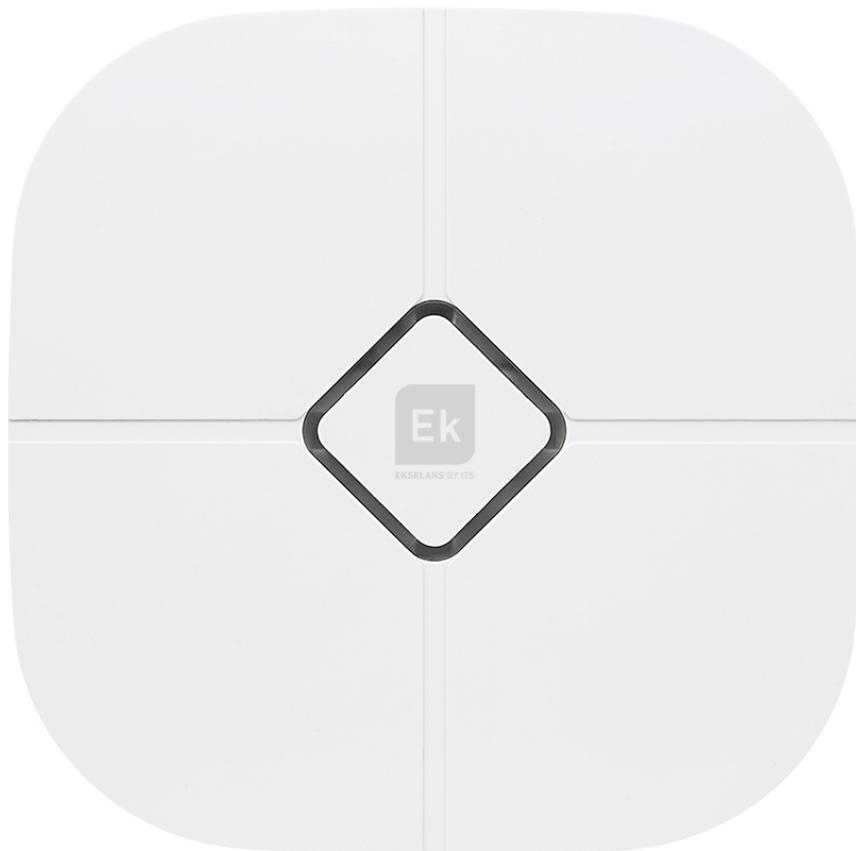


# AP 750

## 330002

# Wireless Access Point



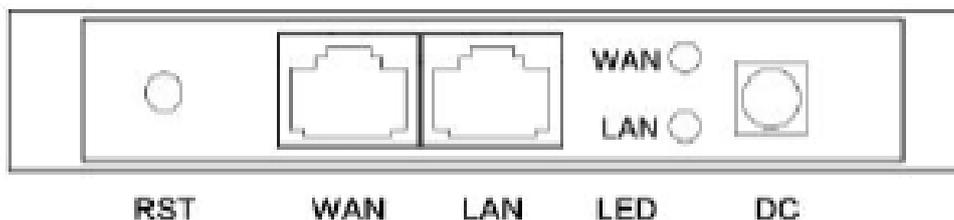
## User manual



# Index

AP 750 Hardware interface .....	3
Installation diagram .....	3
Connect to AP 750 .....	4
AP 750 Web interface .....	5
Advanced Settings .....	10

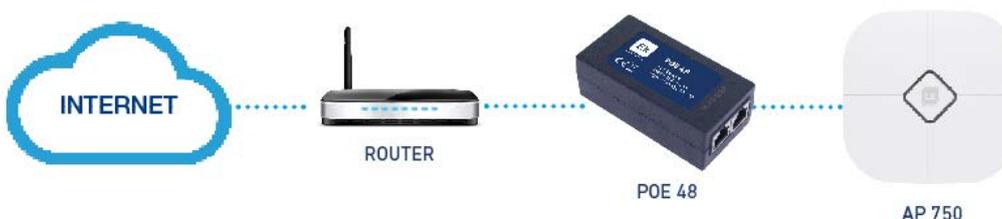
# AP 750 Hardware interface



- **RST:** Reset Button, it make AP revert to default data after press it 15 seconds.
- **WAN:** WAN Port, connect with ADSL modem or Internet mainly. It will be LAN port under Wireless AP and Wireless Repeater operation mode.
- **LAN:** LAN Port to end users.
- **LED:** LED indicator of WAN port and LAN port.
- **DC:** DC power connector.

