

## **GWN7610 Firmware Release Note**

### **IMPORTANT UPGRADING NOTE**

1. Before starting to upgrade, please make sure your GWN7610's firmware version is 1.0.2.108 or higher.
2. Before starting to upgrade, please make sure your GWN7000 (the master device)'s firmware version is 1.0.2.71 or higher.

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## FIRMWARE VERSION 1.0.3.21

### PRODUCT NAME

GWN7610

### DATE

8/11/2017

### IMPORTANT UPGRADING NOTE

- Before starting to upgrade, please make sure your GWN7610's firmware version is 1.0.2.108 or higher.
- Before starting to upgrade, please make sure your GWN7000 (the master device)'s firmware version is 1.0.2.71 or higher.

### ENHANCEMENT

### BUG FIX

- Fixed the issue that beacon frame has a random information element

### KNOWN ISSUE

- Banned Band steering feature still affect wireless Black/White/Banned client list feature. Please use Band steering or Black/White/Banned client list feature exclusively.

## FIRMWARE VERSION 1.0.3.19

### PRODUCT NAME

GWN7610

### DATE

6/20/2017

### IMPORTANT UPGRADING NOTE

- Before starting to upgrade, please make sure your GWN7610's firmware version is 1.0.2.108 or higher.
- Before starting to upgrade, please make sure your GWN7000 (the master device)'s firmware version is 1.0.2.71 or higher.

### ENHANCEMENT

- Added support for Captive Portal Enhancement
- Added support for 802.11k/r (Enable Voice Enterprise)
- Added support for Failover Master
- Added support for VLAN assignment via RADIUS
- Added support for Select Band per SSID
- Added support for Selectively Enable b/g/n
- Added support for Exact Radio Power Configuration in dBm
- Added support for AP Locating by Blinking LED
- Added support for Per-Client/Per-SSID Bandwidth Management
- Added support for Limit Client Count per SSID
- Added support for Enabling/Disabling DHCP option 66 for firmware upgrade

### BUG FIX

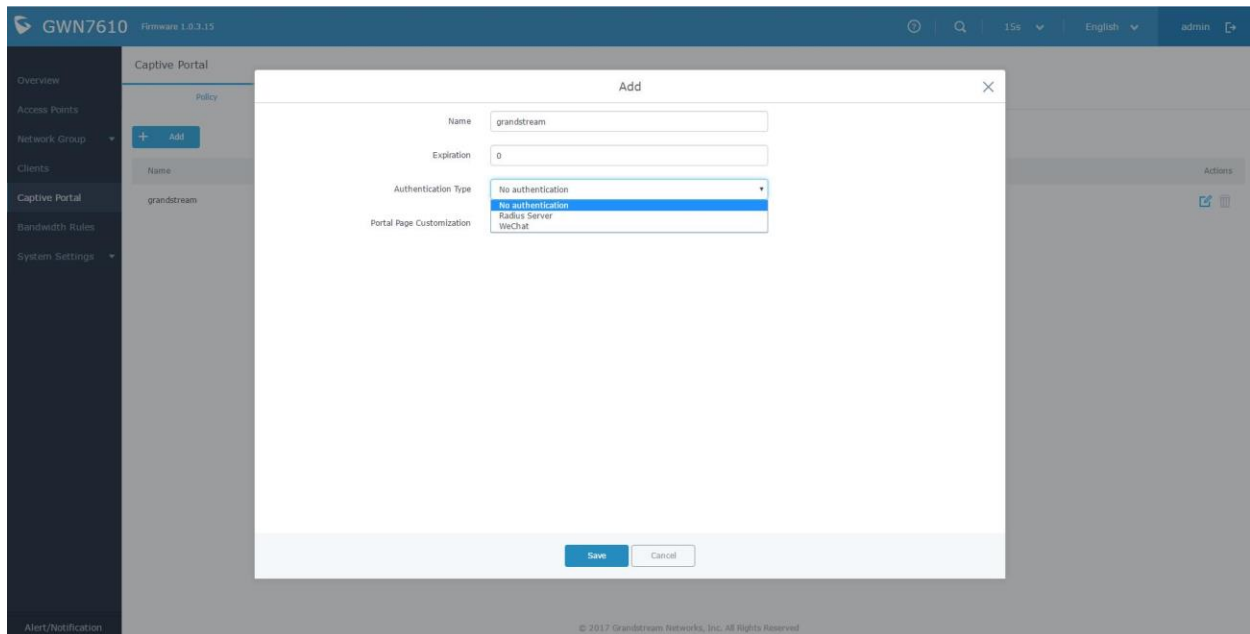
- Internal bug fixes

## KNOWN ISSUE

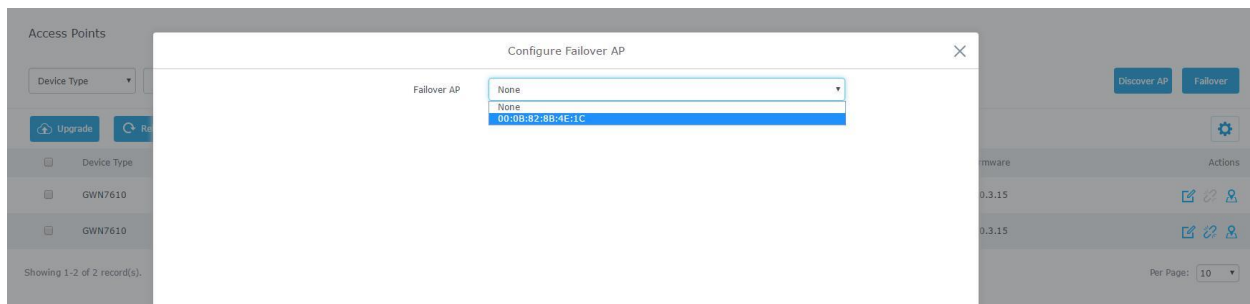
- Banned Band steering feature still affect wireless Black/White/Banned client list feature. Please use Band steering or Black/White/Banned client list feature exclusively.

## NEW FEATURE OVERVIEW

- Captive Portal Enhancement
  1. Now you can configure different portal policies with names and adopt one policy while configuring your Network groups.
  2. Now captive portal starts to support authentication by Radius and WeChat.



- Failover Master









Failover Master is supported on GWN7610 now. You can specify a slave AP as failover master. Whenever it detects the master is down, it will promote itself to be as failover master. After then, if master comes back,

failover master will automatically goes back to slave mode, or if the master doesn't come back to alive, Administrator can login to turn the failover master to true master and take over all controls.

- AP Locating by Blinking LED

Now, when you can't match your AP list on web with your real AP deployment in the field. This feature will help you to find your AP.

Device Type	Name/MAC	IP Address	Status	Uptime	Firmware	Actions
GWN7610	00:0B:82:97:90:8C	192.168.1.146	Master	1d 16h 3m 1s	1.0.3.15	  
GWN7610	00:0B:82:8B:4E:1C	192.168.1.21	Online	1d 16h 6m 15s	1.0.3.15	   <small>Locate the device</small>

- 802.11k/r (Enable Voice Enterprise)

Configuration available at Network Group->Add/Edit->WiFi-> **Enable Voice Enterprise**.

- Select Band per SSID

Configuration available at Network Group->Add/Edit->WiFi-> **SSID band**.

- Selectively Enable b/g/n

Configuration available at Access Point->Edit->Configuration-> **Mode (2.4G)**.

- Exact Radio Power Configuration in dBm

Configuration available at Access Point->Edit->Configuration-> **Custom 2.4GHz Wireless Power (dBm)**.

- Per-Client/Per-SSID Bandwidth Management

Configuration available at

Per-SSID: Network Group->Add/Edit->WiFi-> **Upstream Rate / Downstream Rate**.

Per-Client: Client->Edit->Bandwidth Rules-> Add new item.

- Limit Client Count per SSID

Configuration available at Network Group->Add/Edit->WiFi-> **Wireless Client Limit.**

- Enabling/Disabling DHCP option 66 for firmware upgrade

Configuration available at System Settings->Maintenance->Upgrade-> **Allow DHCP options 66 and 43 override.**

## FIRMWARE VERSION 1.0.2.108

### PRODUCT NAME

GWN7610

### DATE

4/19/2017

### IMPORTANT UPGRADING NOTE

- Controller protocol security enhancement is important for secured provision from Master to Slave. So once a master with 1.0.2.108 found a slave with 1.0.2.15, it will disable the slave's wifi and show the slave's firmware version in RED BOLD to remind user to upgrade the slave. (This is implemented on GWN7000 version 1.0.2.71 too)

### ENHANCEMENT

- Controller protocol security enhancement
- LED control
- Captive Portal
- Additional SSID
- WIFI schedule
- Client Isolation enhancement
- Syslog stored on unit and displayed on web is available now
- Few web enhancement.

### KNOWN ISSUE

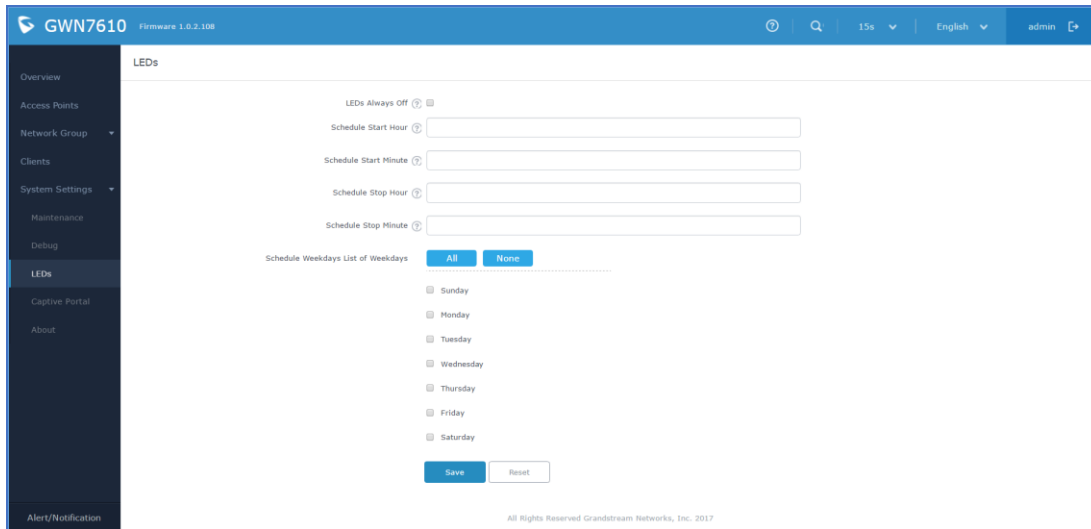
- Banned Band steering feature still affect wireless Black/White/Banned client list feature. Please use Band steering or Black/White/Banned client list feature exclusively.



