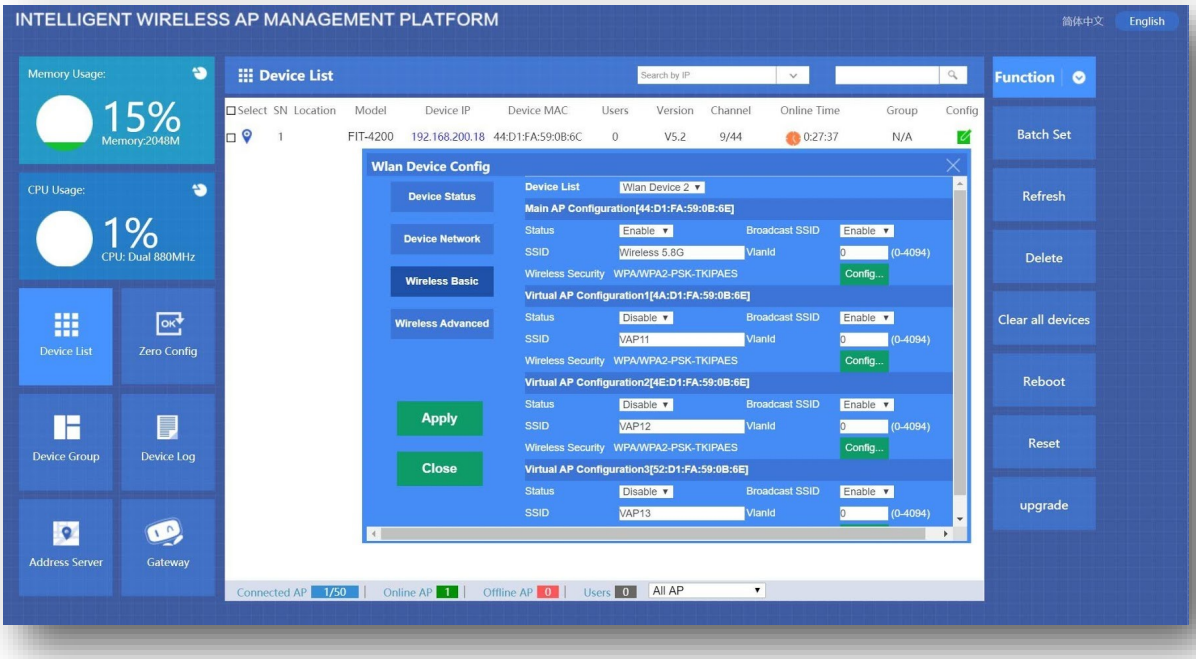
Ensure your Access Point is in AP MODE

Set-up Guide Gigabit WLAN AC Controller

The ProWiFi controller is a Gigabit High performance WLAN AC controller with AC gateway and authentication functions to help easily manage the ProWiFI range of In-Wall, ceiling and CPE range of Wireless Access points.

Ideal for larger environments such as hotels, schools, shopping centers and restaurants.



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PROception WiFi

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Multi-Wan Gigabit High speed WLAN AC controller

1x Gigabit WAN port, 4X Gigabit LAN ports for high speed transfer.

Auto detect & manage up to 32 Access points and up to 80 users

Auto detect all access points (Must be in FAT mode) to configure and manage easliy , all plug and play.

Efficient Internet surfing with network optimization.

- Support for seamless wireless roaming and auto Wi-Fi channel analysis.
- Access point RF power control is adjustable via the interface to reduce interference and manage more efficient roaming for improved wireless network connectivity.
- Supports removal of weak signal Access points. Smart recognition and the ability to automatically delete or disable the AP with a low (customizable) signal level.
- Supports load balancing, based on the number of users connected.
- The controller can allocate users to different Access points based on the policies configured. Supports AC and AP in layer 2 and layer 3 networks AC across NAT to remote manage all wireless Access points.

Supports multiple Authentication methods.

- Wechat Auth:- Input Wechat ID and password
- Onekey:- No authorization, simple click Onekey auth button .
- SMS Auth :- Works with SMS gateway , receive authorization code by text message!
- Member auth:- By Excel sheet or radius server.
- Facebook:- Binding with Facebooks identification.
- Google:- Input Google ID and password.

Multi Security Defense Modes

- Broadcast storm suppression.
- DHCP defense.
- ARP defense.
- MAC filter defense.

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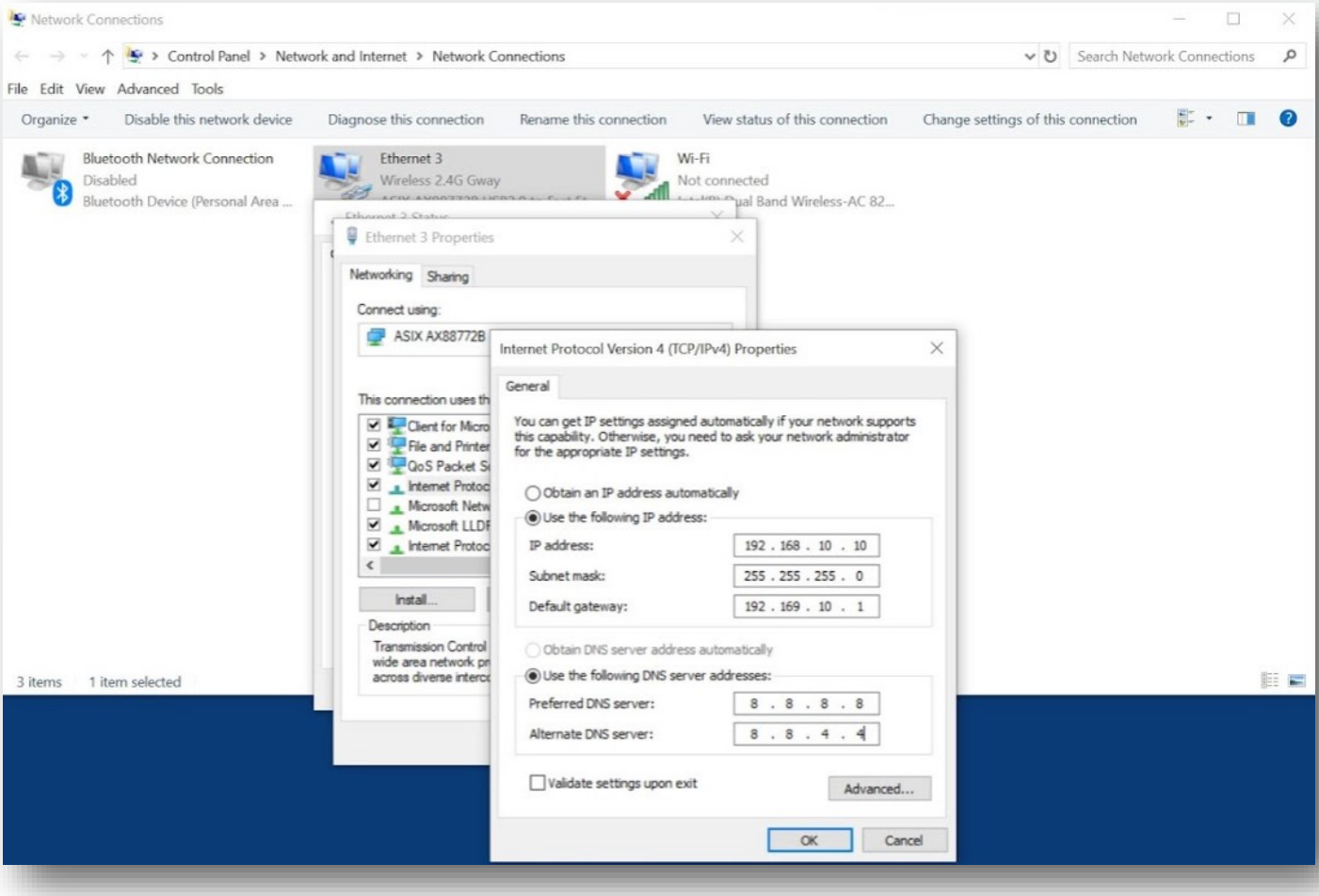
Connecting to the gateway

Change your IP on device to static with these settings
IP address 192.168.10.10
Subnet mask 255.255.255.0
Default gateway 192.168.10.1.

Connect to the Gateway login on your browser by typing 192.168.10.1

Username is admin
Password is admin



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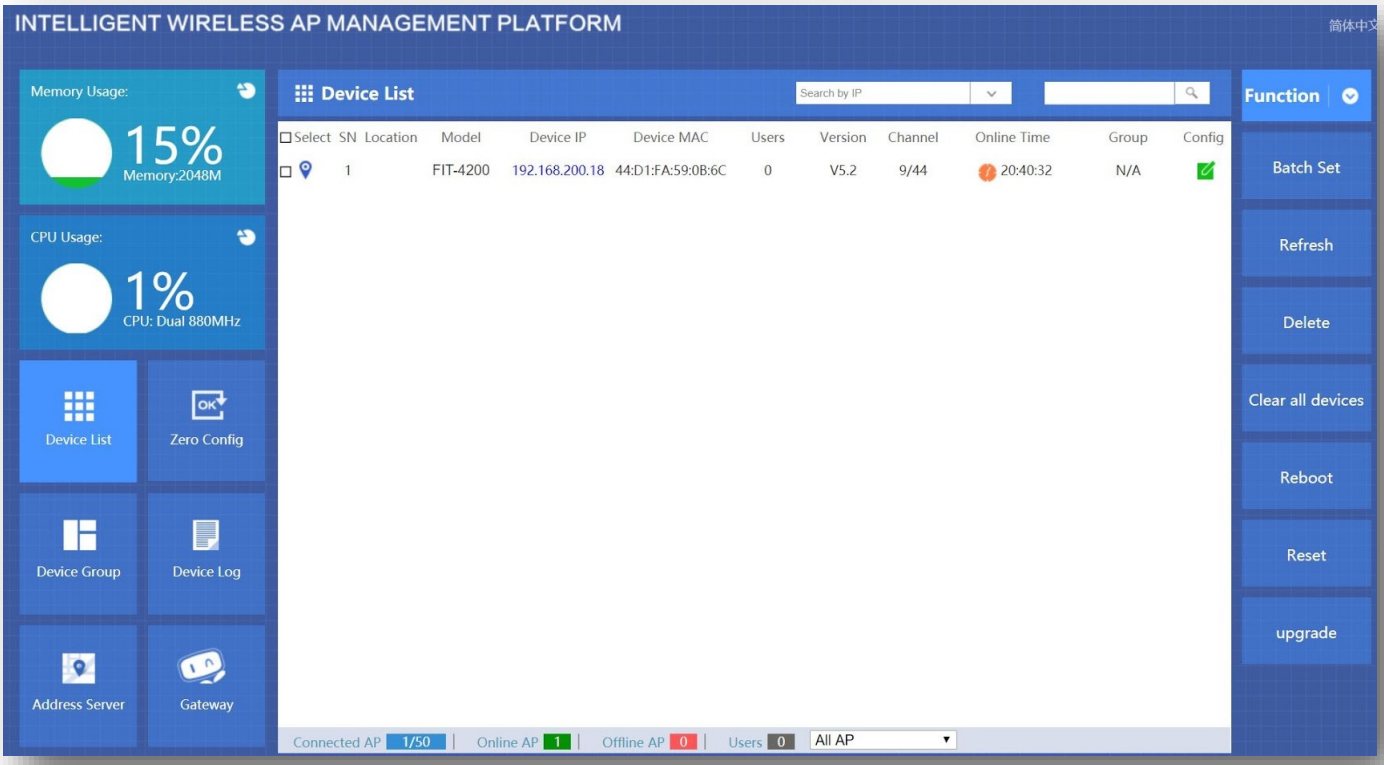
Unsure that all of the Access points you wish to connect to the gate way are set as below.

