

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.

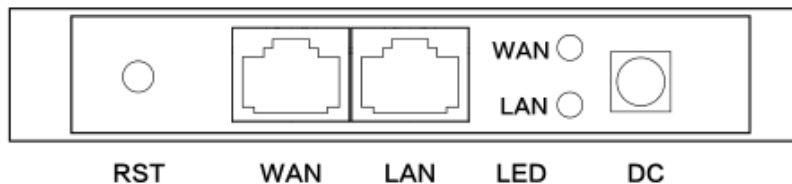
1st Hardware and Operation mode Instruction



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.



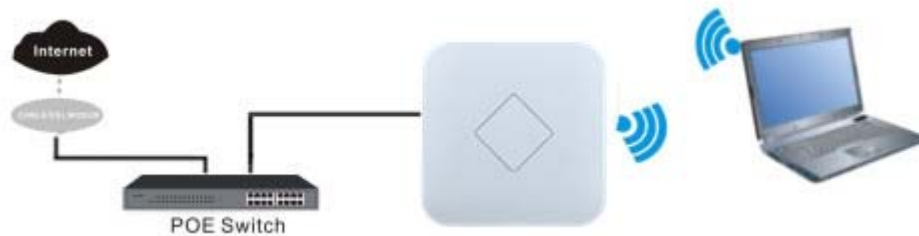
P1

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

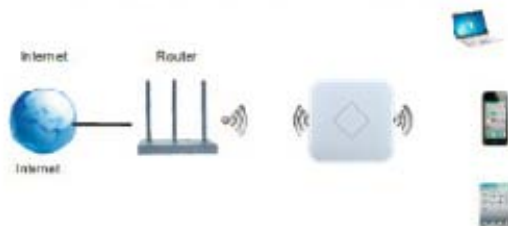
Operation Mode:

There are three operation mode on this wireless AP:

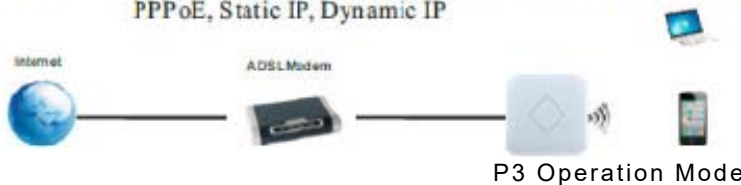
1. Wireless AP: Plug and Play to transmit Wireless signal for wireless end users from wired networking



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



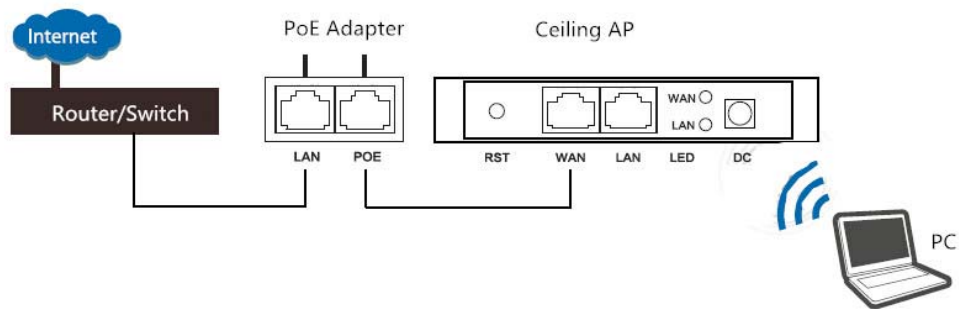
P3 Operation Mode

Connect Wireless AP with PC:

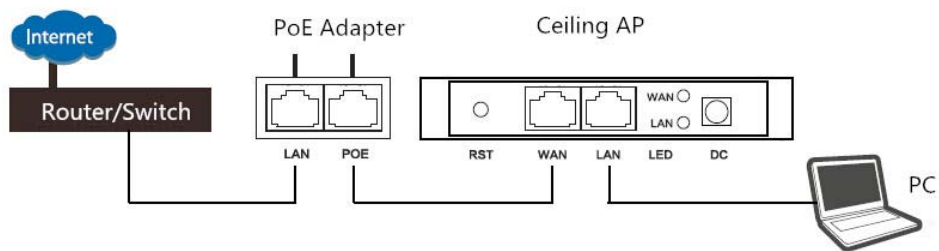
Use can connect the PC with wireless AP by Wireless SSID and LAN cable:

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:



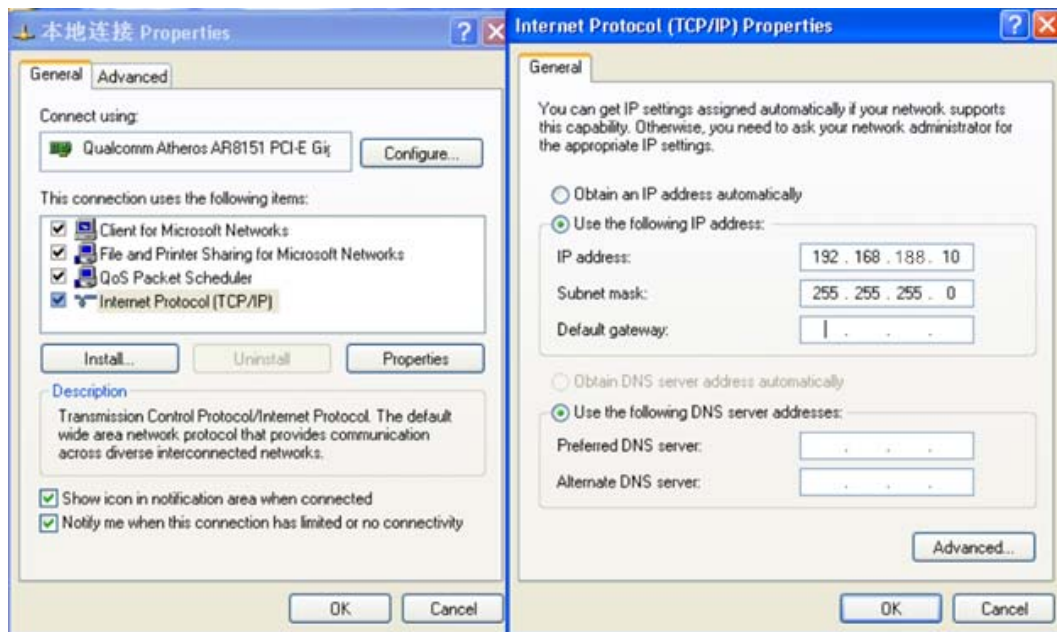
2nd: Login

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.

