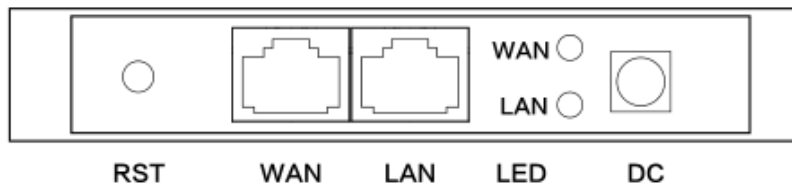


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1 Hardware and Operation mode Instruction



1.3.1 PoE Adapter Power Supply:

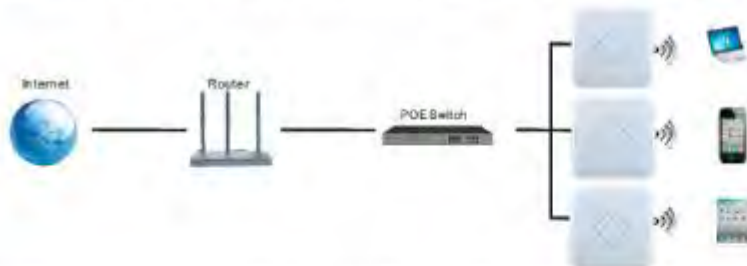


1.3.2 Powered by PoE Switch



1.3.3 Operation Mode:

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



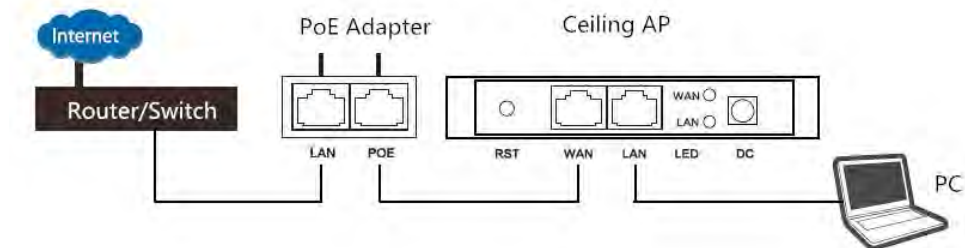
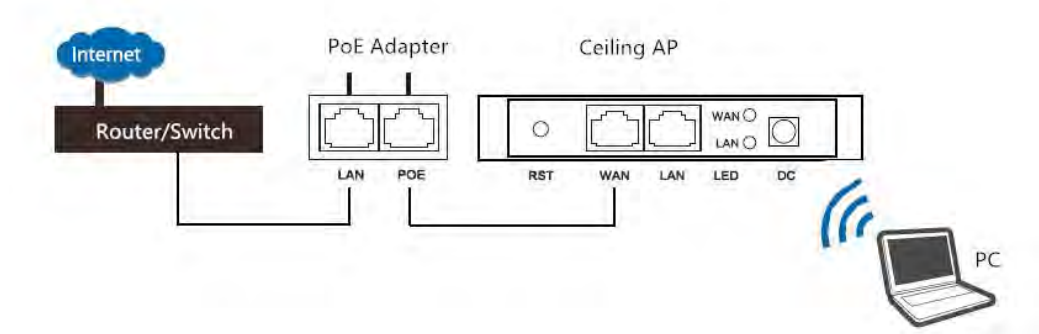
2. Wireless Repeater: Wireless receive and transmit, to extend the existing wireless networking for more range.



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



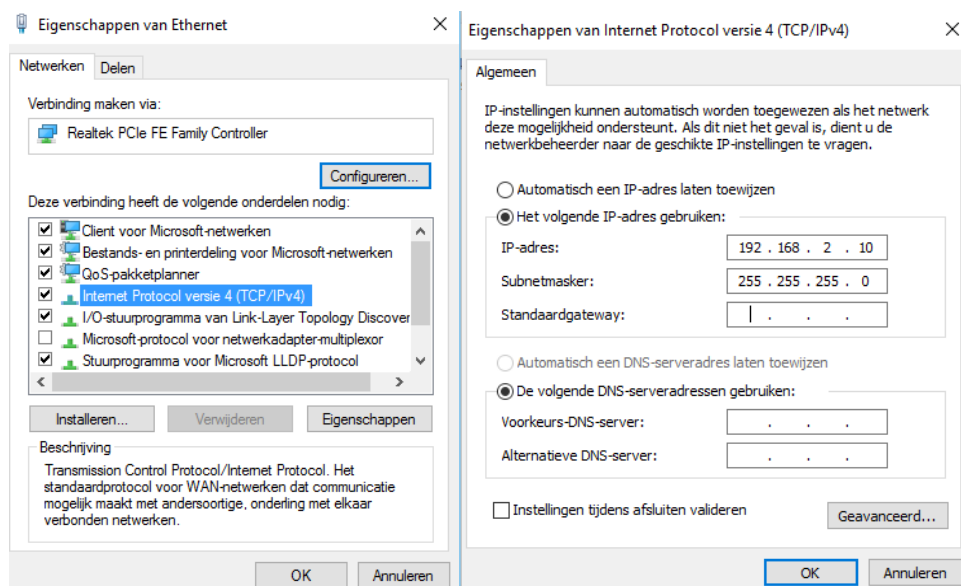
1.3.4 Connect Wireless AP with PC:



1.4.1 Default settings

)

)



HIGH PERFORMANCE INTELLIGENT WIRELESS ROUTER/AP



WEB GUI interface Setting:

The screenshot displays the Nivoo Professional WEB GUI interface. At the top, there is a navigation bar with a 'Welcome User' message, a user icon, and tabs for 'Status', 'Wizard', 'Advanced', and 'Exit'. Language options '简体中文' and 'English' are available. Below the navigation bar, the main status area shows 'Mode AP Mode', 'channel auto', 'channel 153', and a 'Reboot' button. A central diagram illustrates the network topology: a 'User' (laptop and smartphone) connected to an 'AP' (Access Point) via 2.4G and 5.8G frequencies, which is then connected to a 'Switch'. The 'Running time' is shown as '2M14S'. The 'Software Version' is 'XD3200-AP-V2.0-Build20151204174952'. Below the main status area, there are four configuration sections: '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' (represented by a location pin icon).

