

# User Manual



This is the user manual of 300Mbps 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.

**Attention:**

**1. Check box contents:**

Ceiling Wireless AP

Power adapter

LAN cable

User Manual

Setting Screws

**2. Warning:**



**Attention**

- Do not use the product in high humidity or high temperatures.
- Do not use the same power source for the Product as other equipment. Only use the power adapter that comes with the package. Using a different voltage rating power adapter may damage the device.
- Do not open or repair the case yourself. If the Product is too hot, turn off the power immediately and have it repaired at a qualified service center.
- Place the Product on a stable surface and avoid using this product and all accessories outdoors.

## Contents

1st: Hardware and Operation mode Instruction.....	4
LED indicator:.....	4
AP Interface:.....	4
Power Supply:.....	4
1. PoE Adapter Power Supply:.....	4
2. PoE Switch Power Supply.....	4
AP installation:.....	5
2nd: Connect Wireless AP with PC:.....	5
3rd: Login.....	6
4th : WEB GUI interface Setting:.....	9
1) Status.....	9
2) Wizard Configuration:.....	11
1. Gateway Mode:.....	12
2. WiFi Repeater mode.....	14
3. WISP Operation mode:.....	15
4. AP Operation mode:.....	17
3) Advanced Setting:.....	19
Device Status:.....	19
Wireless Setting.....	20
Virtual AP.....	22
Access Control.....	23
Advanced Settings.....	23
Network setting.....	23
Management.....	24
5th Share Internet and Obtain IP address automatically.....	26
Trouble Shooting.....	27

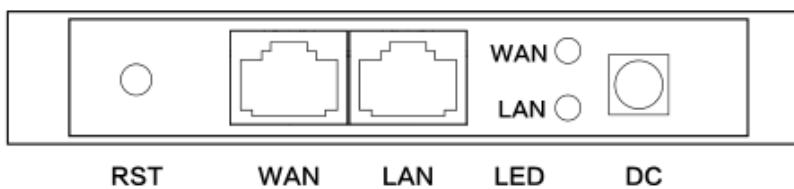
# 1<sup>st</sup> Hardware and Operation mode Instruction



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

LAN: 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

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

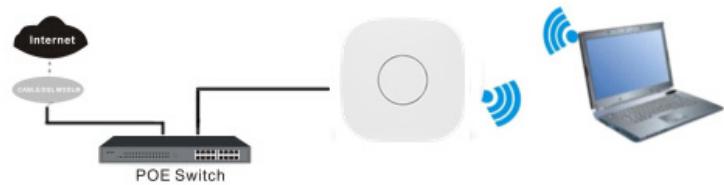


P1

### 2. PoE Switch Power Supply

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.

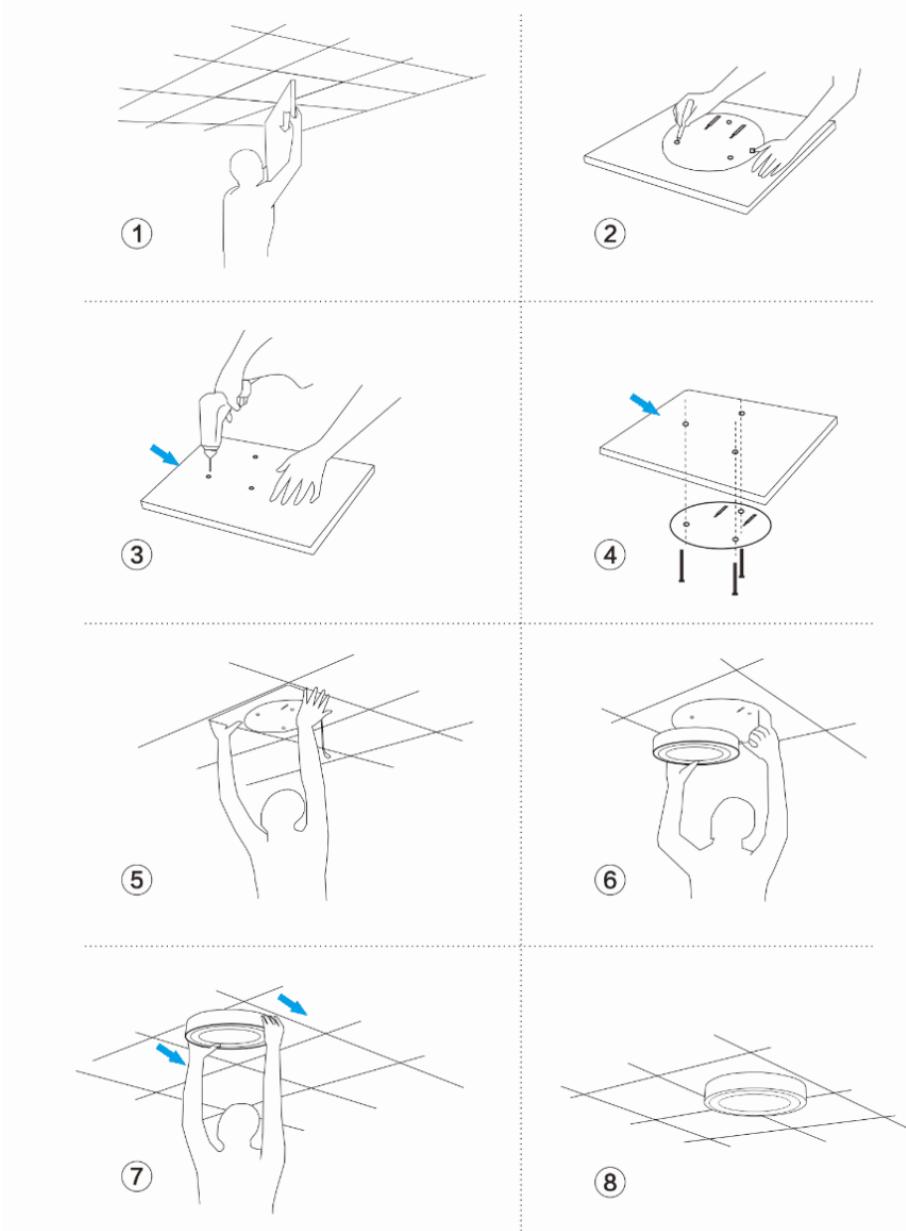
Please note the PD wireless AP support 48V IEEE 802.3af standard PoE, the PoE switch should comply with 802.3af 48V PoE standard.



P2

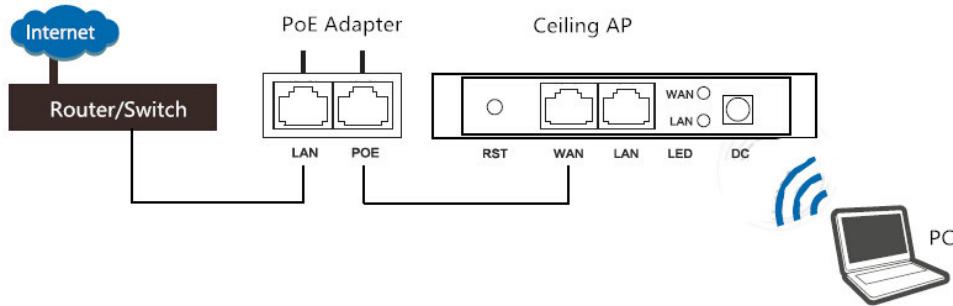
#### AP Installation:

For the Ceiling Wireless AP, will be installed under ceiling based on following steps:

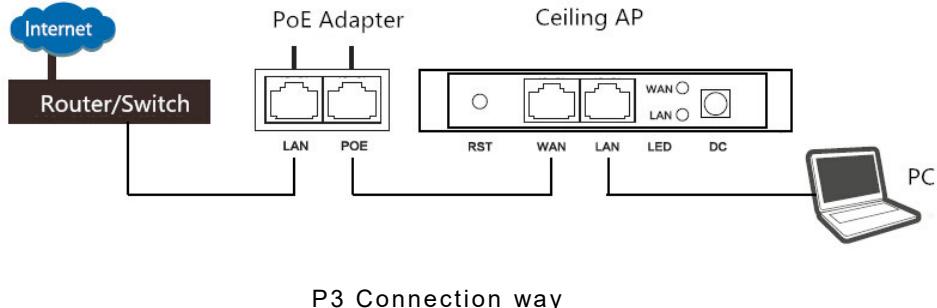


## 2<sup>nd</sup>: Connect Wireless AP with PC:

Use can connect the PC with wireless AP by Wireless SSID and LAN cable:  
The diagram of wireless connection showed as follow:  
P1s note: the default SSID is **Wireless 2.4G**, SSID's password is **66666666**



The diagram of LAN cable connection showed as follow:



