

GGM WCAP100 – CENTRALIZED WIFI CONTROLLER

4 Ports Lan 10/100/1000, 1 WAN

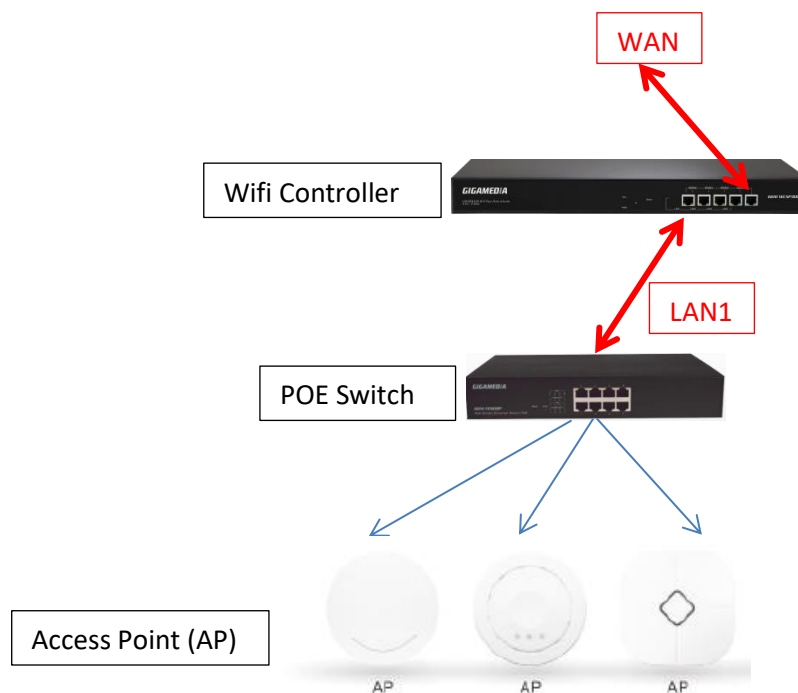
Quick Guide



1- Diagram / How to use WIFI Controller

The Wi-Fi controller allows the deployment and the easy and fast management of several Wifi access points (AP) in your network.

Wireless network management includes real-time control of Access Point (AP) status, quality of service, and enhanced security policy.



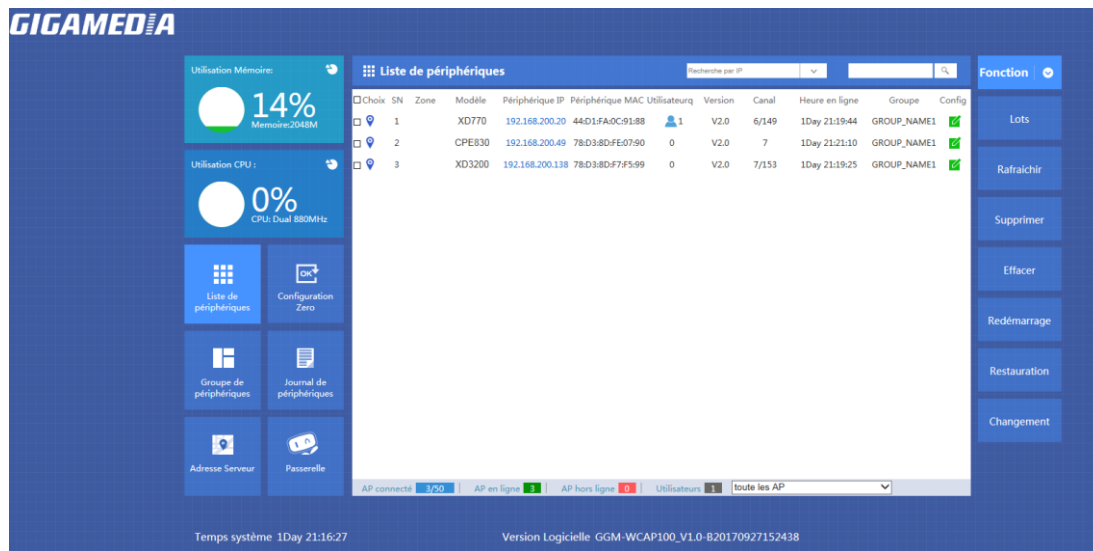
2- Quick Installation

Connect your PC with the LAN Port then login Web Management with Internet Explorer
 You must configure your PC with a fixed IP address 192.168.10.X (X between 2 and 253)