Welcome User

Status Wizard Advanced Exit

Mode AP Mode

channel auto channel 153

Reboot

User

2.4 AP 5.8

Switch

Running time 2M14S

Software Version XD3200-AP-V2.0-Build20151204174952

2.4G Wireless setting

5.8G Wireless setting

LAN setting

AP position setting

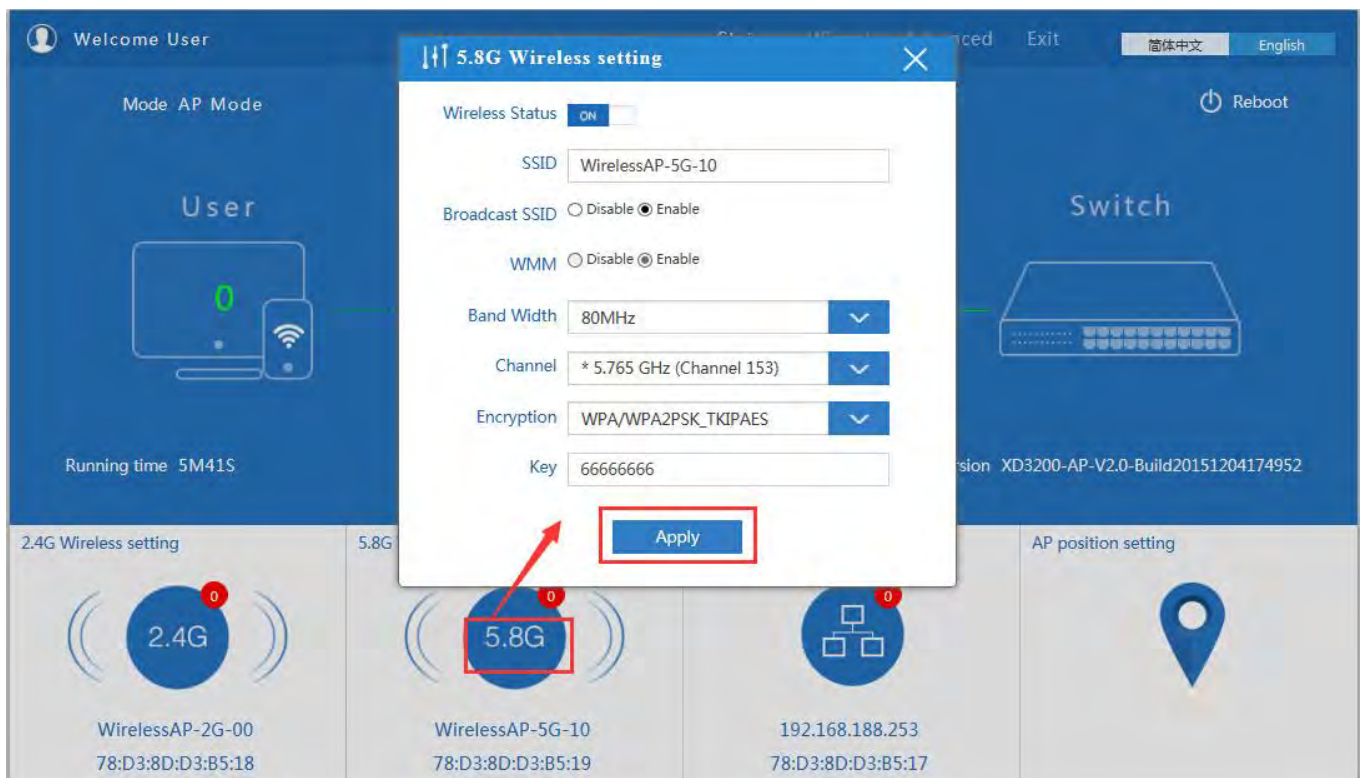
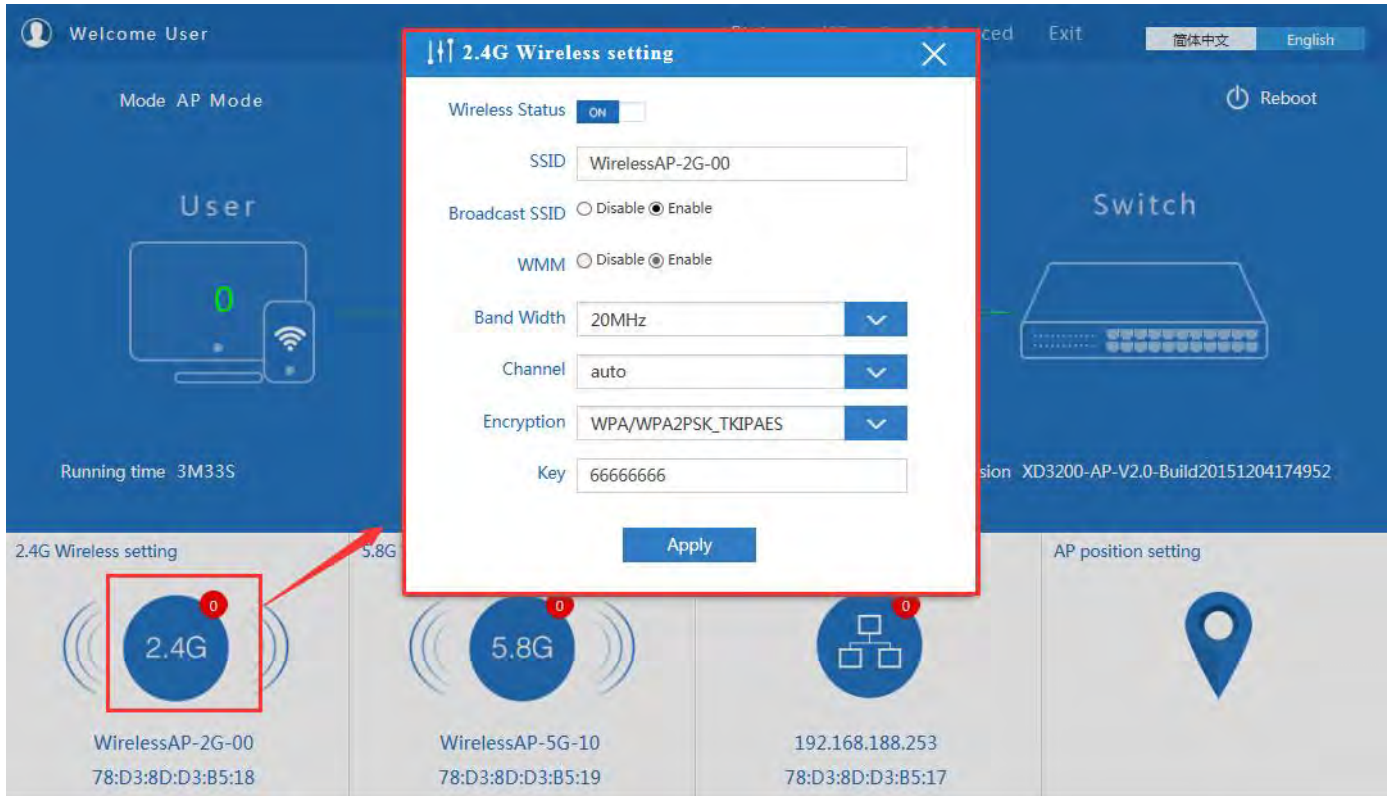
2.4G

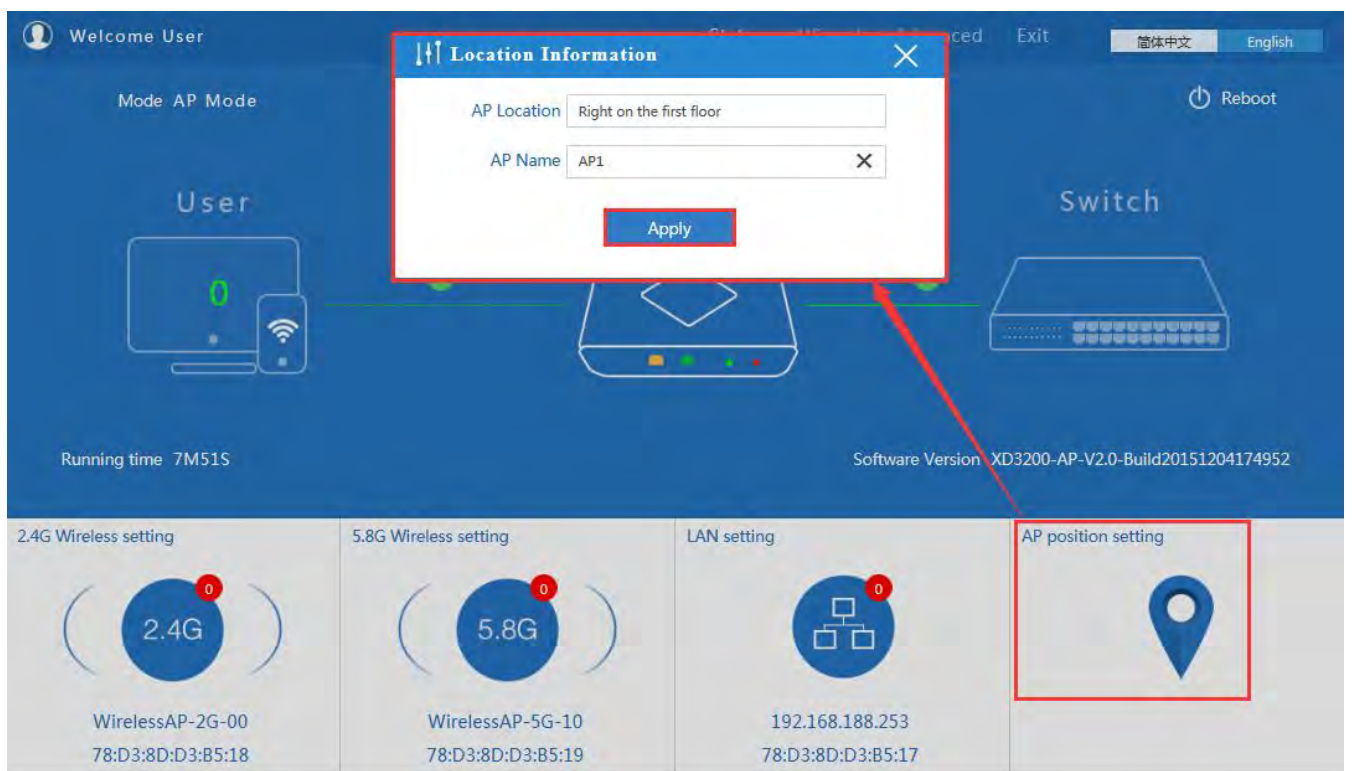
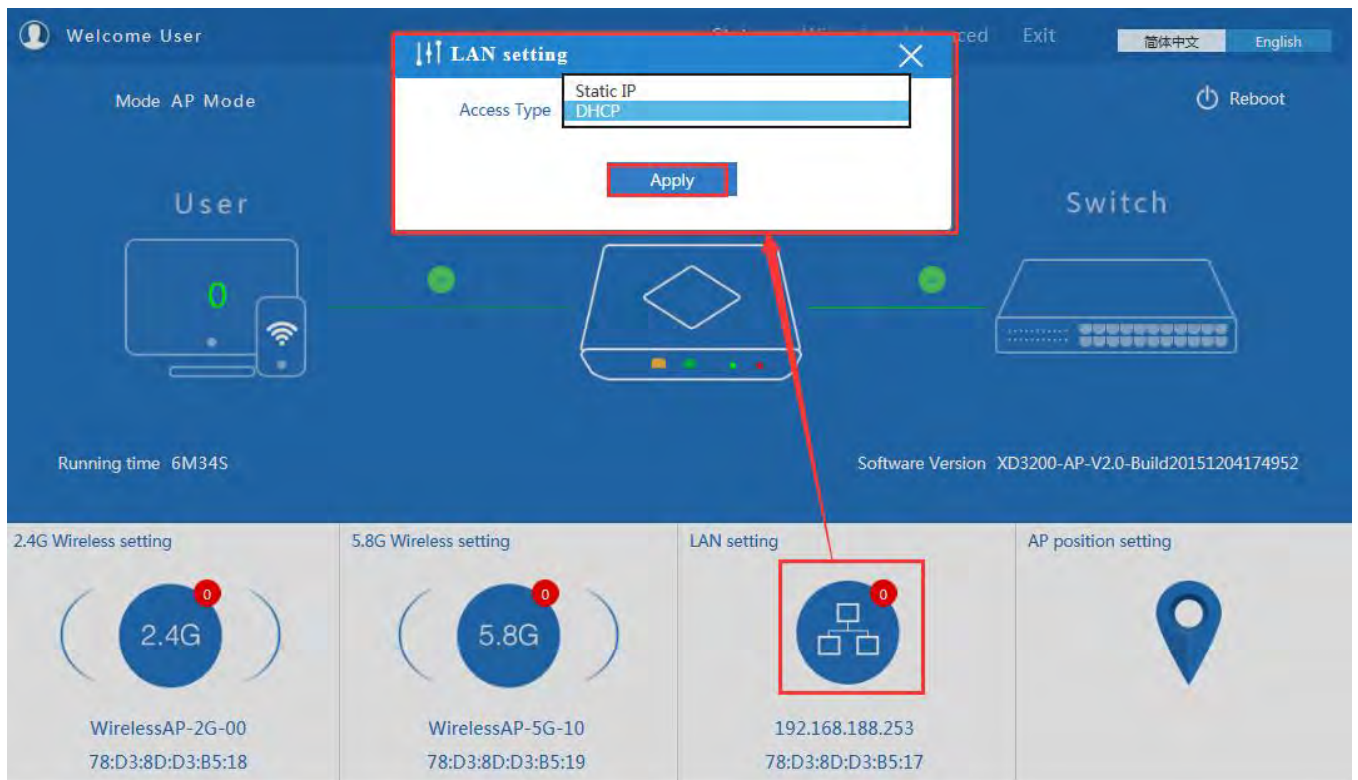
WirelessAP-2G-00
78:D3:8D:D3:B5:18

