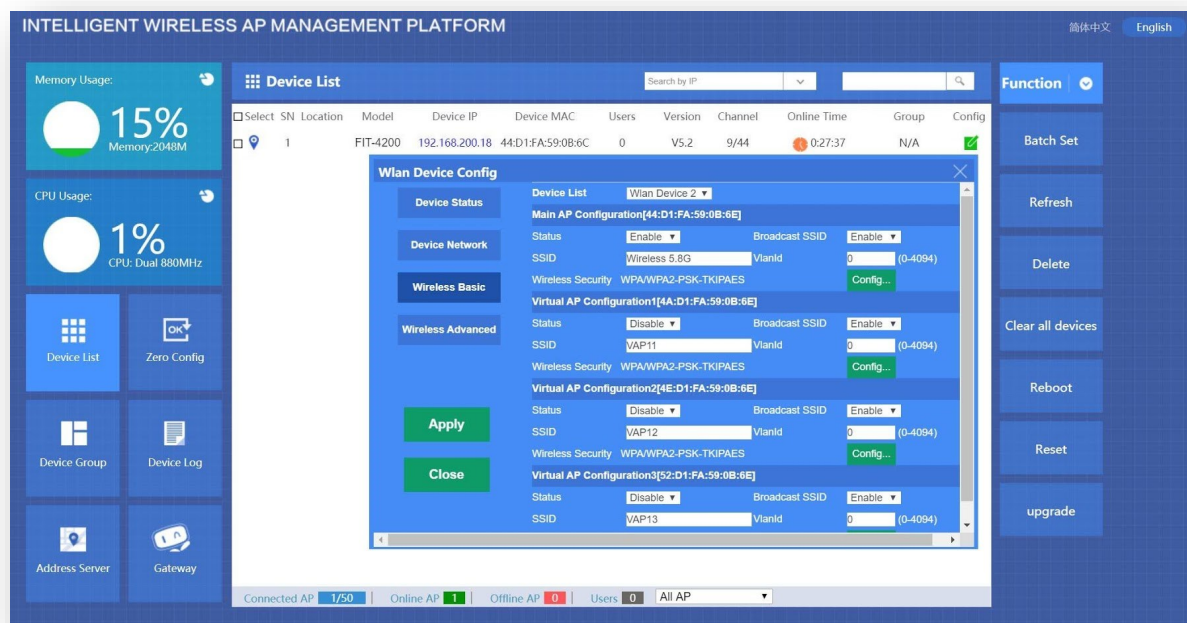**Ensure your Access Point is in AP MODE**

Set-up Guide PROAPG4 Gigabit WLAN AC Controller

The PRO Wi-Fi controller is a Gigabit High Performance none PoE WLAN AC controller with AC gateway and authentication functions to help easily manage large numbers of the PRO Wi-Fi range of In-Wall, ceiling and CPE range of Wireless Access points.

You can combine with our PoE switches to provide PoE power and an increased number of outlets.

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

Set-up Guide PROAPG4 Gigabit WLAN AC Controller

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 FIT mode) to configure and manage easily , 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 defence.

- ARP defence.

- MAC filter defence.

