



AP58V2 User Manual



This is the manual of outdoor CPE, which will approximate guide you how to set and apply the outdoor CPE, 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 CPE.

1st Connection and Power Supply

1st : Port Connection and power supply

Instruction of different port :



P1 CPE Port Connection

- 1) Please use a power supply of 12V DC adapter or 24V POE adapter, WAN / LAN port is the PoE Port.

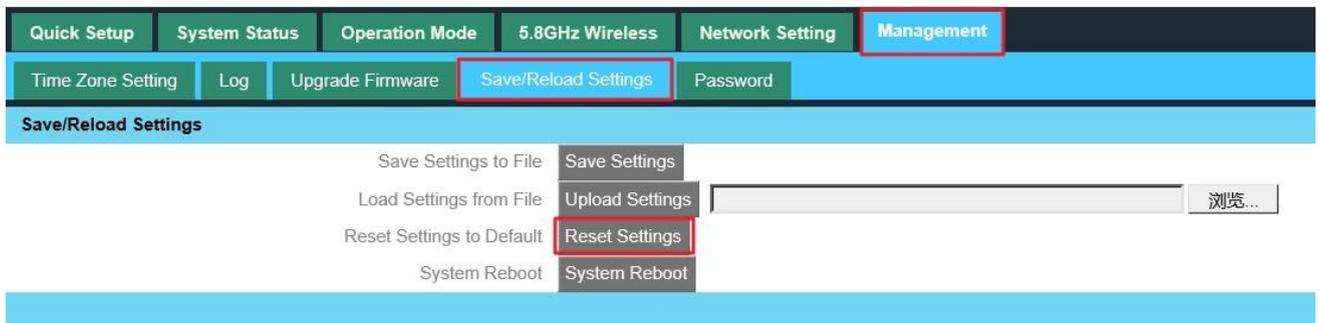


Pls make sure the CPE's power supply is normal in reset process, or the CPE will be damaged and can't reboot

- 2) Reset:

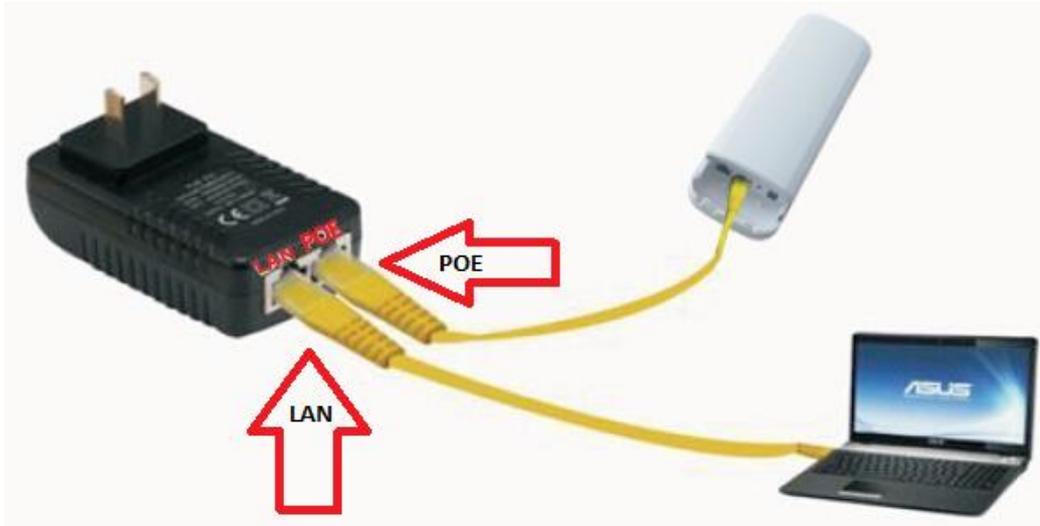
There are two ways to reset the CPE:

- a).CPE Manage page: Click "Management", then "Save/Reload Settings", then click"Reset Settings"to finish the CPE Reset



- b) Press the Reset Button on CPE more than 15 seconds, then release, the device will reboot and restore to factory settings

- 3) The connection way of CPE, PoE Adapter and PC:



P2 Connection diagram of CPE and PoE adapter



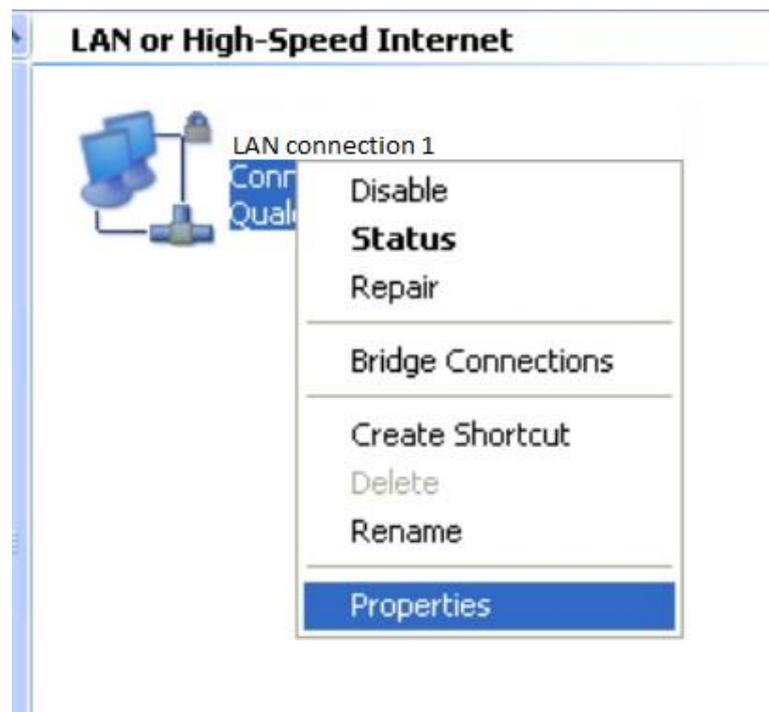
Pay Attention

Incorrect Connection or the use power adapter and PoE adapter not from our factory, the CPE will be damaged

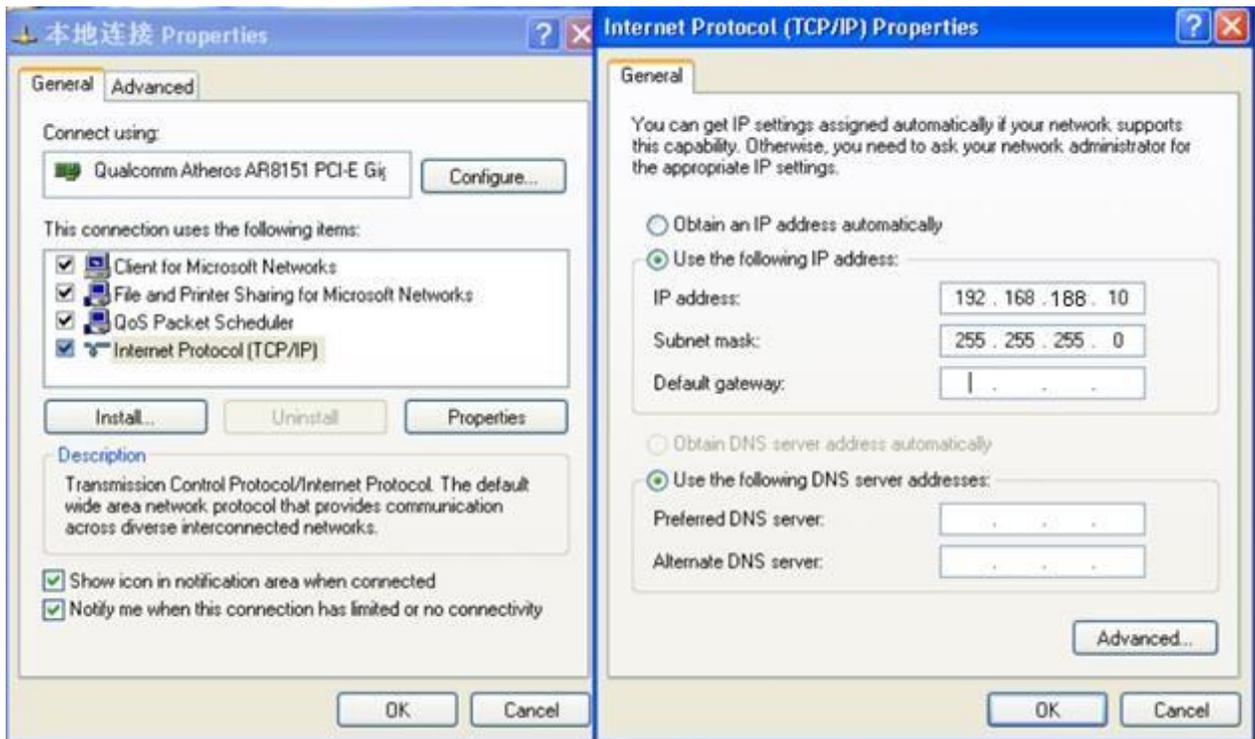
2nd Steps : Login

1) Connect the CPE with computer as P2 picture

2) Configure the PC's local connection IP address as 192.168.188.X (X is number from 2 to 252), subnet mask is 255.255.255.0, follow P3 and P4 to finish.