## Installation diagram

### 1. PoE Injector Power Supply



### 2. Powered by PoE Switch

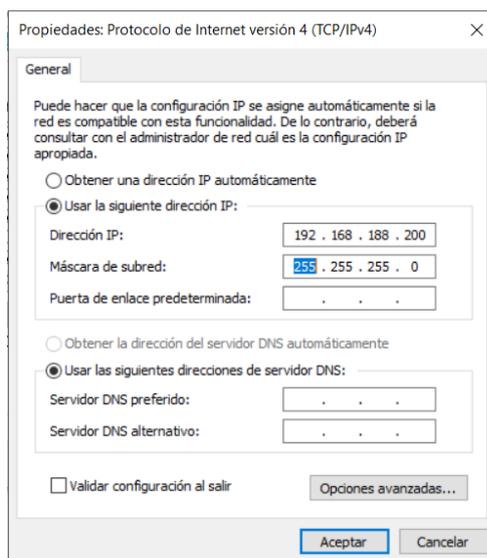


# Connect to AP 750

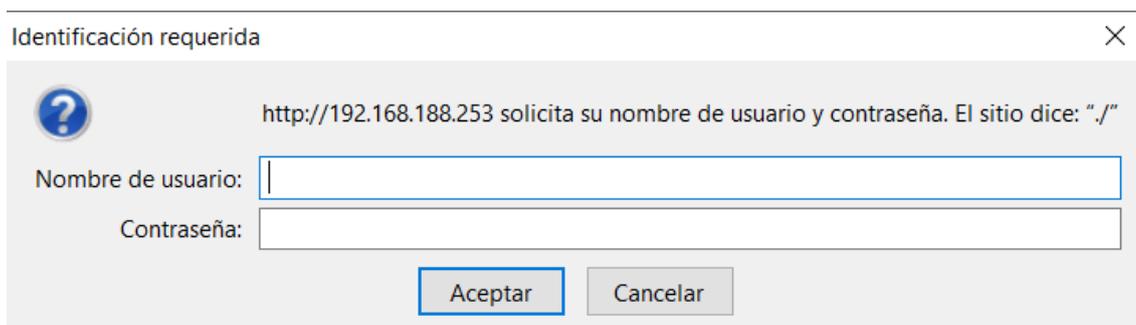
**Note: The default SSID is Ek\_2.4G with password 12345678**

To connect to **AP 750** please follow these steps:

1. Connect to **AP 750** with Ethernet cable or wireless.
2. Set our Ethernet / Wireless adapter with Static IP:



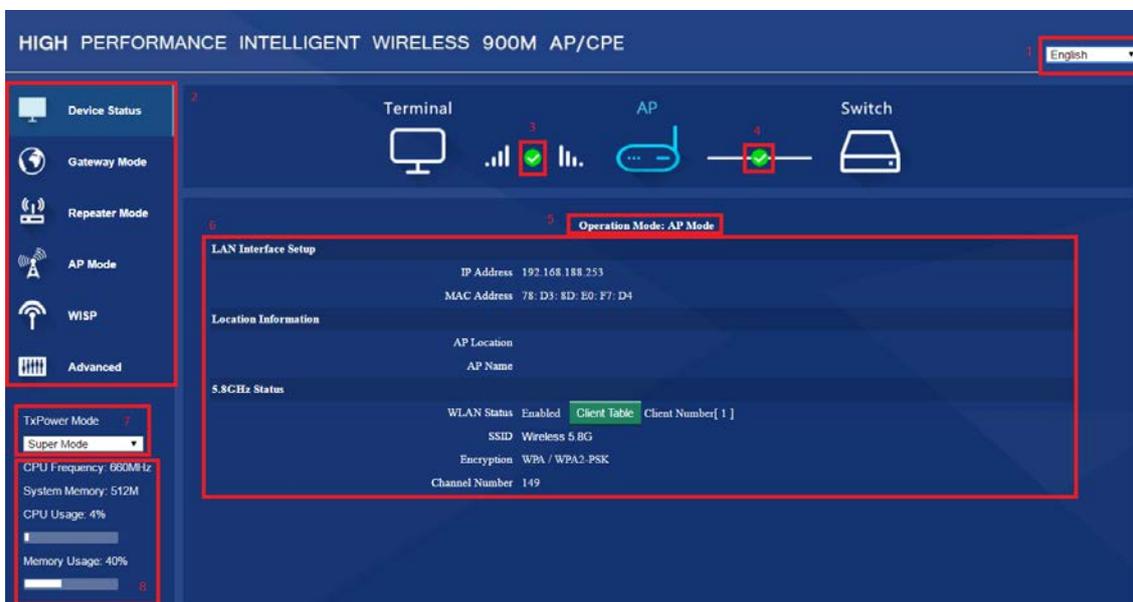
3. Open a Web browser and navigate to the URL: <http://192.168.188.253>