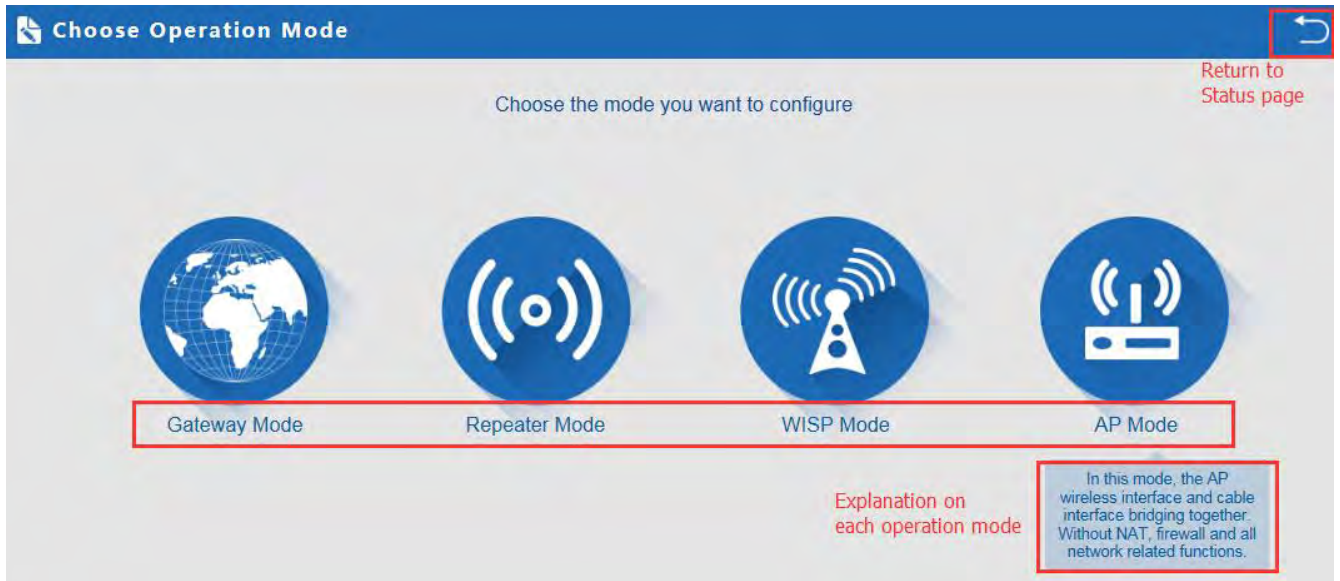
5.8G

WirelessAP-5G-10
78:D3:8D:D3:B5:19

192.168.188.253
78:D3:8D:D3:B5:17







2.2.1 Gateway Mode:

Gateway Mode

First: WAN Settings

Second: Wireless

Third: Complete

1st

Static IP

PPPOE(ADSL)

DHCP

2nd

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

Back

Next

3rd

Gateway Mode

First: WAN Settings

Second: Wireless

Third: Complete

Wireless Settings 2.4G/5.8G

2.4G Wireless Settings

1st

2.4GHz WLAN Status ☒ ON ☐ OFF 2G wireless analyzer

SSID

Channel

Encryption

Key

5.8G Wireless Settings

2nd

5.8GHz WLAN Status ☒ ON ☐ OFF 5G wireless analyzer

SSID

Channel

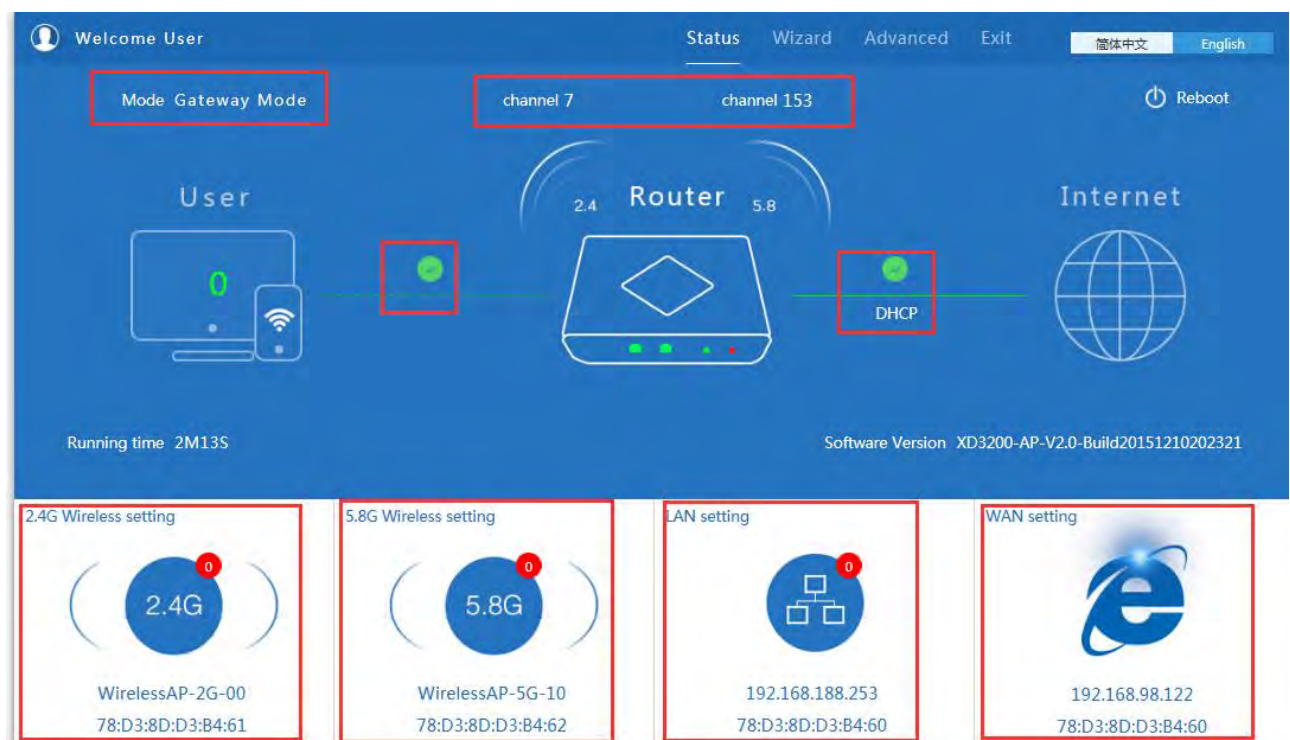
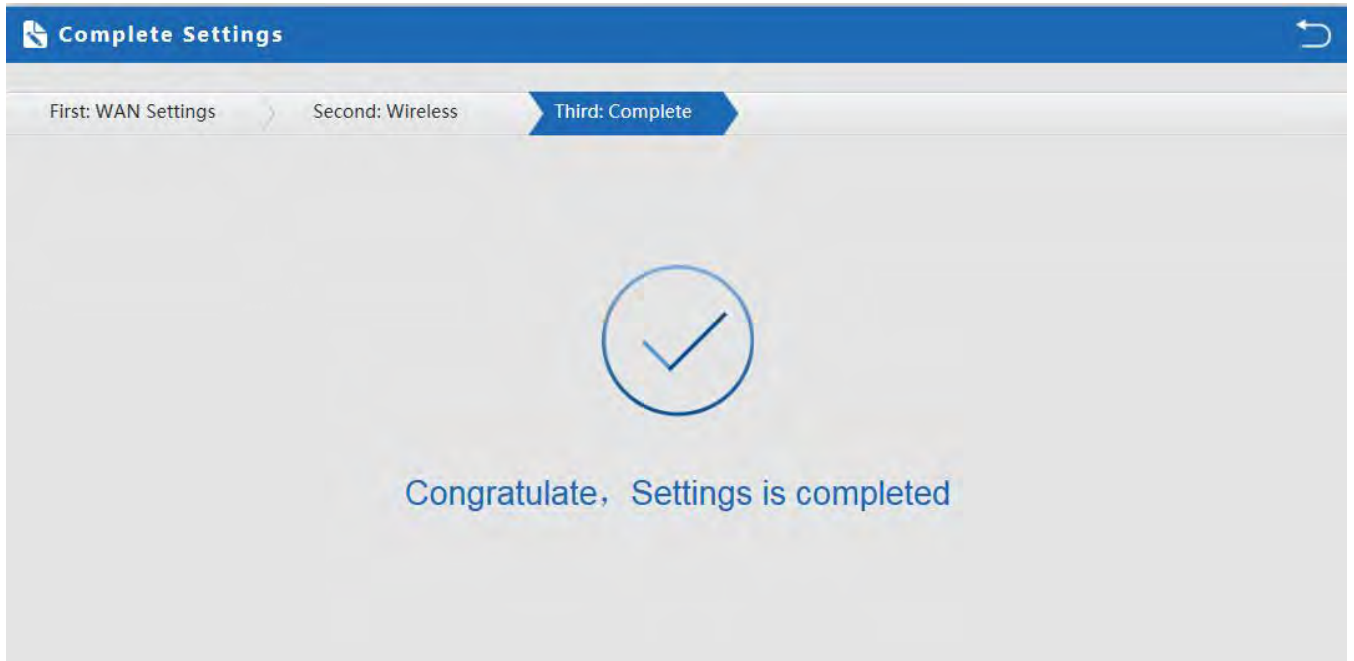
Encryption

Key

Back

Next

3rd



2.2.2 WiFi Repeater mode

Repeater Mode

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

Wireless Repeater

Wireless Repeater: 2.4G

Authentication: none

Repeater SSID:

Scan AP

2nd

3rd

Back Next 4th

WirelessAP-2G-00	78:D3:8D:D3:84:D3	Channel: 1	Choice
RSS: -94 dBm	Encryption: WPA/WPA2PSK_TKIPAES		
WirelessAP-2G-00	78:D3:8D:D3:84:A6	Channel: 1	Choice
RSS: -85 dBm	Encryption: WPA/WPA2PSK_TKIPAES		
WirelessAP-2G-00	78:D3:8D:D3:84:EE	Channel: 1	Choice
RSS: -32 dBm	Encryption: WPA/WPA2PSK_TKIPAES		

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

Welcome User

Status Wizard Advanced Exit

Mode Repeater Mode channel 153 Reboot

User CPE AP

Running time 2M54S Software Version XD3200-AP-V2.0-Build20151210202321

2.4G Wireless setting

2.4G WLAN off

5.8G Wireless setting

WirelessAP-5G-10
78:D3:8D:D3:B4:62

LAN setting

192.168.188.253
78:D3:8D:D3:B4:60

Wireless relay setting

Relay connection off

Repeater Mode

First: Repeater Second: Wireless Third: Complete

Wireless Repeater

Wireless Repeater 2.4G Repeater SSID Scan AP

Authentication none

Back Next

WISP Mode

First: Repeater

Second: WAN

Third: Wireless

Fourth: Complete

1st

Wireless Repeater

2.4G
5.8G

AuthenticationWPA/WPA2PSK_TKIPAES

2nd

Repeater SSIDWirelessAP-2G-00

3rd

Scan AP

Key66666666

5th

Scan AP

WirelessAP-2G-00

78D38D03B4D3Channel: 7

RSS:-84 dBmEncryption: WPA/WPA2PSK_TKIPAES

Choice

WirelessAP-2G-00

78D38D03B4A6Channel: 7

RSS:-83 dBmEncryption: WPA/WPA2PSK_TKIPAES

Choice

WirelessAP-2G-00

78D38D03B4CEChannel: 7

RSS:-82 dBmEncryption: WPA/WPA2PSK_TKIPAES

Choice

WirelessAP-2G-00

Refresh

Back

Next

6th

WISP Mode

First: Repeater

Second: WAN

Third: Wireless

Fourth: Complete

Static IP

PPPOE(ADSL)

DHCP

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

Back

Next

WISP Mode

First: Repeater

Second: WAN

Third: Wireless

Fourth: 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

Welcome User

Mode WISP

channel 153

Reboot

User Router Internet

Running time 6M45S

Software Version XD3200-AP-V2.0-Build20151210202321

Wireless relay setting

Relay connection off

5.8G Wireless setting

WirelessAP-5G-10
78:D3:8D:D3:B4:62

LAN setting

192.168.188.253
78:D3:8D:D3:B4:60

WAN setting

WAN setting

WAN access mode

PPPOE(ADSL)
DHCP
Static IP

Apply

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 * 2.442 GHz (Channel 7)
Encryption WPA/WPA2PSK_TKIPAES
Key

5.8G Wireless Settings
5.8GHz WLAN Status ☒ **5G wireless analyzer**
SSID
Channel * 5.765 GHz (Channel 153)
Encryption WPA/WPA2PSK_TKIPAES
Key

Location Information
AP Location
AP Name

AP Mode

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

LAN setting

Access Type
DHCP

 Welcome User

StatusWizardAdvancedExit

简体中文English

Mode AP Mode

channel 7channel 153

Reboot



Running time 2M20S

Software Version XD3200-AP-V2.0-Build20151210202321

2.4G Wireless setting



WirelessAP-2G-00
78:D3:8D:D3:B4:61

5.8G Wireless setting



WirelessAP-5G-10
78:D3:8D:D3:B4:62

LAN setting



192.168.188.253
78:D3:8D:D3:B4:60

AP position setting



Advanced Settings

Return home

Setup Wizard

Device Status

2.4G Wireless

5.8G Wireless

Network

Management

Status2.4G Wireless Status5.8G Wireless StatusLAN Status

Status

Software Version XD3200-AP-V2.0-Build20151210202321

Hardware Version V5.0

Uptime 6M53S

Advanced Settings

Return home

Setup Wizard

Device Status

2.4G Wireless

5.8G Wireless

Network

Management

Status2.4G Wireless Status5.8G Wireless StatusLAN Status

2.4G Wireless Status

2.4G Wireless Status Enable

SSID WirelessAP-2G-00

MAC 78:D3:8D:D3:B4:61

Channel 7

Encryption WPAWPA2_TKIPAES

Connected Users 0

Client list

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

5.8G Wireless Status

5.8G Wireless Status Enable

SSID WirelessAP-5G-10

MAC 78:D3:8D:D3:B4:62

Channel 153

Encryption WPAWPA2_TKIPAES

Connected Users 0 [Client list](#)

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](#)

2.5.1 Turn off LEDs

Please see below how to turn off LED lights in Accesspoint

192.168.188.253/adv_wireless2_set.html

Advanced Settings

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

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

2.4G Advanced Settings

Regional: China Channel: (1-13)

MODE: 802.11N/G

RF Output Power: 25%

Packet Threshold: 2346 (256-2346)

RTS Threshold: 2347 (0-2347)

Ack Timeout control: 64 (0-255)us

Beacon interval: 100 (100-1000)ms

MAX User: 64 (Range 0-64 0 not limited)

Coverage Threshold: -90 (-55dBm~-90dBm)

Aggregation: ☒ ON Short GI: ☒ ON User isolation: ☐ OFF **LED lamp: ☒ ON**

2.5.2 2.4G Wireless Setting:

Advanced Settings

- Return home
- Setup Wizard
- Device Status
- 2.4G Wireless**
- 5.8G Wireless
- Network
- 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: WirelessAP-2G-00

Broadcast SSID: ☐ Disable ☒ Enable

WMM: ☐ Disable ☒ Enable

Channel

Band Width: 20MHz

Channel: * 2.442 GHz (Channel 7)

Authentication

Encryption: WPA/WPA2PSK_TKIPAES

Key: 66666666

Apply



2.5.3 Virtual AP:

Advanced Settings

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

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

2.4G Virtual AP

Virtual VAP1	Virtual VAP2	Virtual VAP3
Wireless Status ☒ OFF SSID WirelessAP-2G-01 Broadcast SSID ☐ Disable ☒ Enable WMM ☐ Disable ☒ Enable Encryption none v		

2.5.4 2.4G Access Control:

Advanced Settings

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

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

Wireless Access Control

Access Control
Allow Listed
Deny Listed

2.5.5 2.4G Advanced Settings:

Advanced Settings

Return home

Setup Wizard

Device Status

2.4G Wireless

5.8G Wireless

Network

Management

2.4G Basic Settings

2.4G Virtual AP

2.4G Access Control

2.4G Advanced Settings

2.4G Advanced Settings

Regional

China

▼

Channel(1-13)

MODE

802.11B/G

▼

RF Output Power

100%

▼

Packet Threshold

2346

(256-2346)

RTS Threshold

2346

(256-2346)

Ack Timeout control

64

(0-255)us

Beacon interval

100

(100-1000)ms

MAX User

64

(Range 0-64 0 not limited)

Coverage Threshold

-90

(-65dBm~-90dBm)

Aggregation

ON

Short GI

ON

User isolation

OFF

Apply

2.5.6 5.8G Wireless Setting:

Advanced Settings

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

5.8G Basic Settings5.8G Virtual AP5.8G Access Control5.8G Advanced Settings

Wireless Basic Settings

Wireless Status

ON

5G wireless analyzer

SSID

WirelessAP-5G-10

Broadcast SSID

☐ Disable

☒ Enable

WMM

☐ Disable

☒ Enable

Channel

Band Width

80MHz

Channel

* 5.765 GHz (Channel 153)