1. in AP mode (Default mode is Gateway!)
2. In FAT AP mode (Default)
3. Get IP from AC selected (Default mode is get IP from AP)

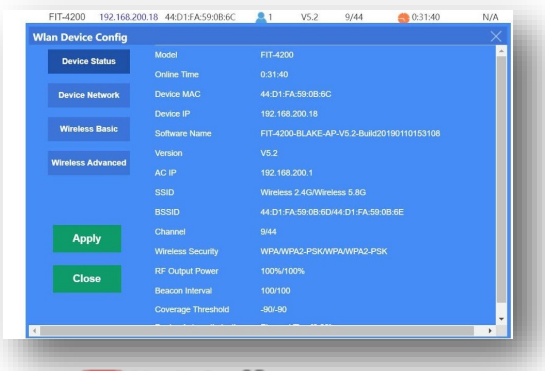


Plug the access point into the Gateway (once the settings have been used as above)

After 1 minutes you will see the Access point you plugged in appear.
(You may have to refresh the screen to see the AP appear in the device list)

By clicking the Device IP (in blue) you can access the AP directly (login with default password of admin)

Click the green square to access the WLAN Device Configuration screen.



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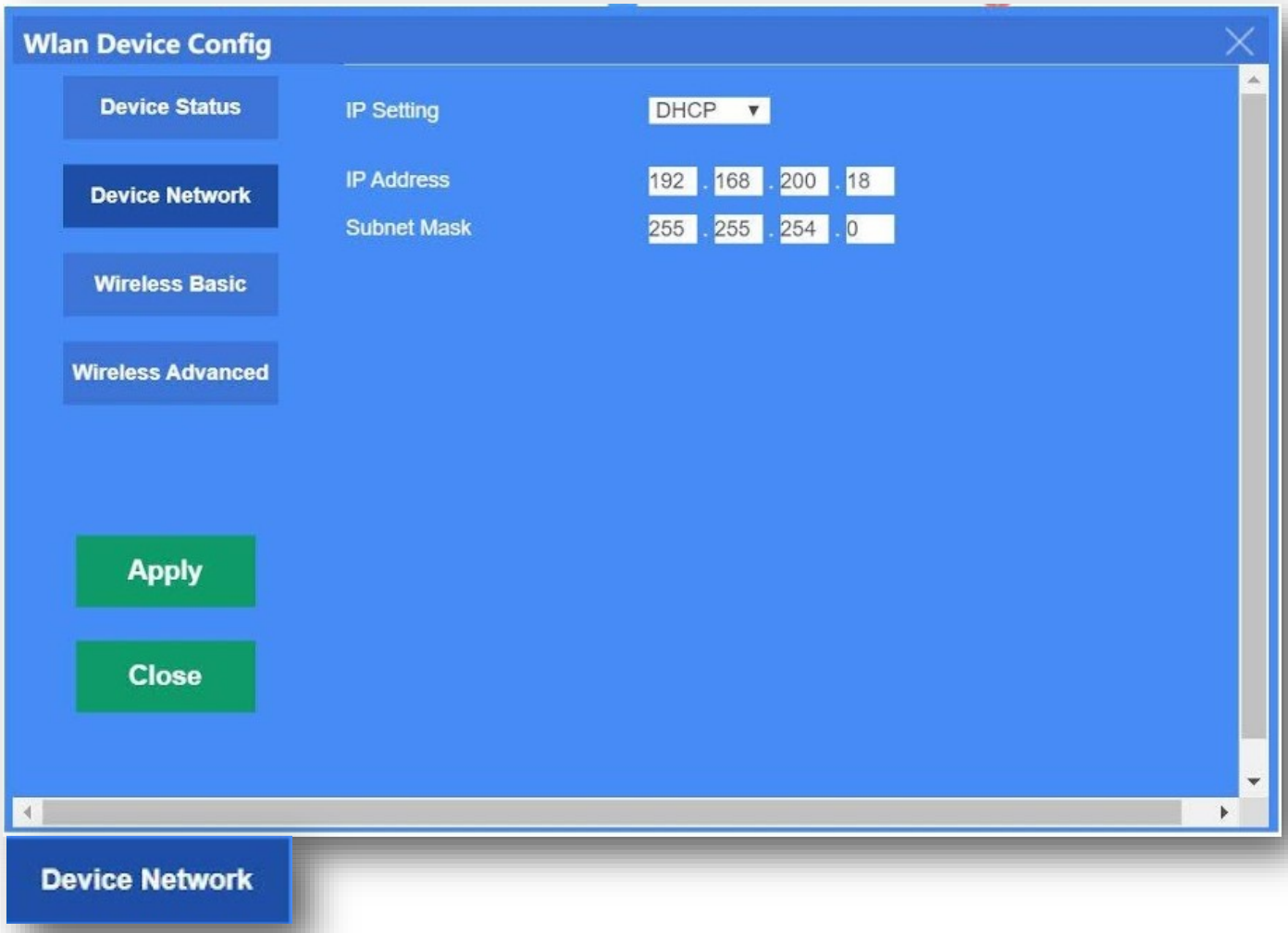

Device Network

Device network is the era where you enter the IP allocation method to all of the AP that are connected to the gateway, DHCP (IP is automatically allocated by the Gateway) or Static (IP is set by the user and not allocated automatically)
The IP set can be seen in the device list screen under Device IP
Default is DHCP with IP 192.168.200.18 and Subnet Mask of 255.255.254.0

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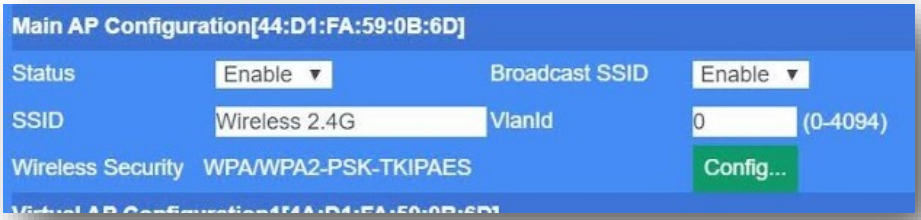
Wireless Basic

In wireless basic you can configure the AP connected to the gateway.

In the device list drop down box Wlan Device 1 is 2.4G and the Wlan Device 2 is 5G.



The Config button allows you to define:-

The security protocol (Default is WPAPSK/WPA2PSK)

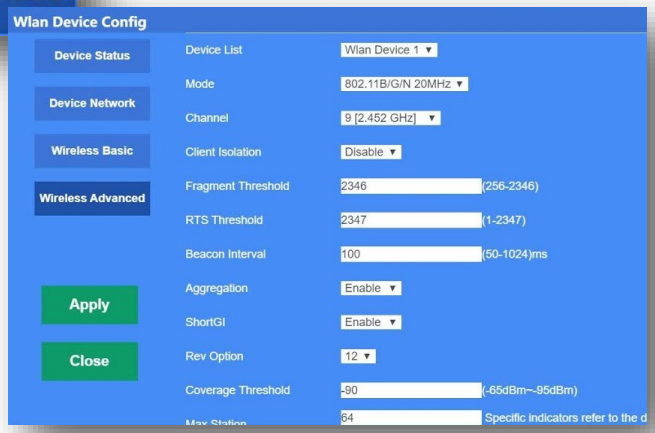
The Key Length (Default WEP64 Bit)

The Password (Key) format (Default is ASCII)

The Encryption (Default is TKIP)

The Wi-Fi Password (Default password set is 66666666, eight sixes)

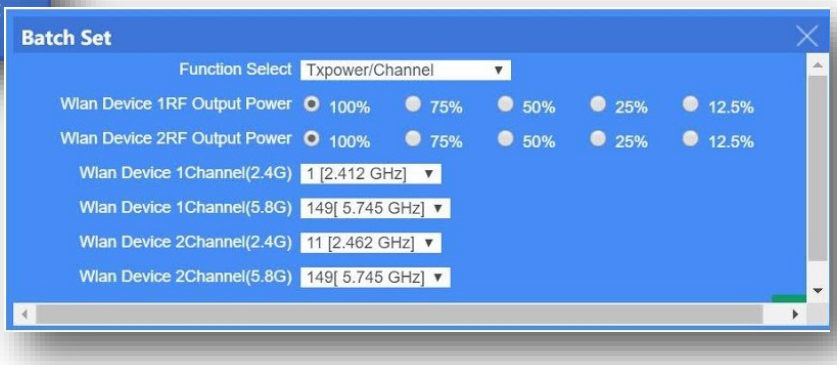
Wireless Advanced



Here you can set the Wi-Fi standard, the channel as well as other Wi-Fi advanced settings.