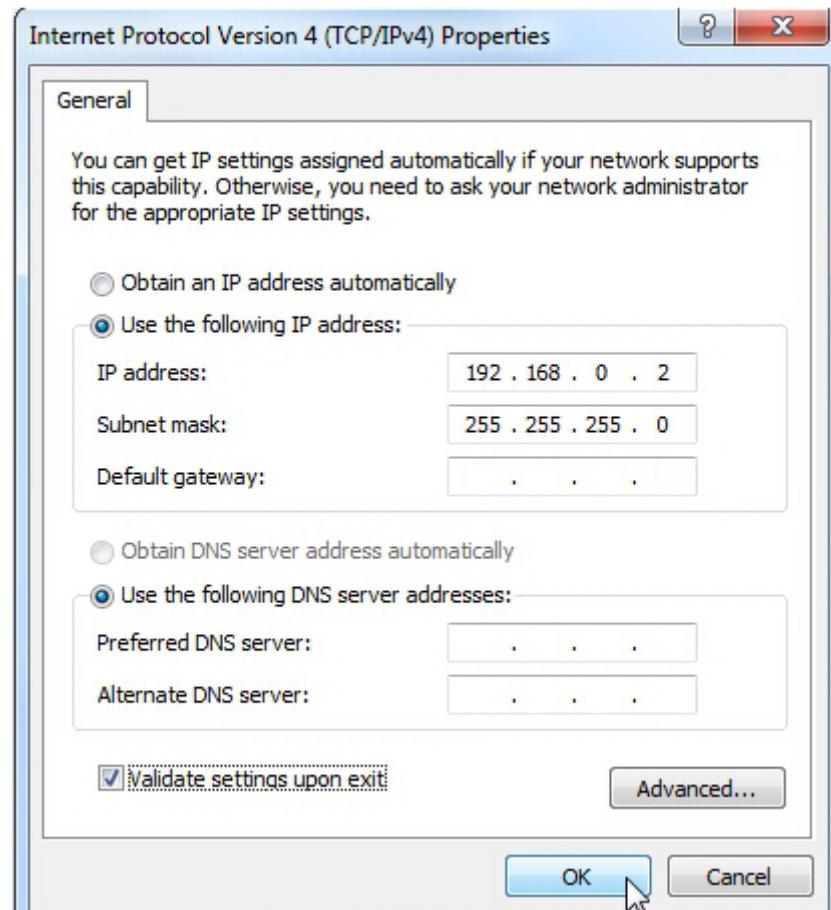
P3 Connection way

## 3<sup>rd</sup>: Login

- 1) Connect the Ceiling AP with computer by wired or wireless
- 2) The default IP address of this wireless AP is 192.168.188.253, 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.

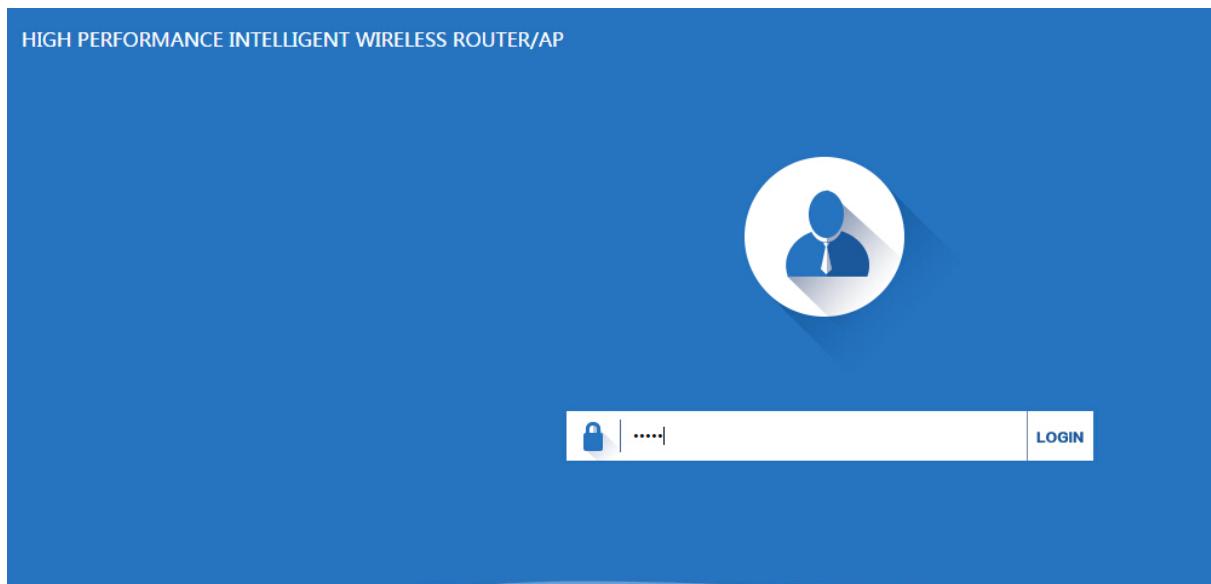


P4 Setting of computer's IP address



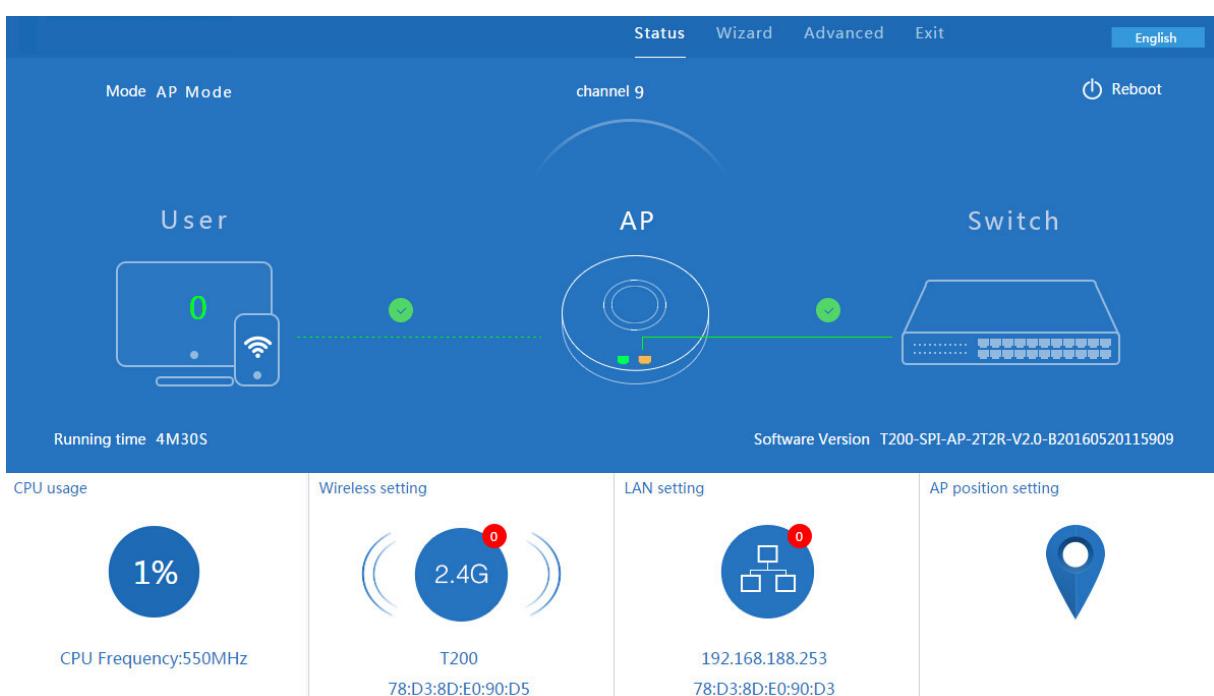
P 5 Setting of computer's IP address

3) Input 192.168.0.254 into IE browser, then pop up the login page, the default login password: admin, then login,  
pls do following P6



P6 Login

4) After login, then P7 Device Status will be showed;  
This page will show the Wireless AP's default operation mode, channel, connection status, CPU usage, Wireless settings, LAN Setting, Wireless AP's Location, hardware/firmware version.

