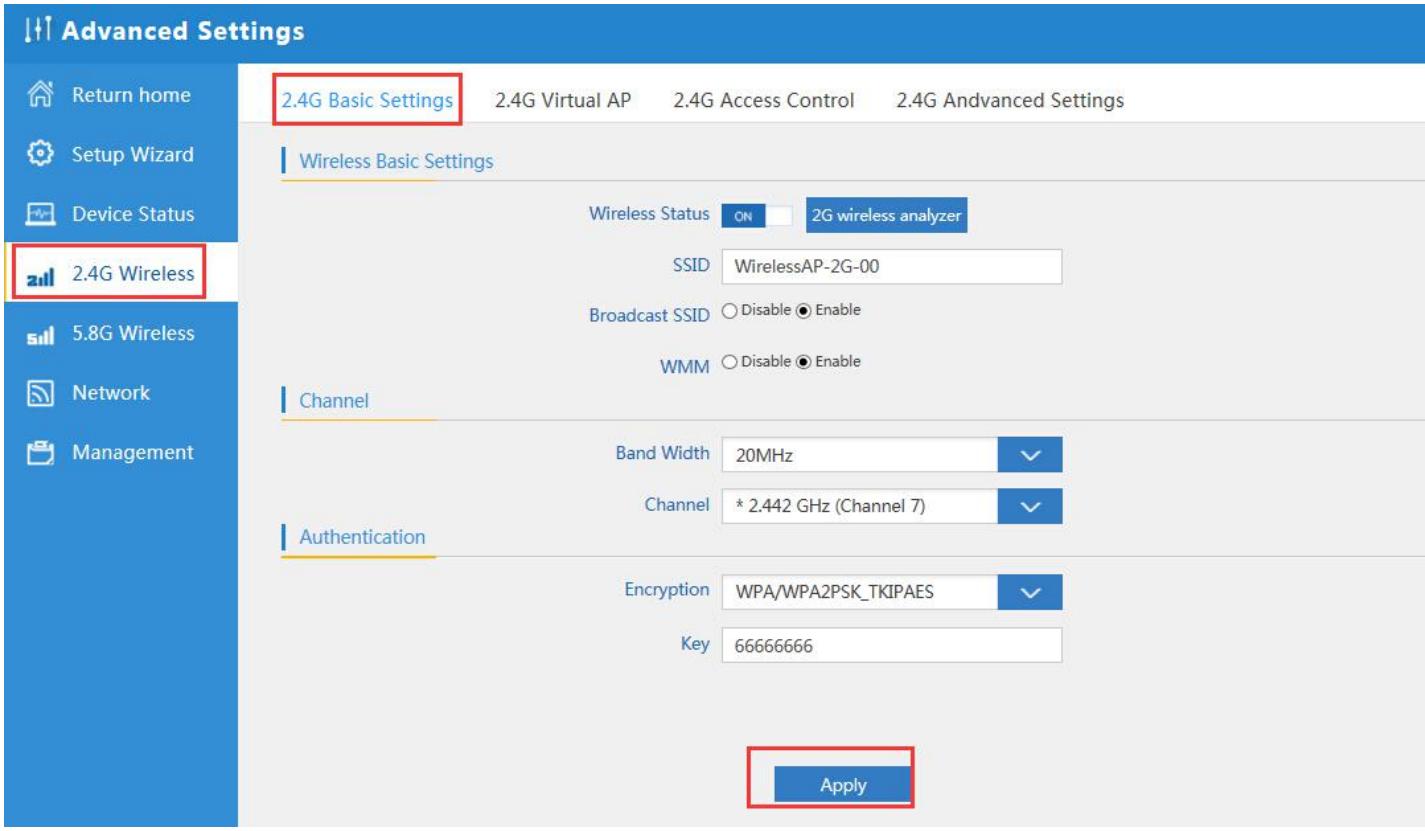
P31 5.8G Wireless Status



P32 LAN Status

2.4G Wireless Setting:

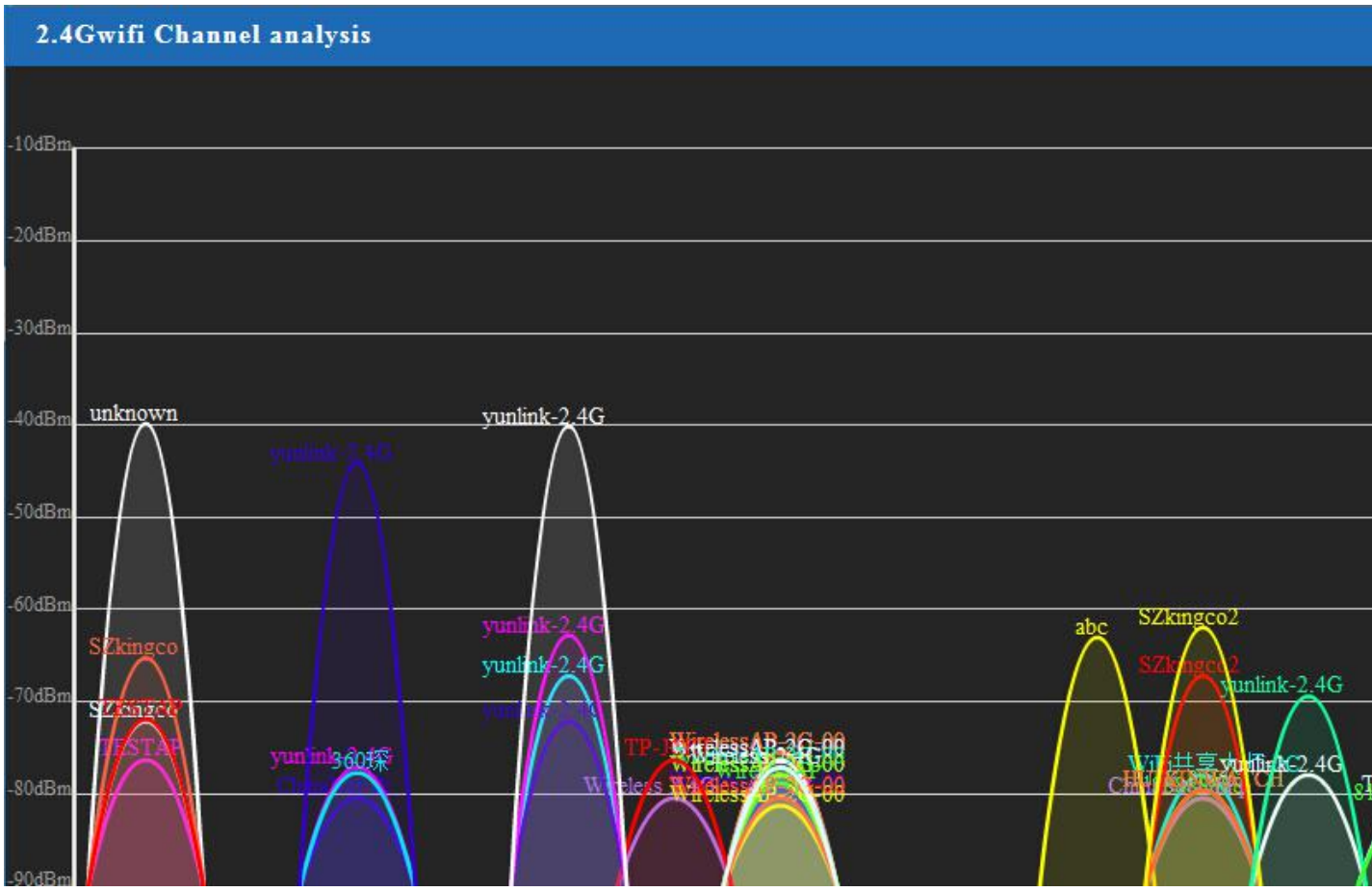
In this part, will show the 2.4G Basic Setting, Virtual AP, Access control and Advanced Setting:



P33 Basic Setting in 2.4G Wireless

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

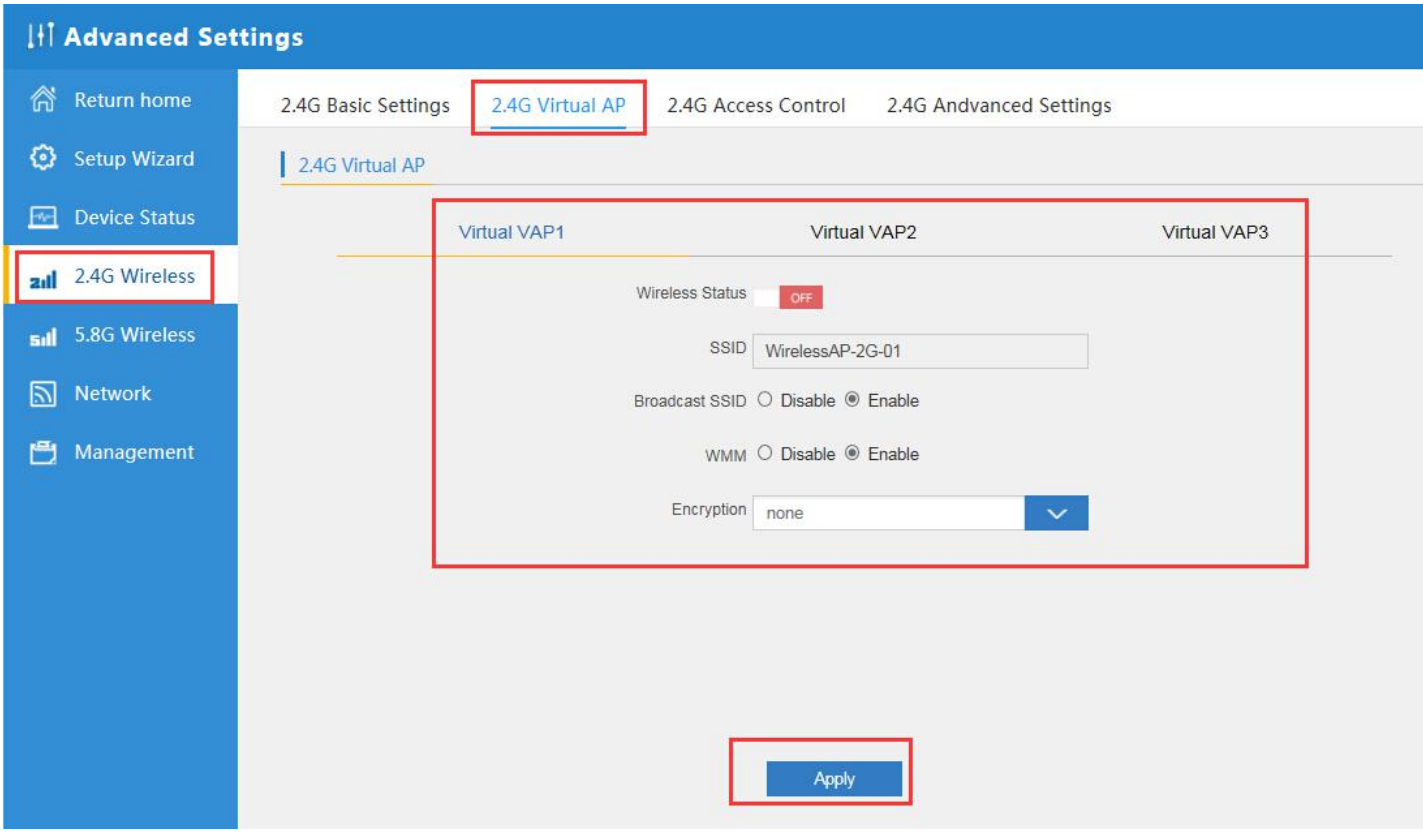
and avoid the wifi interface.