We suggest you leave these at default unless you specifically need to change these settings.

Batch Set



Batch set allows you to quickly select the Power output of 2.4G & 5G on each device and select the channel they will TX on all from the one page

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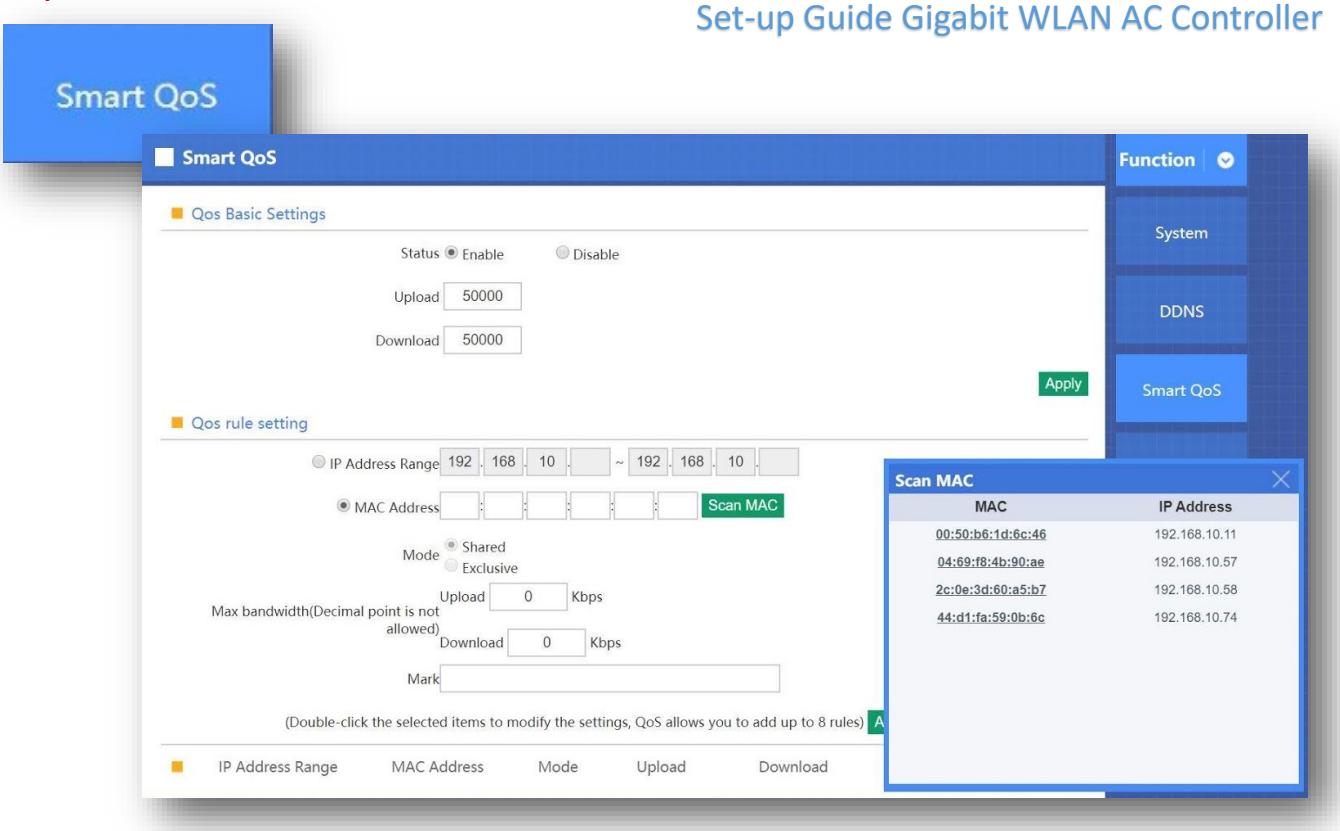
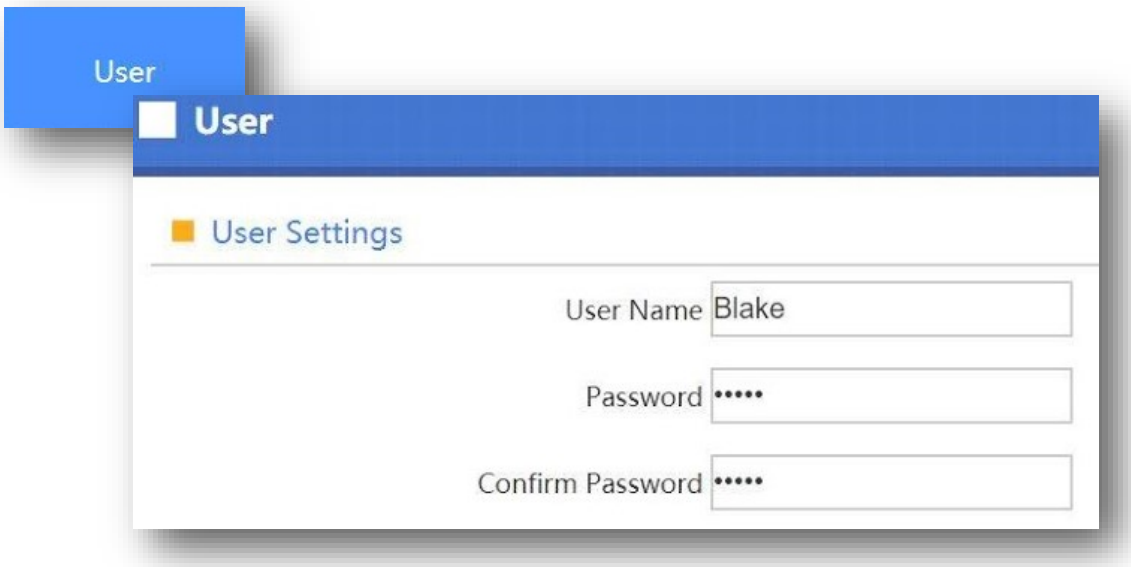


