NC-LINK

User Manual of NC-AP233(P)/NC-AP231

Version V1.0

Thank you for purchasing NC-Link In-Wall Access Point. This manual will instruct you how to configure and the AP, enable you to use it in a perfect status. Please check the Package before use it.

Package Contents

Item	Description	Unit	QTY
1	Access Point	PCS	1
2	Mounting Accessory	Set	1
3	Quick Installation Guide	PC	1

1. Manual Instruction

This manual is subject to tell users how to use this Wireless Access Point properly. Contents include description of this platform's properties, and how to configure this platform. Pre-reading this manual before operation is highly recommended.

1.1 Target Reader

This manual is for those familiar with basic networking knowledge and terminology

2. Product Introduction

NC-AP233P/NC-AP233/NC-AP231 are highly performance In-Wall Access Point with internal antennas, complied with IEEE 802.11n/g/b. They can support up to 10-15 clients, suitable for hotel guest room and small meeting room etc. NC-AP224 is 300Mbps @2.4GHz

2.1 Product Layout
2.1.1 Interface

Reset: Press the Reset button about **15 seconds**, then release to reset
LAN: Then LAN port is used for bridging
USB Charger: The USB Charger can provide **5V/1A** output charge

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Power Button: To power **ON/OFF** of the device
The default IP address is **192.168.188.253**
Default user name & password are **admin**

RJ45 Connector
NC-AP233P with 1 x 10/100Mbps auto-negotiation RJ45 LAN Port
NC-AP233 with 1 x 10/100Mbps auto-negotiation RJ45 LAN Port
NC-AP231 with 1 x 10/100Mbps auto-negotiation RJ45 LAN Port
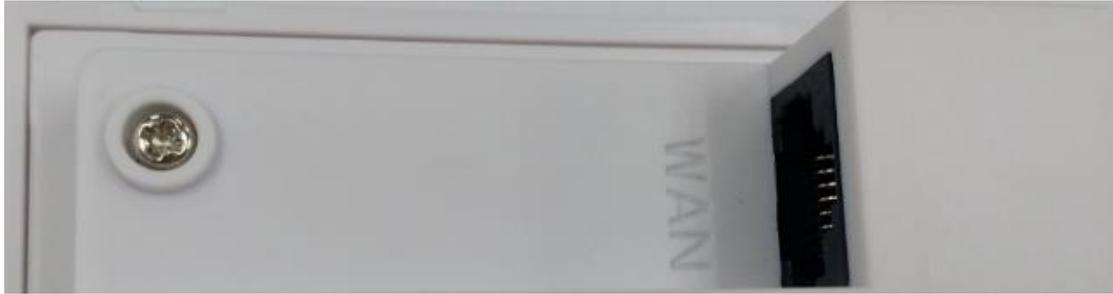
WAN: The WAN port is used to connect to the power and Internet
NC-AP233P with 1 x 10/100Mbps auto-negotiation RJ45 WAN Port
NC-AP233 with 1 x 10/100Mbps auto-negotiation RJ45 WAN Port
NC-AP231 with 1 x 10/100Mbps auto-negotiation RJ45 WAN Port

3. Login

Connect your PC to the In-Wall Access Point's **LAN Port**, then login Web Management Page with default IP Address: **http://192.168.188.253** Default username & password: **admin**. Below base on **Chrome** browser.
Note:
Before login the Web Management Page, configure your PC with a fixed IP address, 192.168.188.X (X between 2 to 252) since default mode is AP Mode.

Login Steps:
Open Chrome browser, input **http://192.168.188.253** in the address bar to login Access Point

Input the default user name & password: **admin**, then click "**Log In**"

Authentication Required

http://192.168.188.253 requires a username and password.

Your connection to this site is not private.

User Name: [   ]

Password: [   ]

[Log In] [Cancel]
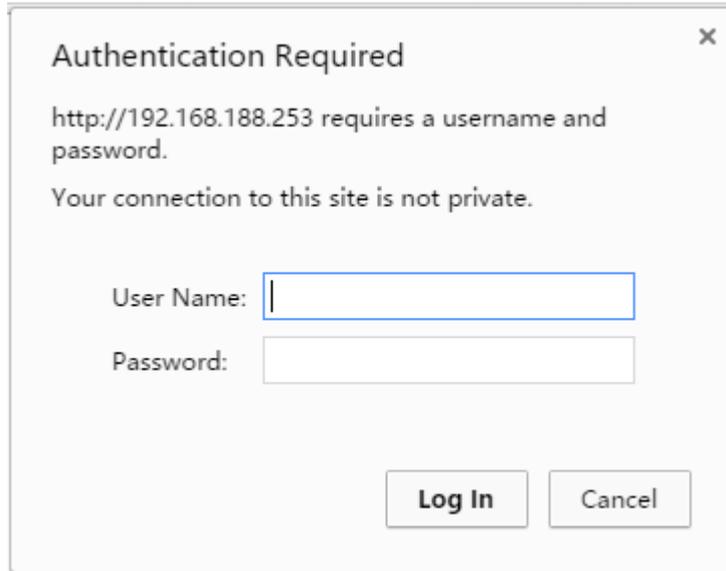
After login, you can see below Web page.

Default operating mode is **AP Mode**.