P3 Setting of computer's IP address



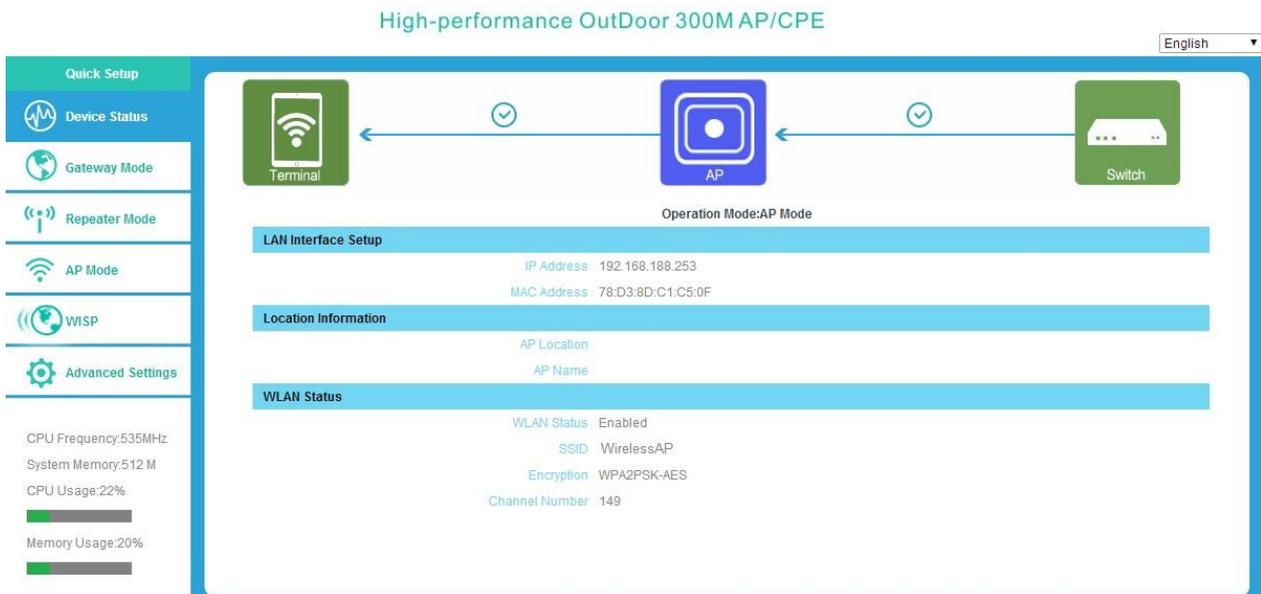
P 4 Setting of computer's IP address

3) Input <http://192.168.188.253> into IE browser, then pop up the login page, the default login **user name: admin**, **Passwords: admin**, pls do following P5



P5 Login

4) After login, then P6 will be showed:

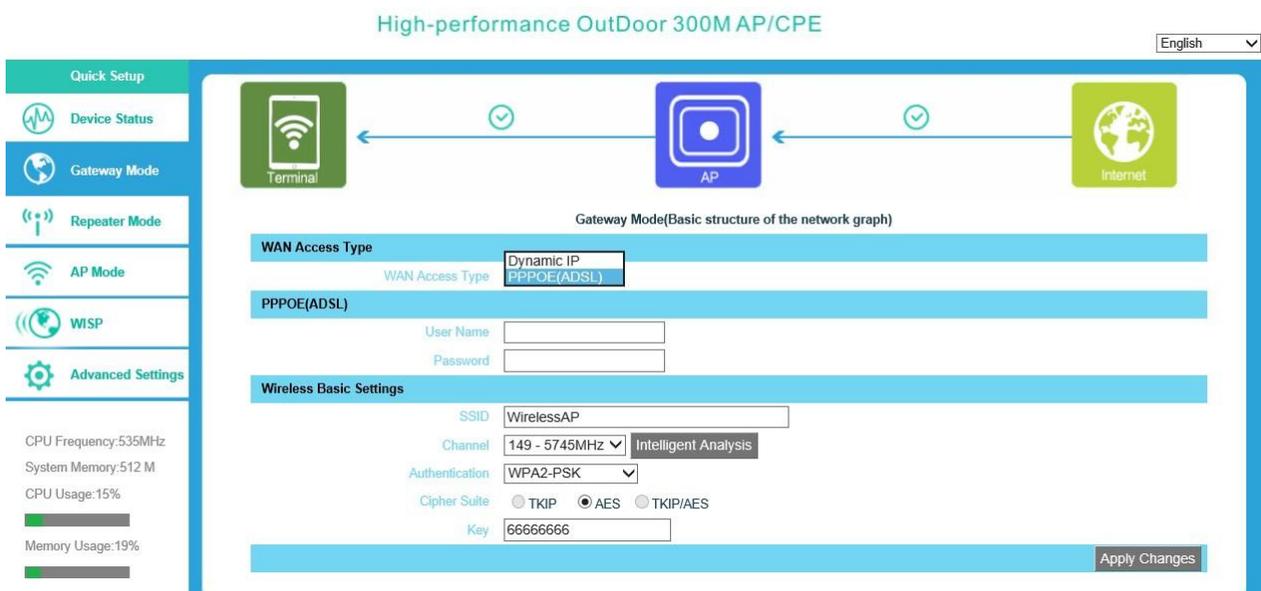


P6: Device Status

3rd : Quickly Configure CPE

1) Gateway Mode configuration

A. Login the Web management page, click “Gateway Mode”, then you can start configure “Gateway Mode”



P7 Gateway Mode

WAN Access Type: Dynamic IP or PPPOE(ADSL)

a).Dynamic IP:

①. If your access type is Dynamic IP, then you can get the IP address from the ISP. It means you only need connect the ISP line with internet to the router’s WAN port, needn’t configure.

②. Wireless Basic Settings

SSID:Wireless LAN status authentication name ,User can access the wireless networking through status authentication name only.

Channel:Choose a channel which few users use, it is clear and better. Can use Intelligent Analysis to choose the best channel.

Key: Wi-Fi password, default password is :66666666

b).PPPOE(ADSL)

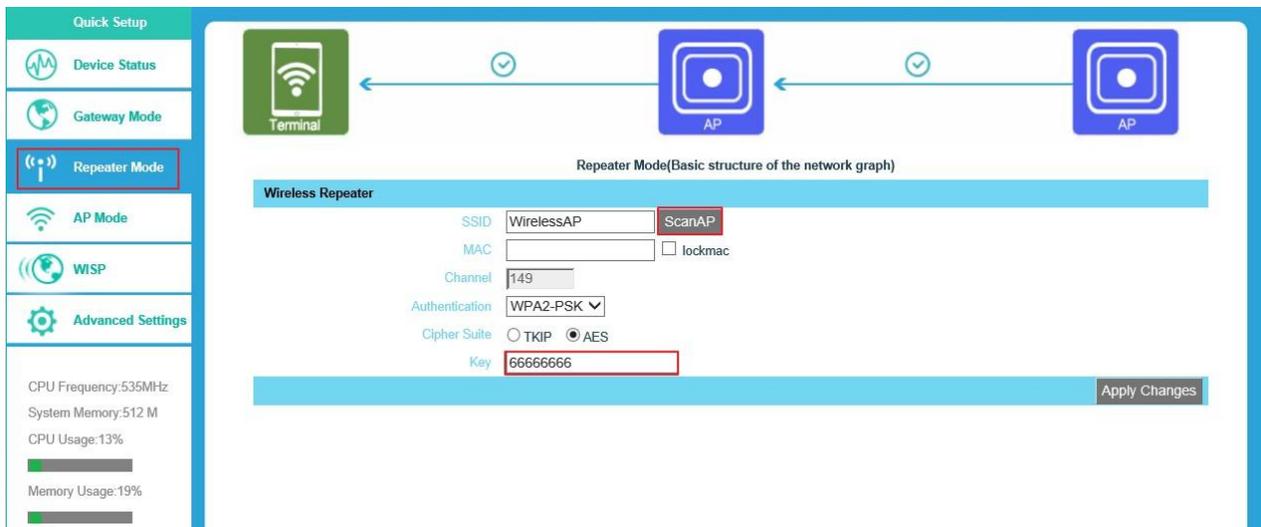
If your access type is PPPoE, with ADSL virtual dialing, you need to fill in following details:

User Name: Fill in ADSL access user name which supply by ISP, if you not sure can check with ISP.

Password: Fill in ADSL access password which supply by ISP, if you not sure can check with ISP.

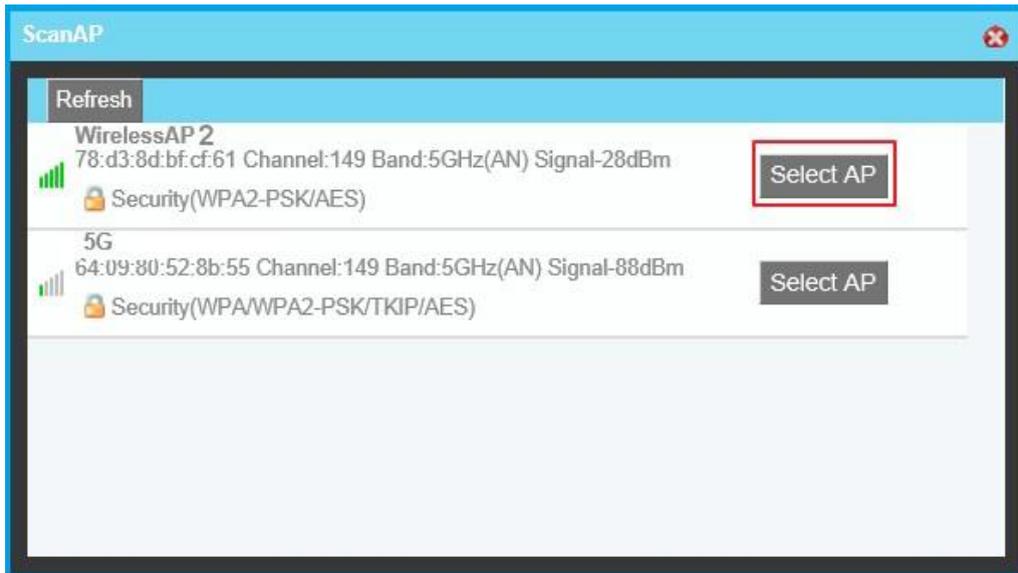
2) Repeater Mode configuration

A. Login the Web management page, click “Repeater Mode”, then “Scan AP”



P8 CPE Station Mode configuration

B. Click “Scan AP”, pop up the picture of P9, Take WirelessAP 2 as example, choose wirelessAP 2 and click “Select AP” after “Refresh”

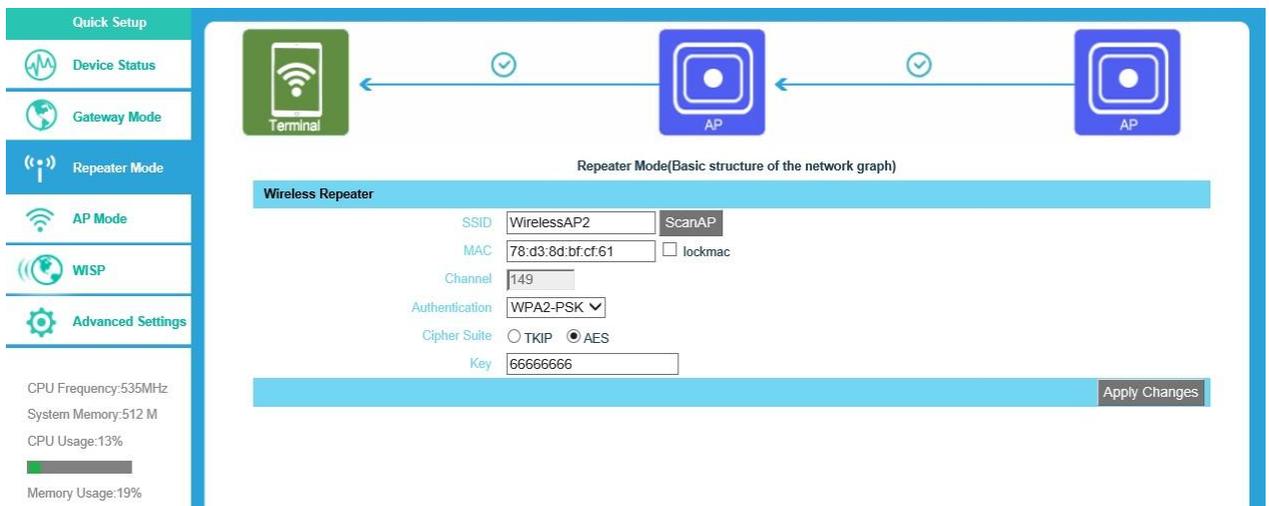


P9: Scan AP and Select AP



If your computer can't pop up the window of P9, pls check your IE explorer and find out whether it was blocked. And if this CPE can't scan any SSID, pls check if there are 5G wireless signal.

C. Input the AP's password in P10



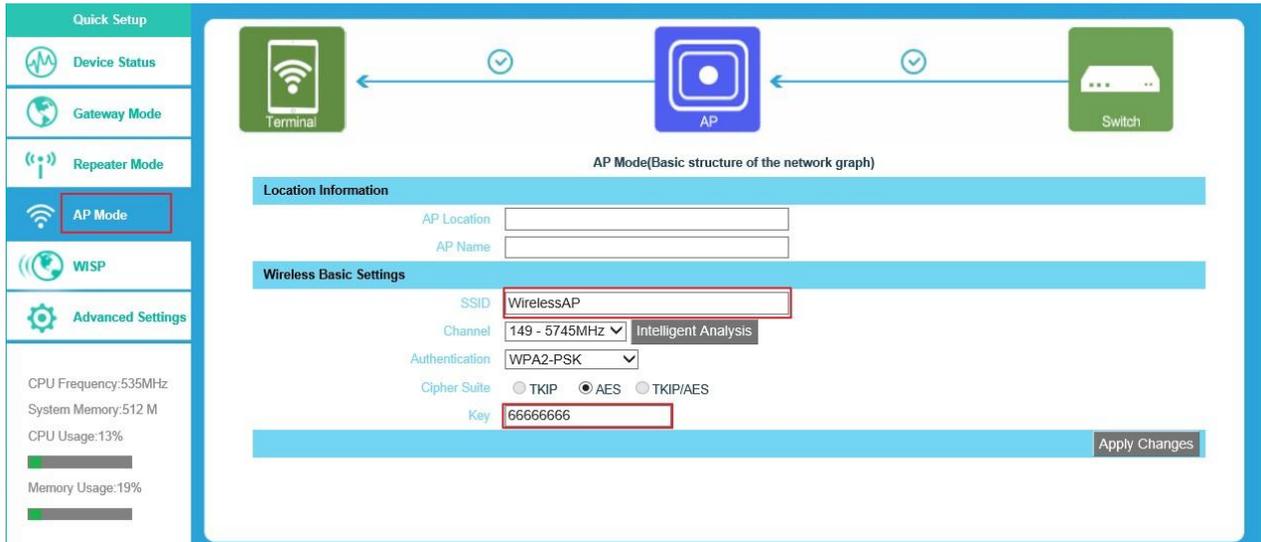
P10: Password

D. Click "Apply Changes", the system will reboot again

3) AP Mode Configuration:

Choose "AP mode", outdoor CPE can work as a wireless access point in AP operation mode:

Set the SSID user required, then set it in right Authentication and input Key for outdoor CPE, then Apply Changes.



P11AP Operation Mode

SSID: Wireless LAN status authentication name ,User can access the wireless networking through status authentication name only.

Channel: Choose a channel which few users use, it is clear and better. Can use Intelligent Analysis to choose the best channel.

Key: Wi-Fi password, default password is :66666666

4) WISP Mode

Click “WISP” mode, outdoor CPE will work with WISP mode



P12 WISP Mode

WAN Access Type: Dynamic IP or PPPOE(ADSL),choose the right way.

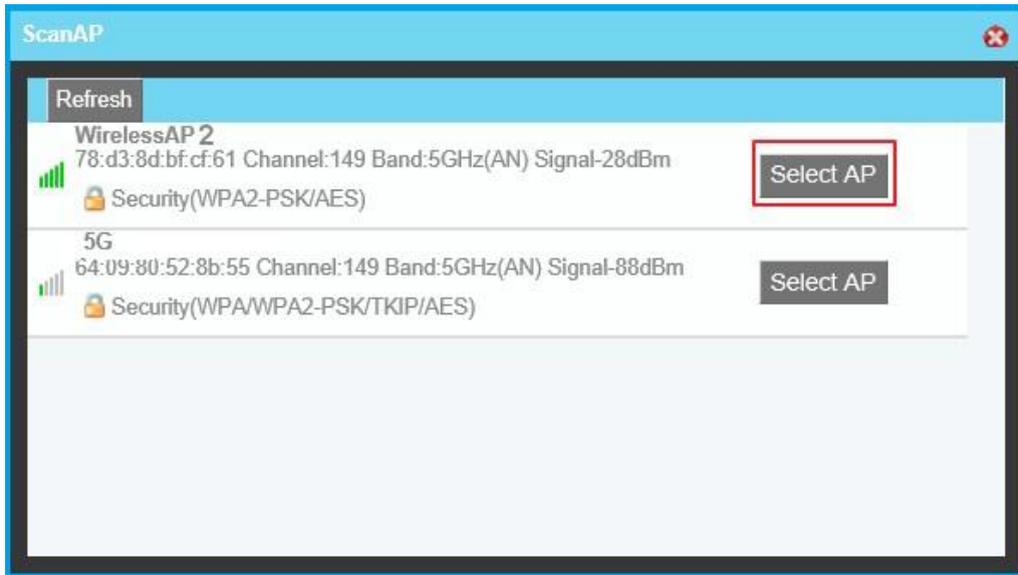
a).Dynamic IP:

①. If your access type is Dynamic IP, then you can get the IP address from the ISP. It means you only need connect the ISP line with internet to the router’s WAN port, needn’t configure.

②. WISP

Then "Scan AP", choose the AP which do you want to link and select it

Take WirelessAP 2 as example, choose wirelessAP 2 and click "Select AP" after "Refresh"



P13 Scan AP

Key: Input WirelessAP 2's password

b).PPPOE(ADSL)

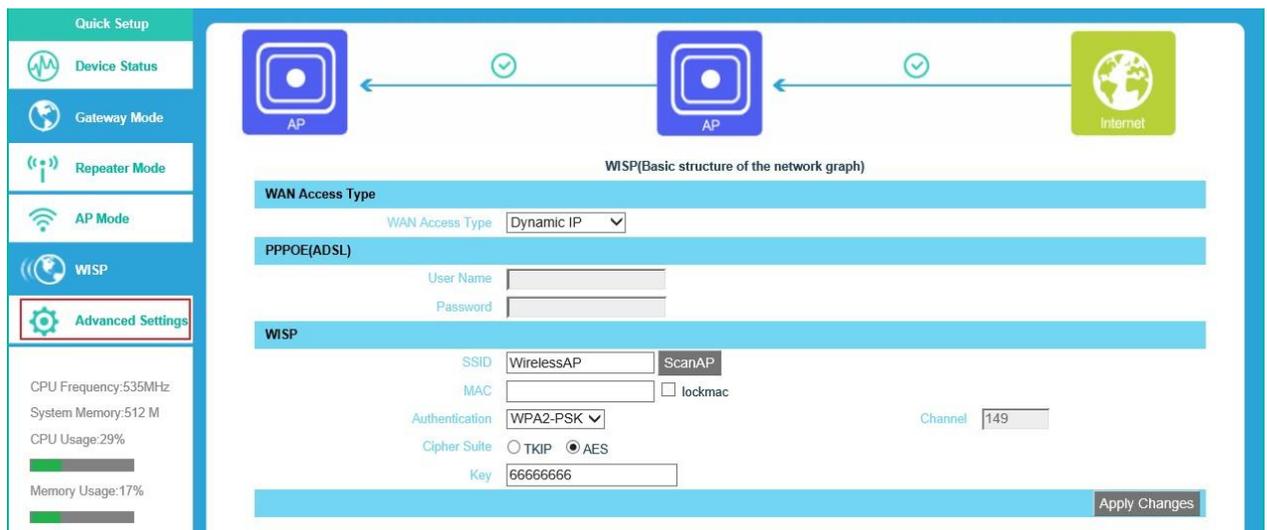
If your access type is PPPoE, with ADSL virtual dialing, you need to fill in following details:

User Name: Fill in ADSL access user name which supply by ISP, if you not sure can check with ISP.

Password: Fill in ADSL access password which supply by ISP, if you not sure can check with ISP.

5) LAN Setting

Click "Advanced Setting", can check as p14



P14 Advanced Settings

Click "Network Settings" → "LAN Interface, P15 will be showed

IP address: it is CPE's management address. =

DHCP Server, "Enabled", the default DHCP server is Enabled, no need to change.

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall Management

LAN Interface WAN Interface English

LAN Interface Setup

IP Address 192 . 168 . 188 . 253
Subnet Mask 255 . 255 . 255 . 0

DHCP Server Setting

DHCP Server Disabled Local
DHCP Client Range 192 . 168 . 188 . 2 - 192 . 168 . 188 . 252
Lease Time(sec) 86400

Apply Changes

Static DHCP List IP-MAC List

Max MAC Address counts : 32

P 15 LAN Setting

After finish the LAN setting, user can check the LAN status from P16:

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall Management

LAN Interface WAN Interface English

LAN Interface Setup

IP Address 192 . 168 . 188 . 253
Subnet Mask 255 . 255 . 255 . 0

DHCP Server Setting

DHCP Server Disabled Local
DHCP Client Range 192 . 168 . 188 . 2 - 192 . 168 . 188 . 252
Lease Time(sec) 86400

Apply Changes

Static DHCP List IP-MAC List

Max MAC Address counts : 32

P16: LAN Status

6) Management

Time Zone Settings: User can choose the right time zone, then Apply

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall Management

Time Zone Setting Log Upgrade Firmware Save/Reload Settings Password English

Time Zone Setting

Current Time 2015-01-01 15:41:59 Sync with host
Time Zone Select (GMT+08:00)Beijing, Chongqing, Hong Kong, Urumqi
 Enable NTP client update
NTP Server 192.5.41.41 - North America
 0.0.0.0 (Manual IP Setting)
 After device running 1 days, Automatic optimization system

Apply Cancel

P17 Time Zone Setting

Log: Log info on outdoor CPE

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall **Management**

Time Zone Setting **Log** Upgrade Firmware Save/Reload Settings Password English

System Log

system log Disabled Enabled

Remote Log Server 0 0 0 0

Apply

Refresh Clear

Upgrade Firmware: Select the right firmware, then upgrade, after upgrade it, pls reset outdoor CPE and waiting for reboot.

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall **Management**

Time Zone Setting Log **Upgrade Firmware** Save/Reload Settings Password English

Upgrade Firmware

Firmware Version CPE880-SPI-2T2R-V1.1-V5.3-B20150626143002

Build Time 20150626143002

Select File Browse... Upgrade

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

Save/Reload Settings: User can save or upload outdoor CPE's settings, then can reset or reboot outdoor CPE.

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall **Management**

Time Zone Setting Log Upgrade Firmware **Save/Reload Settings** Password English

Save/Reload Settings

Save Settings to File **Save Settings**

Load Settings from File **Upload Settings** Browse...

Reset Settings to Default **Reset Settings**

System Reboot **System Reboot**

Password: Set Administrator's Password, then Apply changes

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall **Management**

Time Zone Setting Log Upgrade Firmware Save/Reload Settings Password English

Password Setup

User Name

New Password

Confirmed Password

Apply Cancel

Advanced Setting: User can use more functions if required.

Quick Setup System Status Operation Mode 5.8GHz Wireless Network Setting Firewall **Management**

System Status 5.8GHz Wireless Status LAN Status WAN Status English

WLAN Status

5.8GHz WLAN Status AP(Enabled)

Channel-Band 5GHz(AN) channel149

SSID WirelessAP (Broadcast)

BSSID 78:D3:8D:C1:C5:10

Encryption WPA2-PSK

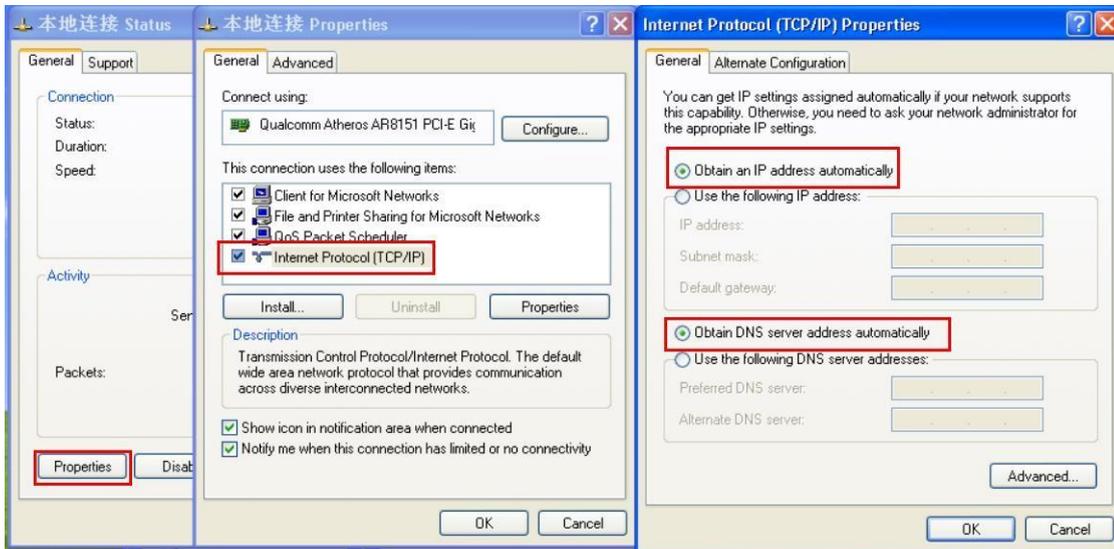
MAC Address 7A:D3:8D:C1:C5:10

Access Control Mode Allow All

Client Table

7) PC setting

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.



8) Troubleshooting:

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 CPE, LAN port connect with computer
Can't land to CPE through Web page	Pls check the IP address of computer and CPE to see whether they are in same networking segment, The method is click "start"- "Run" input "cmd" , ping 192.168.1.1 to test the CPE connectivity. Reset CPE and load it again ; Pls make sure the IP address 192.168.1.1 is not occupied by other device in CPE'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.
CPE can't connect with AP (the status display unconnected)	Try to scan the available wireless networking again ; Make sure the CPE's wireless standard (11b/g/n, 5.8G) is correct ; The Security and passwords are matched between CPE 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 CPE, scan it again after CPE restart ;
The connection of CPE and AP is success, but the computer can't share	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
internet	IP, pls contact with ISP for correct IP address and DNS address.
How to Reset CPE	Press the "Reset" button more than 15 seconds after power on. The CPE will restore factory default after the CPE restart.