4. To enter use the user and password: **admin**

# AP 750 Web interface

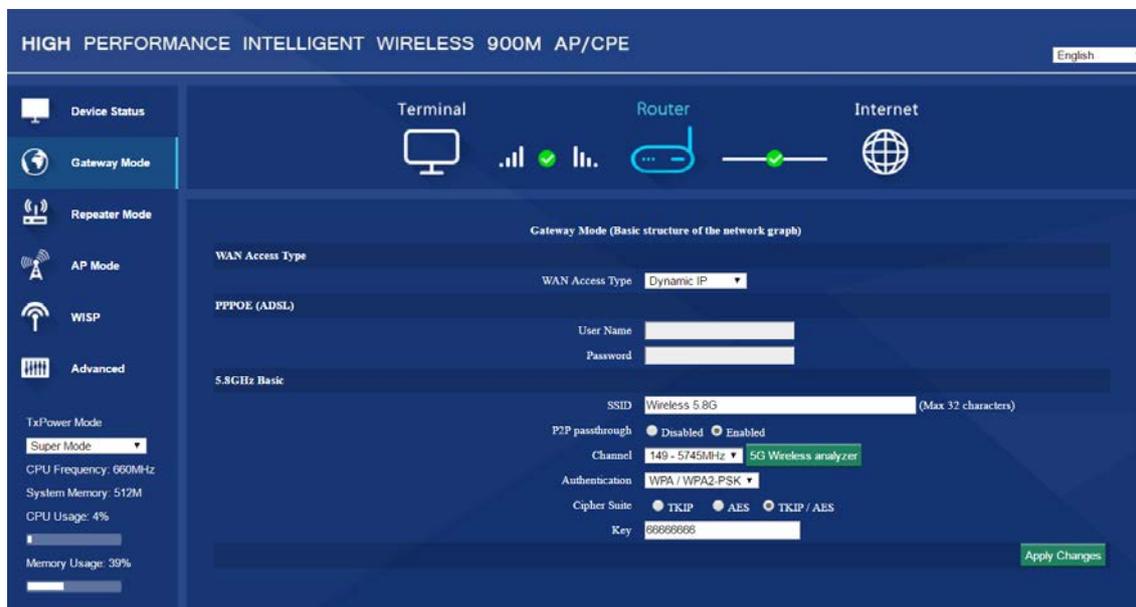
After entering, the password will appear the main interface



1. Language Selector can be English / Spanish.
2. Displays the Menu.
3. Displays if the user connection to the device is good or bad.
4. Displays if the device connection to the external network is good or bad.
5. Displays the Operational mode (AP Mode, Gateway Mode and Repeater).
6. Displays brief information about the AP status such as LAN IP, Location information and the Wireless status.
7. TxPower Mode Selector:
8. Displays the CPU Usage and Memory of the device.

## Gateway Mode

Gateway Mode allows the AP 750 to operate as router. By applying the changes it will switch to Gateway Mode.

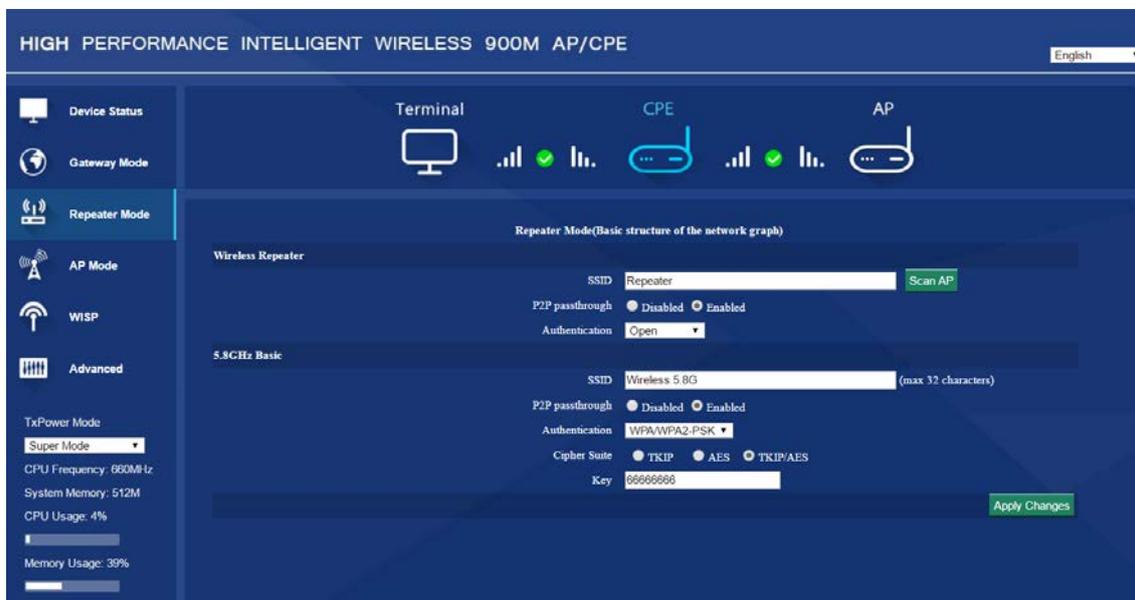


- WAN Access Type: Dynamic IP / Fixed IP.
- PPPoE: Input the user name and password if PPPoE is needed.
- SSID: Name of the wireless.
- P2P passthrough: Enable / Disable P2P.
- Channel: The channel that Wireless will use.
- Authentication: Select the encryption wanted for the wireless SSID.
- Cipher Suite: Select the cipher wanted for the wireless SSID.
- Key: The password for the SSID

After filling the above value as we want, we can press “Apply Changes” to switch to Gateway mode.

## Repeater Mode

Repeater Mode allows the AP 750 to operate as router. By applying the changes it will switch to Repeater Mode.



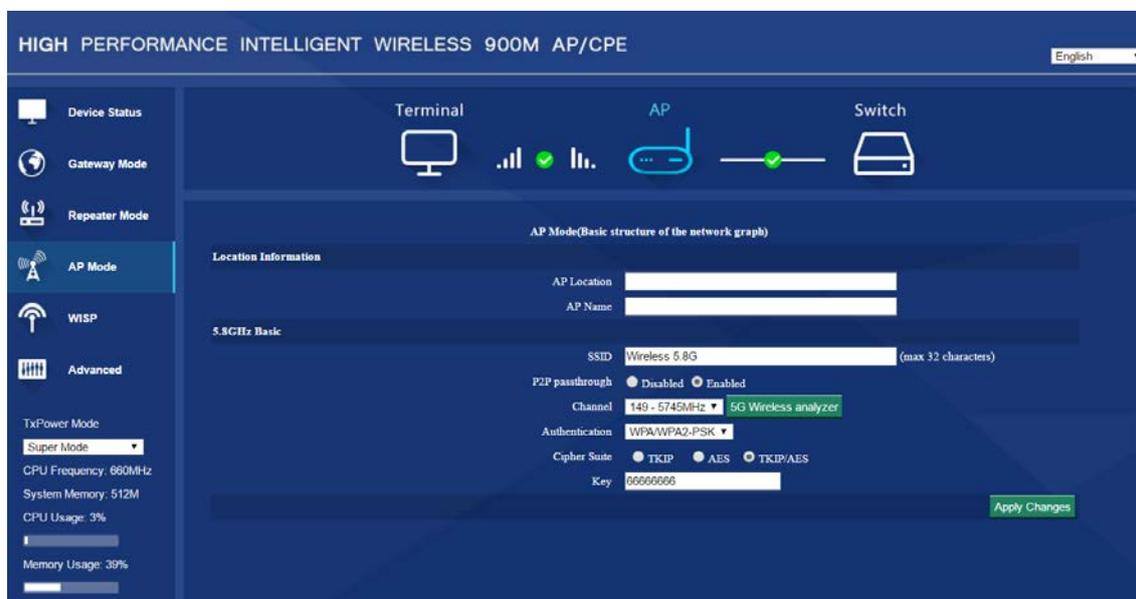
Pressing Scan AP will open a screen that will allow you to select the SSID you want to connect and will fill the Wireless Repeater Values.

- **SSID:** Name of the wireless.
- **P2P passthrough:** Enable / Disable P2P.
- **Authentication:** Select the encryption wanted for the wireless SSID.
- **Cipher Suite:** Select the cipher wanted for the wireless SSID.
- **Key:** The password for the SSID

After filling the above value as we want, we can press “Apply Changes” to switch to Repeater mode.

## AP Mode

AP Mode allows the AP 750 to operate as router in bridge mode. By applying the changes it will switch to AP Mode.



- WAN Access Type: Dynamic IP / Fixed IP.
- PPPoE: Input the user name and password if PPPoE is needed.
- SSID: Name of the wireless.
- P2P passthrough: Enable / Disable P2P.
- Channel: The channel that Wireless will use.
- Authentication: Select the encryption wanted for the wireless SSID.
- Cipher Suite: Select the cipher wanted for the wireless SSID.
- Key: The password for the SSID

After filling the above value as we want, we can press “Apply Changes” to switch to Gateway mode.

## WISP Mode

WISP Mode allows the AP 750 to operate connect to ISP Wireless and operate as router. By applying the changes it will switch to WISP Mode.



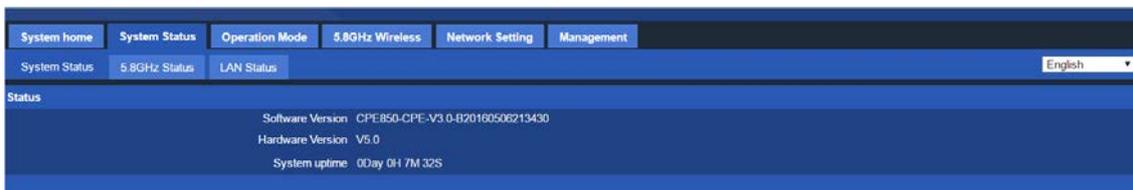
- WAN Access Type: Dynamic IP / Fixed IP.
- PPPoE: Input the user name and password if PPPoE is needed.
- SSID: Name of the wireless.
- P2P passthrough: Enable / Disable P2P.
- Channel: The channel that Wireless will use.
- Authentication: Select the encryption wanted for the wireless SSID.
- Cipher Suite: Select the cipher wanted for the wireless SSID.
- Key: The password for the SSID

After filling the above value as we want, we can press “Apply Changes” to switch to Gateway mode.

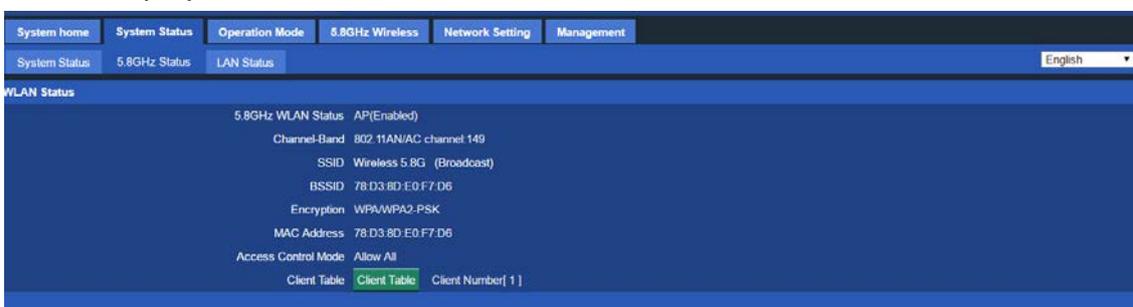
# Advanced settings

## System Status

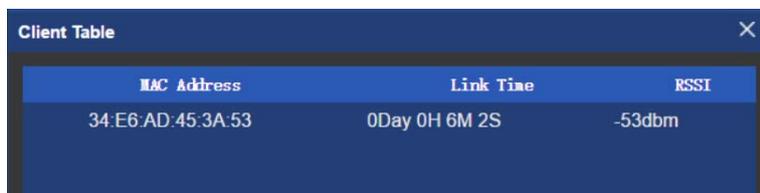
- **Status:** This tab displays the information regarding Software Version, Hardware Version and the time that the device is online.



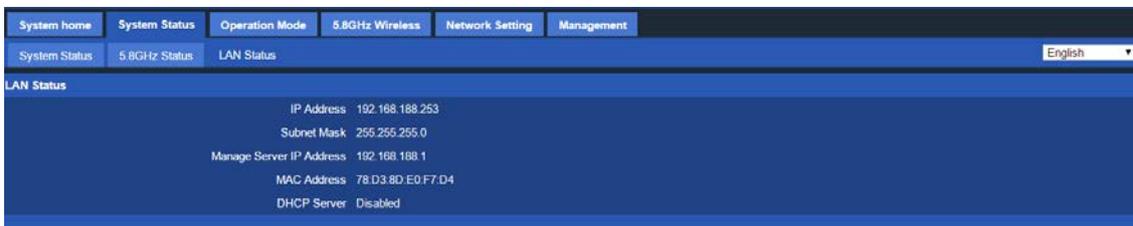
- **5.8GHz Status:** Shows the current configuration for the Wireless, it also displays the connected users.



Client Table button will show a pop up window showing the connected clients.

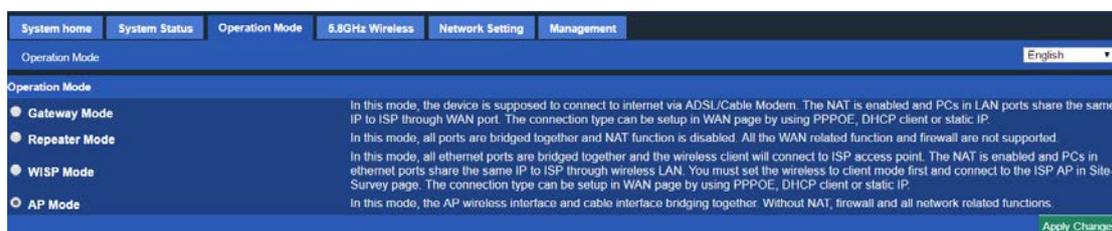


- **LAN Status:** Displays the current configuration for the LAN interface of the device. It also shows the configuration for the DHCP.



## Operation Mode

This tab is used to configure the AP Mode.

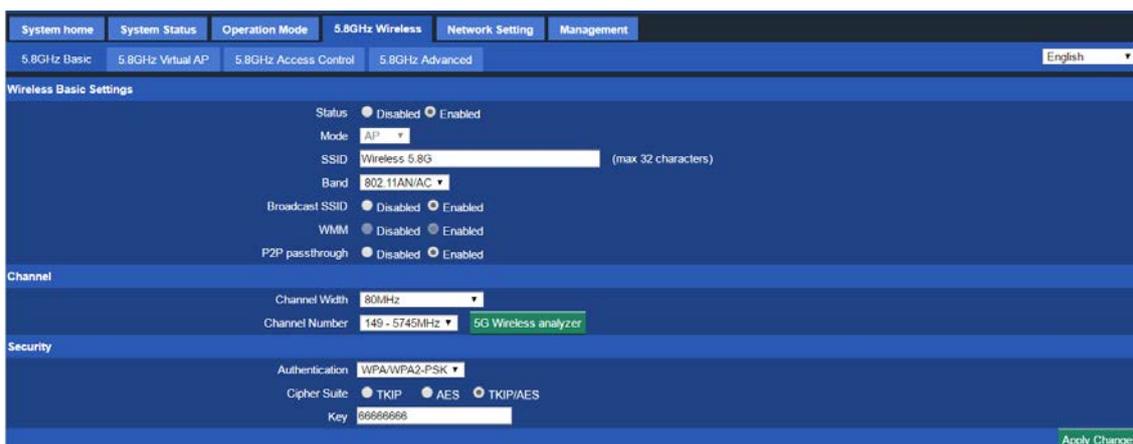


- **Gateway Mode:** Connect to the ISP through WAN, the AP will operate as Router.
- **Repeater Mode:** Connect to a Wireless and repeat it. The AP will operate as bridge mode.
- **WISP Mode:** Connect to ISP Wireless. The AP will operate as router.
- **AP Mode:** The AP operates as bridge mode.

## Wireless 2.4 GHz and 5.8 GHz

NOTE: The pictures below are for 5.8GHz Wireless. The options for 5.8GHz are the same as for 2.4G.

This tab is used to configure all the Wireless basic settings.



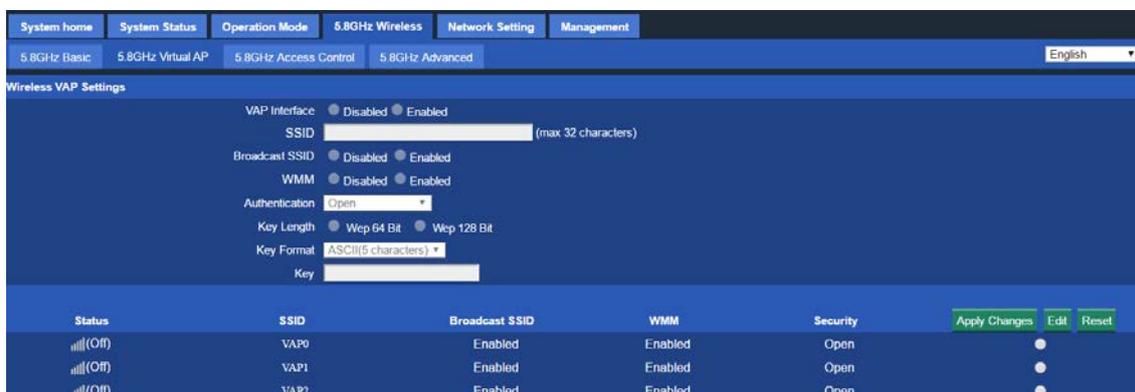
- Status: Disabled / Enabled.
- SSID: Name of the Wireless.
- Band: Use N or AC or N/AC.
- Broadcast SSID: Enable - Show SSID, Disable – Hide SSID,
- WMM: Enable or Disable WMM.
- P2P passthrough: Enable / Disable P2P.
- Channel Width: The width that Wireless will use 20MHz, 40MHz or 80MHz.
- Channel Number: The channel that Wireless will use.
- Authentication: Select the authentication wanted for the wireless SSID.
- Cipher Suite: Select TKIP / AES or both.
- Key: The password for the SSID.

Wireless Analyzer will show open a window displaying all the SSID with its channel so you can properly select a channel for your SSID.

Press apply to save the changes.

## Virtual AP

In this tab we can create up to 3 more SSID, each Virtual AP 1 is a new SSID.



Status	SSID	Broadcast SSID	WMM	Security	Apply Changes	Edit	Reset
(Off)	VAP0	Enabled	Enabled	Open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Off)	VAP1	Enabled	Enabled	Open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Off)	VAP2	Enabled	Enabled	Open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Select the Virtual AP you want to change and then press Edit button.

- VAP Interface: Disabled / Enabled.
- SSID: Name of the Wireless.
- Broadcast SSID: Enable - Show SSID, Disable – Hide SSID,
- WMM: Enable or Disable WMM.
- Authentication: Select the authentication wanted for the wireless SSID.
- Cipher Suite: Select TKIP / AES or both.
- Key: The password for the SSID.

Press apply to save the changes.

## Access Control

The access control limits the devices that can connect to AP 300. We can set the access control to:

- **MAC Access All:** In this mode all the devices can connect to AP 300.
- **Allow Listed:** In this mode the all the MAC address on the Access Control List can access the AP 300.
- **Deny Listed:** In this mode all the MAC address on the Access Control List can't access the AP 300.



- **Association STA list:** In this list will appear the already connected MAC to the device. You can select them and press import to move them to the Access Control List.

How to add MAC to the list:

1. Pick Allow Listed or Deny Listed
2. Input the MAC
3. Press Add
4. The added MAC will go to the Access Control List
5. Press Apply

## Advanced Settings

This tab is used to configure all the Wireless advanced settings.



The screenshot displays the '5.8GHz Wireless' configuration page, specifically the '5.8GHz Advanced' tab. The settings are as follows:

- Country Region: CN (Channel(36-64),(149-165))
- Fragment Threshold: 2346 (256-2346)
- RTS Threshold: 2347 (0-2347)
- Ack Timeout Control: 0 (0-255)us
- Beacon Interval: 100 (100-1000)ms
- Max Client: 64 (Range 0-64 0 No limit)
- Coverage Threshold: -90 (-65dBm~-90dBm)
- Preamble Type:  Long Preamble,  Short Preamble
- Aggregation:  Disabled,  Enabled
- Short GI:  Disabled,  Enabled
- WLAN Partition:  Disabled,  Enabled
- RF Output Power:  100%,  75%,  50%,  25%,  12.5%

- **Country Region:** Select the region
- **RTS Threshold:** Lower this value if you have problems with electromagnetic interference or overload of traffic on a network.
- **Ack Timeout control:** Interval for the ACK, the device is waiting to get the ACK response from the device. Too long time might reduce a bit the bandwidth.
- **Beacon interval:** The time interval for the beacon. The beacon time is a packet sent to the client device to notify if the device is on. Reducing this time will send more packets making the net a bit slower. Too high value will make the device disconnect more often.
- **MAX User:** Set the max client numbers that can connect to the device
- **Aggregation:** Allows a higher throughput
- **Short GI:** Help improve the throughput, use it only for N mode if used mixed mode please disable.
- **WLAN Partition:** ON: The users cannot see each other in the network.
- **RF Output Power:** Control the wireless output power. This affects the coverage range.

# Network

## LAN Settings

In case that the AP works as Router, in this tab we can selected the IP for the AP and the DHCP range.



The screenshot shows the 'LAN Interface Setup' configuration page. The 'Access Type' is set to 'Fixed IP'. The IP Address is 192.168.188.253, Subnet Mask is 255.255.255.0, and Management Server IP is 192.168.188.1. The DHCP Server is set to 'Enabled'. The DHCP Client Range is 192.168.188.2 - 192.168.188.252, and the Lease Time is 86400 seconds.

Access Type	Fixed IP						
IP Address	192	168	188	253			
Subnet Mask	255	255	255	0			
Management Server IP	192	168	188	1			
DHCP Server	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled						
DHCP Client Range	192	168	188	2 - 192	168	188	252
Lease Time(sec)	86400 (300-86400)						

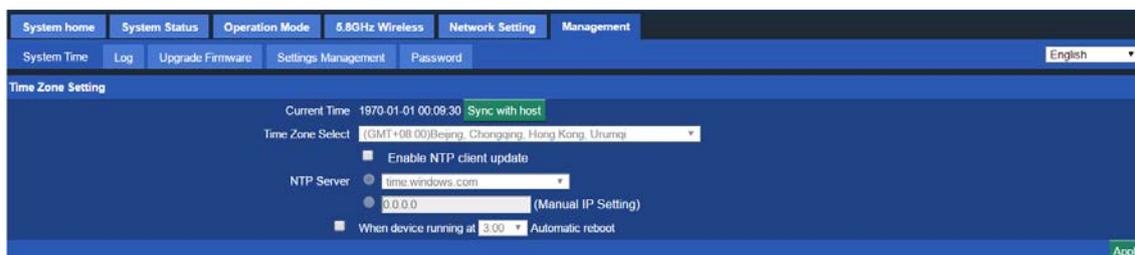
[Apply Changes](#)

# Management

## System Time

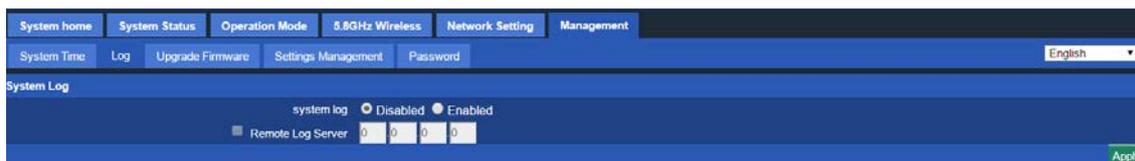
Manage the device timezone.

Auto restart function enables the device to be rebooted at the setup time.



## Log

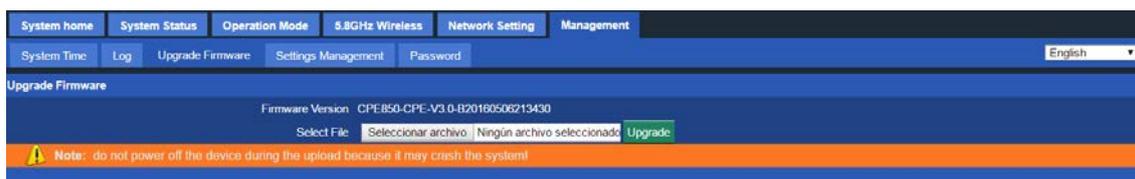
This tab will display all the logs related to the device.



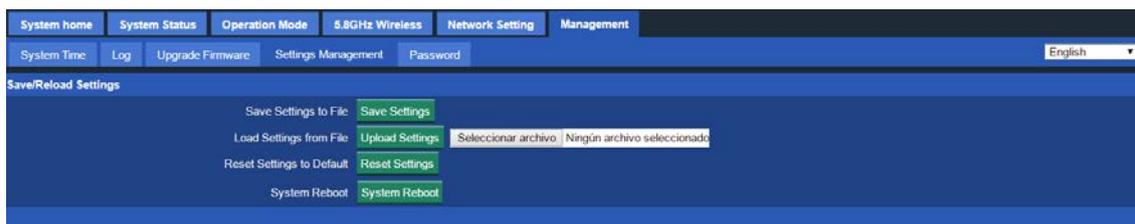
- System Log: Enable to register the logs to a remote server.
- IP: Set the IP where the logs will be saved.

## Upgrade firmware

Select the new firmware version file and press “Upgrade” to upgrade the device firmware.



# System Management



- **Save Settings to File:** Will save to disk the device configuration.
- **Load Settings from File:** Select the saved configuration to be imported on the device.
- **Reset Settings to Default:** Restore all the device values to default.
- **System Reboot:** Reboot the device.

## Password

Change the default admin password for the device.



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