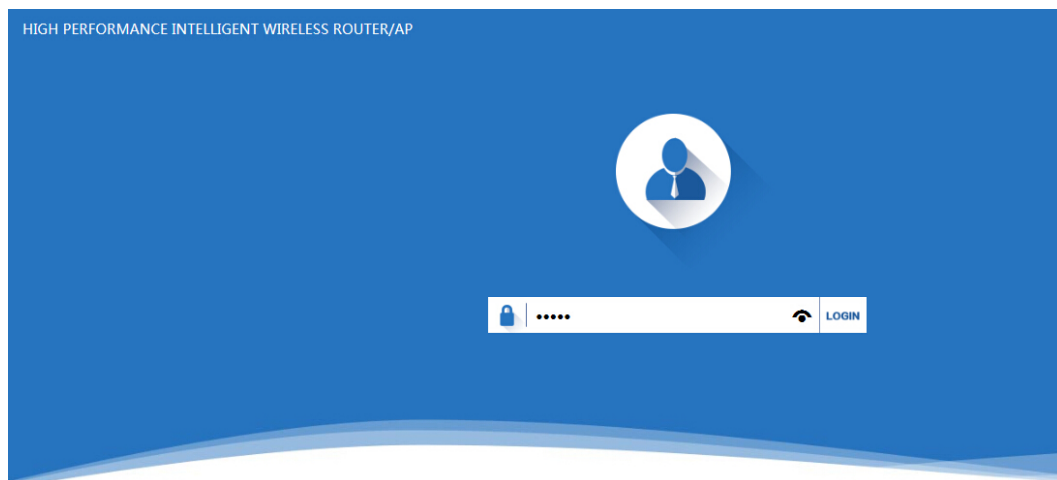


P4 Setting of computer's IP address



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



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

P6 Login

3rd : WEB GUI interface Setting:

1) Status

After login, then P7 Device Status will be showed:

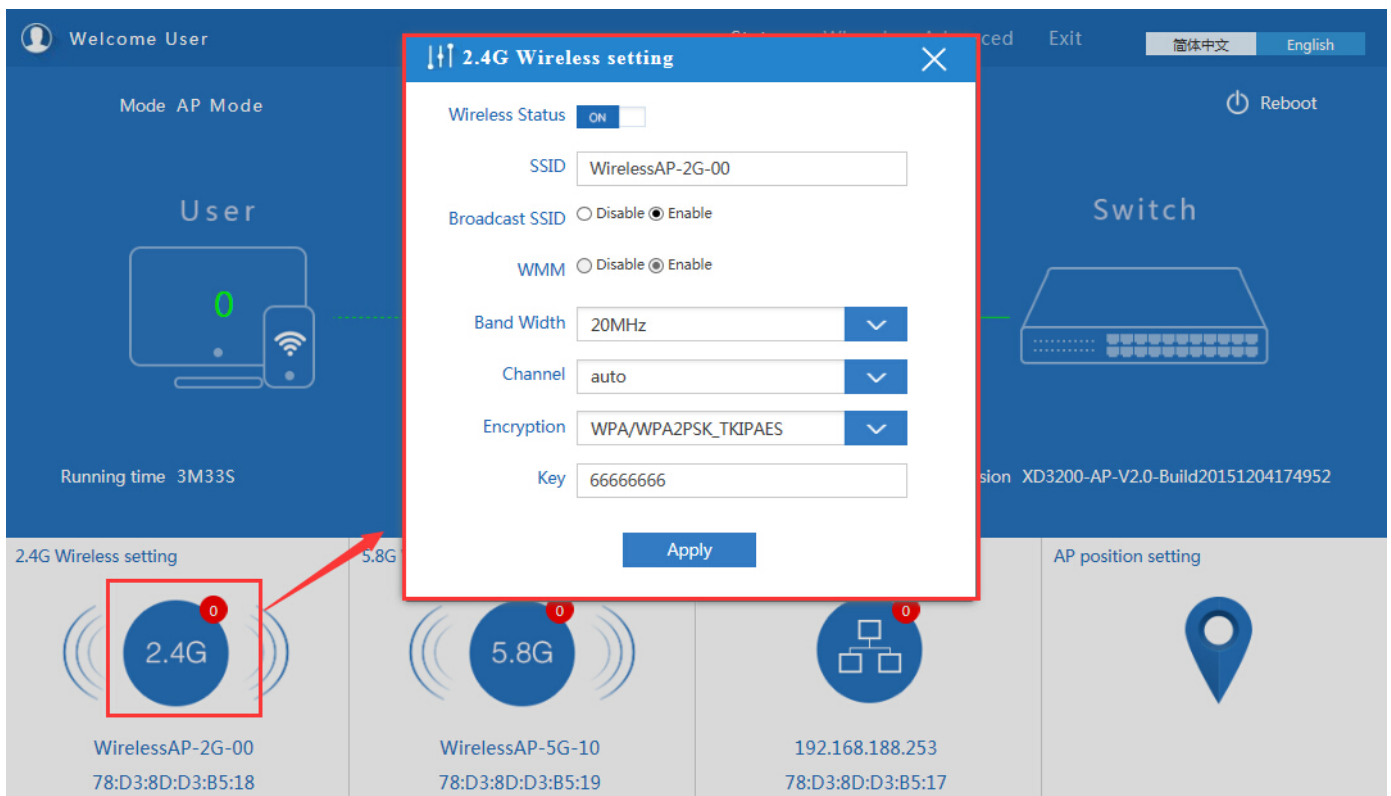


P7: Device Status

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:

The screenshot shows the 'Advanced Settings' page for 5.8G Wireless. The left sidebar includes 'Return home', 'Setup Wizard', 'Device Status', '2.4G Wireless', '5.8G Wireless' (selected), 'Network', 'Firewall', and 'Management'. The main content area has tabs for '5.8G Basic Settings', '5.8G Virtual AP', '5.8G Access Control', and '5.8G Advanced Settings'. Under '5.8G Basic Settings', there are three sub-sections: 'Wireless Basic Settings', 'Channel', and 'Encryption'. In 'Wireless Basic Settings', 'Wireless Status' is 'ON', '5G wireless analyzer' is a button, 'SSID' is 'Wireless 5.8G', 'Broadcast SSID' is 'Enable', and 'WMM' is 'Enable'. In 'Channel', 'Band Width' is '10MHz' and 'Channel' is '* 5.765 GHz (Channel 153)'. In 'Encryption', 'Encryption' is 'WPA/WPA2PSK_TKIPAES' and 'Key' is '66666666'.