4. Repeater Mode Configuration

a) In Wireless Repeater, click "**Scan AP**"
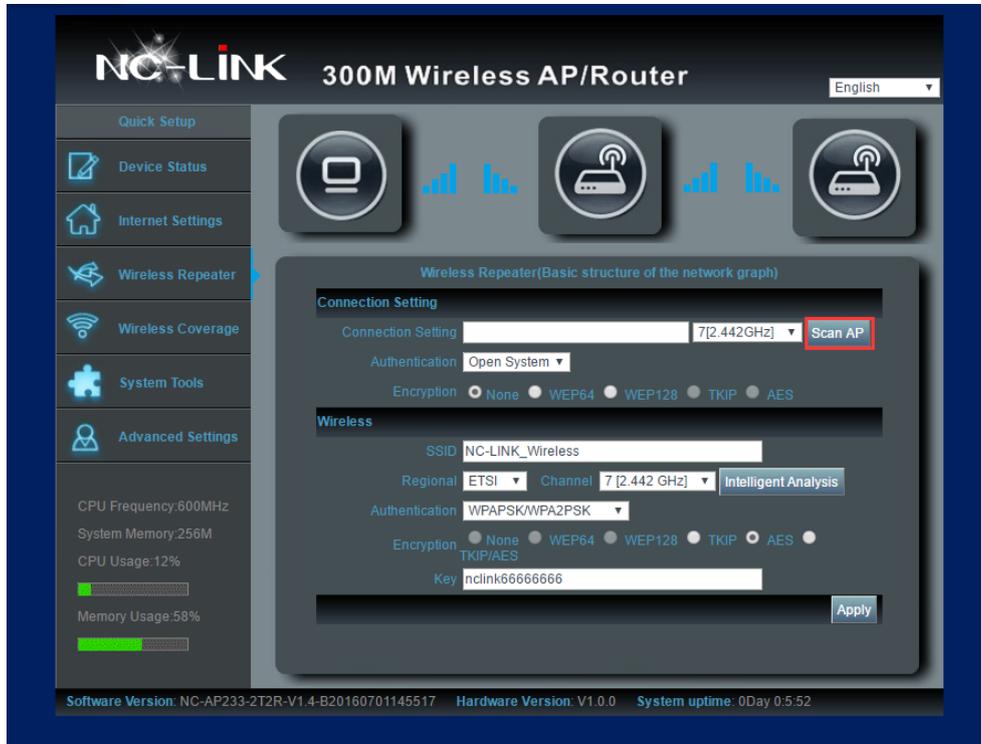
b) Select the AP signal you want to repeat
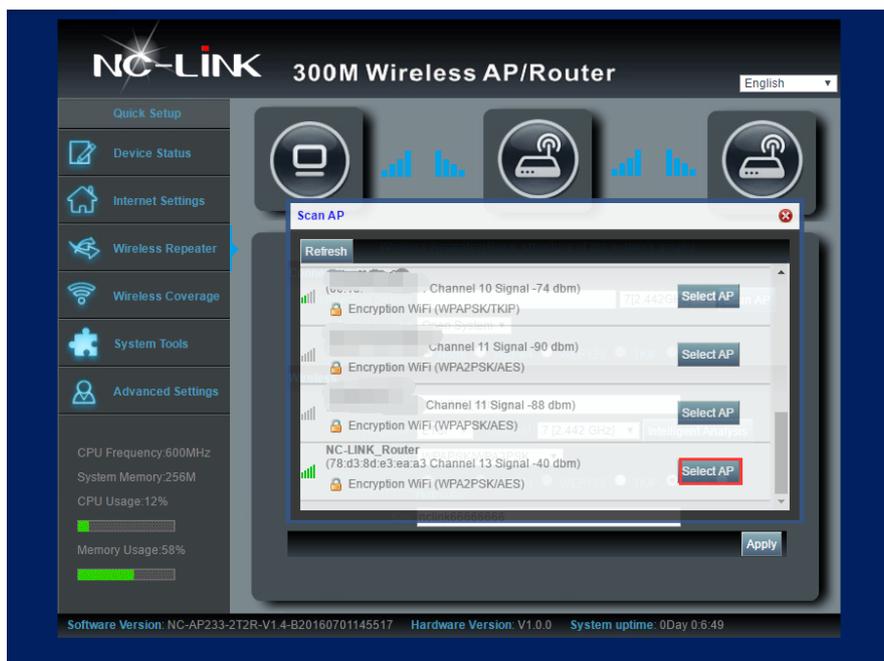
c) Fill in the Password of the repeated signal and set AP's wireless parameters.
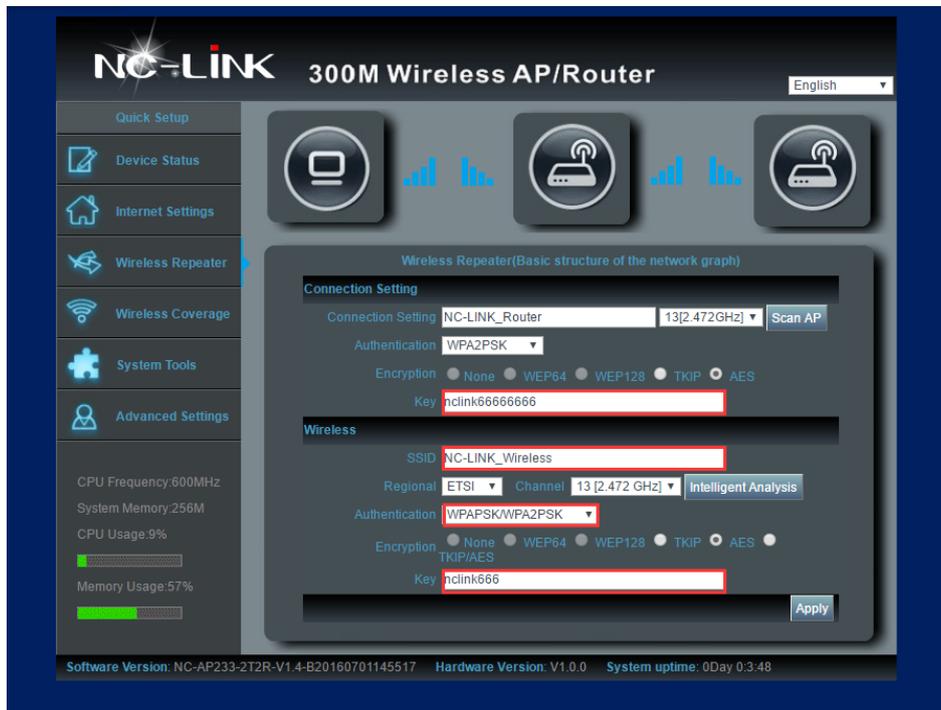
d) Click "**Apply**" to complete the configuration
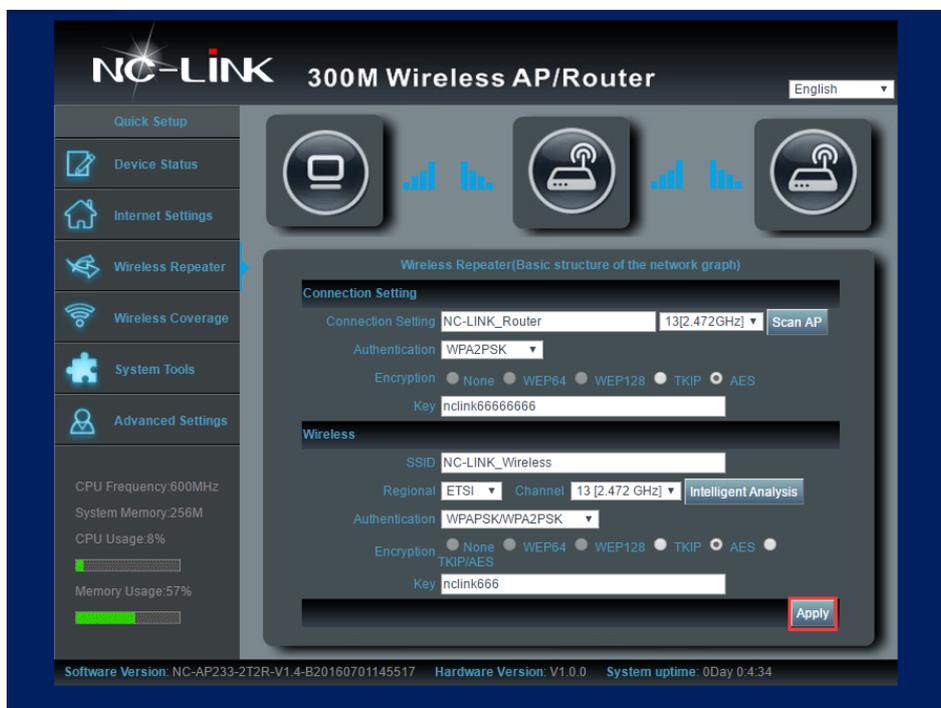
e) Configuration completed, device will reboot
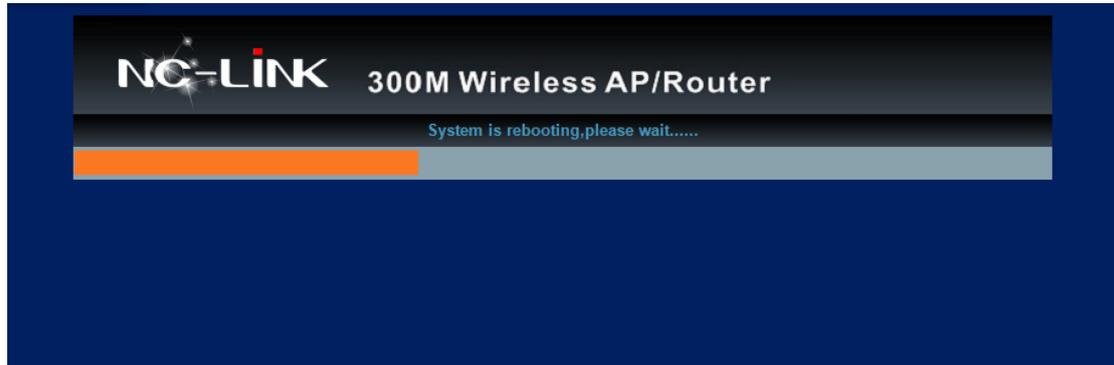
5. AP Mode Configuration