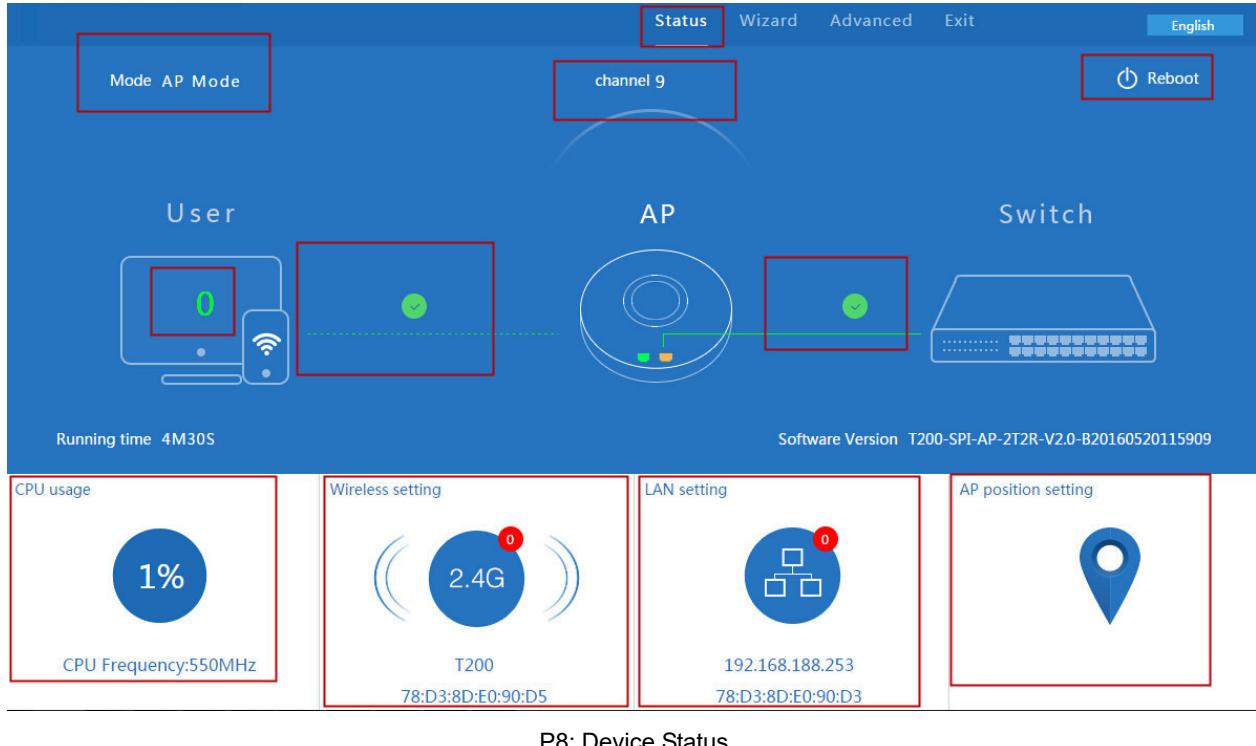


P7: Device Status

## 4<sup>th</sup> : WEB GUI interface Setting:

### 1) Status

After login, then P8 Device Status and home page will be showed:

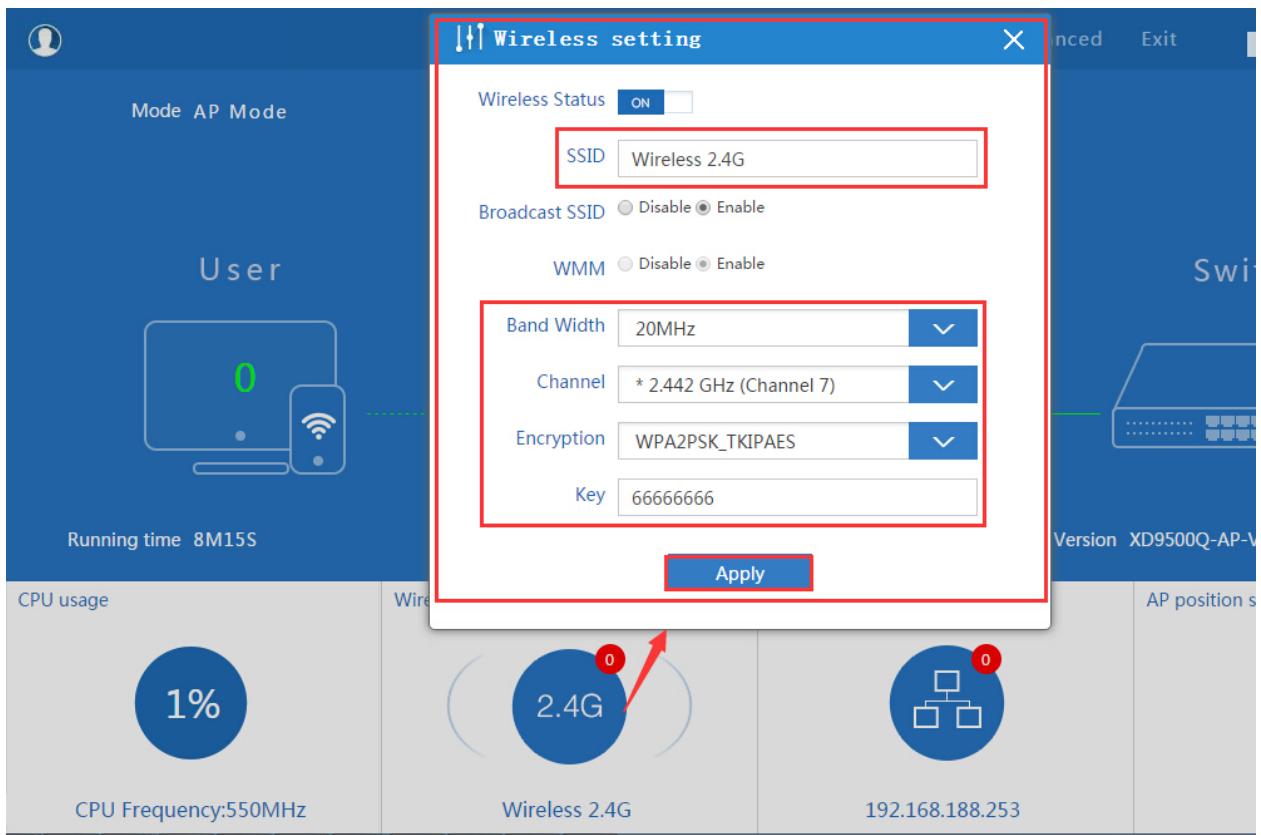


P8: Device Status

In this page, show the AP's default operation mode, channel, end user QTY, connection status, CPU usage status, Wireless, LAN and AP location info.

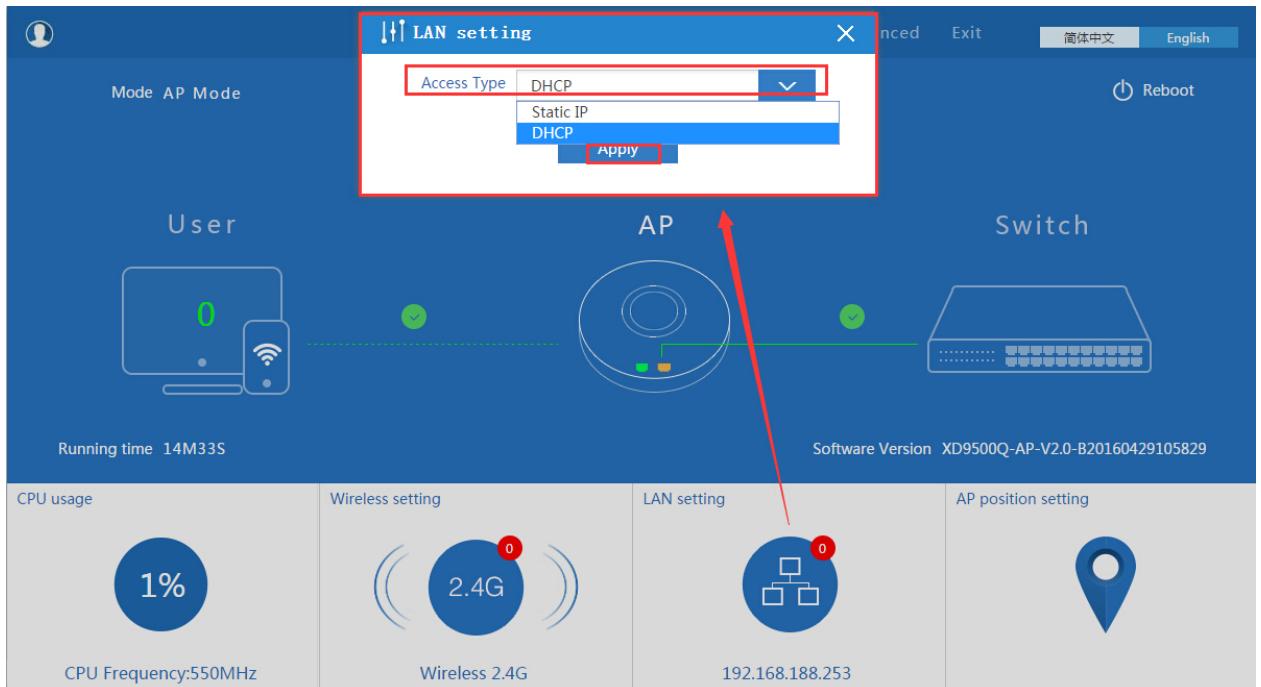
Then in Wireless Setting, GUI configuration page showed as below:

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



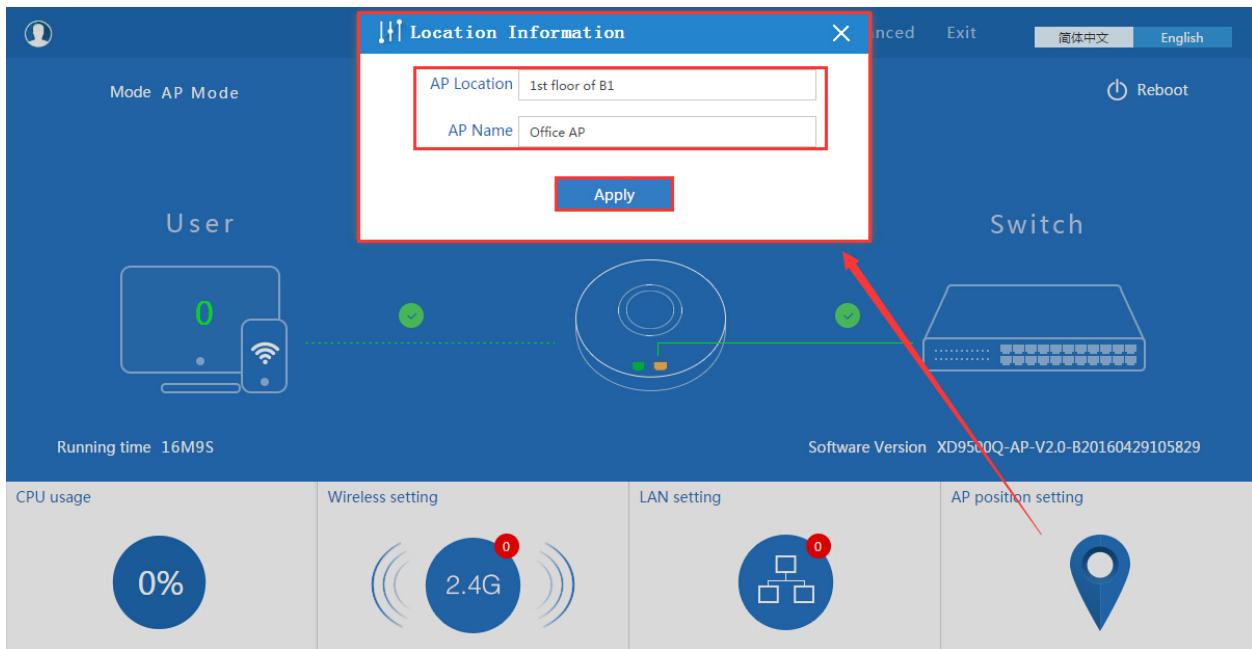
P9. Wireless setting

LAN Setting to configure the DHCP or Fix IP



P10 LAN Setting

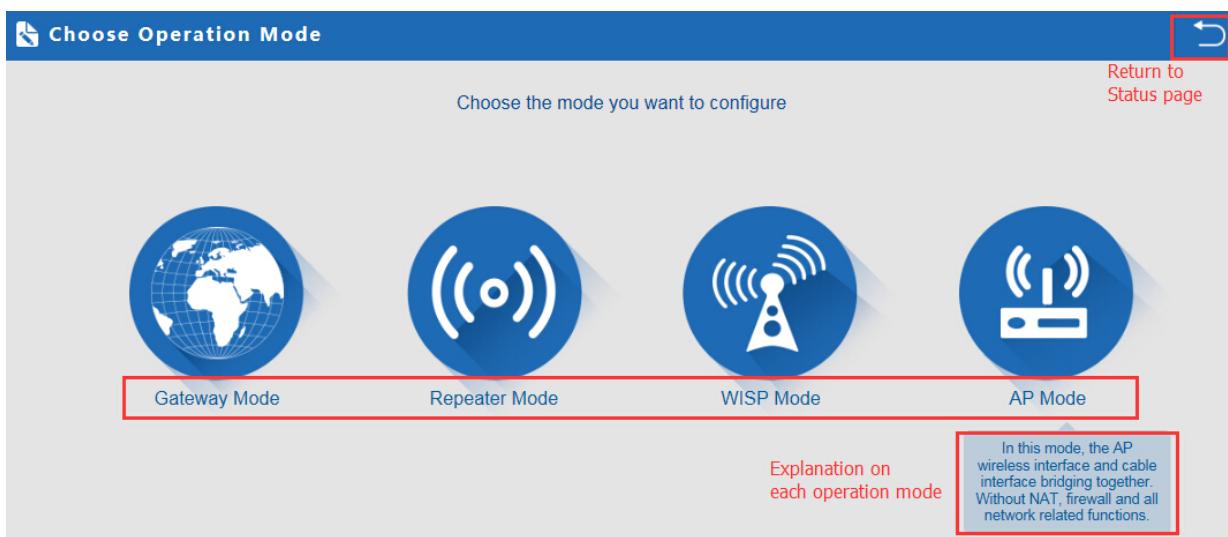
AP location setting: can mark where the AP set up, and AP name as P11:



P11 AP Postion setting

## 2) Wizard Configuration:

Wizard: It instruct users to configure wireless AP's operation mode based on needs: there are four operation mode including gateway, repeater, WISP, Wireless AP. Please confirm the operation mode first before configuration starting. Click Wizard in Status page, will pop up following page to configure the operation mode and there are explanation for each operation mode for better application.

