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# Newbridge WaveStation 3812

# Operational Manual

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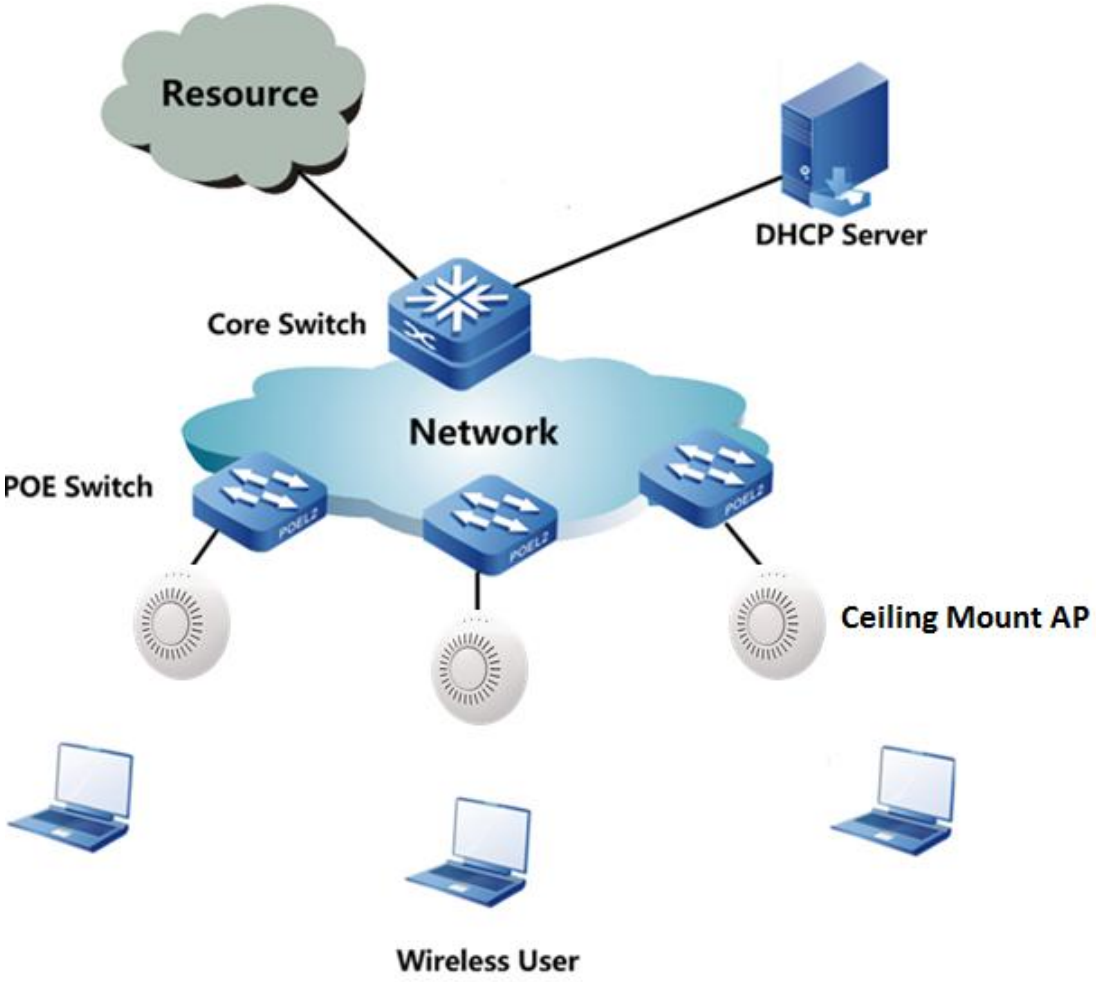
# Typical Deployment Guide

## 1 Typical Diagram




## 2 Components

DHCP Server: To allocate IP address for each wireless user

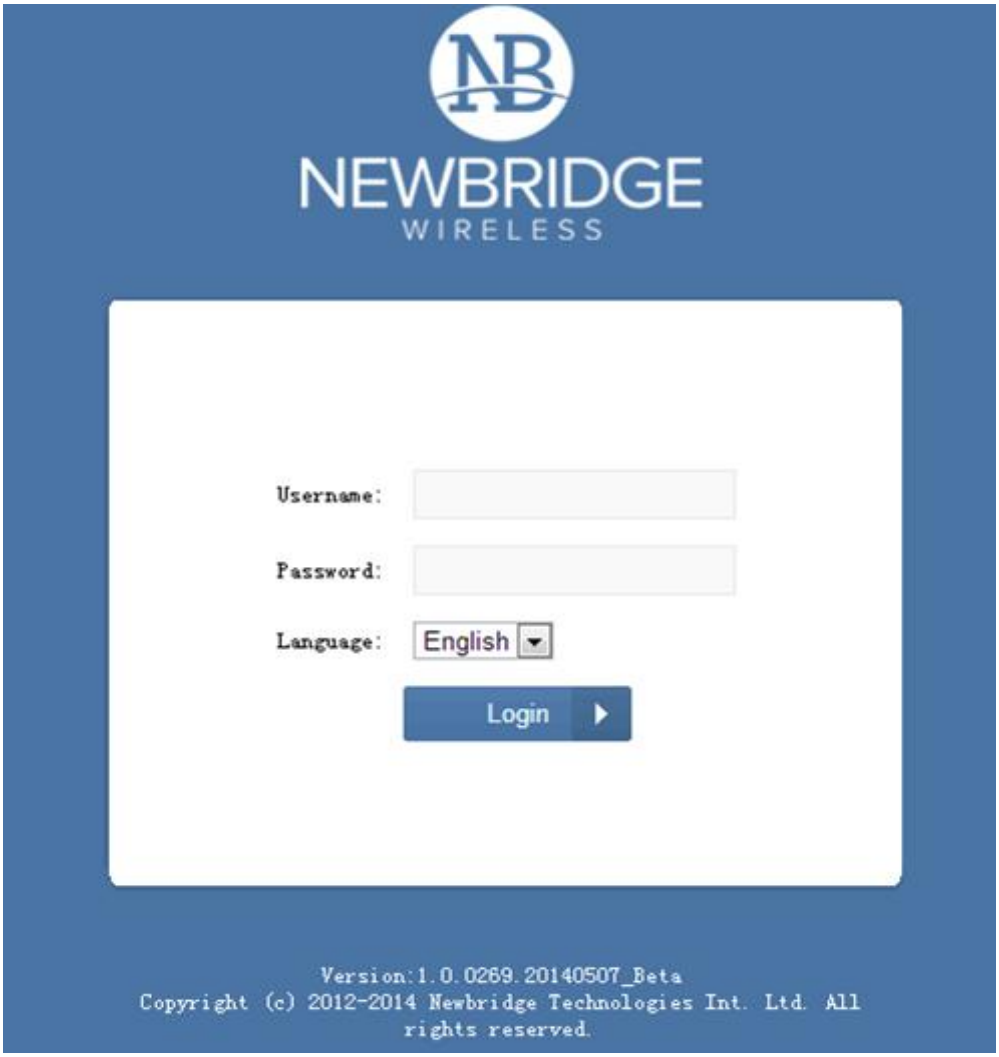
Core Switch: To forward traffic

POE Switch: To forward traffic and provide power supply to AP

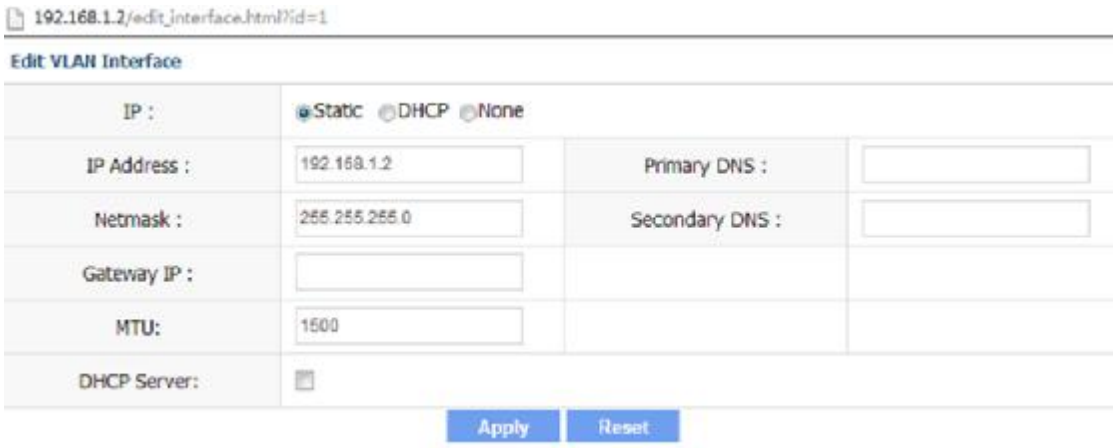
Ceiling Mount AP: To bridge wired and wireless network

## 3 Deployment Procedure

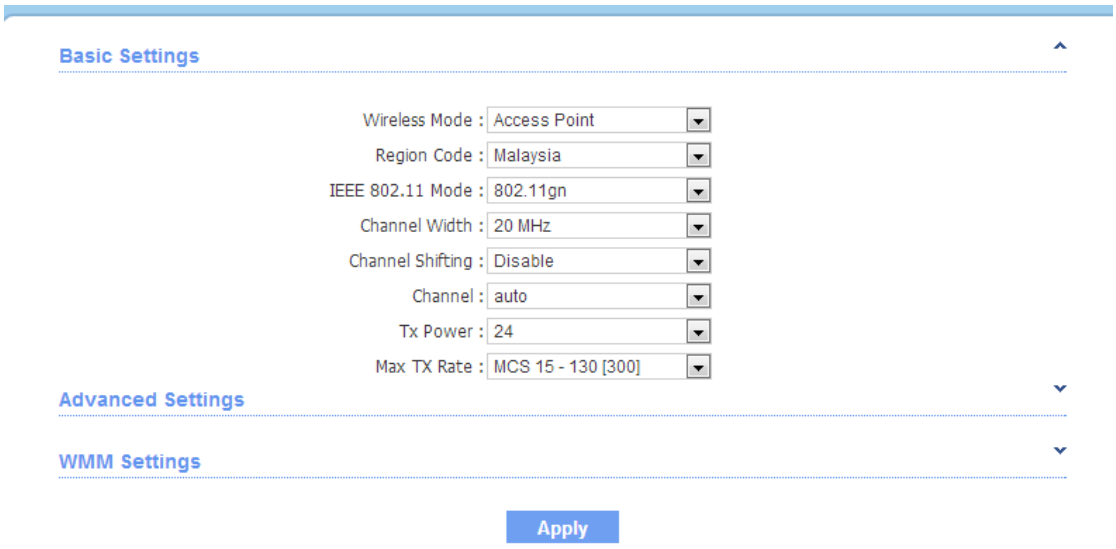
a. Login to AP web GUI,
Default IP address of AP is 192.168.1.2/24
Default user name and password are admin




b. The default IP address of AP is 192.168.1.2/24, to click the notepad icon under Edit column to change it




c. AP default running on 802.11 g/n modes, change the desire mode else let it default. Set the Region Code to the respective country.For example, Malaysia




d. Go to SSID menu


e. There's a default SSID "Newbridge" always there, you can just modify the "Newbridge" or choose to add a new SSID.

f. Override the default SSID to edit the SSID

g. Edit WLAN settings


| | |
|---|---|
| Wireless Availability: | Enable or disable SSID |
| Hide SSID: | Broadcast or not broadcast the SSID |
| SSID: | SSID name |
| VLAN: | VLAN ID that the SSID binded |
| Mac Filter: | Enable or disable Mac Filter |

**h. To support multiple SSID, the port of POE switch connected to in wall AP required to allow all vlans that binded to different SSID, as well as the port connected to DHCP server**

**i. Ensure the layer 2 connectivity between AP and switch**

**j. AP is plug and play so that just ensure it's powered by POE switch**

k. Go to WLAN Status and WLAN Clients menu to check their status

## Status

WIRELESS | NETWORK | SYSTEM

### Radio

| | | | |
|---|---|---|---|
| Wireless Mode : | Access Point | Radio Mode : | 11gn |
| Channel/Frequency : | 6 / 2437 | Tx Power : | 24 dBm |
| Channel Width : | 20 MHz | Tx Busy : | 2 |
| Region Code : | Malaysia | Rx Busy : | 21 |
| Max Rate : | 144.4 Mbps | Total Busy : | 24 |
| TDCA : | Disable | Spectral Mode : | Disable |

**Wireless1** [Up]

| | | | |
|---|---|---|---|
| SSID : | Newbridge | BSSID : | FC:AD:0F:00:80:B8 |
| Security : | NONE | Assoc Number : | 0 |

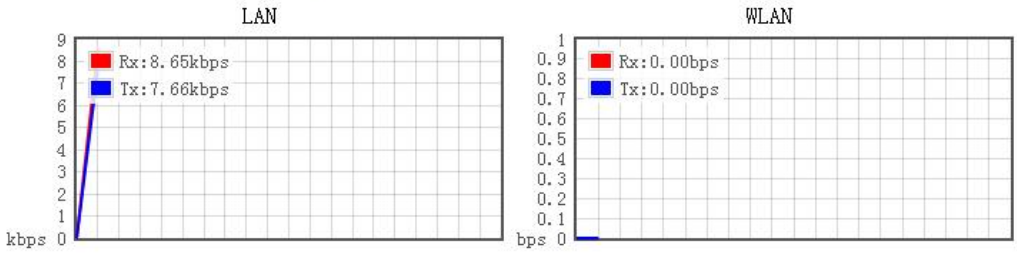
**Wireless2** [Down]

**Wireless3** [Down]

**Wireless4** [Down]

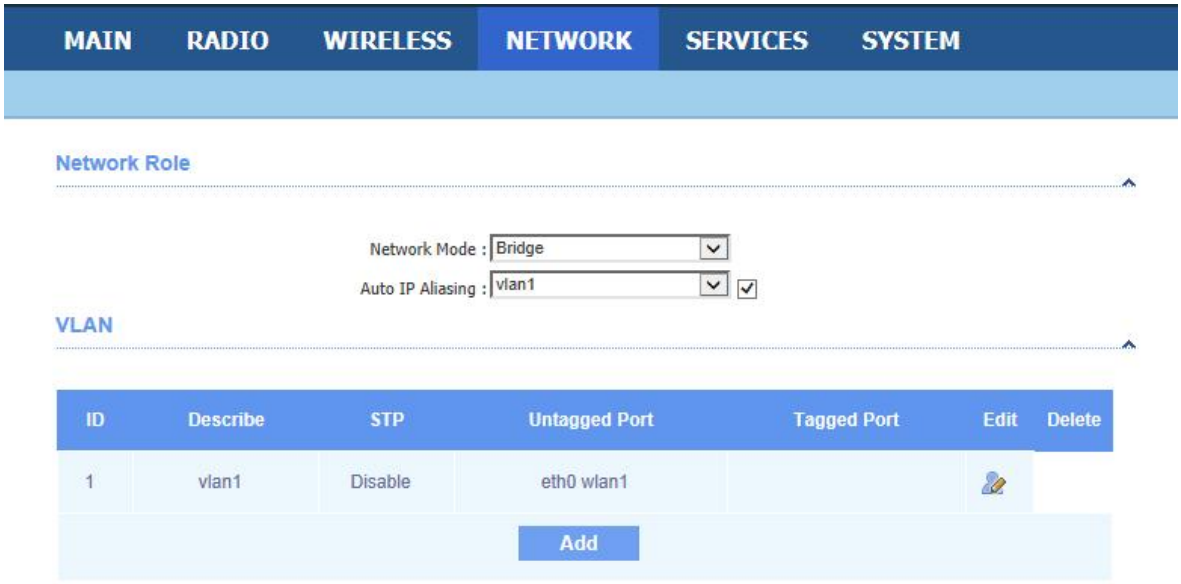
## Monitor

Throughput | Interfaces | ARP | STA Stats | Routes | Log



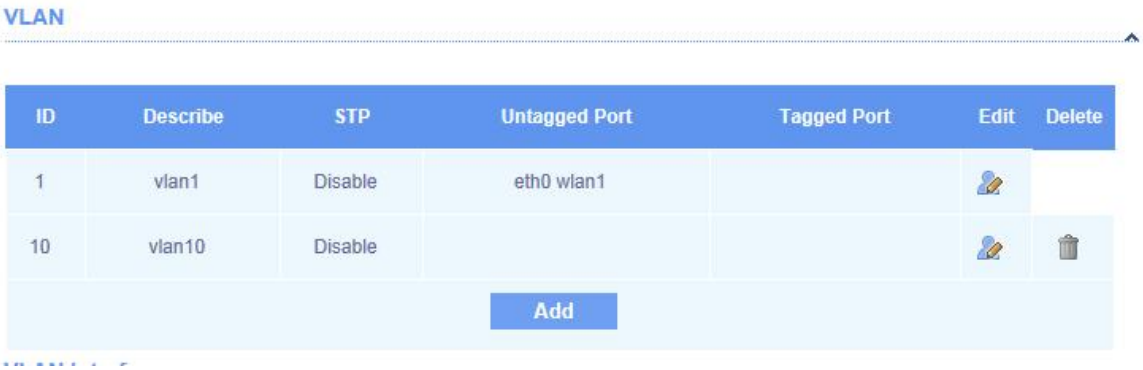
## 4 VLAN Configuration

a. Go to Network and VLAN Menu and Click Add Button

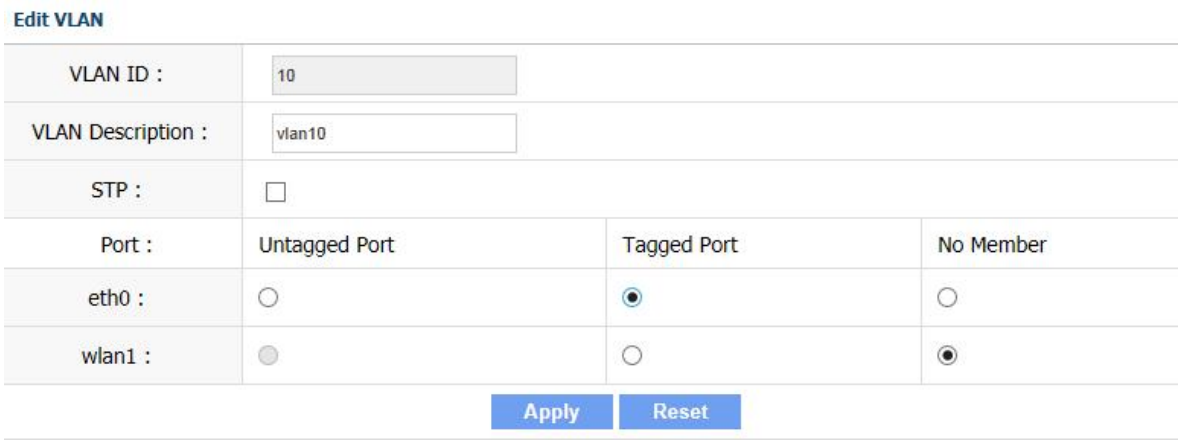



b. Define the VLAN ID and click Apply button

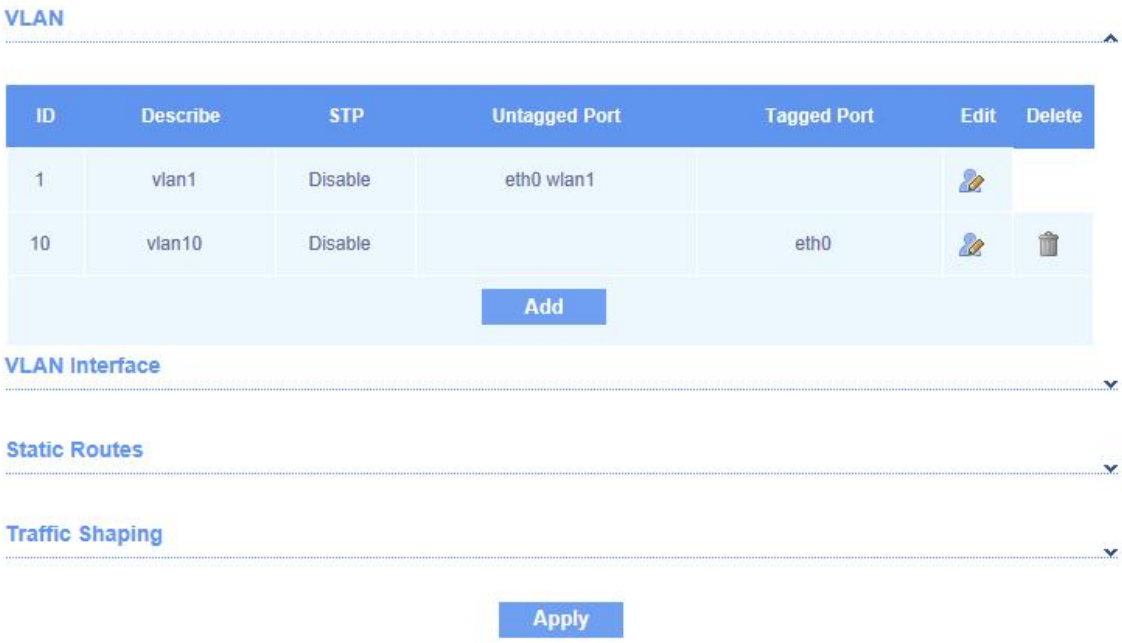

c. Click Edit on the VLAN ID 10



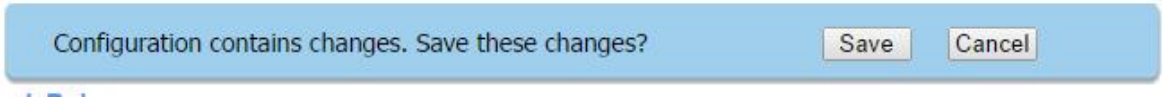
d. Assign port et0 VLAN 10 and click Apply button



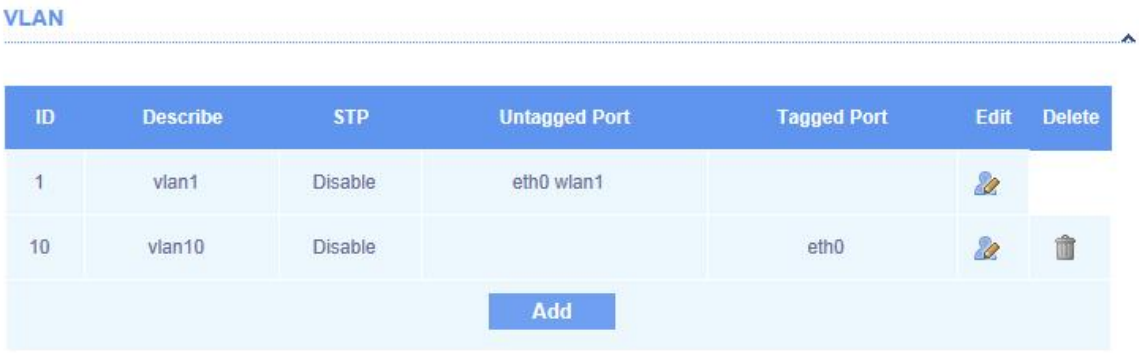

e. Click Apply button




f. Click Save button to activate the changes

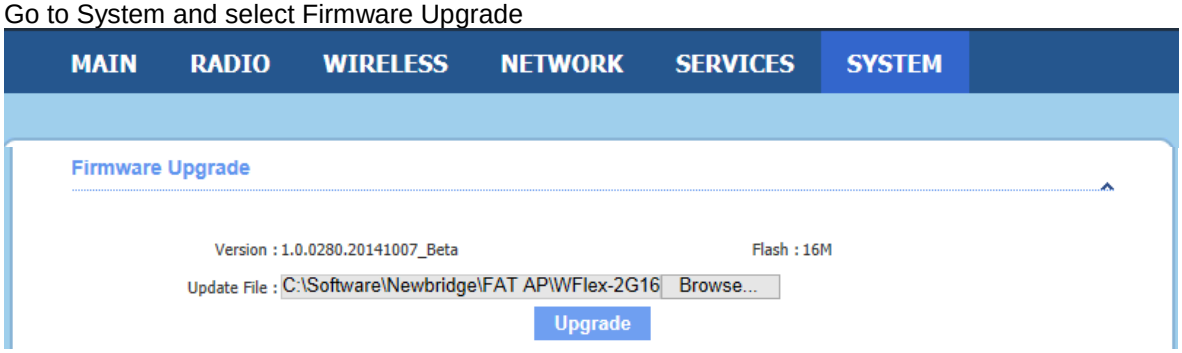



g. From the VLAN table, port eth0 belongs to VLAN 10

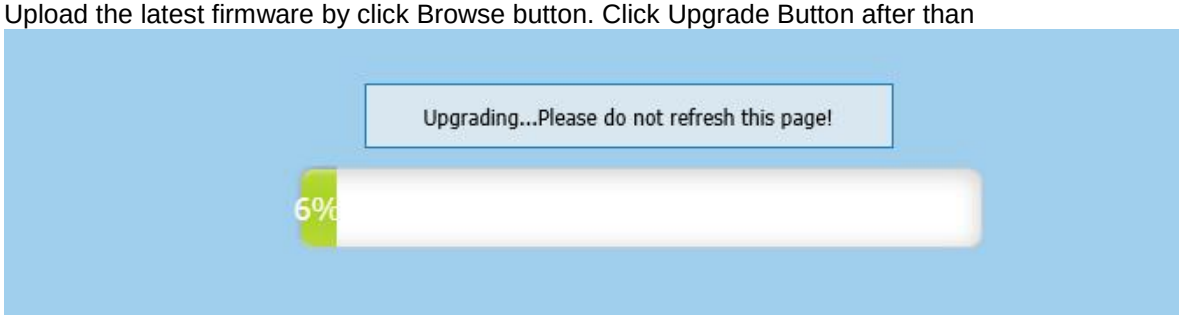


## 5 Firmware Upgrade

a. Go to System and select Firmware Upgrade




b. Upload the latest firmware by click Browse button. Click Upgrade Button after than




c. Wait for the progress until 100%. It will auto back to the default login page. Please notice firmware version highlighted inside the Red box.

**FCC Caution：**

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.

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

**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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.