Encryption

Encryption

WPA/WPA2PSK_TKIPAES

Key

66666666

Apply

2.5.7 Network setting:

1+1

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

VLAN

LAN Settings

Static IP

DHCP

Apply

141

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

VLAN

VLAN

[illegible]

Apply

Advanced Settings

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

[System Time](#) [Logs](#) [Upgrade Firmware](#) [System](#) [User](#)

System Time

System Time 2015-10-30 11:16:34 [Sync with host](#)

Choose Time Zone [v](#)

NTP Server [v](#)

Equipment timing ☐ Auto restart [v](#)

[Apply](#)

Advanced Settings

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

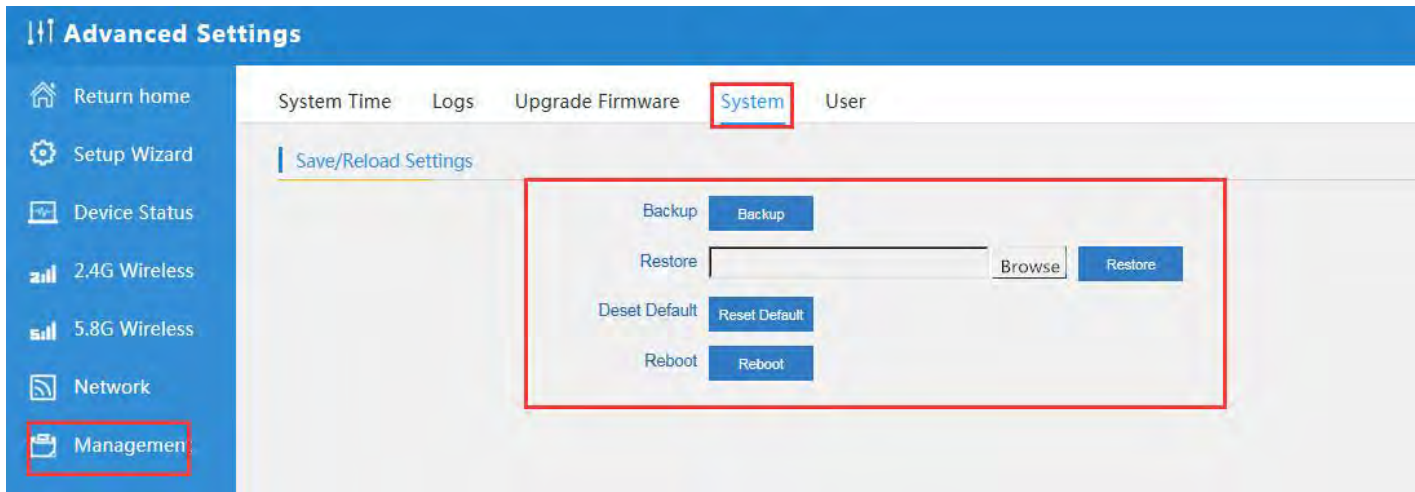
[System Time](#) [Logs](#) [Upgrade Firmware](#) [System](#) [User](#)

Upgrade Firmware

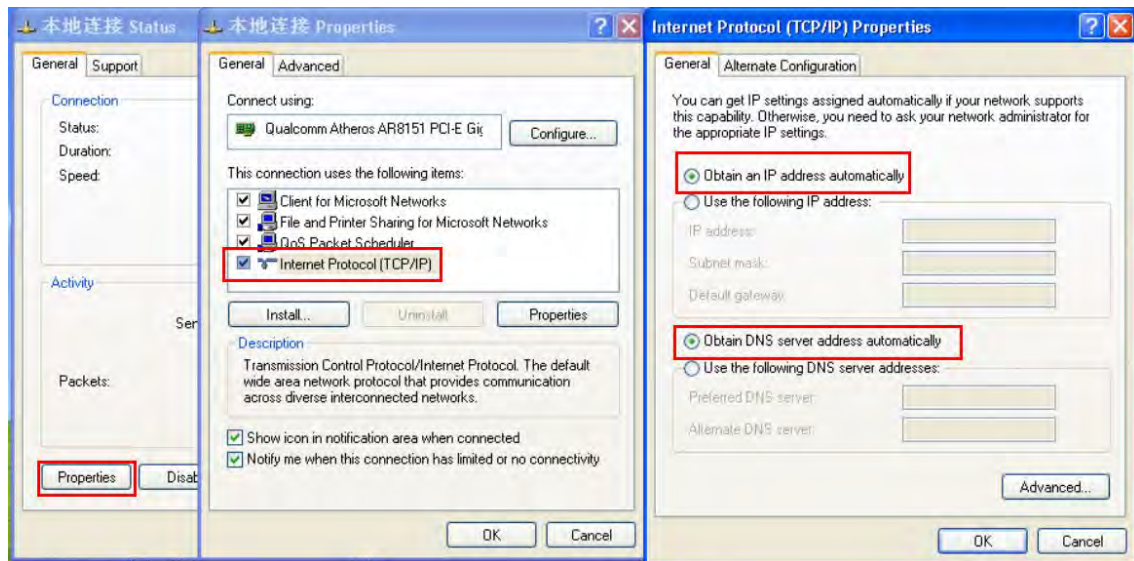
Software Version XD3200-AP-V2.0-Build20151210202321

Choose File [Browse](#) [Upgrade](#)

Note  do not power off the device during the upload because it may crash the system!



3 Share Internet and Obtain IP address automatically



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