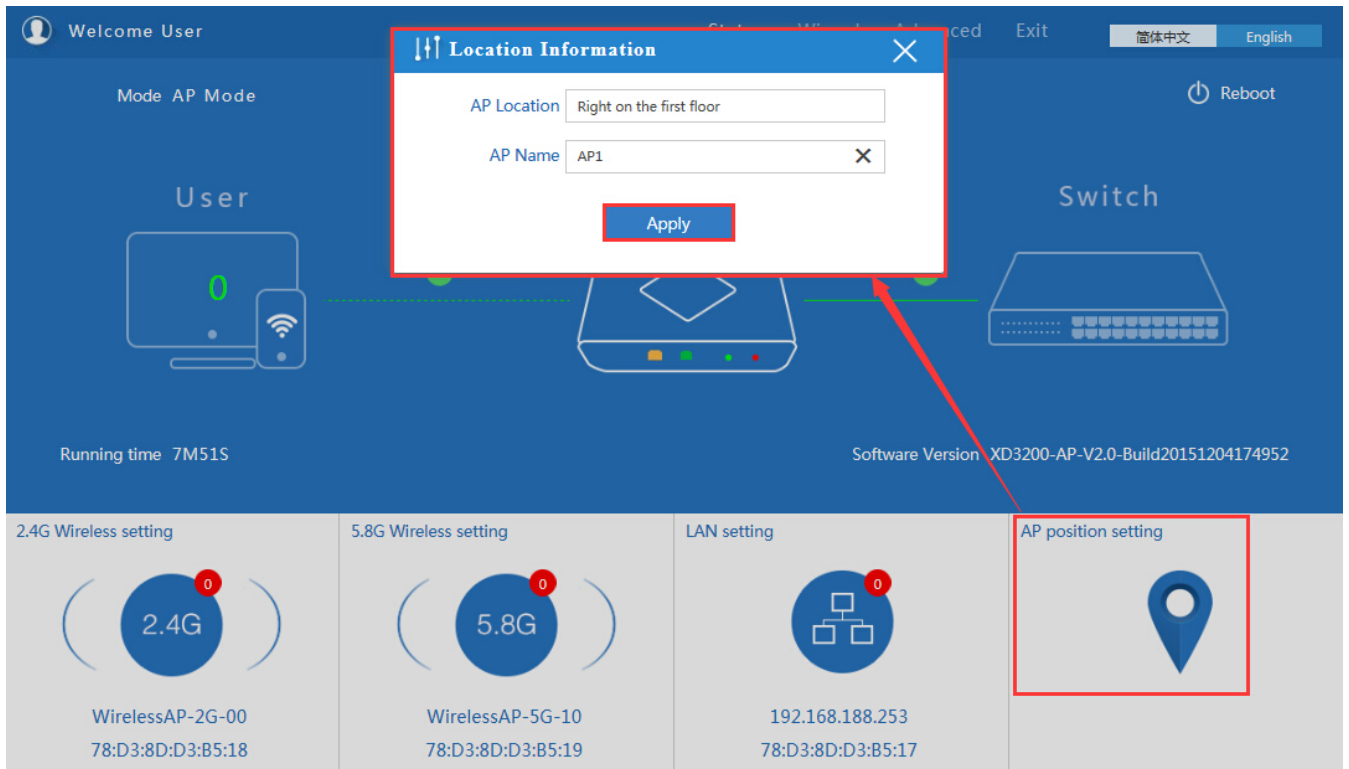
P9 5.8G Wireless Setting

LAN Setting to configure the DHCP or Fix IP

The screenshot shows the 'LAN setting' dialog box. The 'Access Type' dropdown is set to 'DHCP'. There is an 'Apply' button. The background shows a network diagram with 'User', 'Switch', and 'Reboot' buttons. At the bottom, there are four tiles: '2.4G Wireless setting' (WirelessAP-2G-00, 78:D3:8D:D3:B5:18), '5.8G Wireless setting' (WirelessAP-5G-10, 78:D3:8D:D3:B5:19), 'LAN setting' (192.168.188.253, 78:D3:8D:D3:B5:17), and 'AP position setting'. The 'LAN setting' tile is highlighted with a red box.

P10 LAN Setting

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

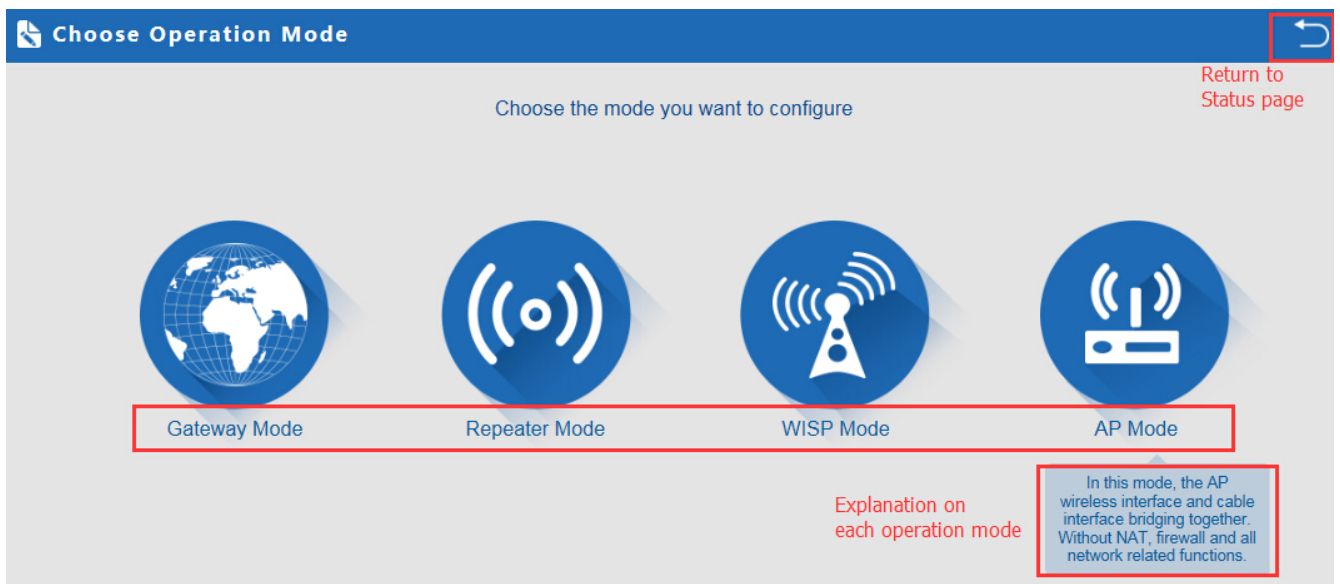


P11 AP Position setting

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.

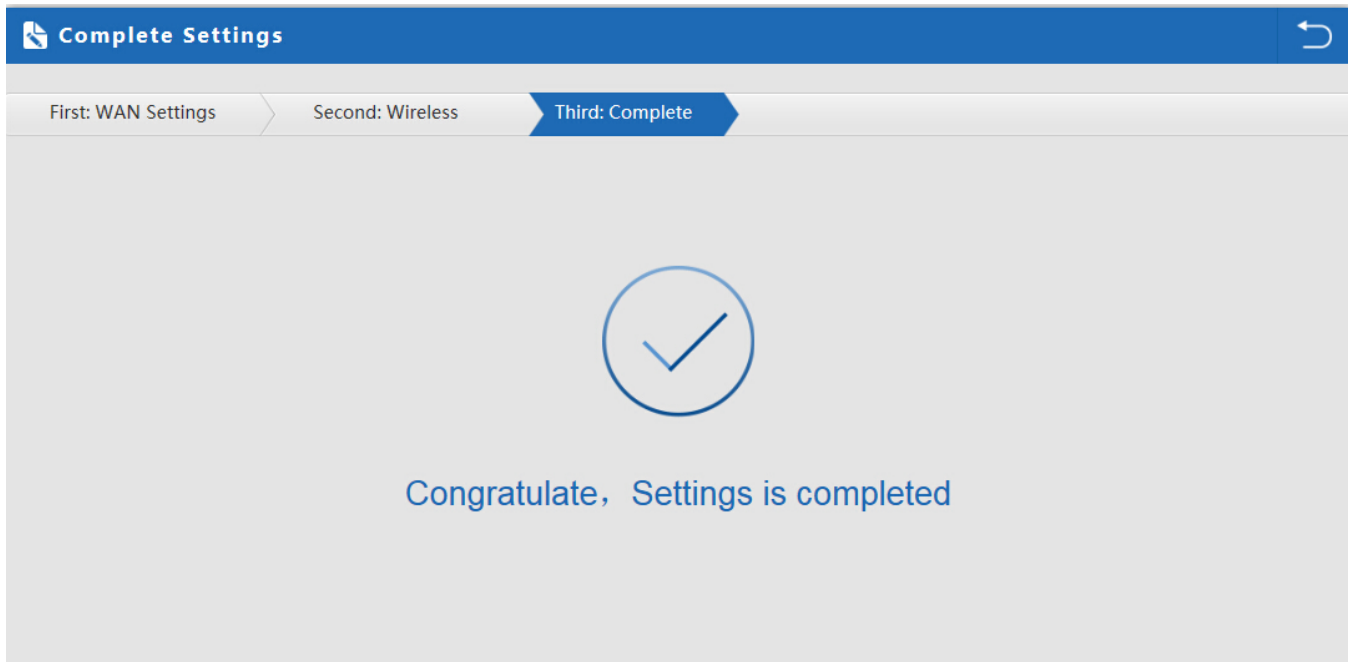
The screenshot shows the 'Gateway Mode' configuration interface. At the top, a progress bar indicates three steps: 'First: WAN Settings' (highlighted with a red box and labeled '1st'), 'Second: Wireless', and 'Third: Complete'. Below this, three WAN mode options are listed: 'Static IP', 'PPPOE(ADSL)', and 'DHCP' (highlighted with a red box and labeled '2nd'). A message box states: 'The current access mode is DHCP, Please click next to configure.' At the bottom, there are 'Back' and 'Next' buttons (the 'Next' button is highlighted with a red box and labeled '3rd').

P13. WAN setting in Gateway Mode

The screenshot shows the 'Gateway Mode' configuration interface for wireless settings. The progress bar shows 'First: WAN Settings', 'Second: Wireless' (highlighted with a red box), and 'Third: Complete'. Under the heading 'Wireless Settings 2.4G/5.8G', there are two columns of settings. The left column is for '2.4G Wireless Settings' (highlighted with a red box and labeled '1st'), showing '2.4GHz WLAN Status' as ON, '2G wireless analyzer' button, SSID 'WirelessAP-2G-00', Channel 'auto', Encryption 'WPA/WPA2PSK_TKIPAES', and Key '66666666'. The right column is for '5.8G Wireless Settings' (highlighted with a red box and labeled '2nd'), showing '5.8GHz WLAN Status' as ON, '5G wireless analyzer' button, SSID 'WirelessAP-5G-10', Channel '* 5.765 GHz (Channel 153)', Encryption 'WPA/WPA2PSK_TKIPAES', and Key '66666666'. At the bottom, there are 'Back' and 'Next' buttons (the 'Next' button is highlighted with a red box and labeled '3rd').

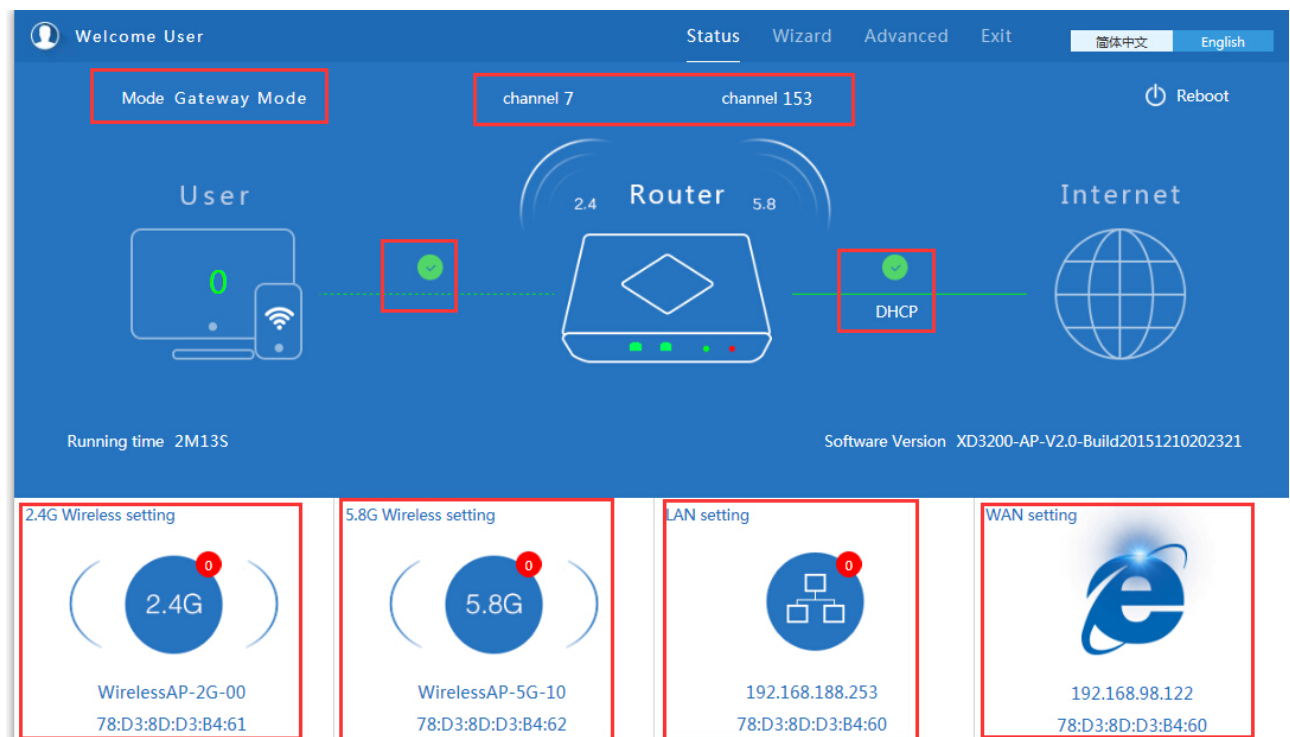
P14 Wireless Setting in Gateway Mode

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 setting 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:

The screenshot shows the 'Wireless Relay Setting' page. At the top, there's a 'Repeater Mode' header with a back arrow. Below the header, there are three steps: 'First: Repeater', 'Second: Wireless', and 'Third: Complete'. The 'Second: Wireless' step is currently active. Under the 'Wireless Repeater' section, there are two dropdown menus: 'Wireless Repeater' set to '2.4G' and 'Authentication' set to 'none'. To the right, there's a 'Repeater SSID' input field and a 'Scan AP' button. At the bottom, there are 'Back' and 'Next' buttons.

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 **1st** | Second: WAN | Third: Wireless | Fourth: Complete

Wireless Repeater

Wireless Repeater: 2.4G, 5.8G **2nd**

Authentication: WPA/WPA2PSK_TKIPAES

Repeater SSID: WirelessAP-2G-00 **3rd**

Key: 66666666 **5th**

Scan AP

WirelessAP-2G-00	Channel	Encryption	Choose
78:03:0D:33:4D:31	11	WPA/WPA2PSK_TKIPAES	4th
78:03:0D:33:4D:31	11	WPA/WPA2PSK_TKIPAES	
78:03:0D:33:4D:31	11	WPA/WPA2PSK_TKIPAES	
78:03:0D:33:4D:31	11	WPA/WPA2PSK_TKIPAES	
78:03:0D:33:4D:31	11	WPA/WPA2PSK_TKIPAES	

Back Next **6th**

P21 WISP Mode

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

WISP Mode

First: Repeater | **Second: WAN** **1st** | Third: Wireless | Fourth: Complete

Static IP | PPPOE(ADSL) | DHCP **2nd**

The current access mode is DHCP, Please click next to configure.

Back Next **3rd**

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** 5G wireless analyzer

SSID: WirelessAP-5G-10

Channel: * 5.765 GHz (Channel 153)

Encryption: WPA/WPA2PSK_TKIPAES

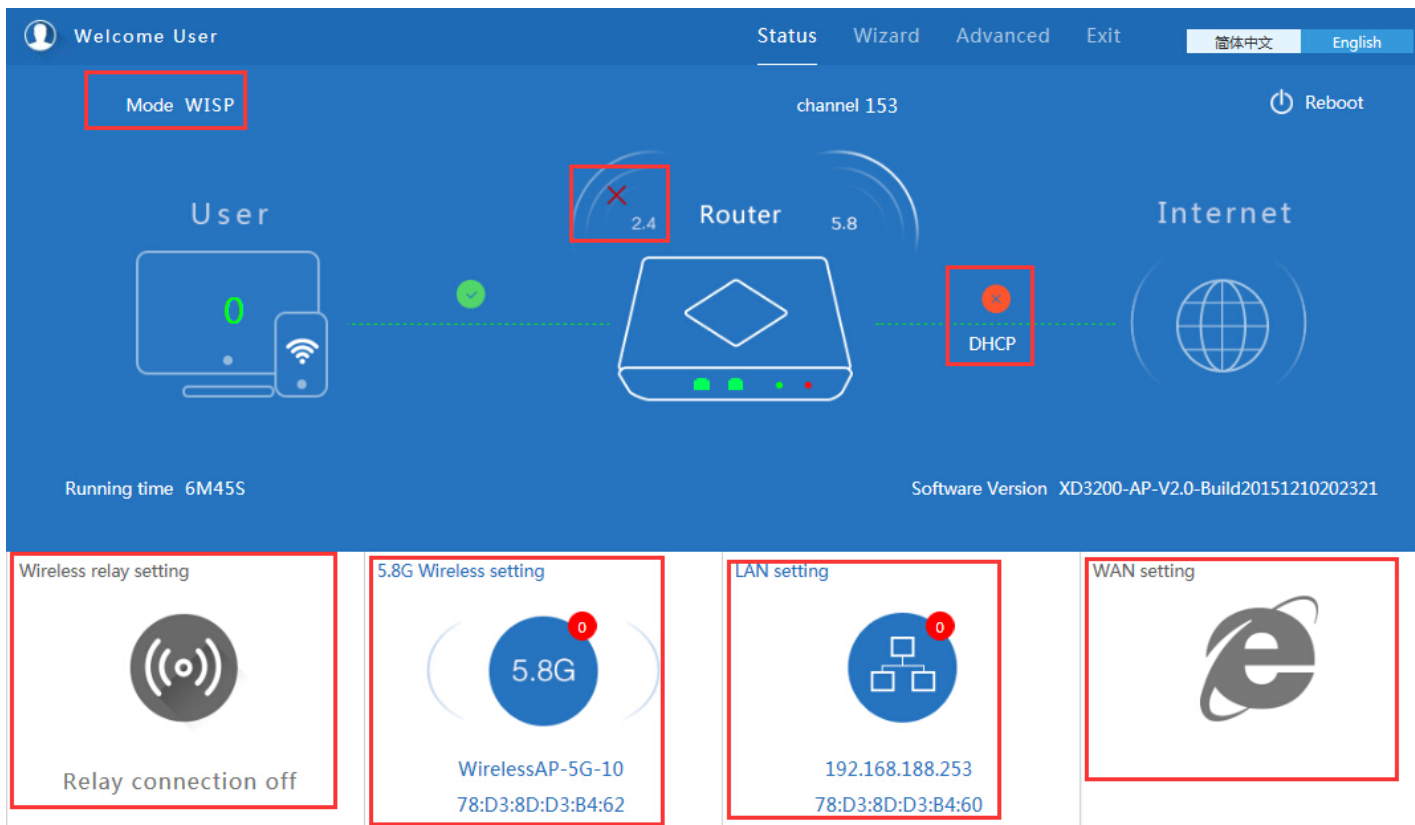
Key: 66666666

2nd

Back Next 3rd

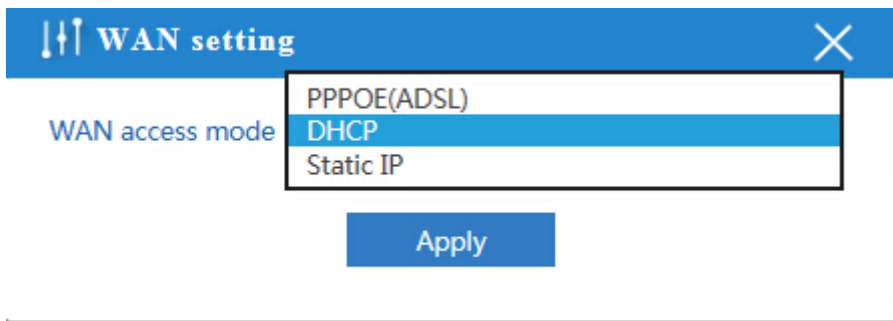
P23 Wireless Setting in WISP mode

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

ON

2G wireless analyzer

SSID

Wireless 2.4G

Channel

2.462 GHz (Channel 11)

Encryption

WPA/WPA2PSK_TKIPAES

Key

66666666

5.8G Wireless Settings

5.8GHz WLAN Status

ON

5G wireless analyzer

SSID

Wireless 5.8G

Channel

5.765 GHz (Channel 153)

Encryption

WPA/WPA2PSK_TKIPAES

Key

66666666

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

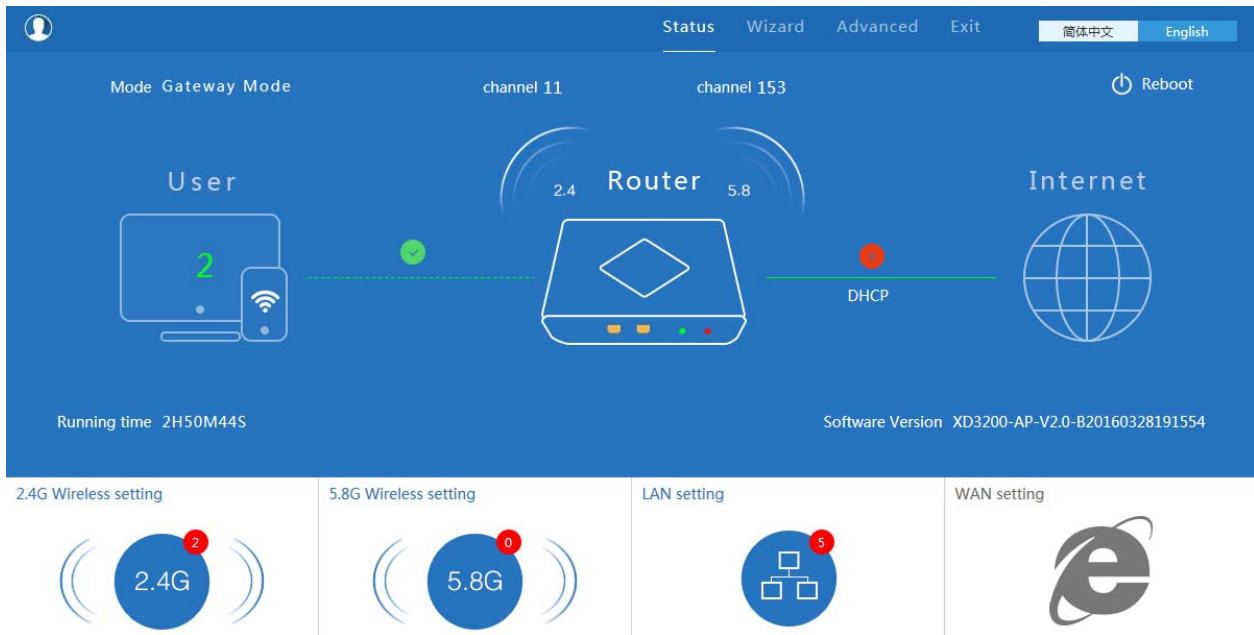
Static IP

DHCP

Back

Next

P27 LAN Setting in AP Mode



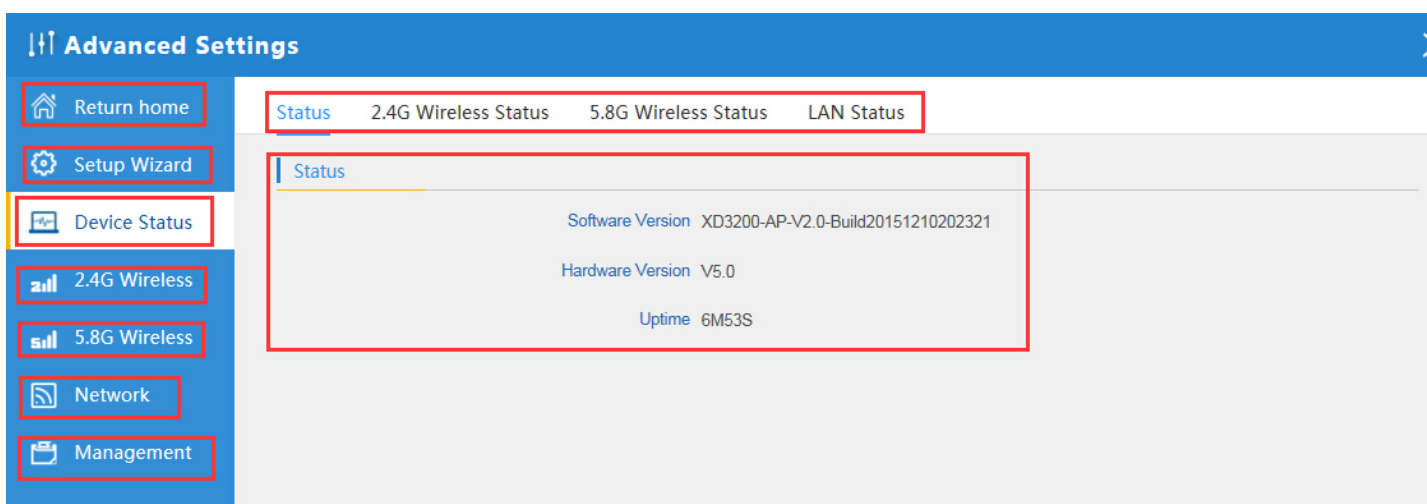
P28 Status in AP Mode

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 with a sidebar on the left containing links to 'Return home', 'Setup Wizard', 'Device Status', '2.4G Wireless', '5.8G Wireless', 'Network', 'Firewall', and 'Management'. The 'Device Status' link is highlighted. The main content area has tabs for 'Status', '2.4G Wireless Status', '5.8G Wireless Status', 'LAN Status', and 'WAN Status'. The '2.4G Wireless Status' tab is active, displaying