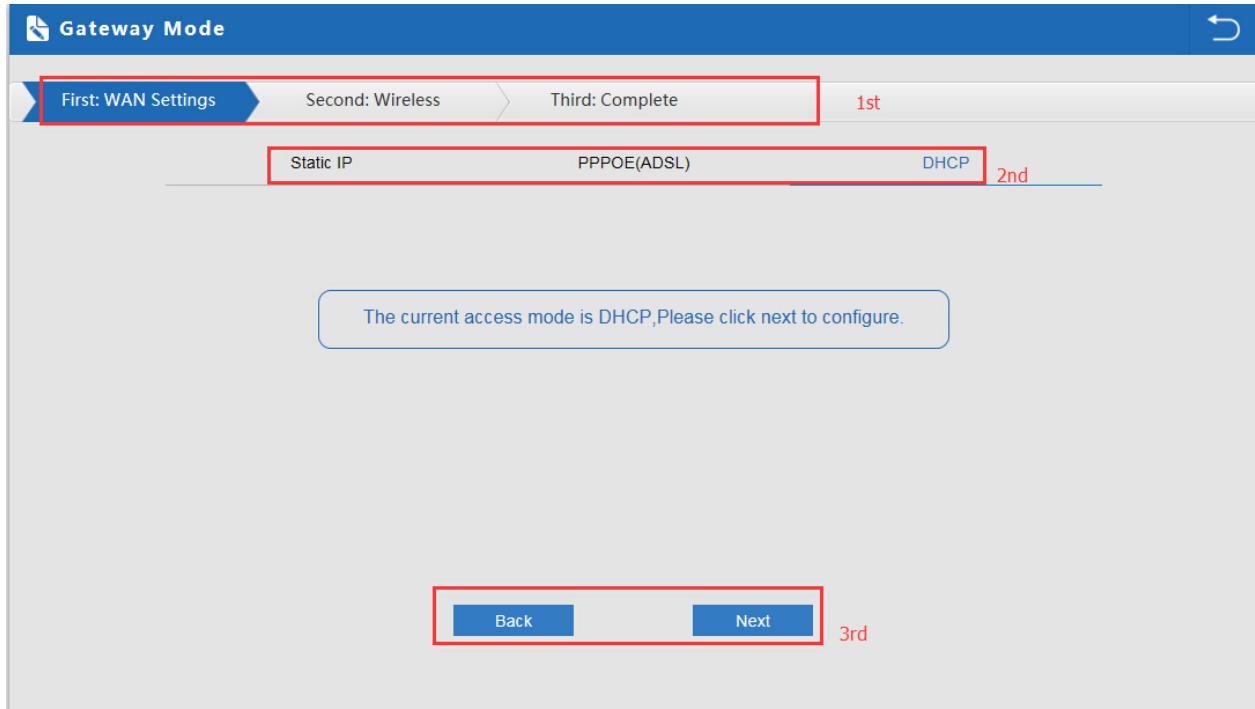


P12 Operation mode

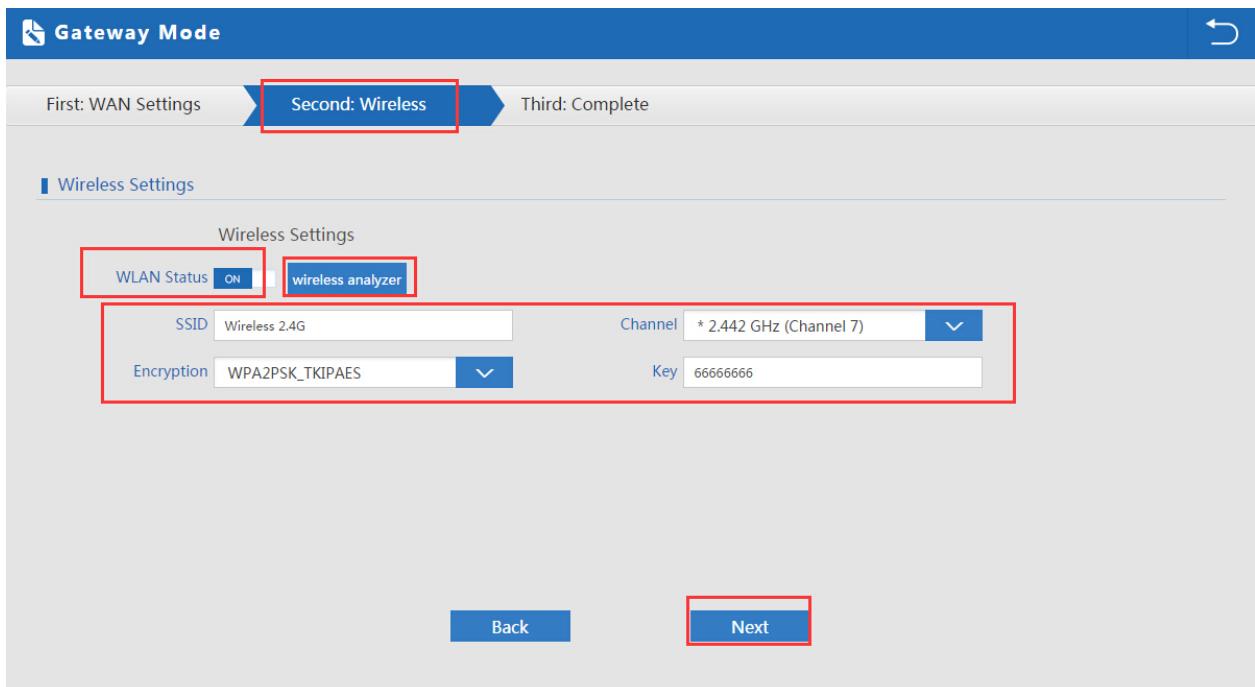
### 1. Gateway Mode:

Before Click Gateway mode, confirm your internet will be static IP, PPPoE, or DHCP:

Then will pop up following picture after click it, Please choose the right WAN setting mode, then click next to continue.



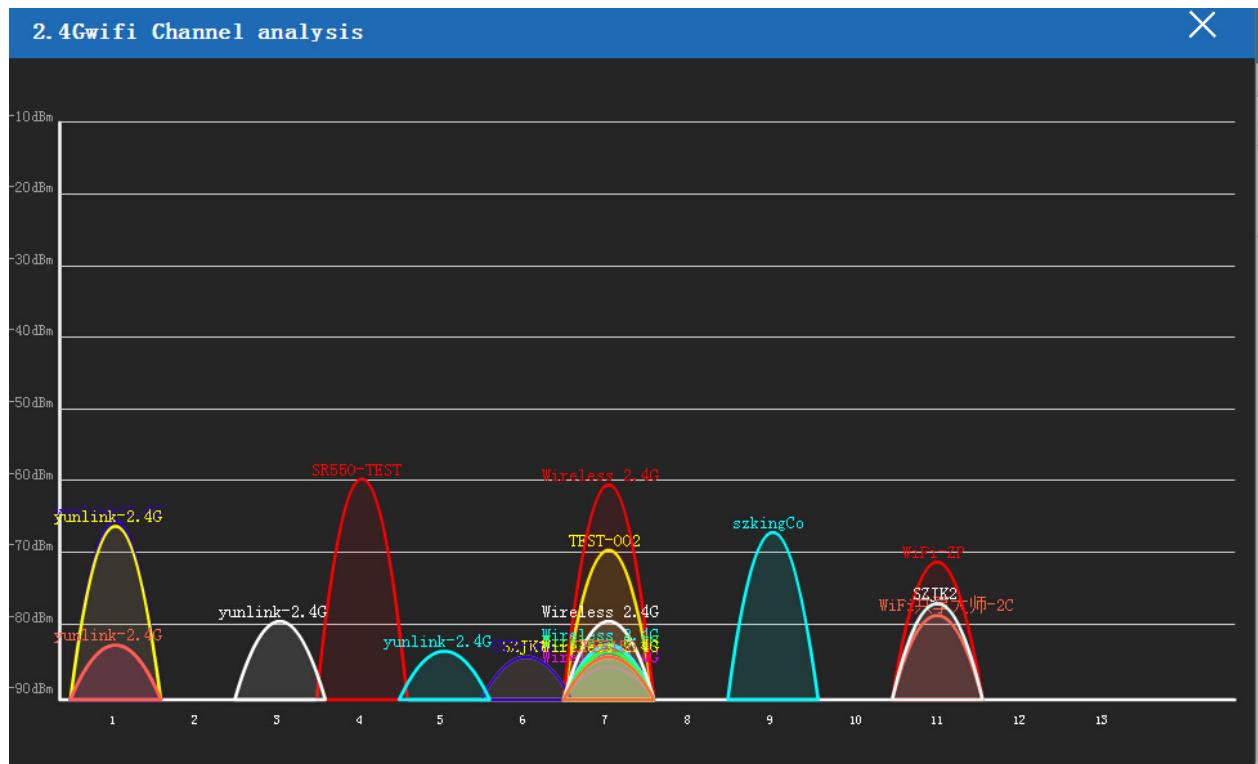
P13. WAN setting in Gateway Mode



P14 Wireless Setting in Gateway Mode

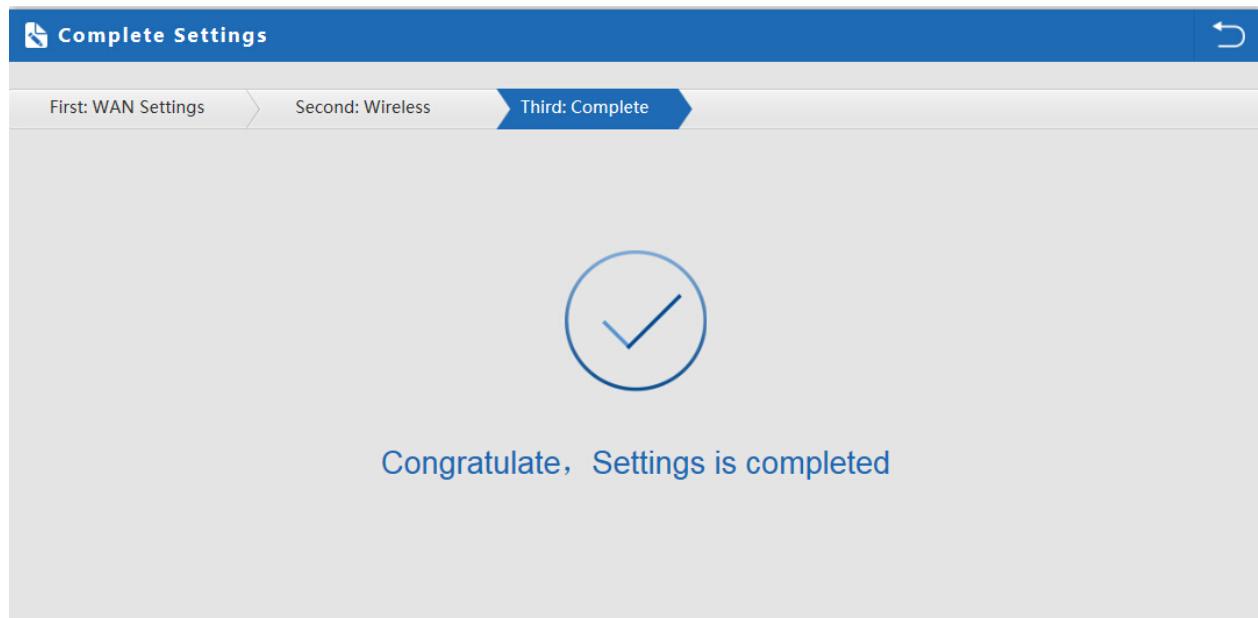
Please note: to make the AP in some clear channel, user can click wireless analyzer at first. Less AP in the channel,

then Wireless performance will be more stable. Picture showed as below:



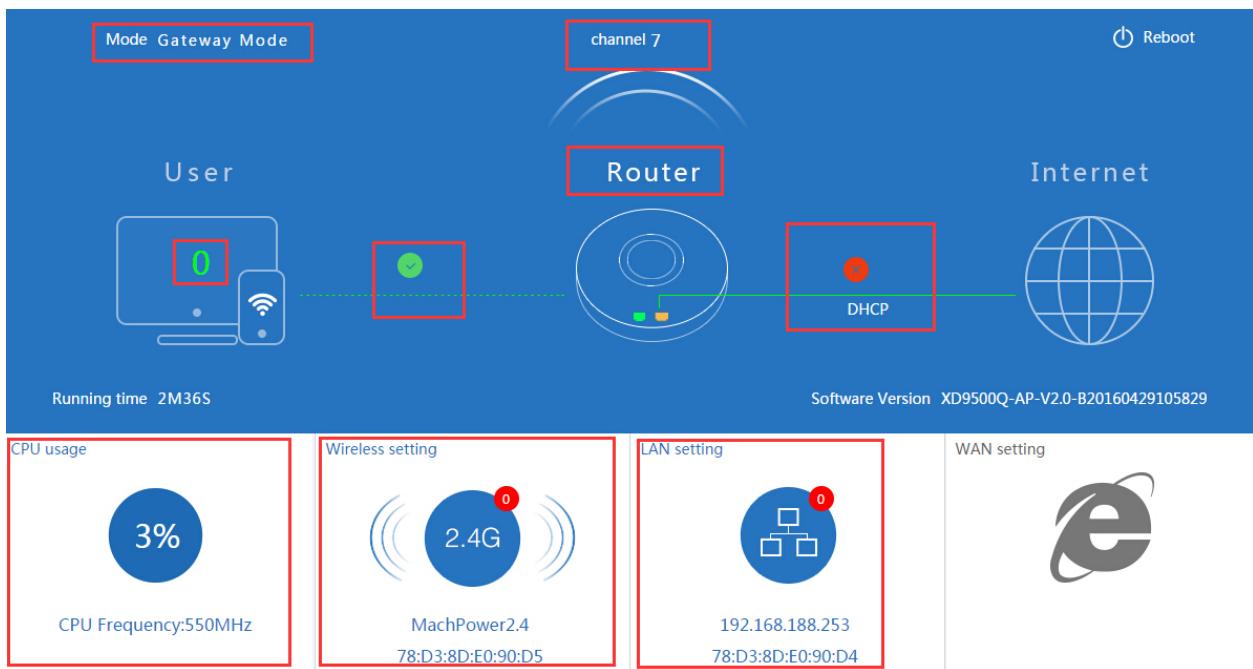
P15 Channel Analysis

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



P16 Complete the setting in Gateway Mode

When return to Status, will show wireless router's SSID, internet connection, LAN connection status showed as follow:



P17 Status in Gateway Mode

## 2. WiFi Repeater mode

A. Login the Web management page, click “Wizard”, then “WiFi Repeater”

B. Select the AP’s SSID want to bridge, take “wireless 2.4G” for example, then input the AP’s key, click next to complete

Repeater Mode

First: Repeater Second: Complete

Wireless Repeater

Repeater SSID: Wireless 2.4G

Scan AP

Authentication: WPA2PSK\_TKIPAES

Key: 66666666

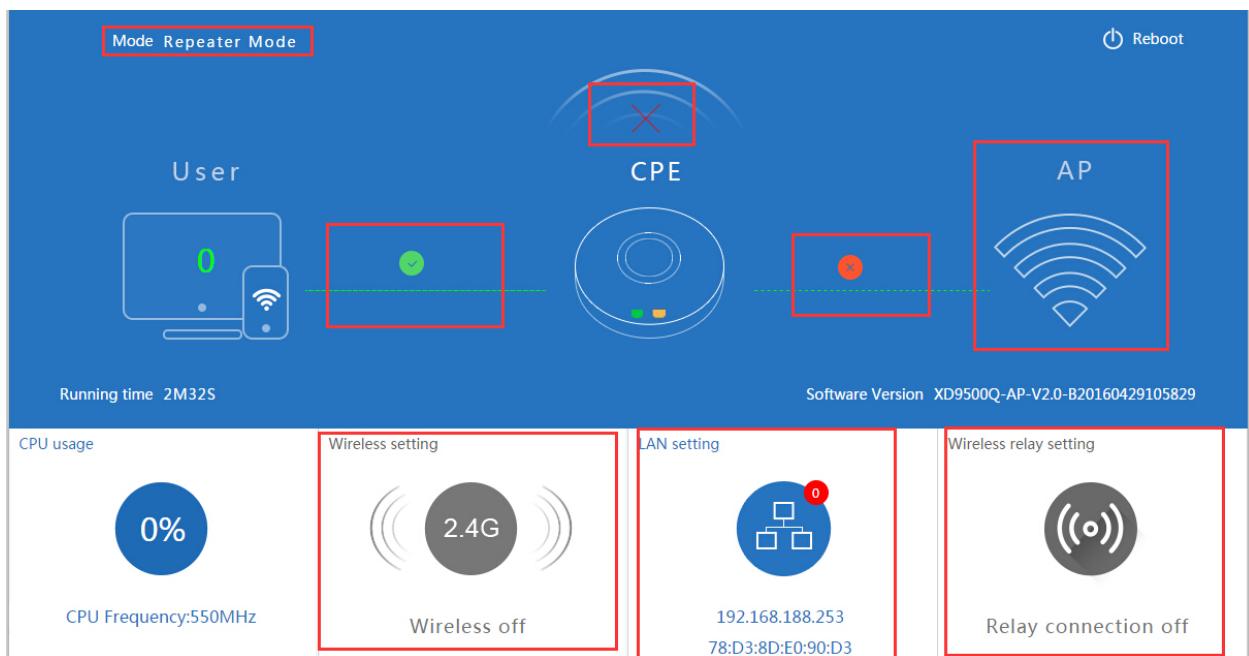
Band Width: 20MHz

Back

Next

P18 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

In wifi repeater operation mode, the default is SSID disable. If want to enable SSID, then click Wireless Setting.

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

Repeater Mode

First: Repeater Second: Complete

Wireless Repeater

Repeater SSID: Wireless 2.4G

Scan AP

Authentication: WPA2PSK\_TKIPAES

Key: 66666666

Band Width: 20MHz

Back

Next

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:

WISP Mode

First: Repeater      Second: WAN      Third: Complete

Wireless Repeater

Repeater SSID: Wireless 2.4G      Scan AP

Authentication: WPA2PSK\_TKIPAES

Key: 66666666

Back      Next

### P21 WISP Mode

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

WISP Mode

First: Repeater      Second: WAN      Third: Complete

Static IP      PPPoE(ADSL)      DHCP

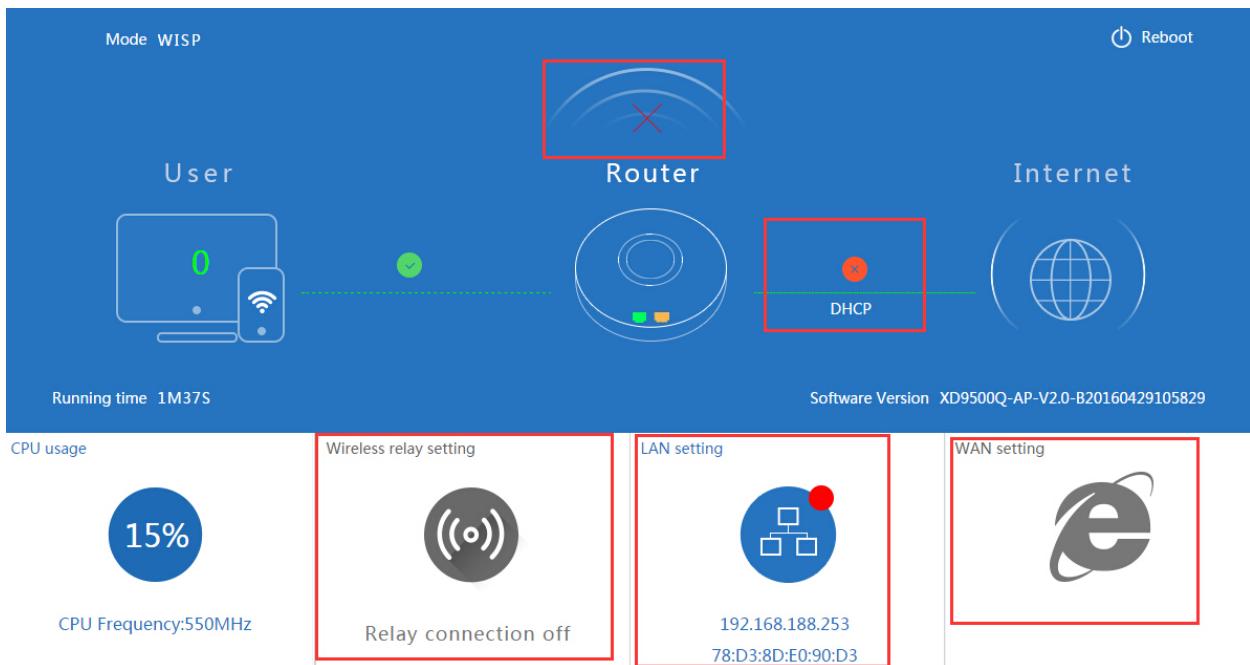
IP Address      Subnet Mask

Default Gateway      Primary DNS

Back      Next

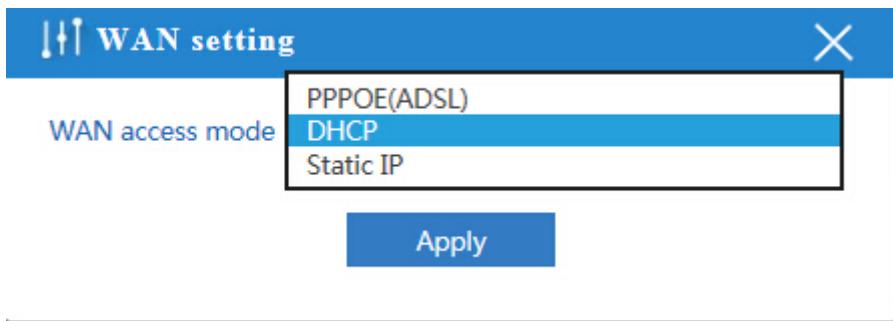
### P22 WAN setting in WISP mode

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



P23 Status in WISP mode

Remark: When click WAN Setting, will pop up following picture to ask you choose PPPoE, DHCP or Static IP

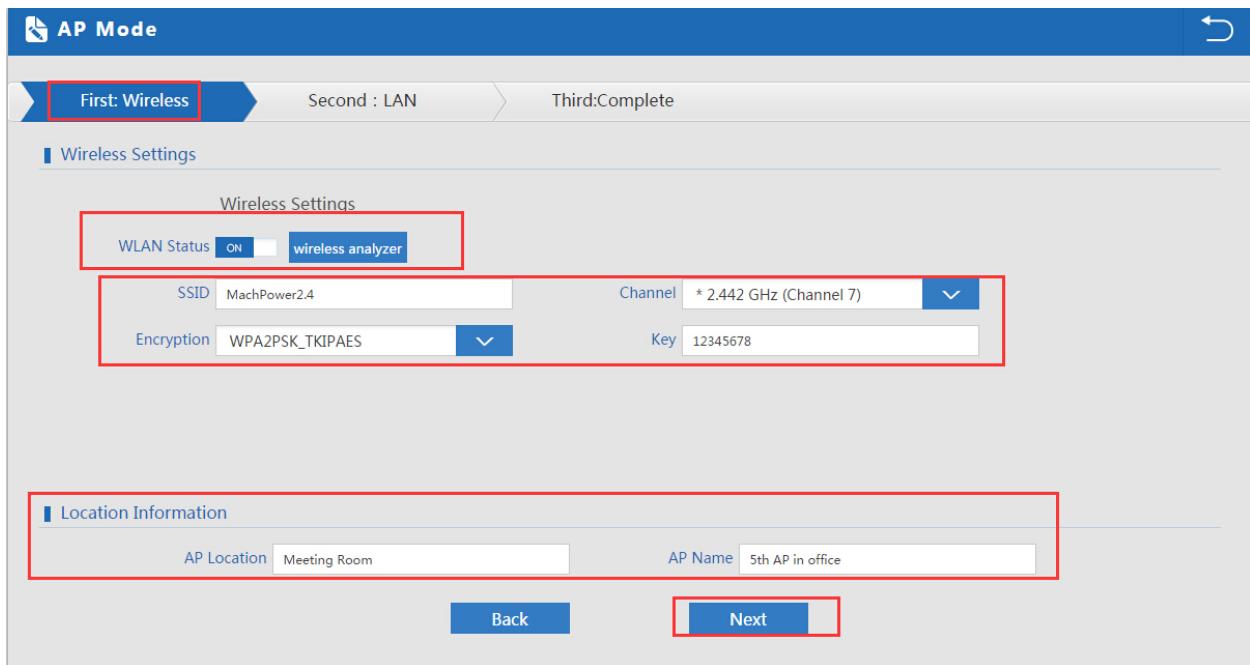


P24 WAN setting in WISP mode

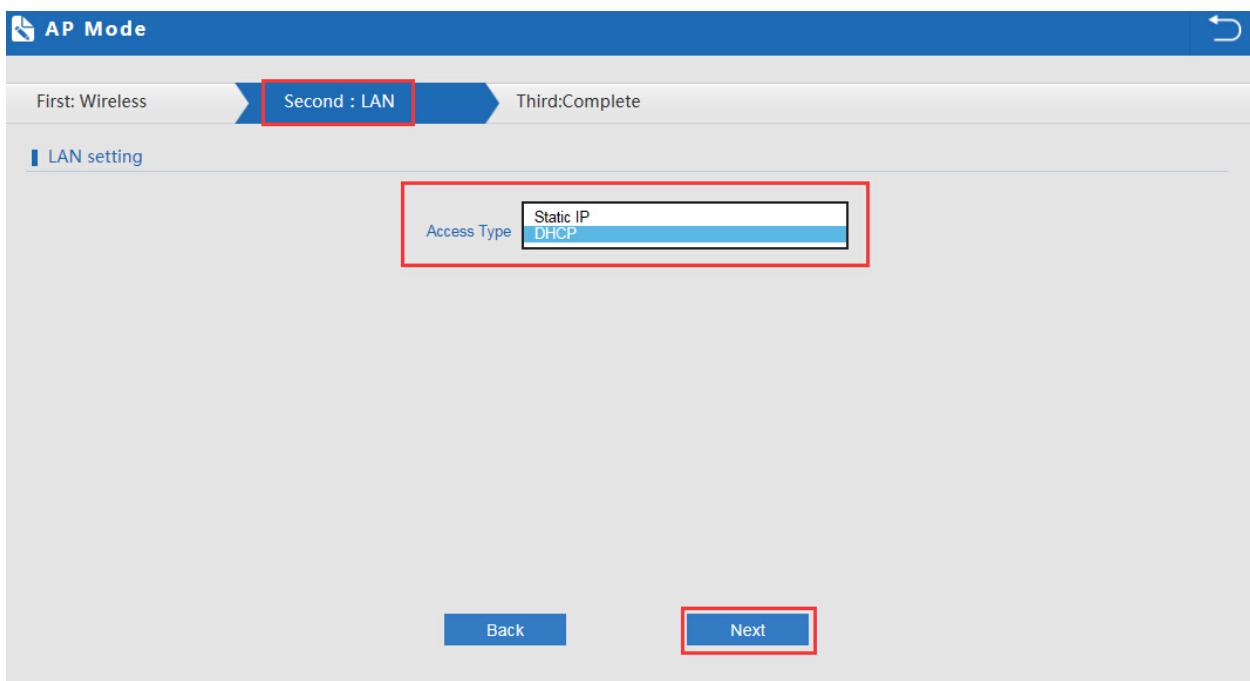
#### 4. AP Operation mode:

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

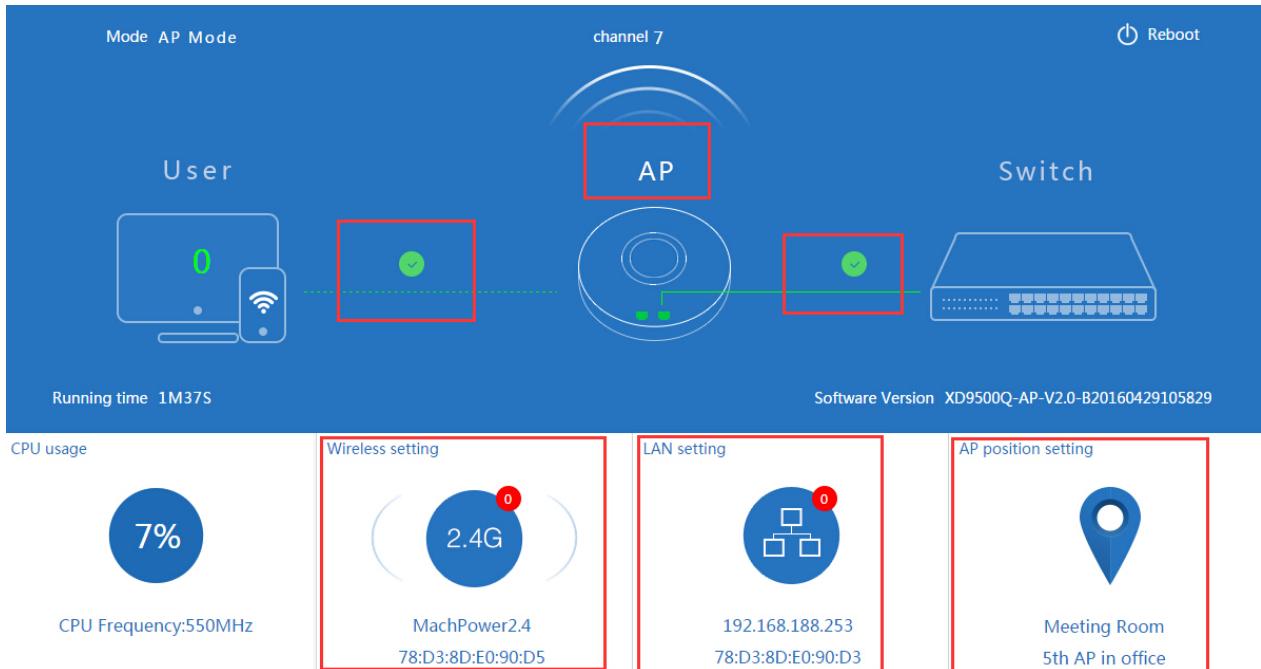
After LAN setting, complete the AP mode configuration and back to Status:



P25 Wireless setting in AP Mode



P26 LAN Setting in AP Mode



P27 Status in AP Mode

### 3) Advanced Setting:

In advanced setting, mainly for wireless AP's device status, wireless setting, Networking setting and AP management configure.

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

Let's shown more in Device Status, Wireless, Network and Management in following pages:

**Device Status:** to show the Wireless AP's status, Wireless Status and LAN status.

In status, mainly to check the ceiling wireless AP's firmware version, hardware version, uptime info.:

Advanced Settings

Return home

Setup Wizard

Device Status

Wireless

Network

Management

Status

Wireless Status

LAN Status

Status

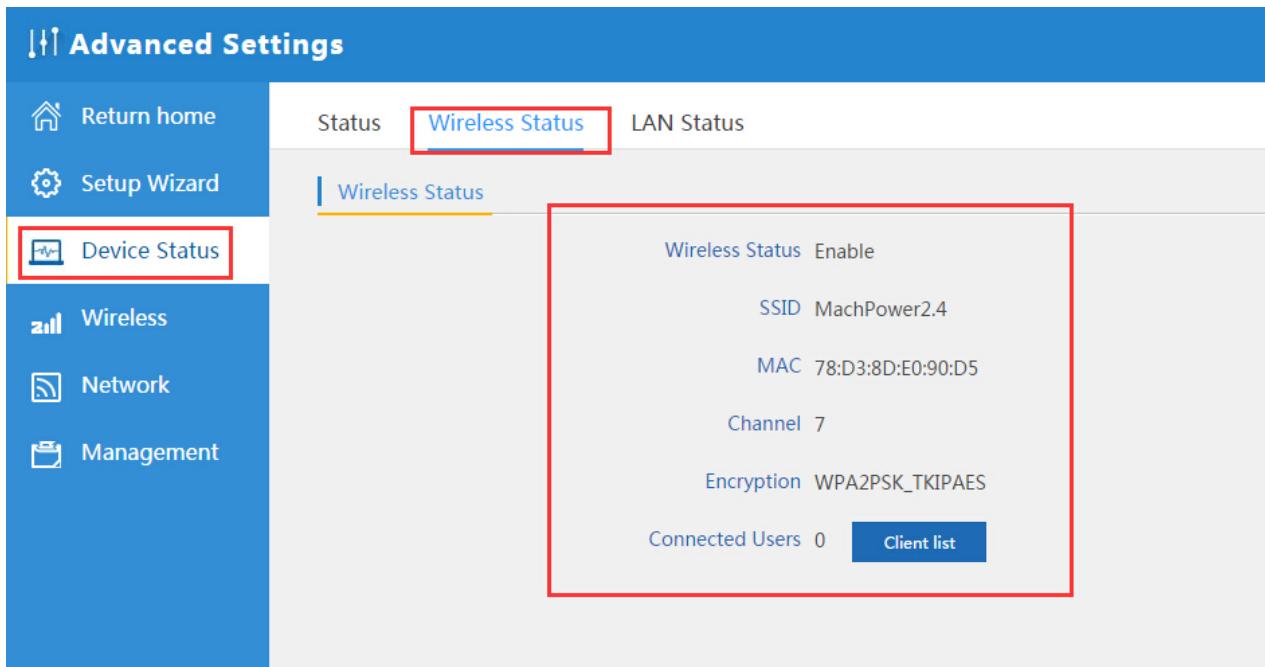
Software Version XD9500Q-AP-V2.0-B20160429105829

Hardware Version V5.0

Uptime 3M10S

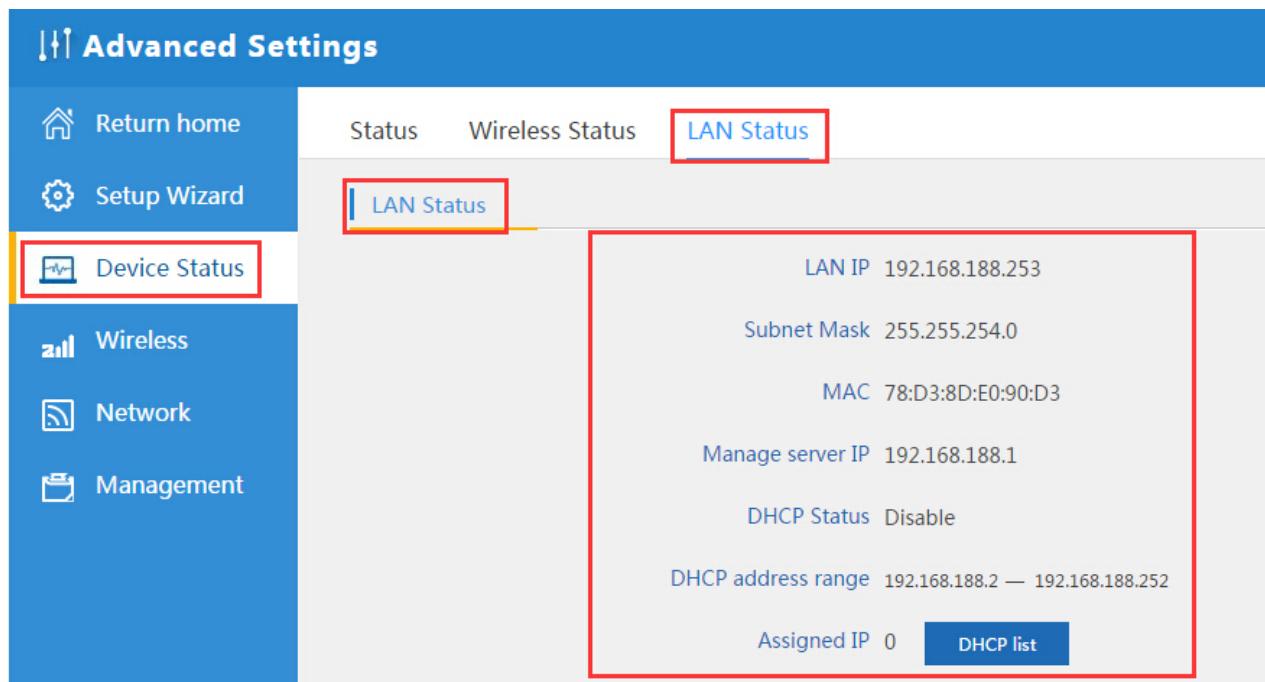
P28 Device Status

In wireless status, to show wireless AP's SSID, MAC address for WiFi, Channel, Encryption, Client List info.



P29 Wireless Status

In LAN Status, we can check wireless AP's IP address, Subnet Mask, LAN MAC address and other info showed in following picture.



P30 LAN Status

### Wireless:

For wireless, mainly to configure the wireless SSID, password, encryption, channel, Multi SSID, tag VLAN, RF power adjust from Basic Setting, Virtual AP, Access control and Advanced Setting: