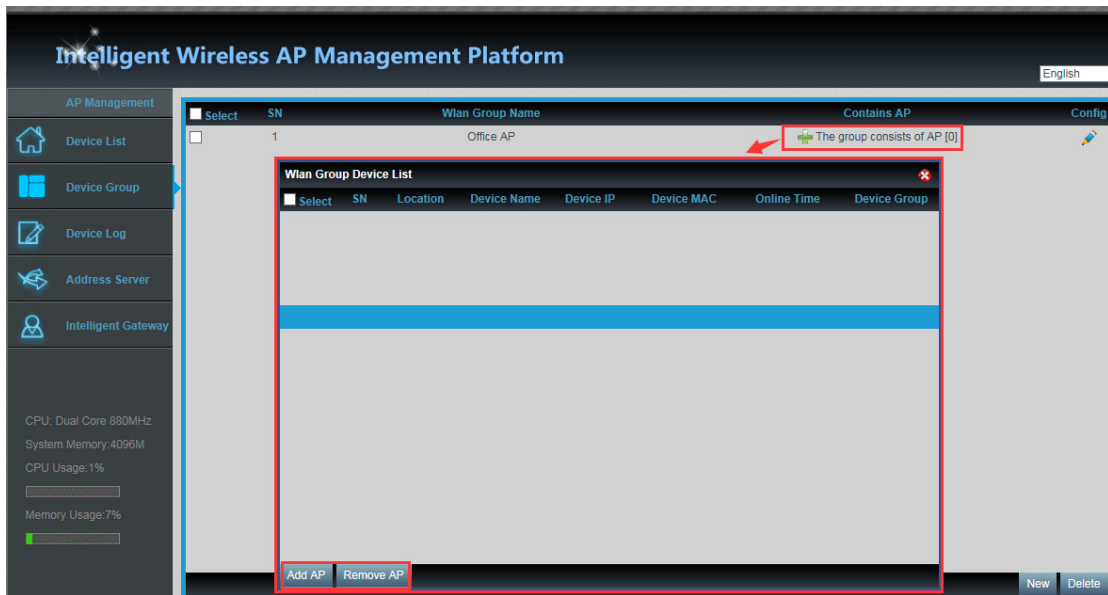


Add /Remove AP into group:

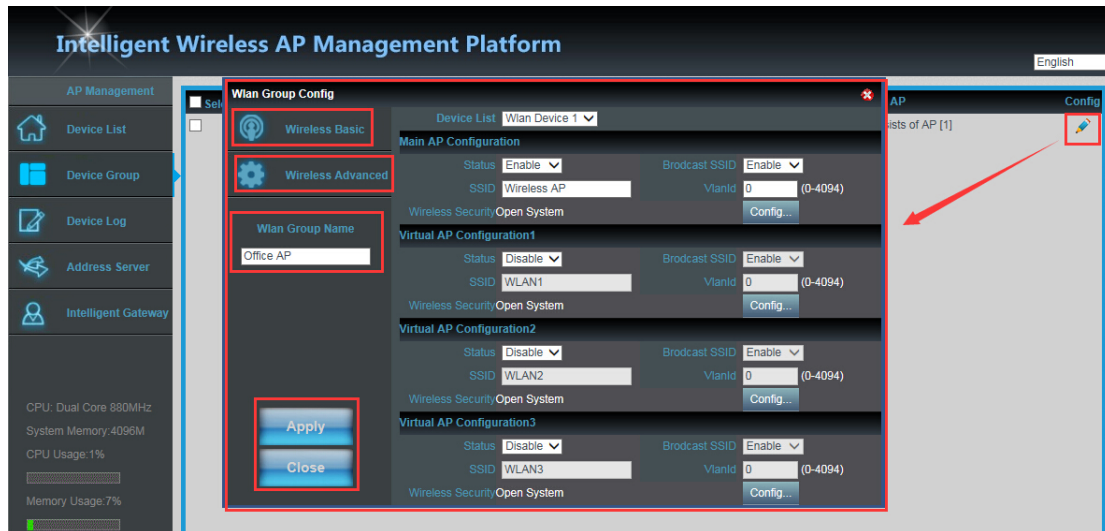
Pls following the step showed in following picture:



Configure the AP' s data in group:

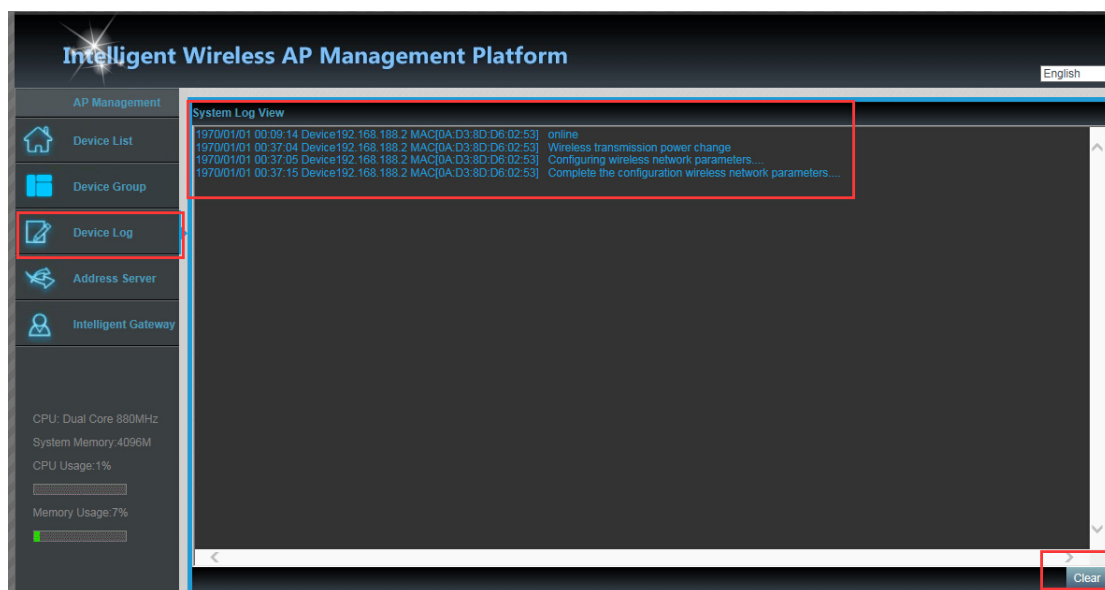
All the data configed here, such as SSID, password, channel... will applicated to all the AP in this group.

Pls take following picture a reference:



## 4.3 Device Log

For this log part, record all the AP activities for better technical support.  
Can clear it if no need this info.



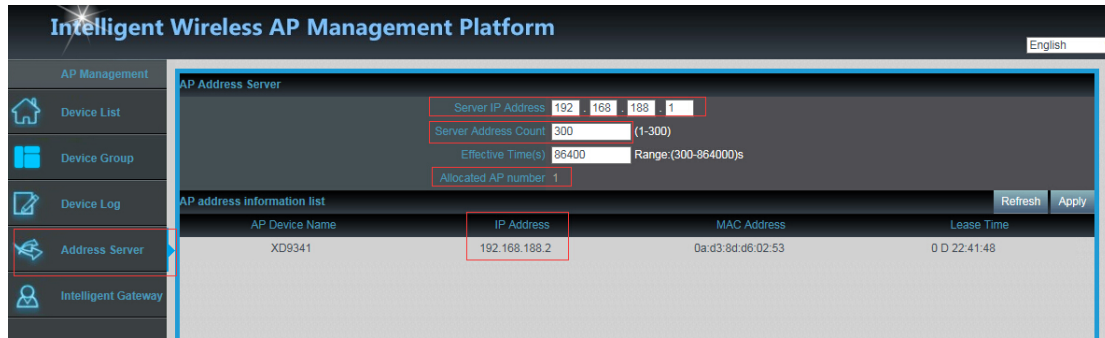
## 4.4 Address Server:

Address Server, mean this AC controller can distribute IP address for the Wireless AP connected with this AC controller, to avoid AP's IP address conflict in setup.

Server IP address: mean the server's IP address, if user set is as 192.168.188.1, then AP will get IP address of 192.168.188.X.

Server Address Count: Mean how many AP can connect with this AC controller.

Allocated AP number: Mean QTY of Wireless AP connected into this AC controller.

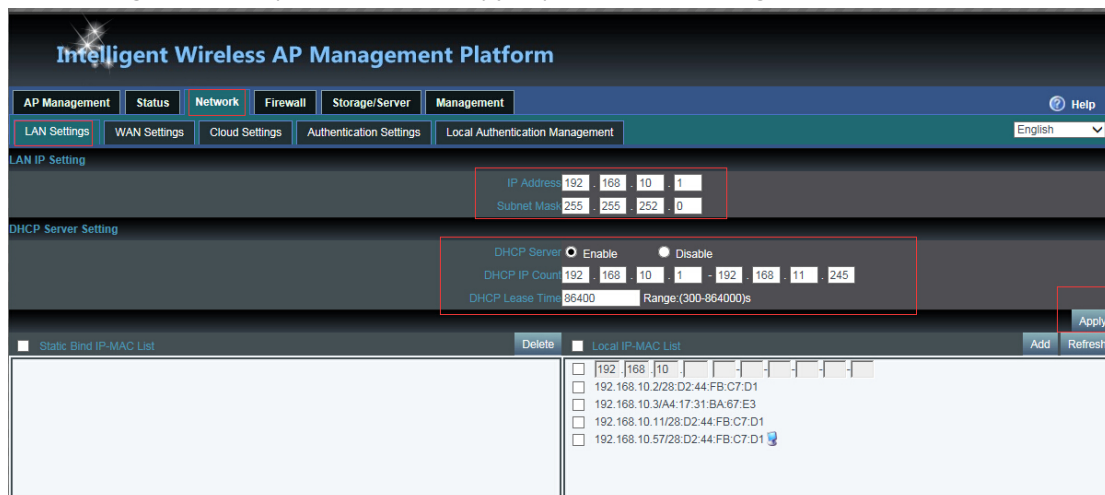


## 4.5 Intelligent Gateway

In this part, AC controller work as enterprise router, can access into more than 200 end users.

### A. LAN Settings:

Click Intelligent Gateway will automatically jump to the LAN settings



### LAN IP Setting:

Set IP address for LAN

Subnet mask

Set Subnet mask for LAN

DHCP Server

DHCP server enable mean it will assign IP address for users.

DHCP Client IP

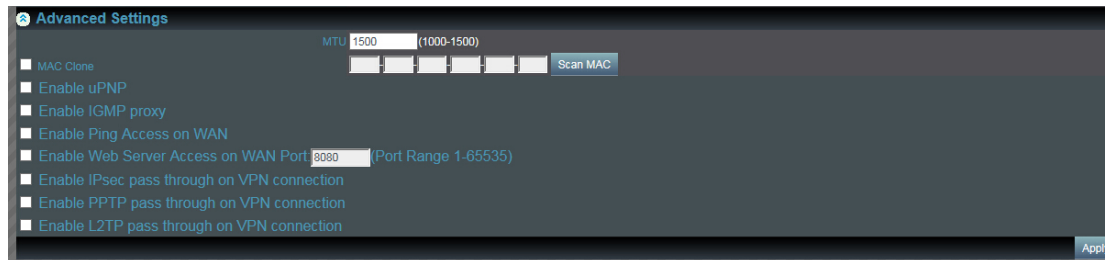
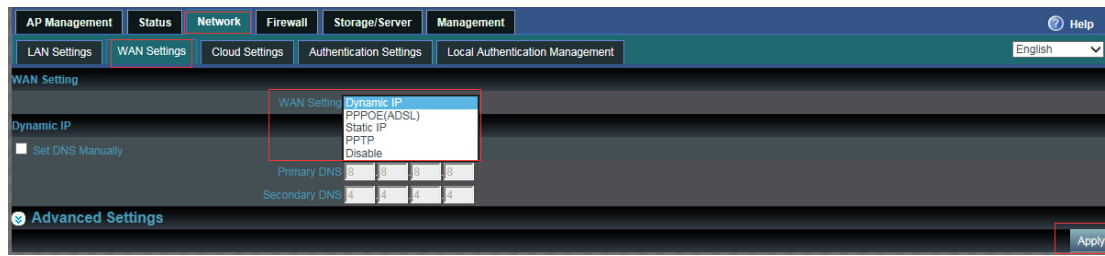
DHCP Client IP mean the IP address range assigned by DHCP Server.

DHCP Lease Time

The networking device get IP lease time from DHCP server.

### B. WAN Settings:

In this part, configure the WAN networking mainly.



#### Dynamic IP:

WAN interface obtains IP and DNS information through DHCP mode.

#### PPPOE(ADSL):

WAN interface obtains IP and DNS information via PPPOE dial-up mode.

#### Static IP:

Set IP and DNS information for WAN interface manual

#### PPTP:

WAN interface obtains IP and DNS information via PPTP mode

#### MAC Clone:

Specifies the WAN interface MAC, by clicking [Search MAC Address] button, and then will pop up a connected device's MAC, select the MAC desired to clone. You can manually specify the MAC

#### Enable IGMP Proxy:

Enables IGMP proxy, this feature can be forwarded IGMP data from WAN to the LAN

#### Enable Ping Address on WAN:

This feature allows outer net to ping WAN

#### Enable Web Server Address on WAN port

Enable this feature, allows to manage AC3000 from outer net via a specified remote management port

#### C. Cloud Setting:

Make this AC controller to connect with cloud server for captive portal authentication.

Pls note: AC controller can access into cloud server in Gateway operation mode;

Cloud server should support wifidog.

Cloud Server Setting: Enable or Disable.

Cloud Server: Input the cloud server's IP address or domain name.

Login Name: mean the account name in this cloud server.

Contact information: pls input if have.

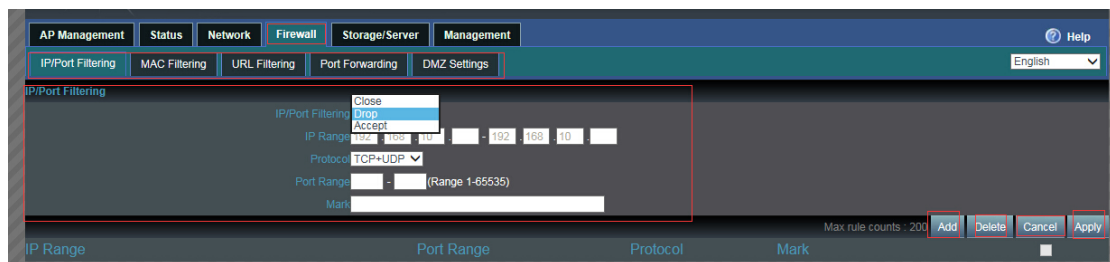
D. Authentication settings and local authentication management.

Make authentication through the cloud server.

For this part, pls refer to the authentication user manual.

## Chapter 5 Firewall

### 5.1 IP/Port Filtering



#### IP/Port Filtering

IP/Port forwarding enable, router will limited the data forwarding according to the filtering rule. If the filtering rule is [refuse], then the router will refuse to forward the data in accordance with filtering rule.; If the filtering rule is [allow], the router will forward the data in accordance with filtering rule.

#### IP Range

Set IP address range

#### Protocol

Set filtering rule protocol

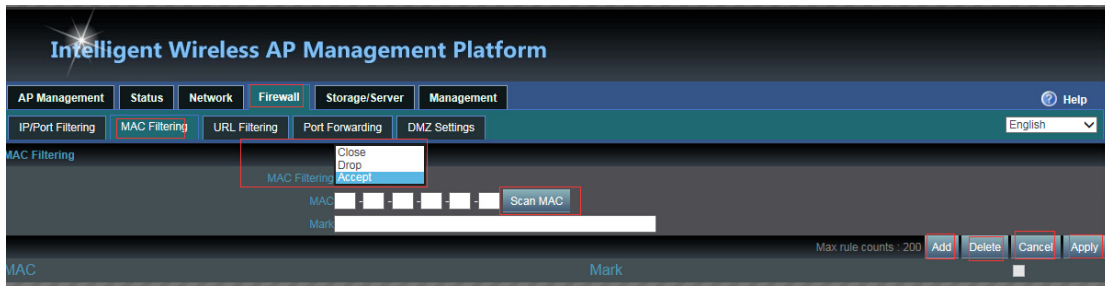
#### Port Range

Set filtering port range

#### Mask

A simple description of the entry rules, for user's easily management;

### 5.2 MAC Filtering



### MAC Filtering

Enabling Mac filtering, router will restrict data forwarding based on the selected filtering rules; When selected Close, router will decline the pointed incoming data; When selected as Open, then router will allow the pointed incoming rules;

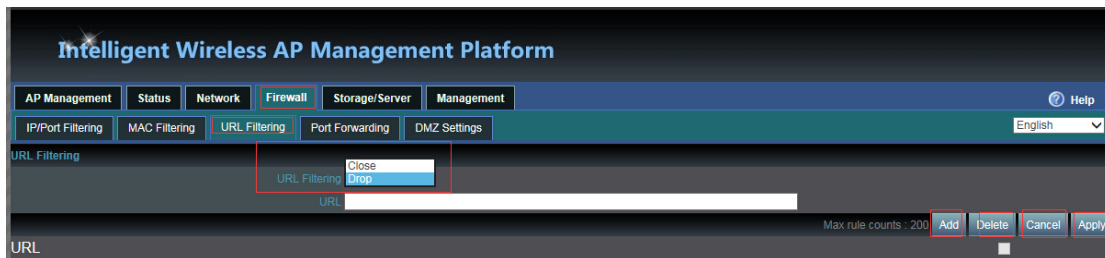
#### Mac address

Set up rules in mac address, users can click Searching Mac Address from the clients in routers, or can set up the mac address manually;

#### Mask

A simple description of the entry rules, for user's easier management;

## 5.3 URL Filtering



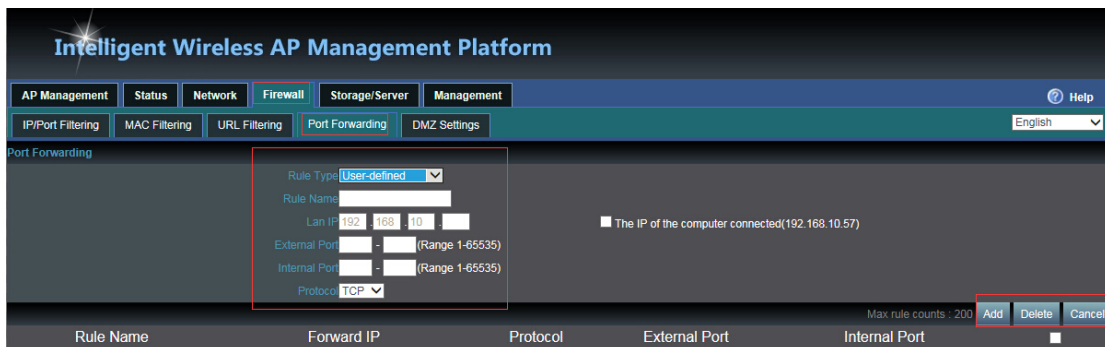
### URL Filtering

Enabling URL filtering, router will restrict access to the pointed URL;

#### URL address

Set up the declined URL address

## 5.4 Port Forwarding



### Port forwarding

Port forwarding is to forward data from one port to another port, enabling external users have access to an internal private IP in LAN, from an external triggered NAT router ;

Rule Type

Set up rule type, which have specific port number;

Rule name

Port forwarding rule name

LAN IP

IP of the port forwarding

External port

External port number of port forwarding

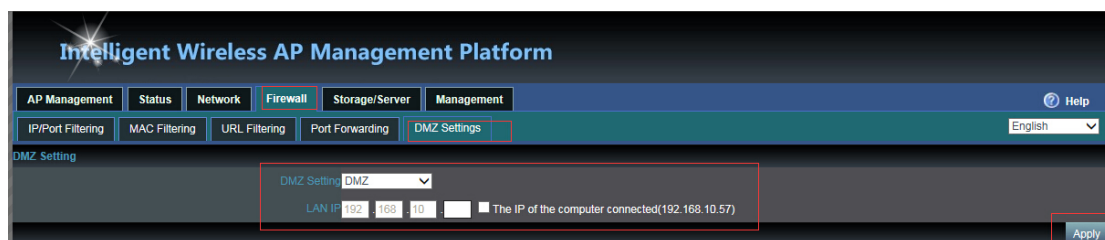
Internal port

Internal port number of port forwarding

Protocol

Protocol used for port forwarding

## 5.5 DMZ Settings



DMZ

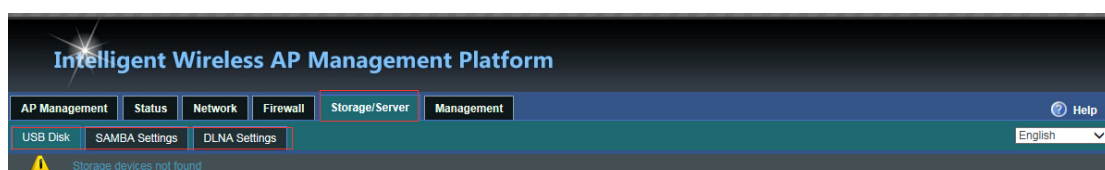
DMZ is short for demilitarized zone; It's a compartment between security zone and non-security zone, in order to solve the problem of external network can not access into internal server after firewall installation; This DMZ zone is a small network zone between external and internal network; While in this small zone, users usually place some open server, like web server, FTP server, or forum; DMZ will protect internal network more efficiently, because this network allocation is another obstacle for hackers, compared to normal firewall

IP LAN IP

IP address of DMZ host

## Chapter 6 Storage/Server

Before use the storage function, pls make sure insert the USB disk into router, then click Storage, following picture will be showed, there are USB Disk, SAMBA Settings, DLNA settings for choose



A.USB Disk: When insert the USB disk to router' s USB port, then will appear following page show the files directory path and partitions name.User can add/delete the files.

#### B. SAMBA function

We can share the files in USB disk to public users through SAMBA server

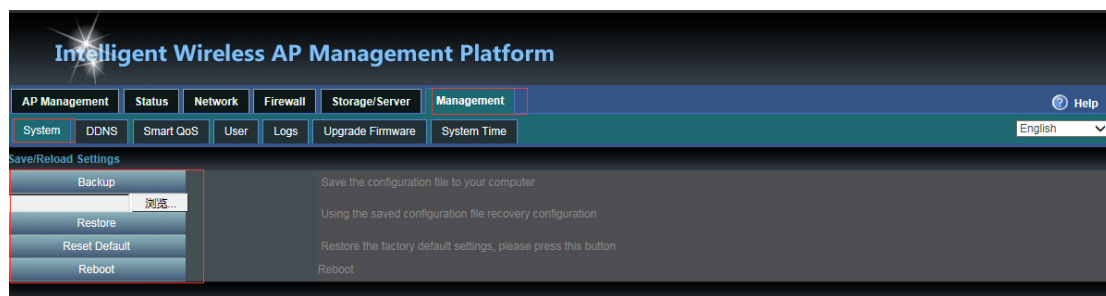
Click SAMBA Settings, then set user name and passwords in wireless router, then apply.

#### C. DLNA function

User can build a DLNA server through this function. It work with mobile phone or other device support DLNA, then share the files in the local internet.

## Chapter 7 Device management

### 7.1 System management



#### Backup

Save the configuration files to your computer

#### Restore

Using the saved configuration file recovery configuration

#### Restore default

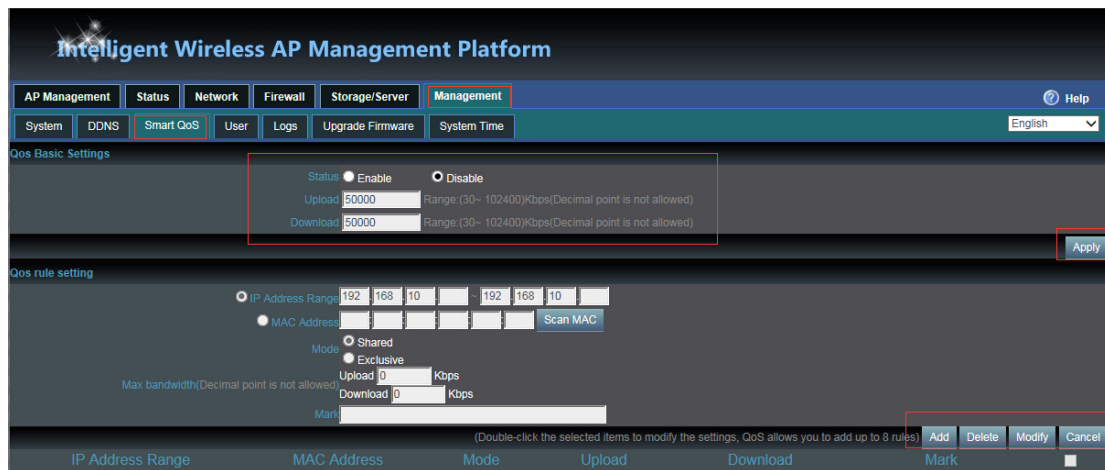
Restore the factory default settings, please press this button

#### Reboot

Reboot the system

### 7.2 QoS





## Status

Enable or Disable QoS function

## Upload

Set up total uploading bandwidth

## Download

Set up total downloading bandwidth

## IP Address Range

Set up IP range of bandwidth

## MAC address

Set up bandwidth control by mac address, user can choose it from Scan MAC, or setup by manual.

## Mode

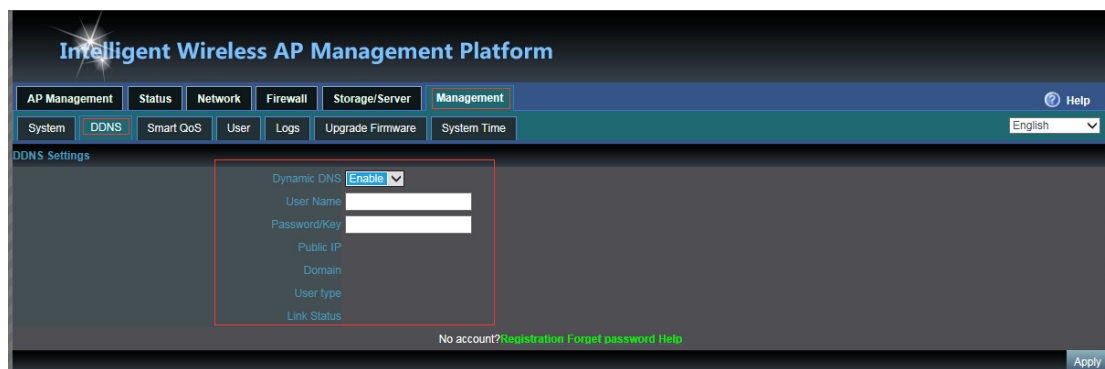
QoS mode settings, shared mode means under the QoS rules, the main PC within all IP range can share the specified bandwidth;

Exclusive mode means single main PC can share the specified bandwidth;

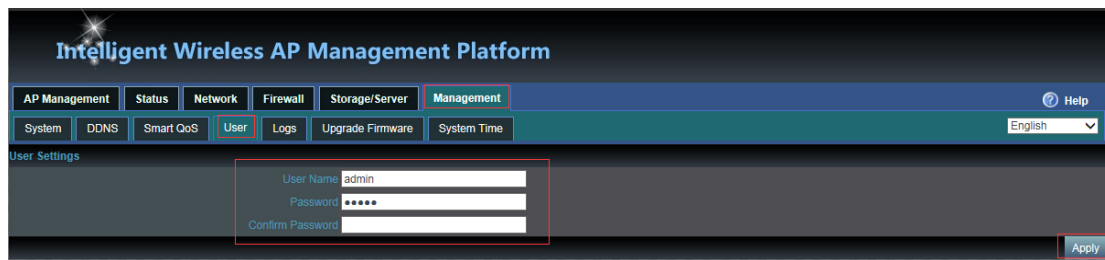
## Max bandwidth

Max bandwidth under QoS rules

## 7.3. DDNS



## 7.4 User management



User Name

Reset new log-in user name

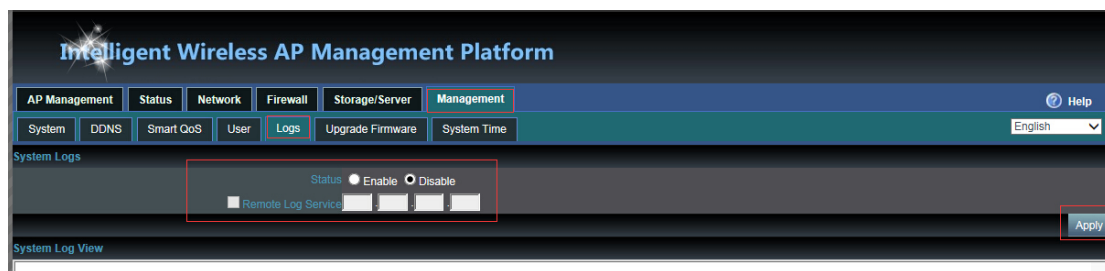
Password

Reset new log-in password

Confirm Password

Comparison to new password, to confirm user input password correctly in two times;

## 7.5 Device Log



Status

Enable or Disable to show system log

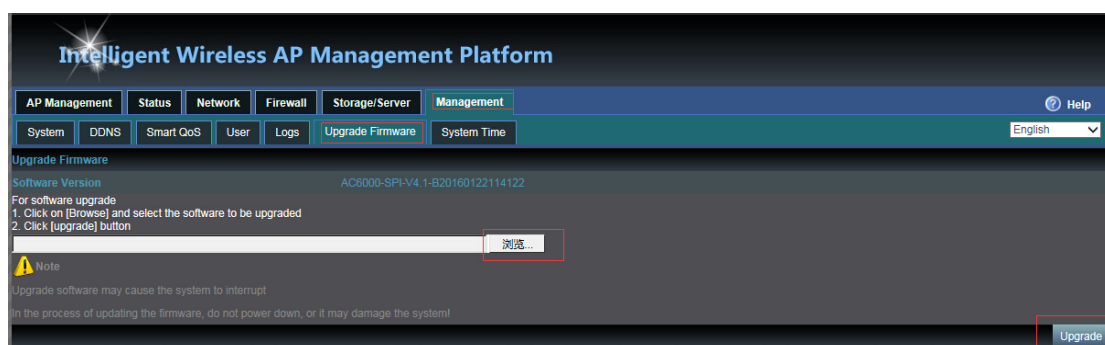
Remote Log Service

To decide whether send System log into some pointed remote server synchronously;

## 7.6 Upgrade Firmware

This feature allows the device firmware upgrade.

Noted:Upgrading software may cause system outage, In the process of upgrading the firmware, do not power off, otherwise it may damage the AC controller!



## 7.7 System Time

Synchronization with the host

Synchronization time with connected PC and router

Status

Enable or Disable NTP

NTP Server

Select the server time synchronization

Custom NTP Server

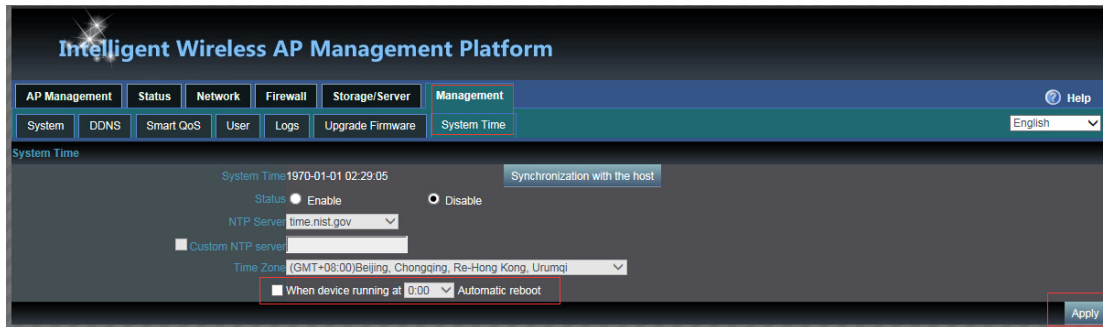
Setting user-defined synchronization server IP address

Time Zone

Setting the router's time zone

Pls note, System time can work under Gateway operation mode.

And user can set the automatic reboot of this AC controller in system time.



## Hardware Technical Data

Hardware Data	
Model	AC3000
QTY of manageable AP	Max: 100PCS
CPU	MT7621, 880MHz
FLAH	16M
DDR3	256M
Interface	510/100/1000M Gigabit RJ45 Port 1 Reset Button
Dimension	440mm x200 mm x 45mm
Power	100-240V ~ 50/60Hz
power consumption	< 5W
Weight	<2.5KGS
Working Temperature	-20℃ ~ 45℃
Working Humanity	10% ~ 90%RH (No condensation)
Storage Temperature	-30℃ ~ 70℃
Storage Humanity	5% ~ 90%RH (No condensation)

## **Note:**

**This device complies with Part 15 of the FCC Rules.**

**Operation is subject to the following two conditions:**

- (1) this device may not cause harmful interference, and**
- (2) this device must accept any interference received, including interference that may cause undesired operation.**

FCC (additional information)

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.