the following information: '2.4G Wireless Status' is 'Enable', 'SSID' is 'Wireless 2.4G', 'MAC' is '78:D3:8D:DF:FD:1A', 'Channel' is '11', 'Encryption' is 'WPA/WPA2PSK_TKIPAES', and 'Connected Users' is '1'. A 'Client list' button is located next to the 'Connected Users' count.

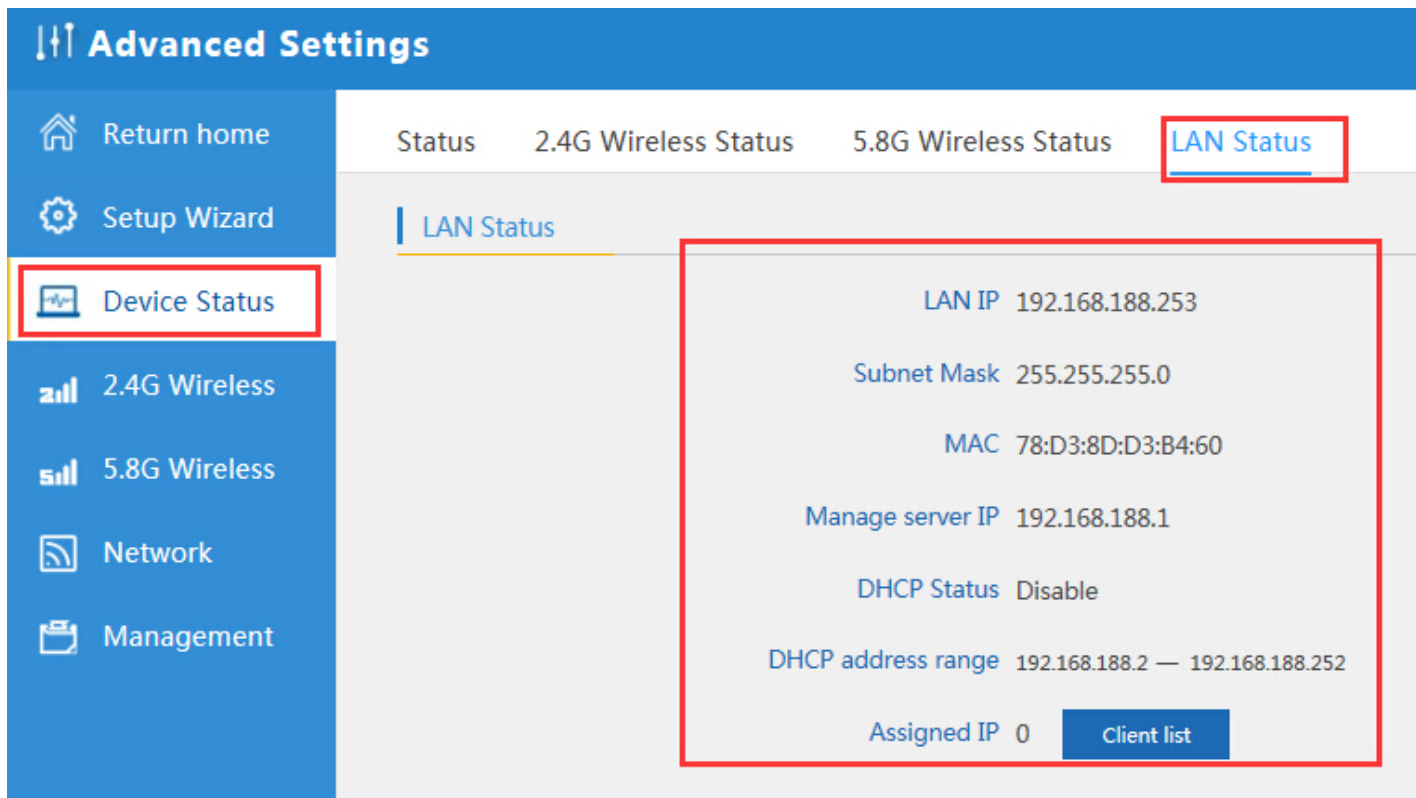
2.4G Wireless Status
Enable
SSID Wireless 2.4G
MAC 78:D3:8D:DF:FD:1A
Channel 11
Encryption WPA/WPA2PSK_TKIPAES
Connected Users 1

P30 2.4G Wireless Status

The screenshot shows the 'Advanced Settings' interface with a sidebar on the left containing links to 'Return home', 'Setup Wizard', 'Device Status', '2.4G Wireless', '5.8G Wireless', 'Network', 'Firewall', and 'Management'. The 'Device Status' link is highlighted. The main content area has tabs for 'Status', '2.4G Wireless Status', '5.8G Wireless Status', 'LAN Status', and 'WAN Status'. The '5.8G Wireless Status' tab is active, displaying the following information: '5.8G Wireless Status' is 'Enable', 'SSID' is 'WirelessAP-5G-10', 'MAC' is '78:D3:8D:D3:B4:62', 'Channel' is '153', 'Encryption' is 'WPAWPA2_TKIPAES', and 'Connected Users' is '0'. A 'Client list' button is located next to the 'Connected Users' count.

5.8G Wireless Status
Enable
SSID WirelessAP-5G-10
MAC 78:D3:8D:D3:B4:62
Channel 153
Encryption WPAWPA2_TKIPAES
Connected Users 0

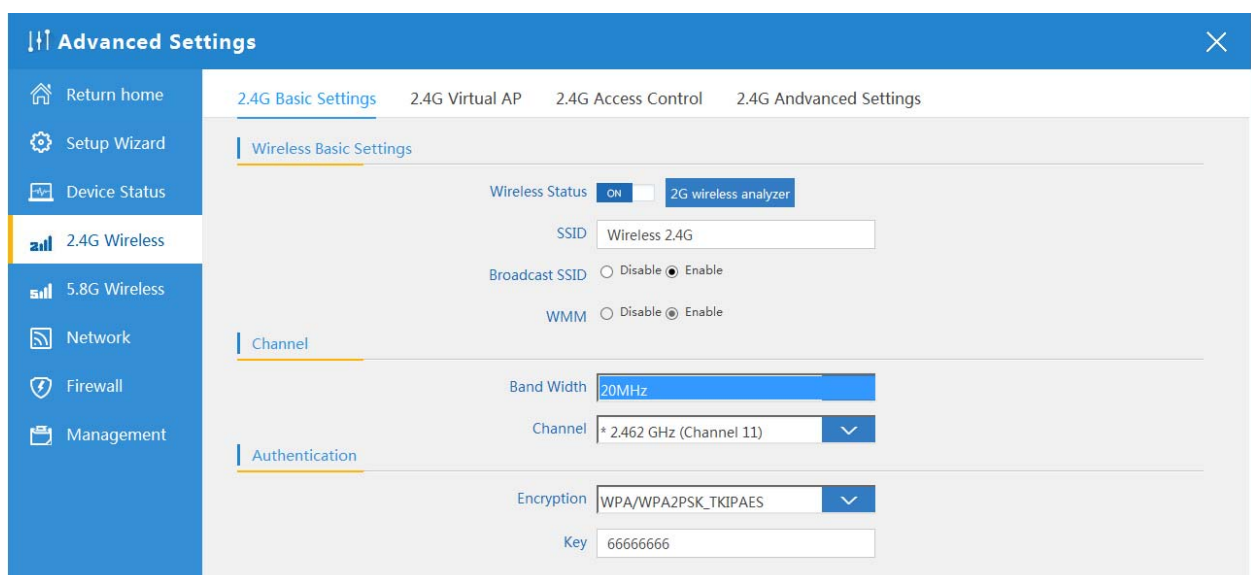
P31 5.8G Wireless Status



P32 LAN Status

2.4G Wireless Setting:

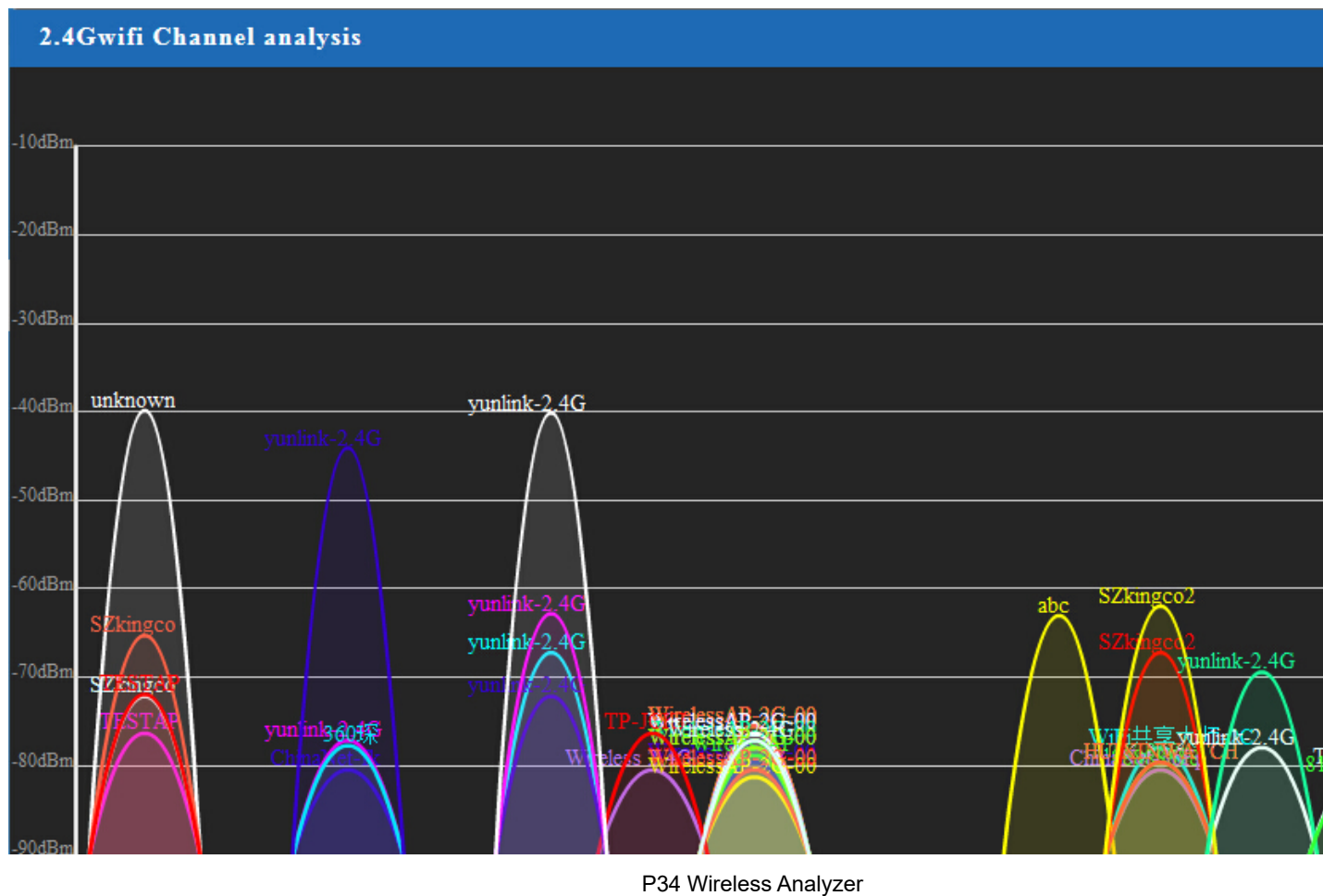
In this part, will show the 2.4G Basic Setting, Virtual AP, Access control and Advanced Setting:



P33 Basic Setting in 2.4G Wireless

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

and avoid the wifi interface.



Virtural AP:

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