Quality of Service (QoS) technology can prevent unequal distribution of a precious resource.
QoS takes each client's specific needs into account.
For example if someone was using Netflix, VoIP, YouTube that user data get priority.
QoS, also known as traffic shaping, assigns priority to each device and service operating on your network and controls the amount of bandwidth each is allowed to consume based on its mission.
In Smart QoS you can assign priority to a specific device using its IP or MAC address.



Select the username and the password that you wish to use to login into the Gateway
Default Username is admin
Default Password is admin

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Item		Parameter
Standard Protocol		IEEE 802.3、IEEE 802.3u
QTY of manageable AP		Default: 200pcs, Max: 300pcs
CPU		MT7621, 880MHz
FLASH		128Mb
DDR3		DDR3 4096Mb
Power Consumption		< 5W
Interface	LAN port	Four 10/100M/1000M RJ45 port（Auto MDI/MDIX）
	LAN/WAN port	1 LAN/WAN port，Default is LAN port, WAN port when open WAN mode
LED Indicator	Power	Adapter
	Run	System status
Demension (L x W x H)		440mm x200 mm x 45mm
Cooling		Nature cooling + Fan cooling
Working environment		Working temperature：0ºC～40ºC
		Storage temperature：-40ºC～70ºC
		Working Humanity：10%～90%RH (No condensation)
		Storage Humanity：5%～90%RH (No condensation)
Power		100-240V~ 50/60Hz

EU Declaration of Conformity

Blake UK hereby declares that the radio equipment type PROAPG4 is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address: www.blake-uk.com/DoC

Website: www.proceptionwifi.co.uk
Email: support@proceptionwifi.co.uk

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