a) Select "**Wireless Coverage**"
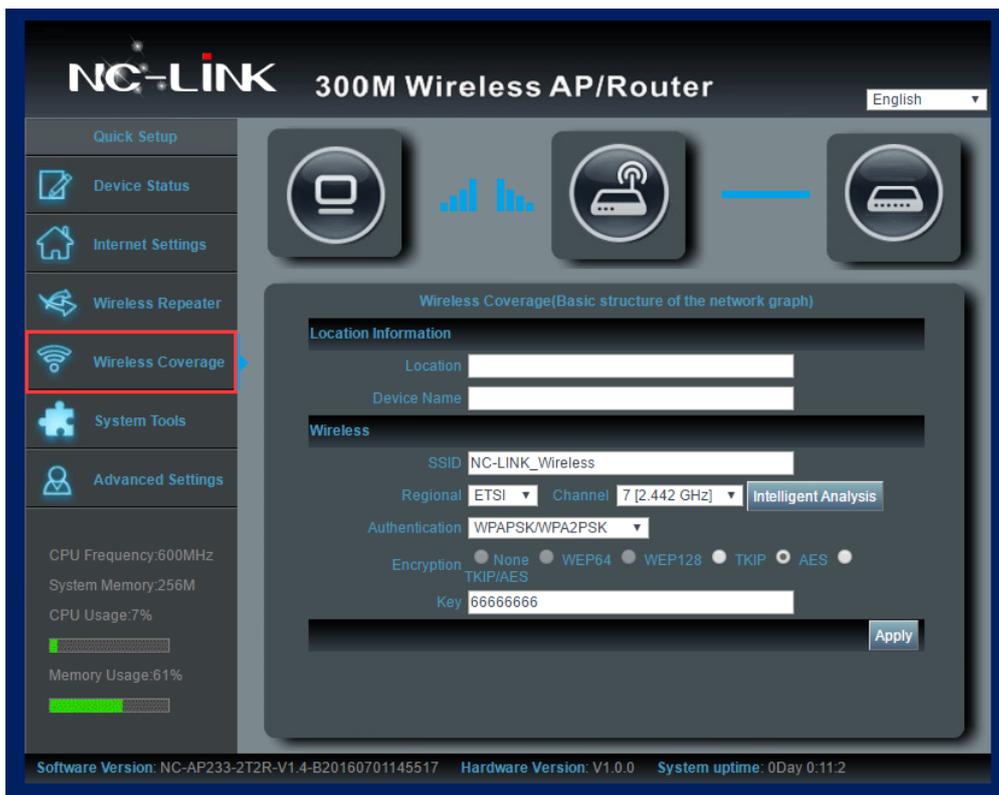
b) Set the parameter **SSID**, **Authentication** and **Password**
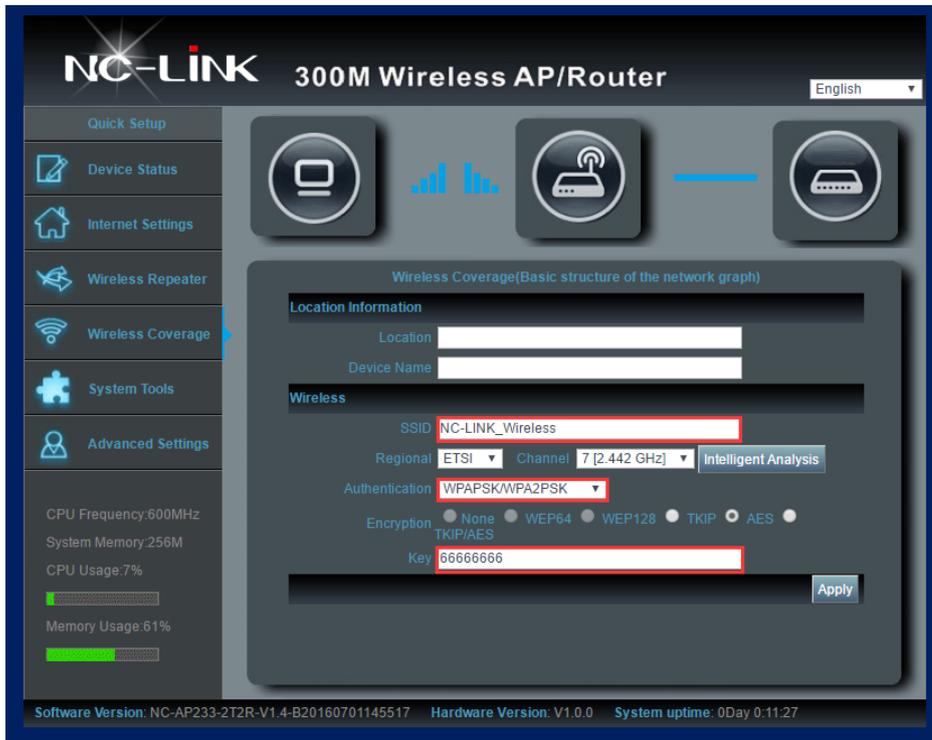
c) Click "**Apply**" then click "**OK**" to complete setting
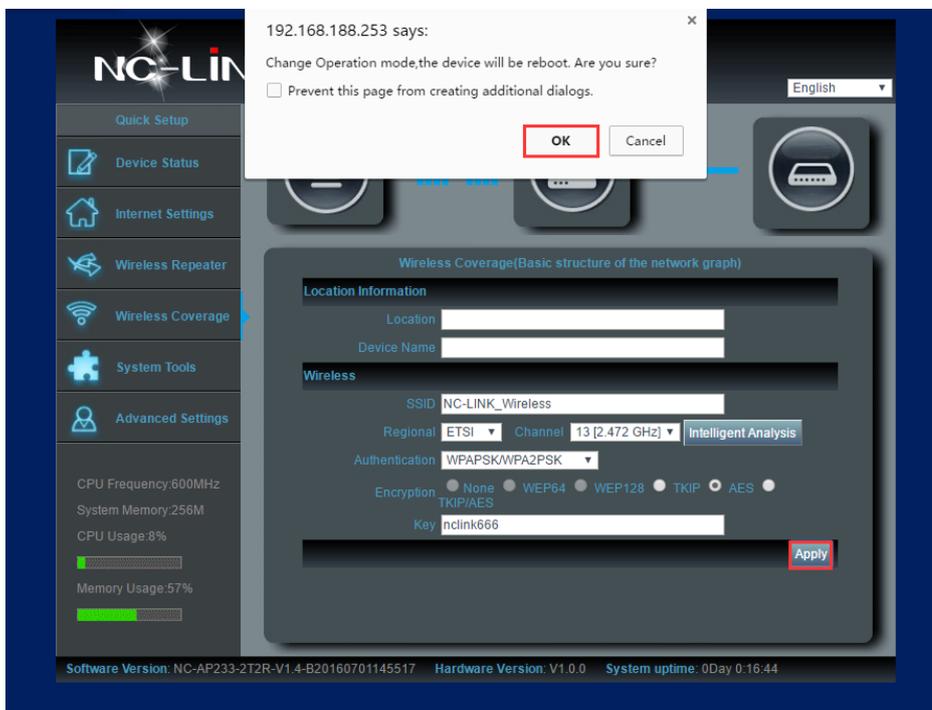
d) Configuration completed, device will reboot
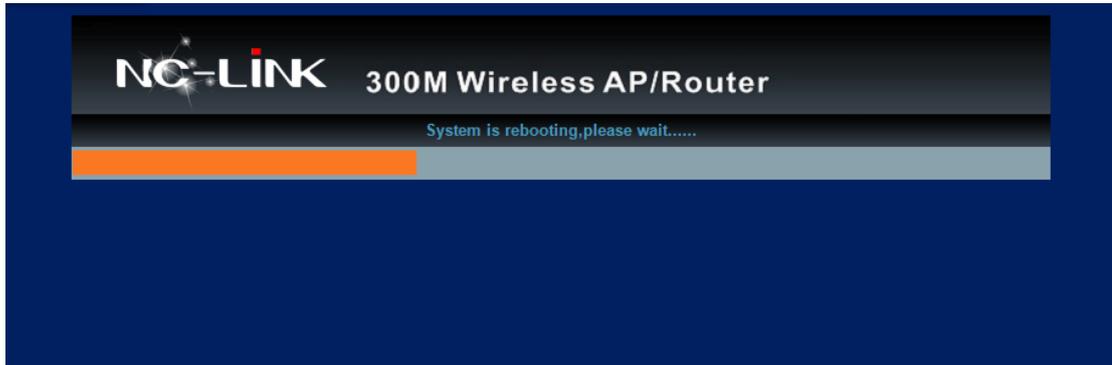
6. Gateway Mode Configuration
   Dynamic IP

a) Click "**Internet Setting**"

b) If Internet to LAN Port is **Dynamic IP**, only need to fill in the wireless parameters. Like **SSID**, **Authentication**, **Password**

c) Then "**Apply**" and click "**OK**" to complete the configuration.
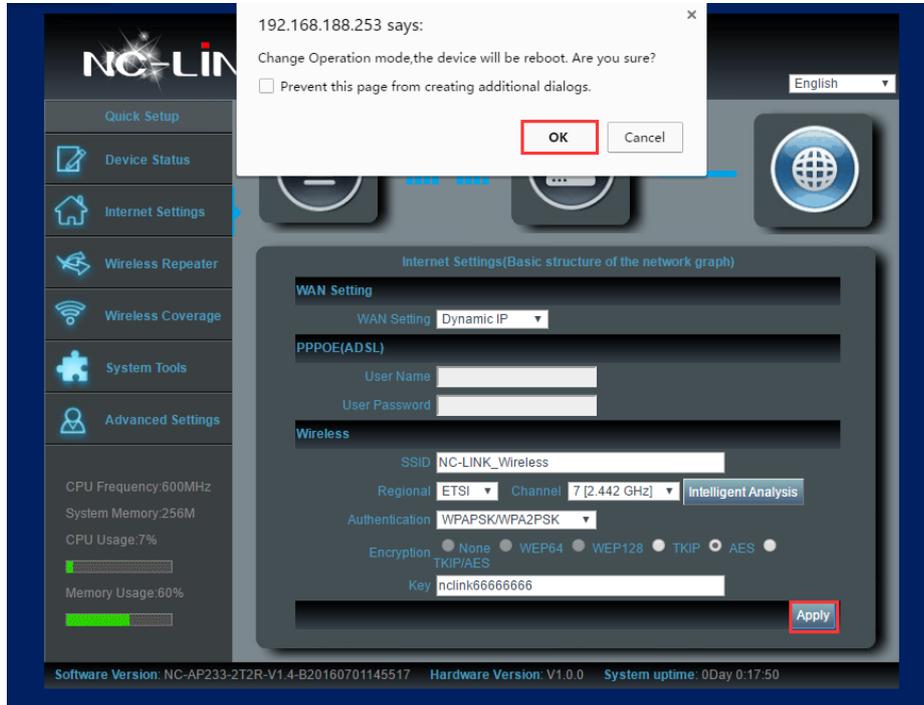
d) Configuration completed, the device will reboot

7. Advanced

7.1   Status

7.1.1 Basic info
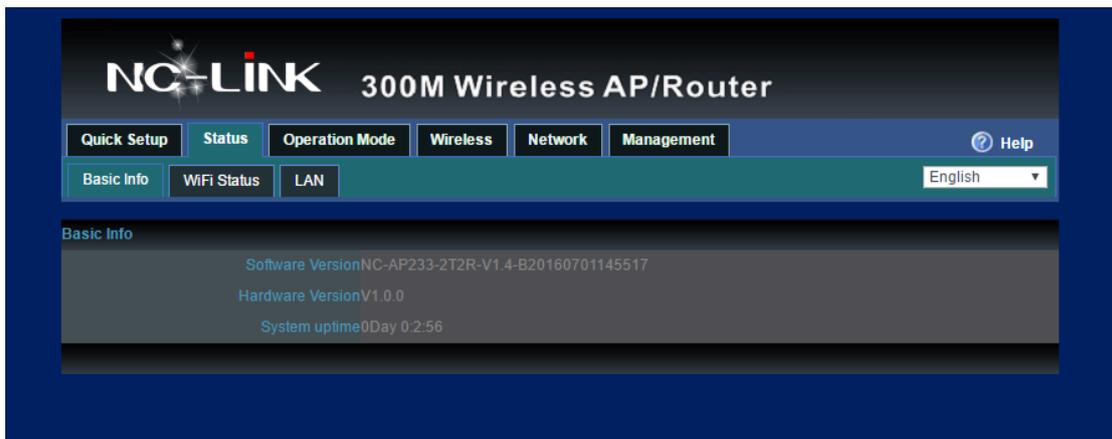
7.1.2 Wi-Fi Status
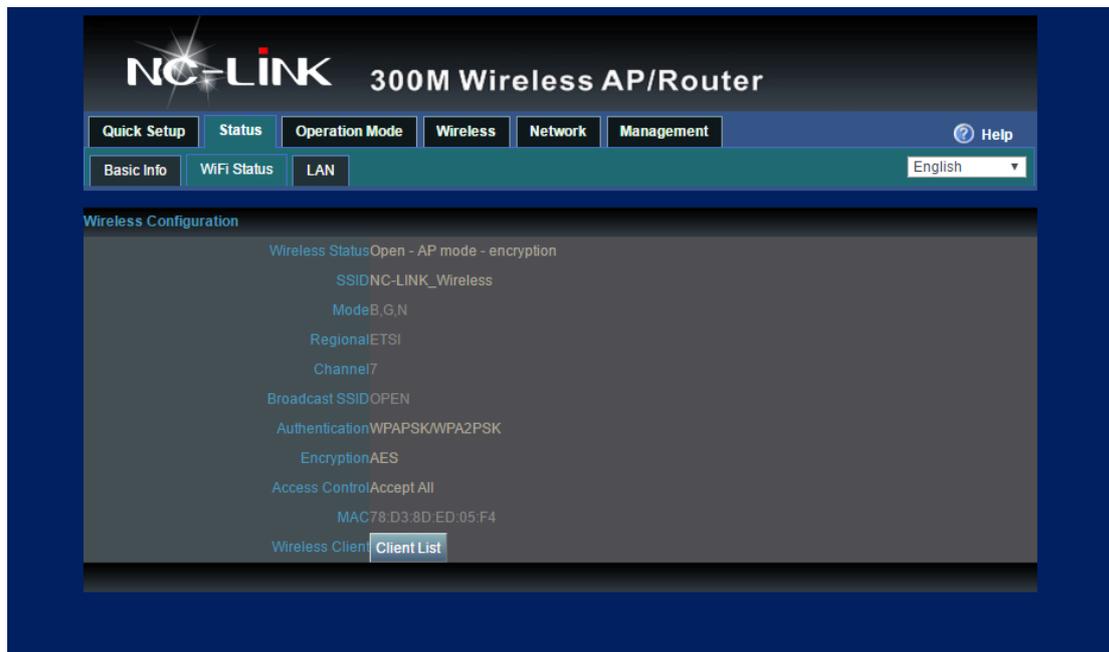
7.1.3 LAN Status
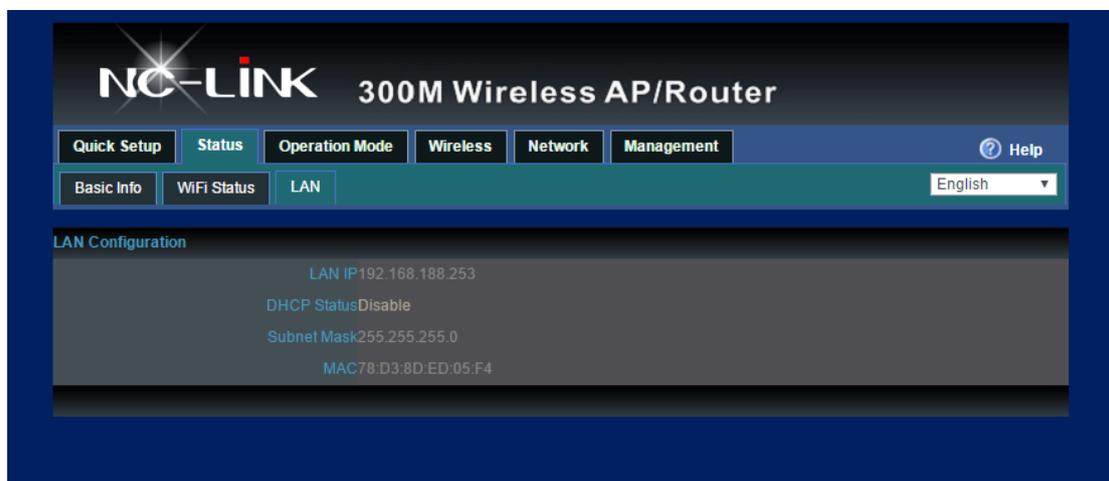
7.2   Wireless

7.2.1 Basic Settings

- Status: ON/OFF the 2.4GHz wireless
- SSID: Set the SSID
- Mode: Set the operating mode
- Regional: Set the Country or Region
- Channel: Set the Channel of the wireless signal
- Intelligent Analyzer: Analyze the wireless signal around help to choose a better channel to avoid interference
- Broadcast: Enable or Disable broadcast SSID
- WMM: Enable or Disable WMM function
- Authentication: Set the authentication method
- Encryption: Choose the encryption type or open
- Key: Set the key/password of your Wi-Fi

7.2.2 Virtual AP
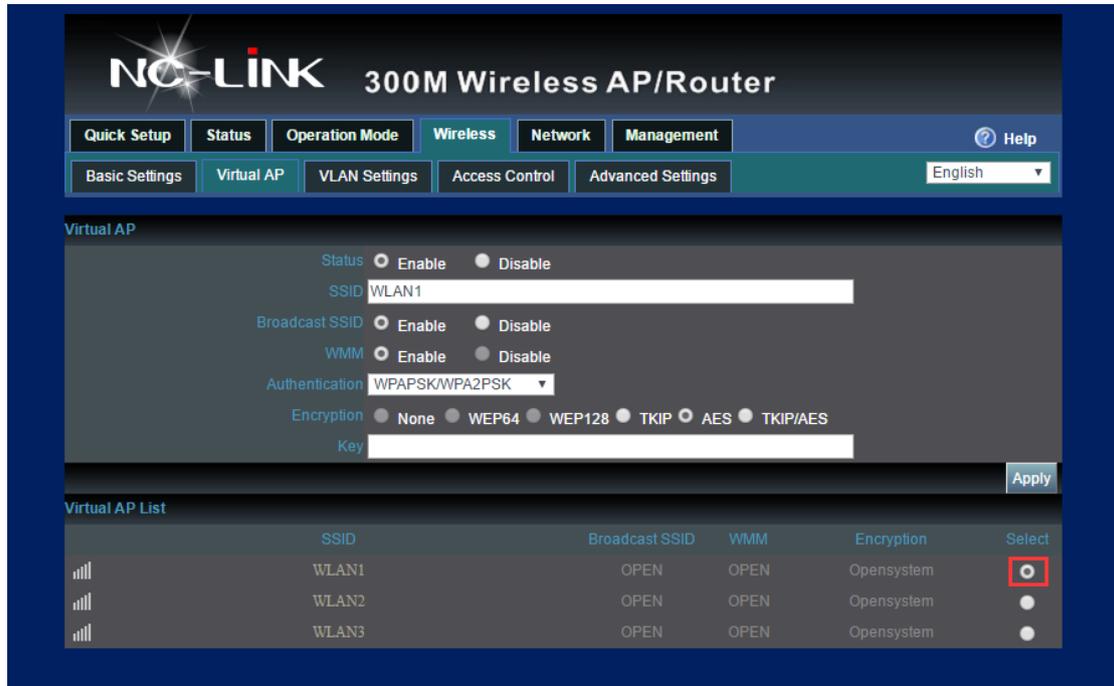
- ■ Status: ON/OFF the Virtual AP
- ■ SSID: Set the SSID
- ■ Broadcast SSID: Enable or Disable broadcast SSID
- ■ WMM: Enable or Disable WMM function
- ■ Authentication: Set the authentication method
- ■ Encryption: Choose the encryption type or open
- ■ Key: Set the key/password of your Wi-Fi

Note:
First need to select the Virtual AP in bottom list, so that can do the rest of setting.

7.2.3 VLAN Setting
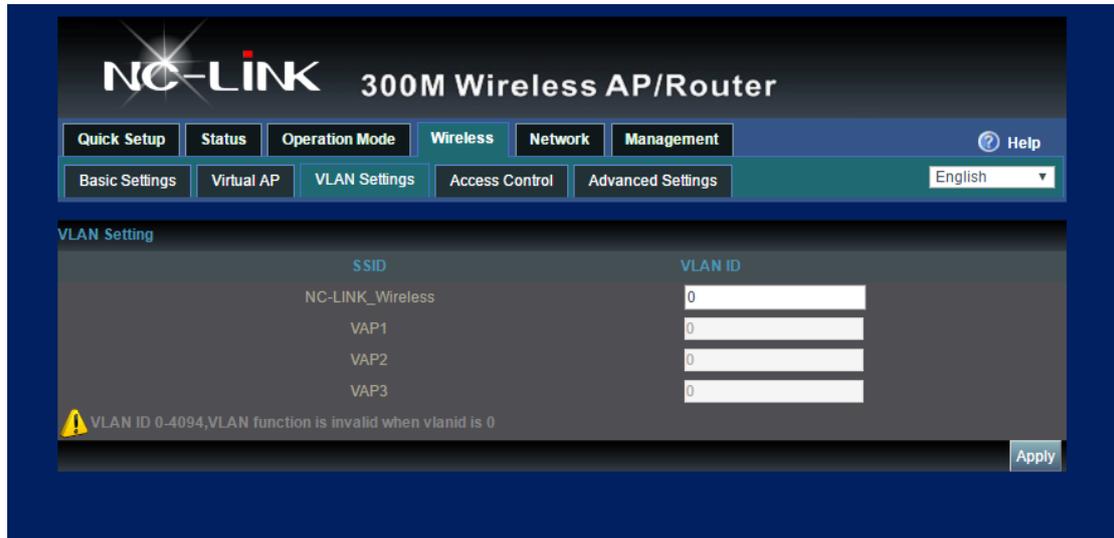
7.2.4 Access Control
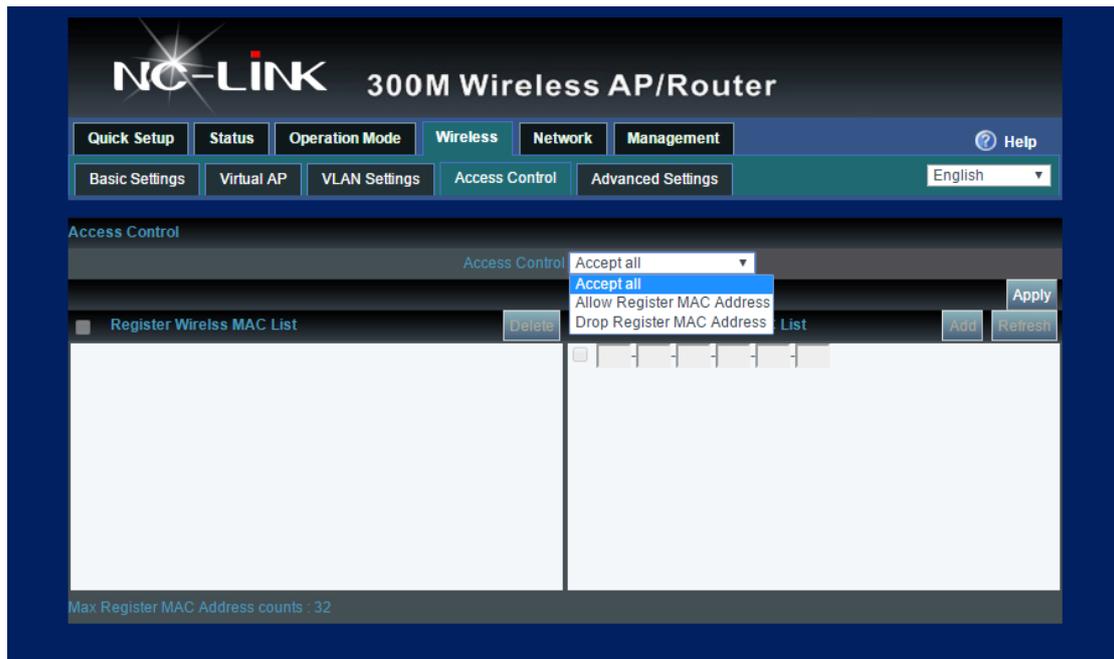
Allow or deny the Access Control based on MAC address

7.2.5 Advanced Setting
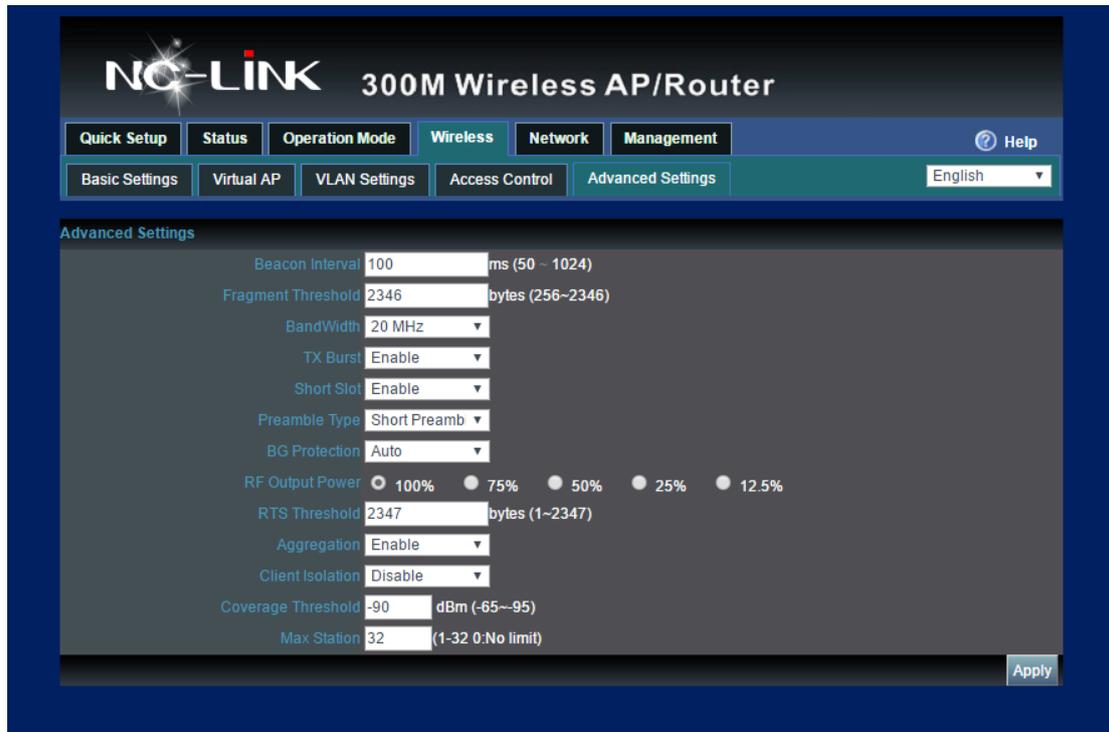
- ■ Bandwidth: set the bandwidth of the Wi-Fi
- ■ RF Output Power: 100%, 75%, 50%, 25%, 12.5%
- ■ RST Threshold: limit the number of connect client base on RSSI
- ■ Client Isolation: enable or disable client isolation
- ■ Max Station: limit the number of connect client
- ■ Other advanced Setting: Professional installation or maintenance person can set it accordingly. General, keep it default. Click Apply after setting

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7.3   Network

7.3.1 LAN Settings
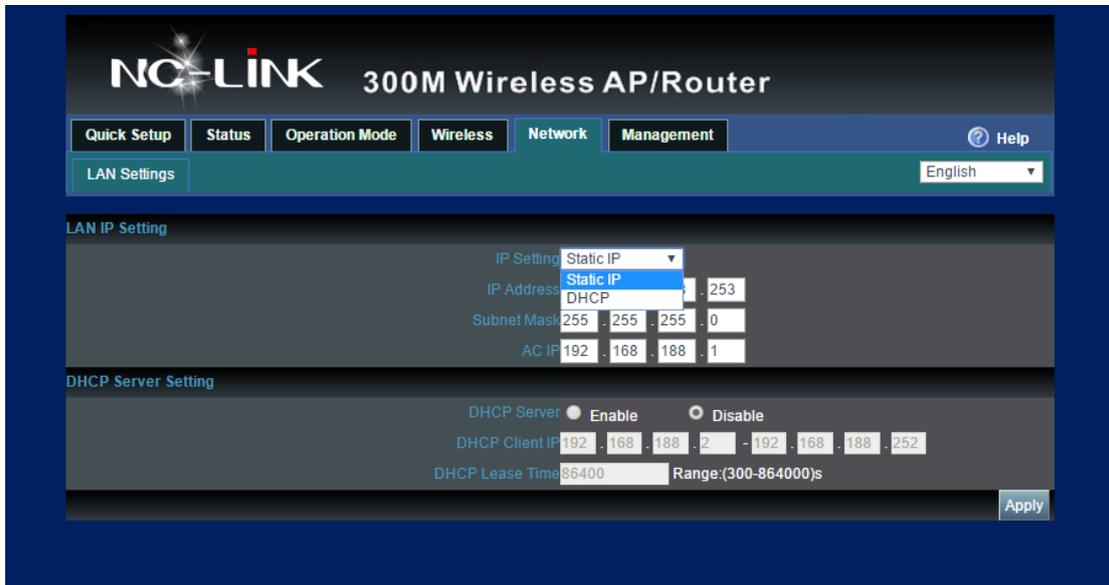
Setting the Access Type of Internet

7.4   Management

7.4.1 System

System: from here you can reload the backup file to restore the system, or restore to factory default, reboot the CPE through firmware

7.4.2 User
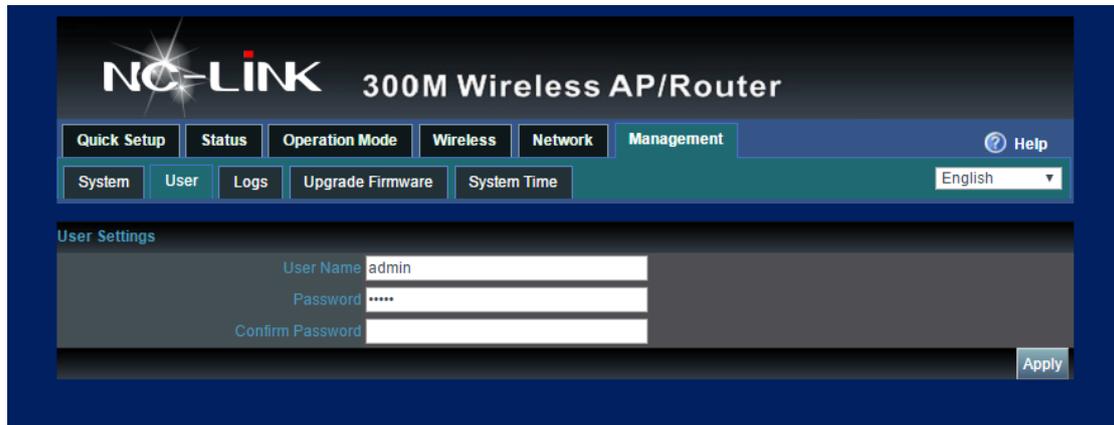
User: Set the User Name and Password of the device

7.4.3 Logs

Logs: The system logs can be enable or disable, user can view the system log

7.4.4 Upgrade Firmware
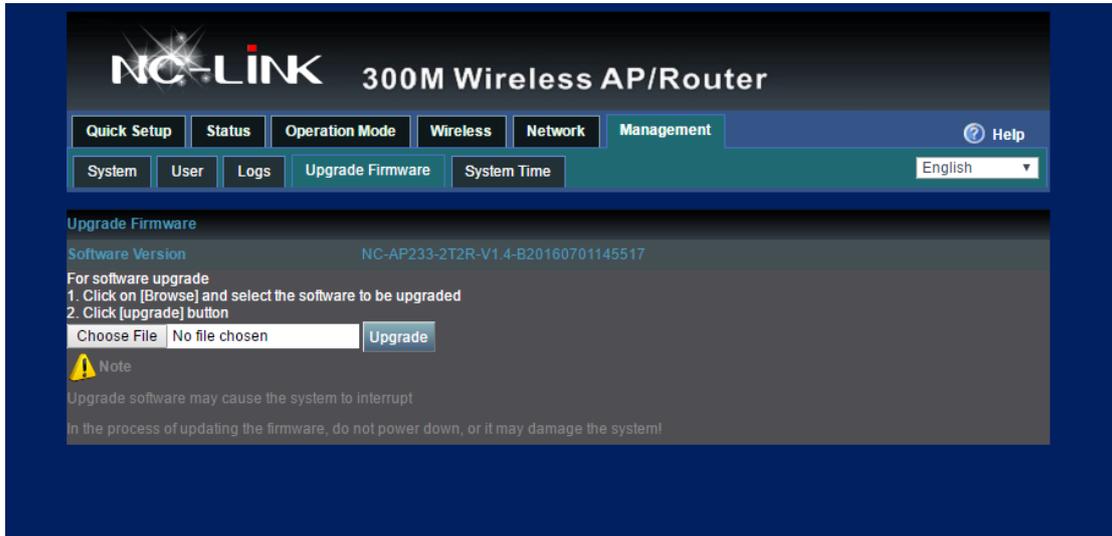
Upgrade Firmware: Upgrade new firmware to access stable function of device

7.4.5 System time
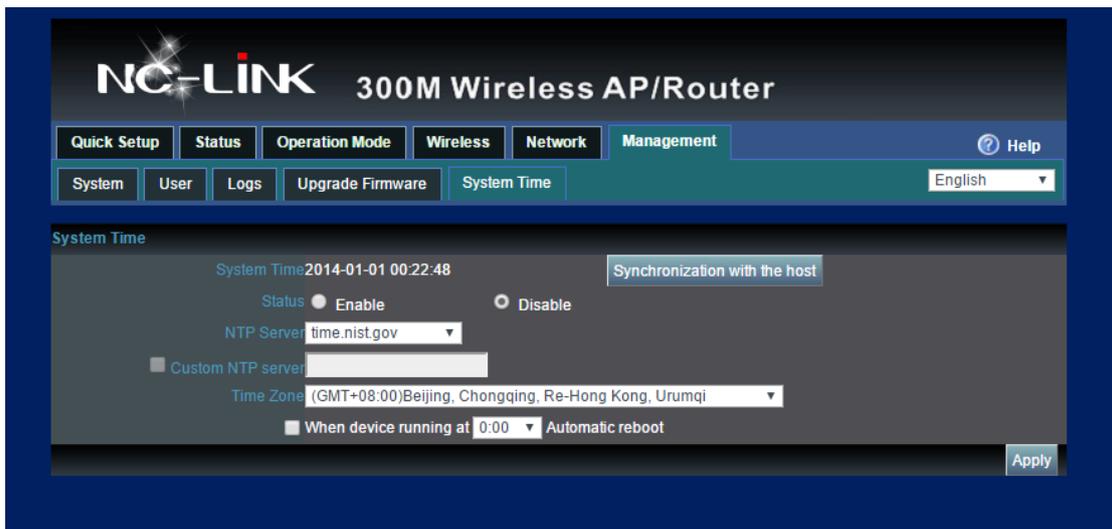
System Time: Set the Access Point's time

8. Trouble Shooting

Q: Client can not find the SSID
A: To check wireless setting about the broadcast SSID whether enable

Q: Client can not connect to the SSID
A: Firstly, check client quantity whether reach the limit; secondly, check client's RSSI whether lower than the threshold limit; thirdly, check the client whether in the deny list of setting

Q: Client can connect to SSID but can not surf the Internet
A: This mainly due to the DNS issue, check the gateway router for the DNS setting

Q: Client network speed is low
A: Check the link rate of your connection. If it is low, change other place to get better signal. If it is high, need to check whether has QoS in the gateway router then do some adjustment

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