P34 Wireless Analyzer

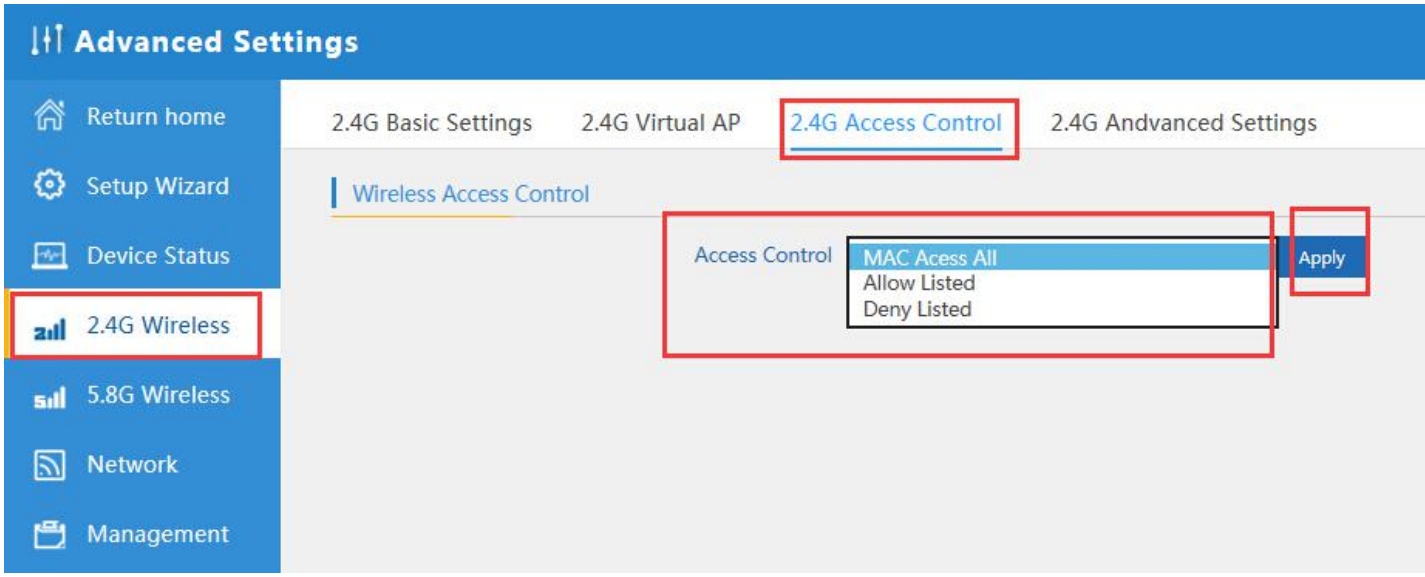
Virtural AP:

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



P35 Virtual AP

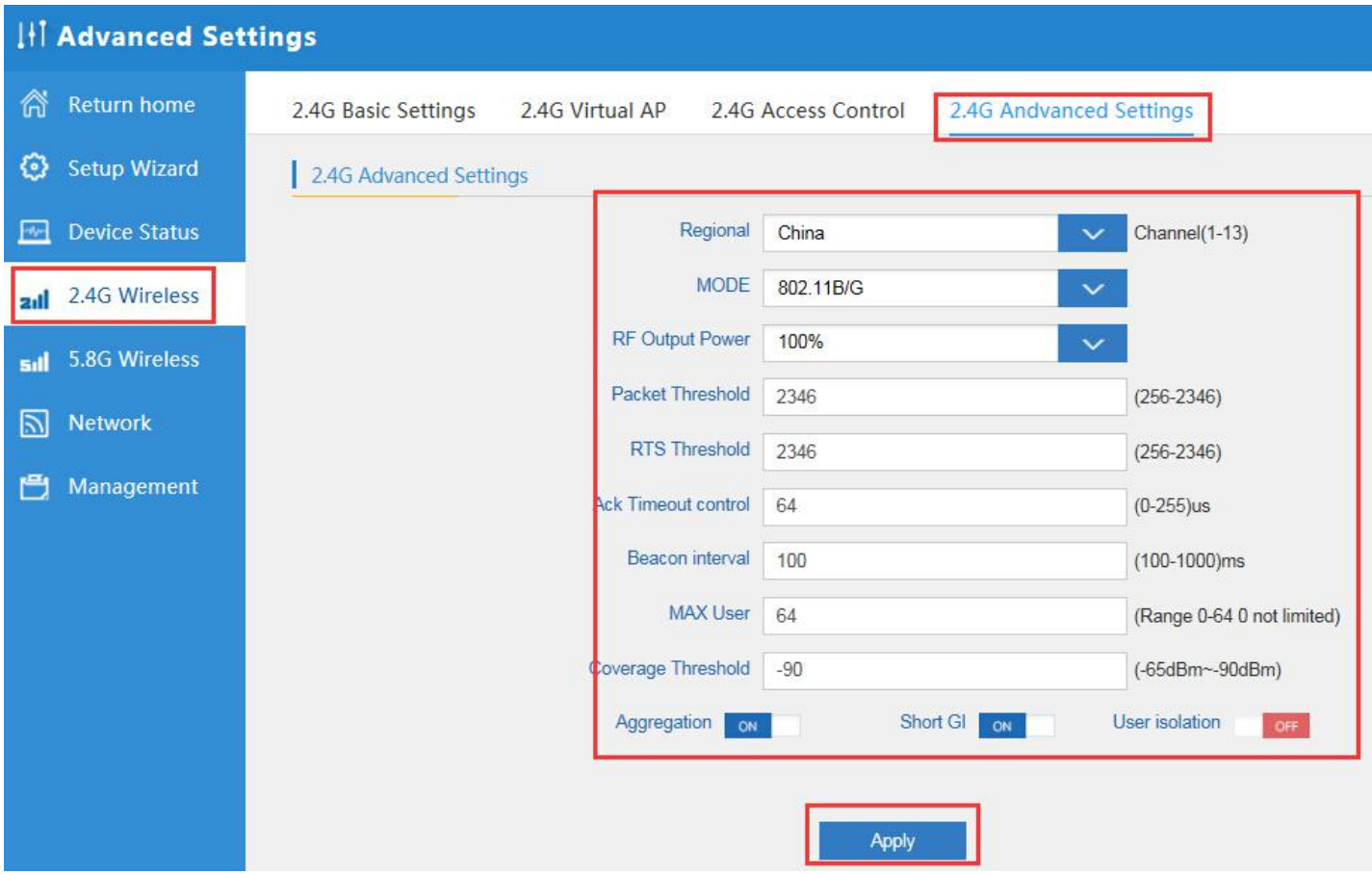
2.4G Access Control: Mainly show MAC allow or deny:



P36 MAC Access Control

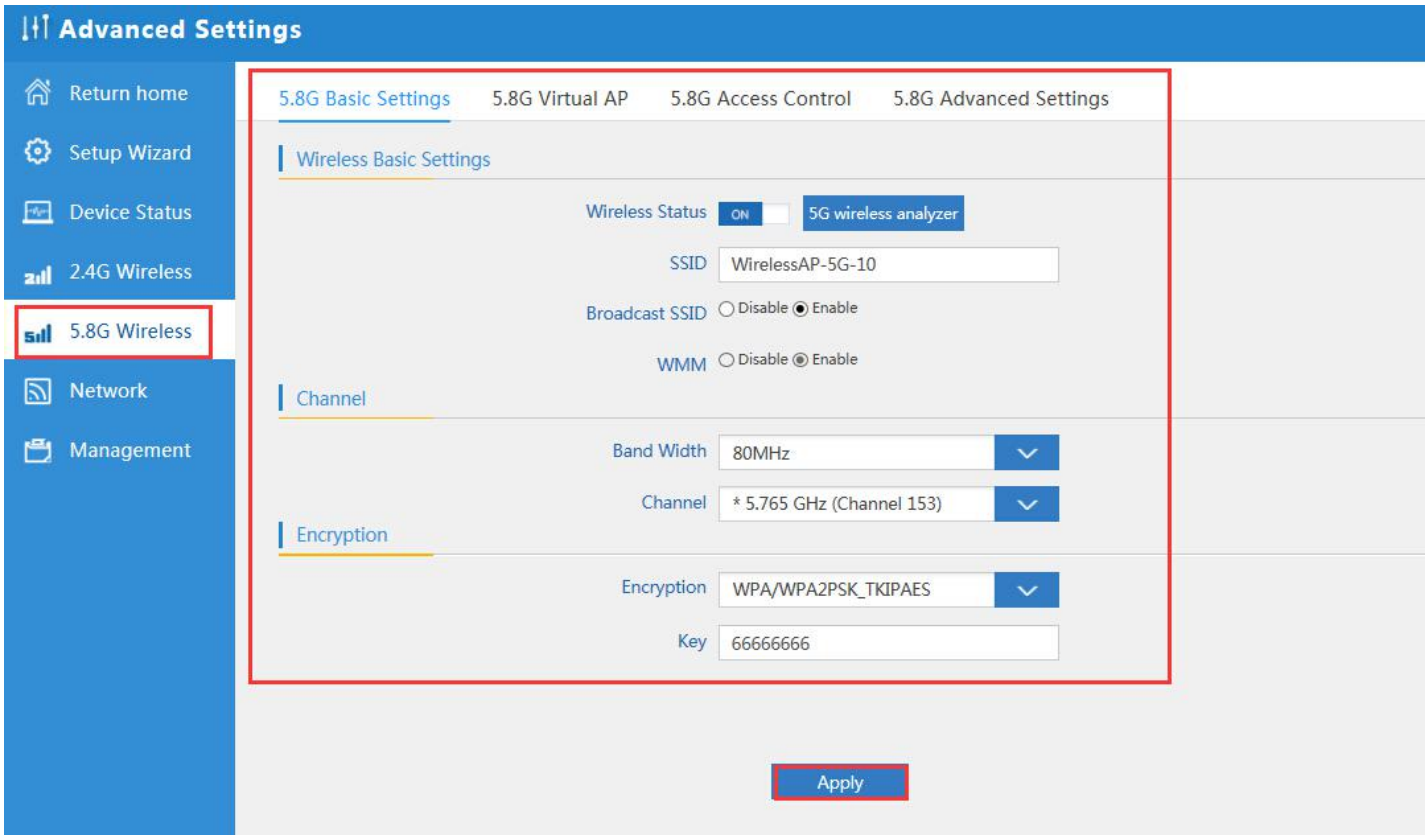
2.4G Advanced Settings:

In this page, will show the regional, RF Power, Max user access...



P37 Advanced Setting

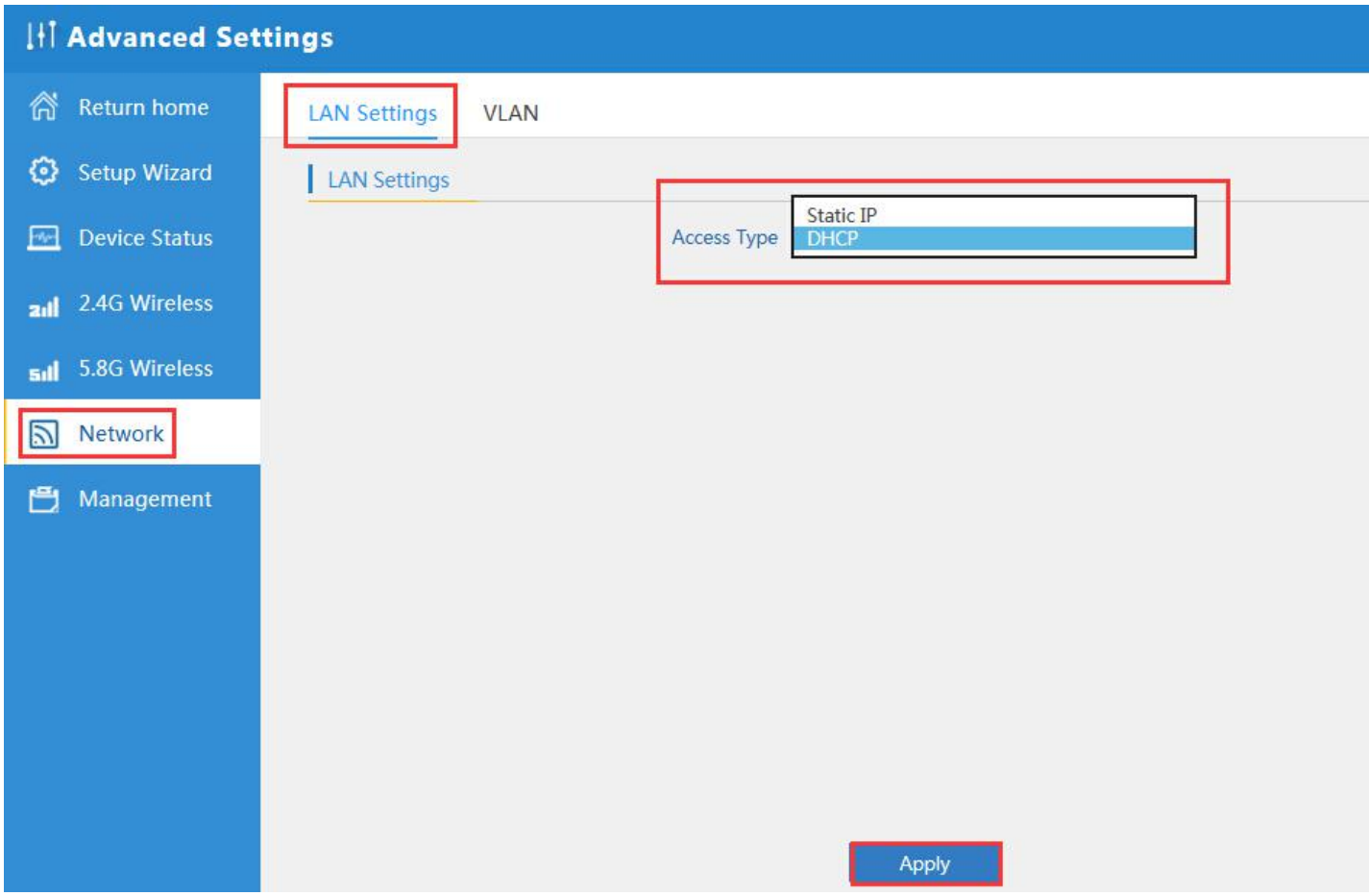
5.8G Wireless Setting: Almost same as 2.4G Wireless:



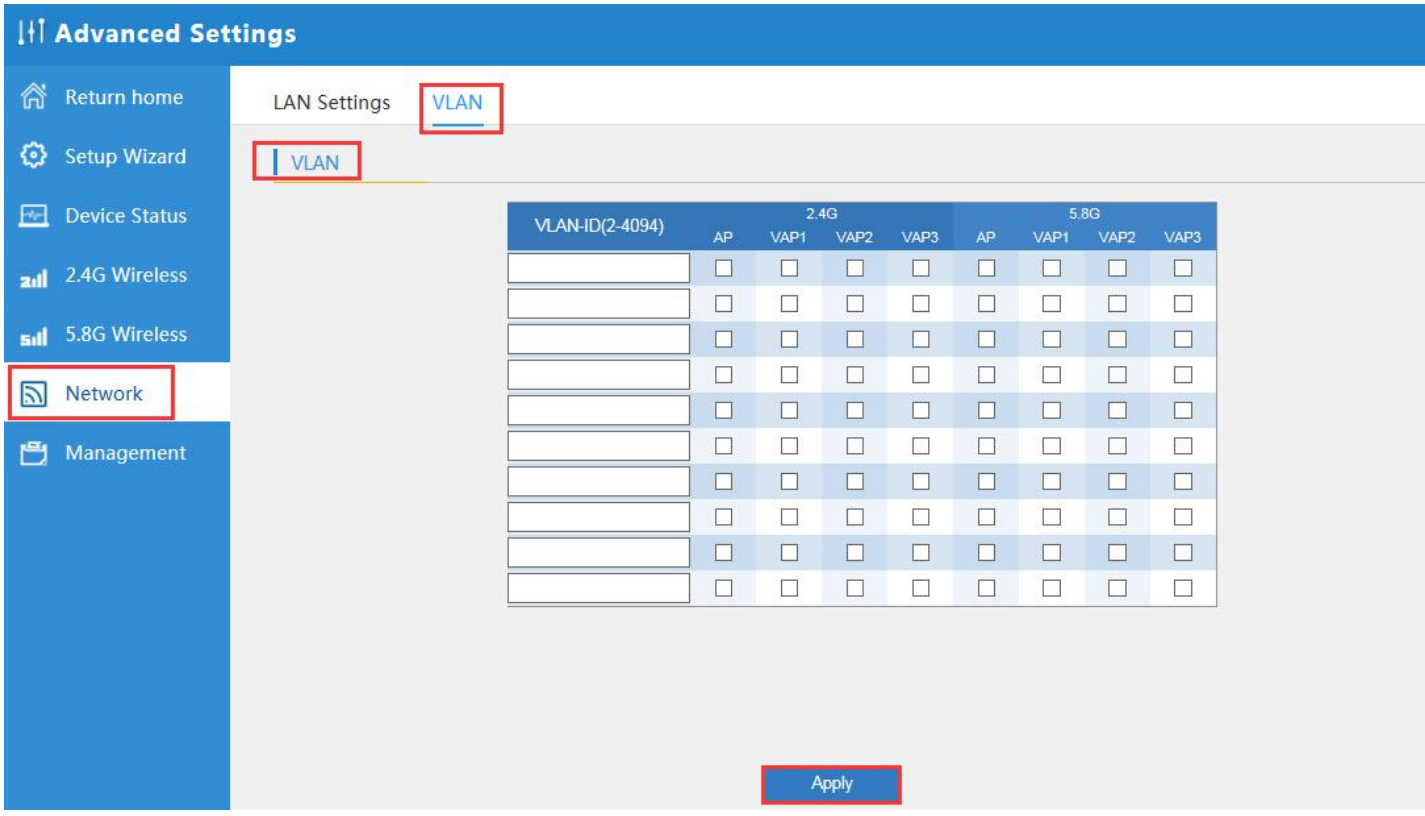
P38 5.8G Wireless Setting

Network setting:

In this page, mainly to show the LAN setting and VLAN as follow:



P39 Network Setting

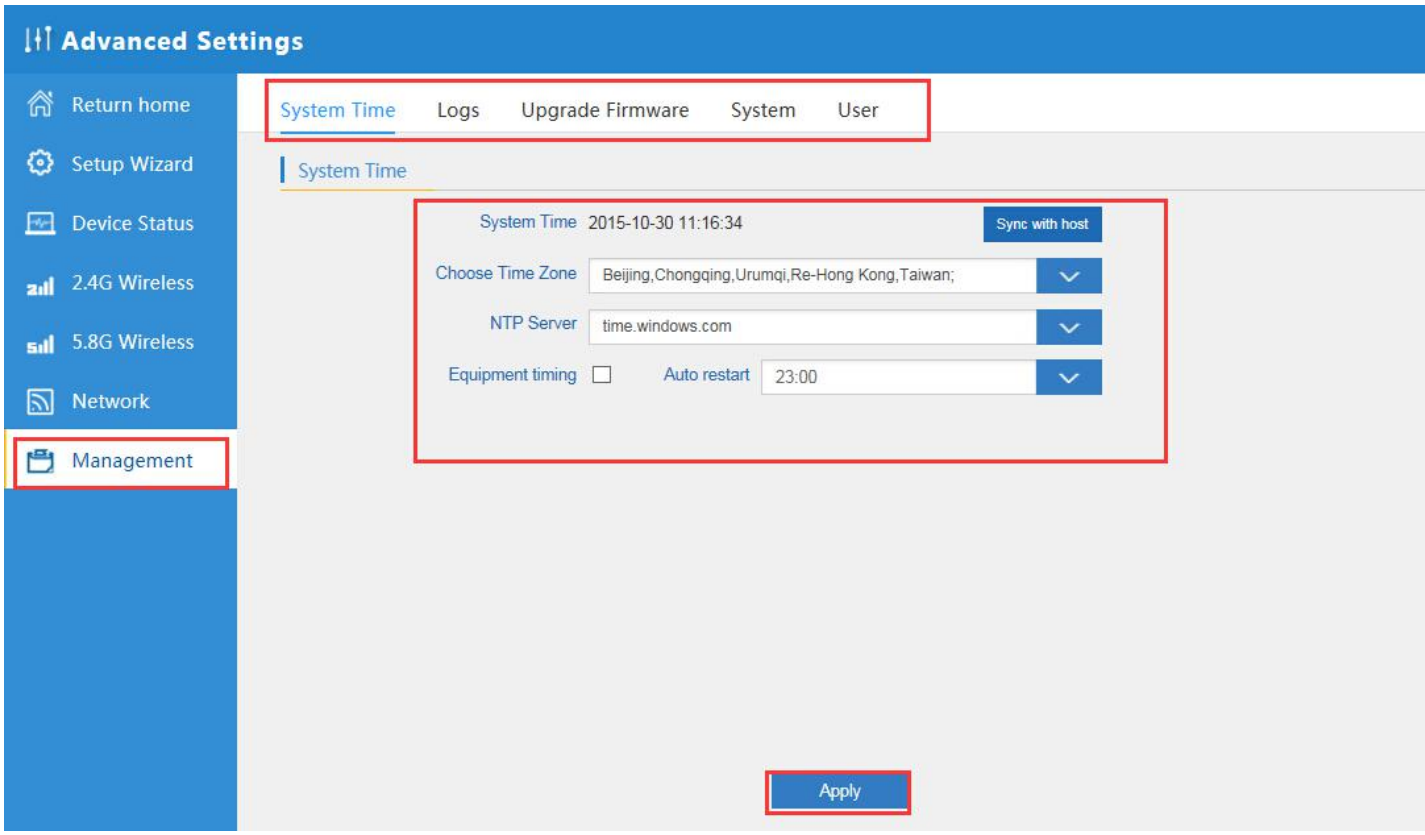


P40 Tag VLAN Setting

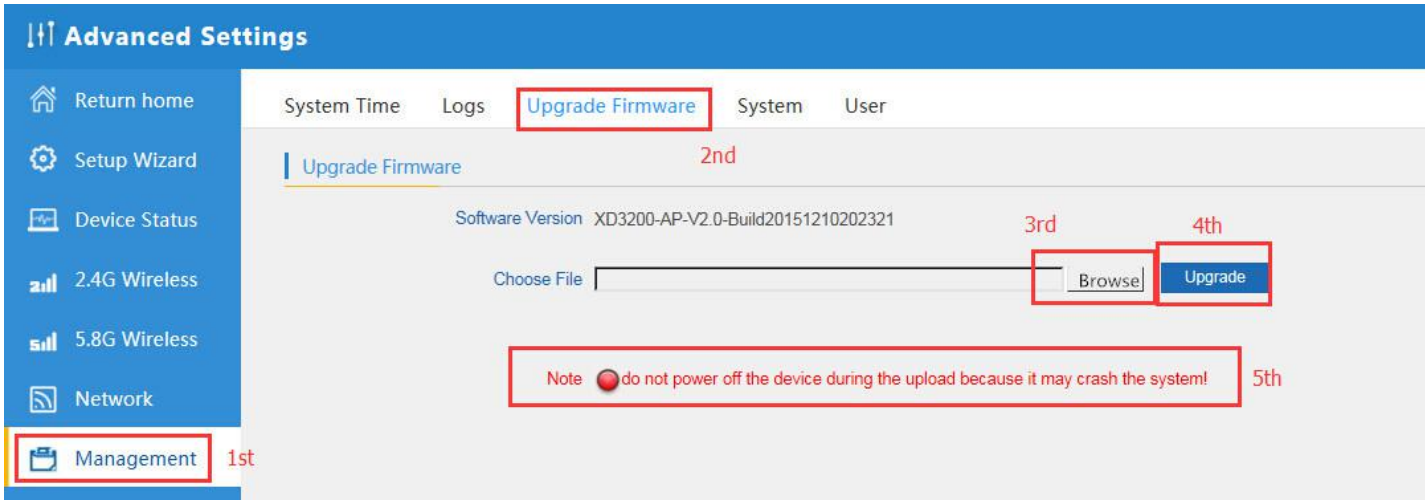
Management:

In this part, show the system time, Logs, upgrade firmware, system, user info.