IP Address by default (LAN): **http://192.168.10.1**

Identification: **admin**

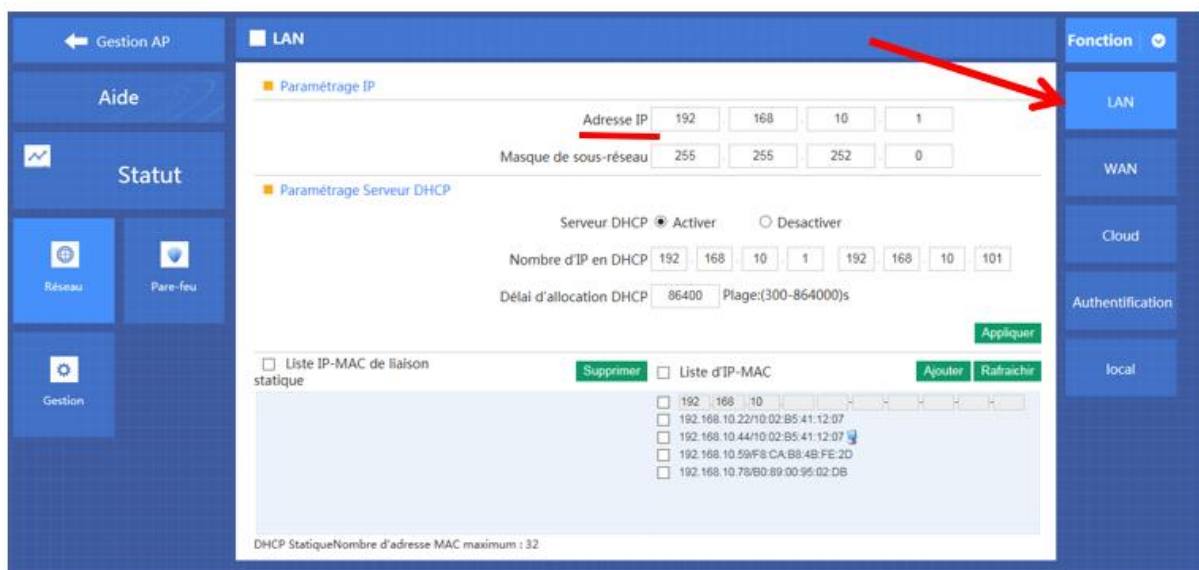
Password: **admin**



The screenshot shows the GIGAMEDIA web management interface. On the left, there are system status cards for 'Utilisation Mémoire' (14%) and 'Utilisation CPU' (0%). Below these are buttons for 'Liste de périphériques', 'Configuration Zero', 'Groupe de périphériques', 'Journal de périphériques', 'Adresse Serveur', and 'Passerelle'. The main area displays a 'Liste de périphériques' table with columns: Choix, SN, Zone, Modèle, Périphérique IP, Périphérique MAC, Utilisateur, Version, Canal, Heure en ligne, Groupe, and Config. The table lists three devices. On the right, there is a 'Fonction' menu with options: Lots, Rafalchir, Supprimer, Effacer, Redémarrage, Restauration, and Changement. At the bottom, there is a status bar showing 'AP connectés: 3/50', 'AP en ligne: 3', 'AP hors ligne: 0', 'Utilisateurs: 1', and 'toutes les AP'. The footer shows 'Temps système: 1Day 21:16:27' and 'Version Logicielle: GGM-WCAP100_V1.0-B20170927152438'.

Choix	SN	Zone	Modèle	Périphérique IP	Périphérique MAC	Utilisateur	Version	Canal	Heure en ligne	Groupe	Config
☐	1		XD770	192.168.200.20	44D1FA0C9188	1	V2.0	6/149	1Day 21:19:44	GROUP_NAME1	☒
☐	2		CPE830	192.168.200.49	78D38DFE0790	0	V2.0	7	1Day 21:21:10	GROUP_NAME1	☒
☐	3		XD3200	192.168.200.138	78D38DF7F599	0	V2.0	7/153	1Day 21:19:25	GROUP_NAME1	☒

LAN Settings: Tab Gateway then LAN, to modify IP Parameters

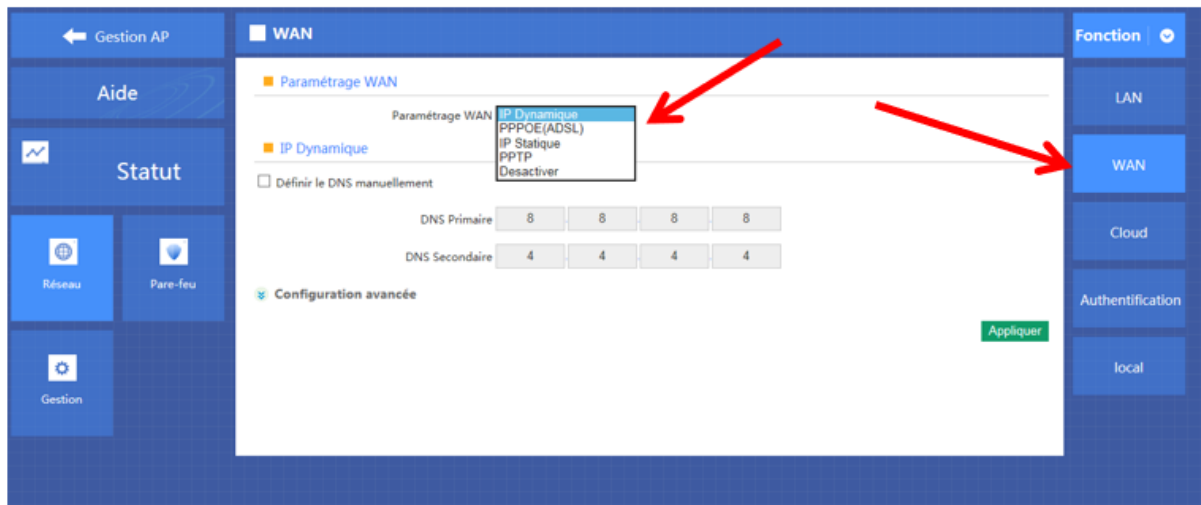


The screenshot shows the 'LAN' configuration page. The left sidebar has a 'Gestion AP' menu with 'Aide', 'Statut', 'Réseau', 'Pare-feu', and 'Gestion'. The main area is titled 'Paramétrage IP' and contains fields for 'Adresse IP' (192.168.10.1), 'Masque de sous-réseau' (255.255.252.0), and 'Paramétrage Serveur DHCP'. The DHCP section has 'Serveur DHCP' set to 'Activer', 'Nombre d'IP en DHCP' set to 192.168.10.1, and 'Délai d'allocation DHCP' set to 86400. There is a 'Liste IP-MAC de liaison statique' table with columns for IP and MAC. A red arrow points to the 'Fonction' menu on the right, which has options: LAN, WAN, Cloud, Authentification, and local.

Choix	IP	MAC
☐	192.168.10.1	192.168.10.22:10:02:B5:41:12:07
☐	192.168.10.44	192.168.10.44:10:02:B5:41:12:07
☐	192.168.10.59	192.168.10.59:F8:CA:B8:4B:FE:2D
☐	192.168.10.78	192.168.10.78:B0:89:00:95:02:DB

WAN Settings

Please choose your WAN Settings according to your connection Mode:



Manage and integrate Access Point (AP)

2 methods :

- a) By Groupes
- b) Zero Config

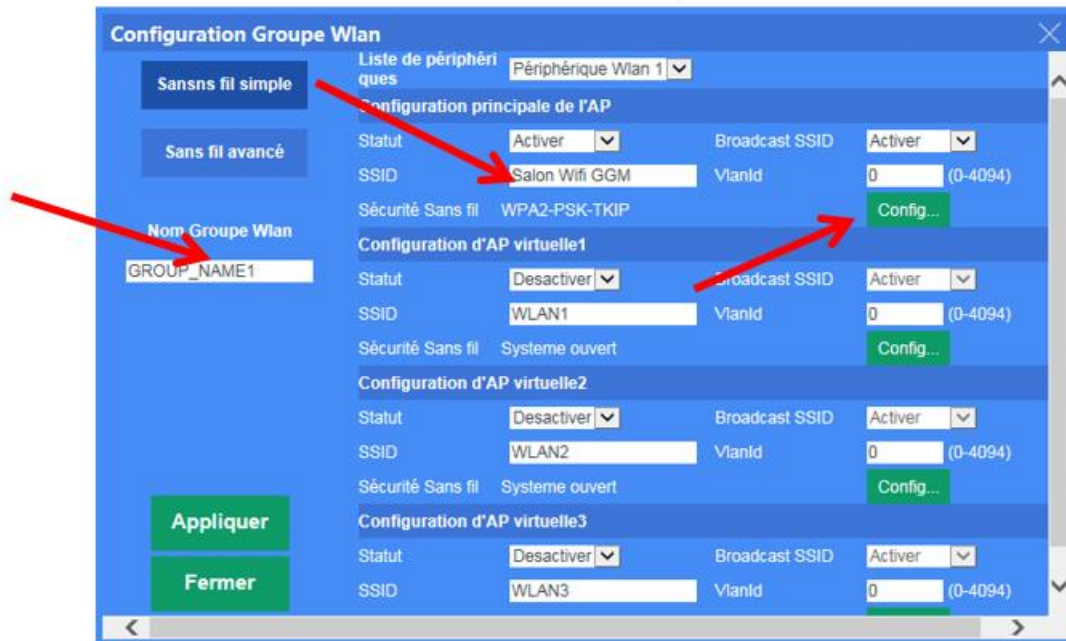
a) Creation of one or more groups

Go to Device Group and click New to add a group



To modify group, click to





Configuration Groupe Wlan

Liste de périphériques: Périphérique Wlan 1

Sans fil simple

Configuration principale de l'AP

Statut: Activer | Broadcast SSID: Activer

SSID: Salon Wifi GGM | VlanId: 0 (0-4094)

Sécurité Sans fil: WPA2-PSK-TKIP | Config...

Configuration d'AP virtuelle1

Statut: Desactiver | Broadcast SSID: Activer

SSID: WLAN1 | VlanId: 0 (0-4094)

Sécurité Sans fil: Systeme ouvert | Config...

Configuration d'AP virtuelle2

Statut: Desactiver | Broadcast SSID: Activer

SSID: WLAN2 | VlanId: 0 (0-4094)

Sécurité Sans fil: Systeme ouvert | Config...

Configuration d'AP virtuelle3

Statut: Desactiver | Broadcast SSID: Activer

SSID: WLAN3 | VlanId: 0 (0-4094)

Buttons: Appliquer, Fermer

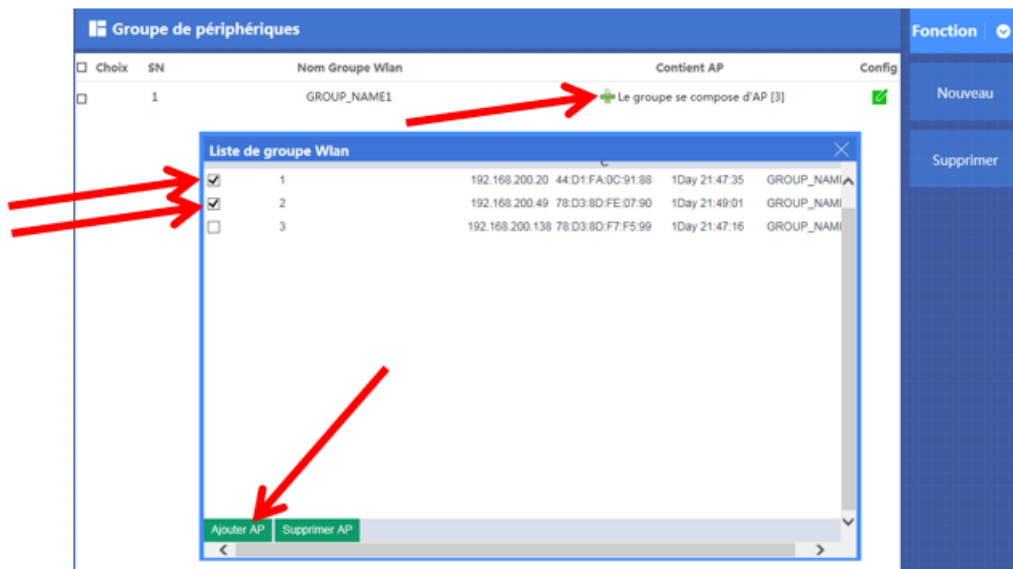
Customize your Wifi Settings for this group :

Status: Enable

SSID: Name of your Wifi

Security: Add a security Key

Add one or more Access Points: Click on +



Groupe de périphériques

Choix	SN	Nom Groupe Wlan	Contient AP	Config
☒	1	GROUP_NAME1	Le groupe se compose d'AP [3]	☒

Liste de groupe Wlan

Choix	SN	Nom Groupe Wlan	Contient AP	Config
☒	1	GROUP_NAME1	Le groupe se compose d'AP [3]	☒
☒	2	GROUP_NAME1	Le groupe se compose d'AP [3]	☒
☐	3	GROUP_NAME1	Le groupe se compose d'AP [3]	☐

Buttons: Ajouter AP, Supprimer AP

Buttons: Nouveau, Supprimer

- Select one or more Access Points to integrate
- Click on Add AP

b) Zero Config - Function Wireless Plug & Play

Zero Config function is the same as creation of groups.

Settings in **Zero Config** will be the same for all Access Points connected. (Same SSID, same Password, same channel).

Attention : it is recommended, first, to set the **Zero Config** before connecting all Access Points.

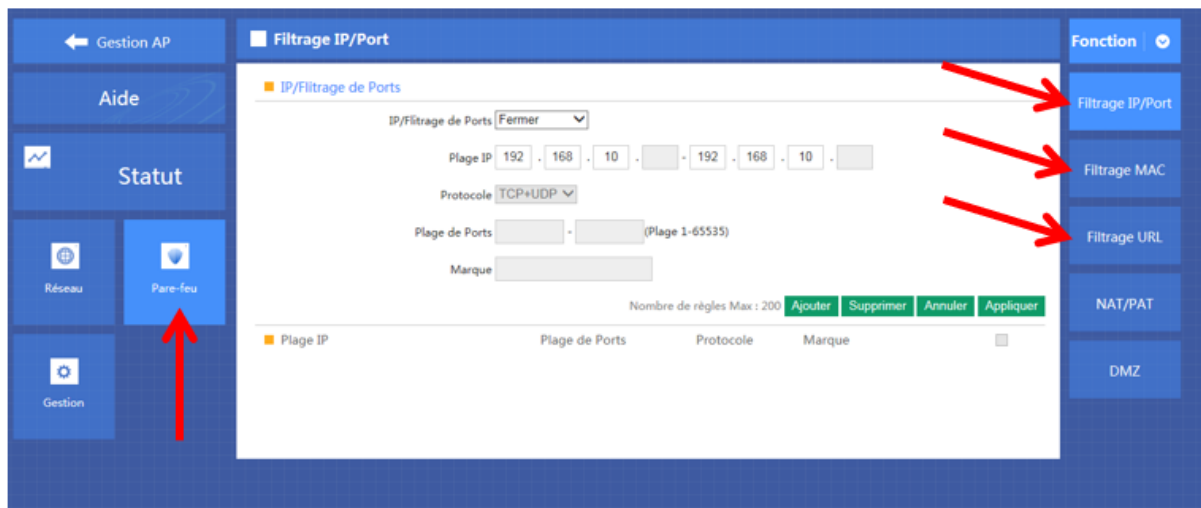
If not, configuration of Access Points will be enable after restarting it

Manage Access Point

Here, you can use those functions:

- IP Filtering
- Port Filtering
- MAC Filtering
- QoS and Bandwidth Management

Go to Gateway then Firewall



For QoS, go to Manage then QoS