Set-up Guide PROAPG4 Gigabit WLAN AC Controller

Connecting to the gateway

Change your IP on device to static with these settings:
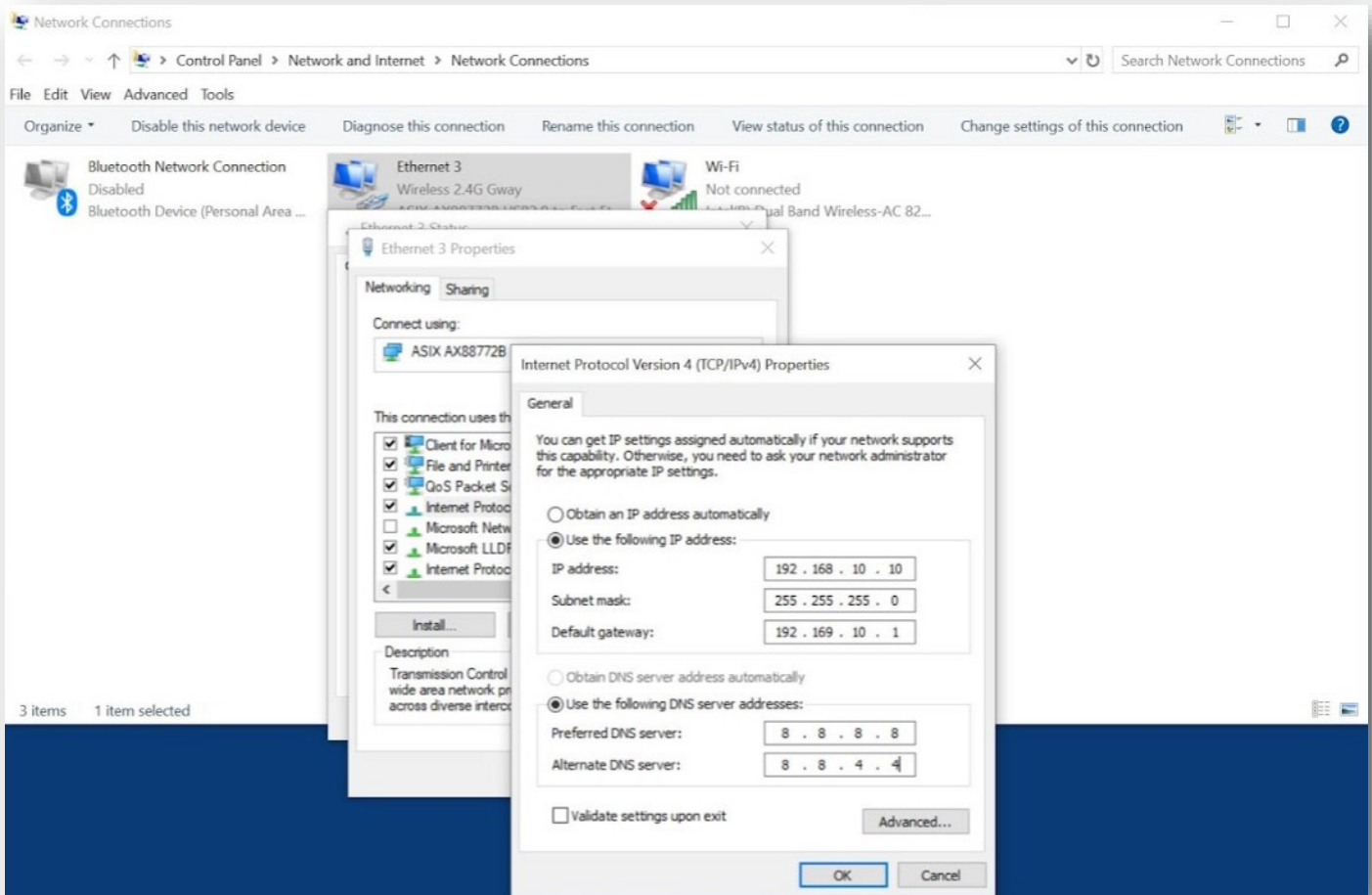
IP address 192.168.10.10

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

The Access Points needs to be in FIT AP mode for the gateway to be able to control them. Clicking FAT AP in the Home screen of the Access Point will set the operating mode to FIT AP ready for Gateway operation. Another way of switching between modes on the access point is by entering the URL: – *IPNumberofAccessPoint/*mode_switch.html into your browser.

Ensure your Access Point is in AP MODE

Set-up Guide PROAPG4 Gigabit WLAN AC Controller

Ensure 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!) **Operation Mode   AP Mode**

2. In FIT AP mode (Default is FAT) **Fat AP**

3. Get IP from AC selected **IP Mode   Get IP From AC**
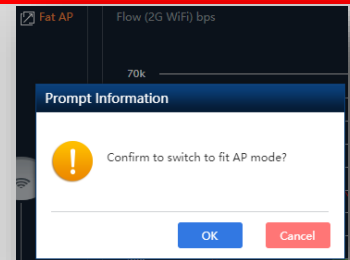
Plug the access point into the Gateway (once the settings have been set as above)

After 2 minutes you will see the Access point you plugged in appear.
(You may have to refresh the screen several times to see the AP appear in the device list)

☐ 📍	1		FIT-4200	192.168.200.18	44:D1:FA:59:0B:6C	0	V5.2	9/44	🕐 20:40:32	N/A	✏️

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.
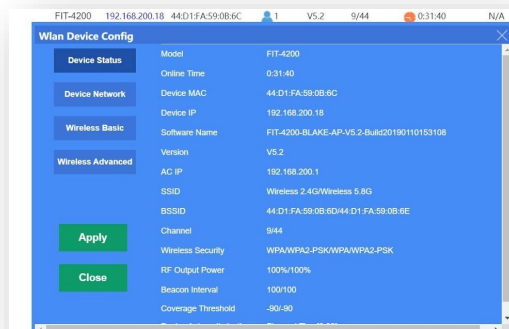
Device network:– The area where you enter the IP allocation method that you will be using for all of the Access Points that are connected to the gateway:

DHCP (IP is automatically allocated by the Gateway).

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

Set-up Guide PROAPG4 Gigabit WLAN AC Controller

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. Always check that the Wi-Fi channel is free by using a Wi-Fi analyses app.

If you are unsure please leave setting to default.

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. This will be sent out to all access points connected.

Quality of Service (QoS) technology helps prevent unequal distribution of resource.

QoS takes each client's specific needs into account.

For example if someone is using Netflix, VoIP, YouTube that user data gets 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 a username and the password that you wish to use to login into the Gateway if you wish to change this.

Default Username is admin

Default Password is admin

Set-up Guide PROAPG4 Gigabit WLAN AC Controller

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 Humidity：10%～90%RH (No condensation)
		Storage Humidity：5%～90%RH (No condensation)
Power		100-240V~ 50/60Hz