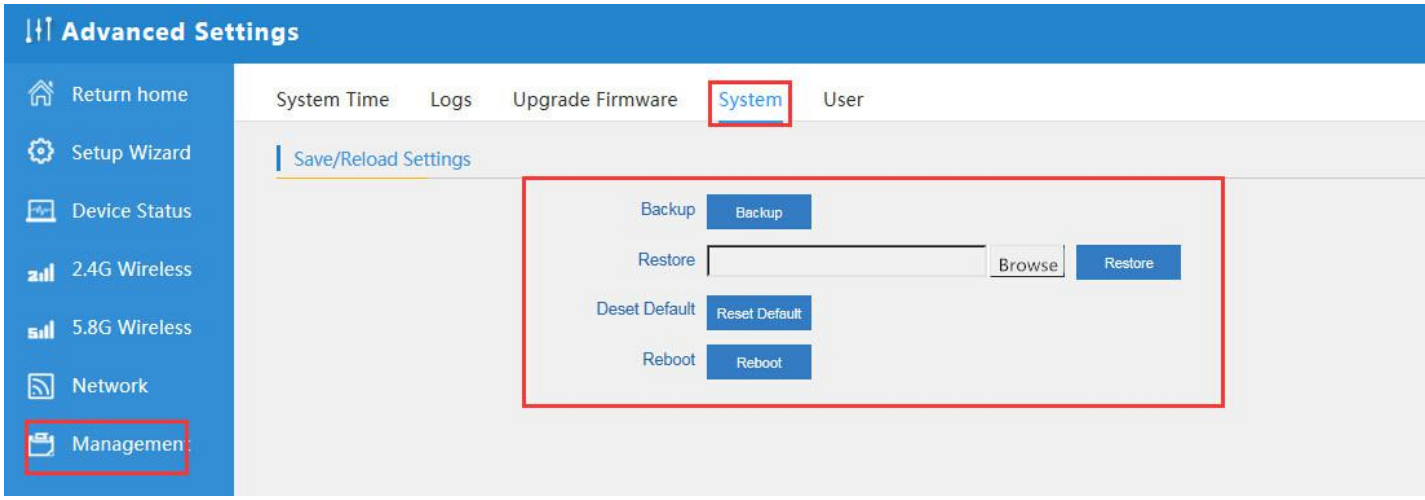
And we show System time, how to upgrade firmware and system page to users:



P41 System Time



P42 Firmware Upgrade

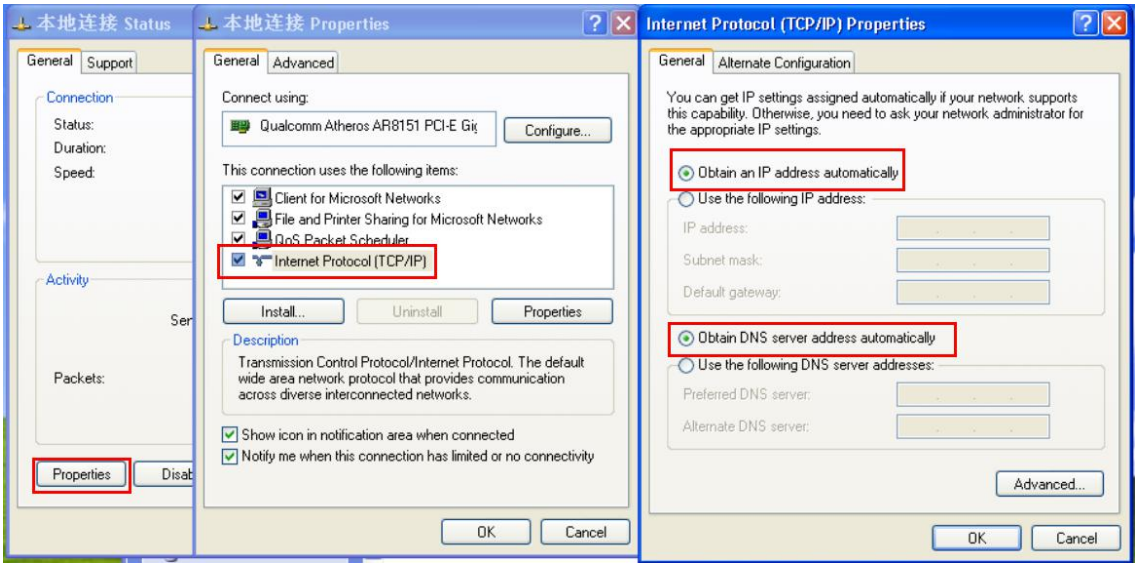


P43 System info

4th Share Internet and Obtain IP address automatically

Set computer's TPC/IP as Obtain an IP address automatically, Obtain DNS server address automatically as following picture showed.

the computer will obtain the IP address from router or base station to get Internet.



Trouble Shooting:

F 1 The Failure phenomenon and solution

Failure phenomenon	Solution
SYS Indicator off	Pls make sure the PoE module connection is right. POE Port

	connect with AP, LAN port connect with computer
Can't land to Wireless AP through Web page	Pls check the IP address of computer and Wireless AP to see whether they are in same networking segment, The method is click "start"-"Run" input"cmd"， ping 192.168.188.253 to test the Wireless AP connectivity. Reset Wireless AP and load it again; Pls make sure the IP address 192.168.188.253 is not occupied by other device in Wireless AP's networking; Check computer and cable problem, recommend to use 10/100M UTP unshielded cable; Clean up Arp binding from "Start"-"Run" input"cmd" arp –d Clean the IE Brower's temporary files and Cache file。
Wireless AP can't connect with AP （the status display unconnected）	Try to scan the avaliable wireless networking again； Make sure the Wireless AP's wireless standard（11b/g/n, 2.4G）is correct； The Security and passwords are matched between Wireless AP and AP； The signal strength of AP is too weak to connect, should be more than -75dBm；
Can't scan the wireless AP	Scan it several times more； Make sure there are 5G signal existed. Reset the Wireless AP, scan it again after Wireless AP restart；
The connection of Wireless AP and AP is success, but the computer can't share internet	Pls Check the computer's IP address and DNS setting. If it is dynamin, set the network card as automatically obtain. If it is static IP, pls contact with ISP for correct IP address and DNS address.
How to Reset Wireless AP	Press the "Reset" button more than 15 seconds after power on. The Wireless AP will restore factory default after the Wireless AP restart.

You would like to get more information ?
Feel free to let us a comment
http://www.gigamedia.net/contact.php

Or please write us an email to :support.actifs@conectis.com