## NEW FEATURE OVERVIEW

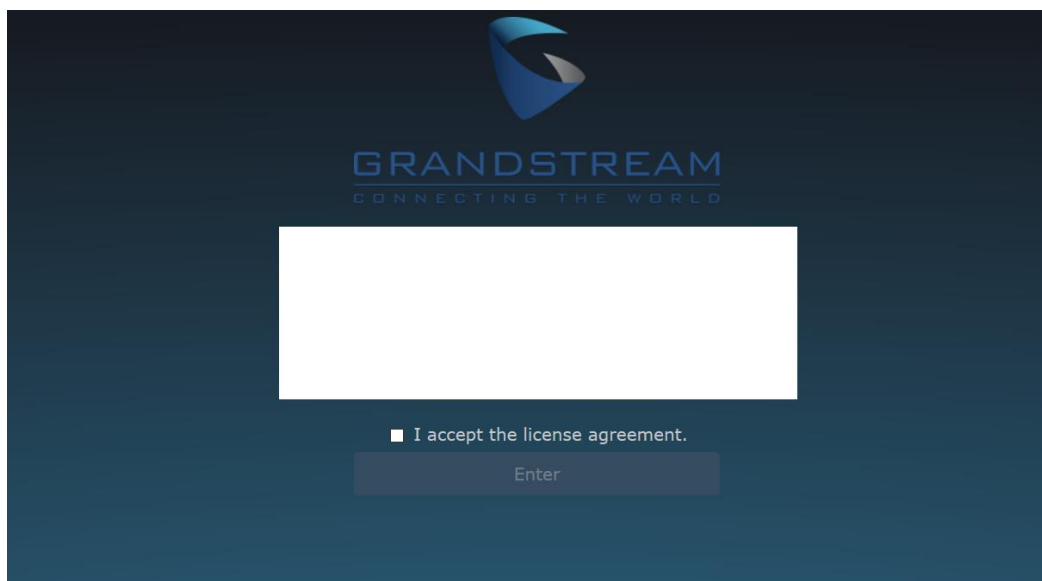
- LED control

User can define the LED on/off schedule in following page.



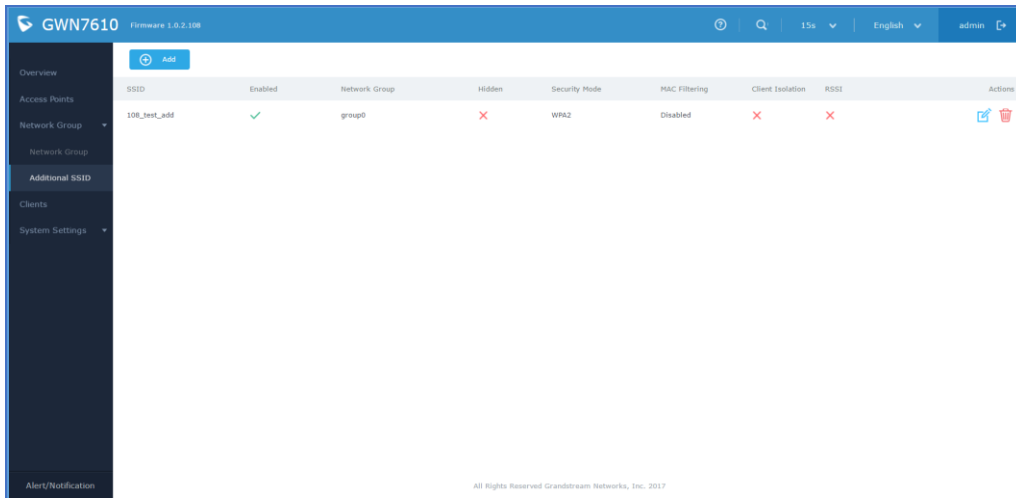
- Captive Portal



Configurations are available under System settings. Now user can customize the portal web page including their service terms by uploading splash.html and related web files in "Files" tag. (The blank window below is left for the service term to be customized)



- Additional SSID

Now user can add additional SSID to any network group by configuring the following page.



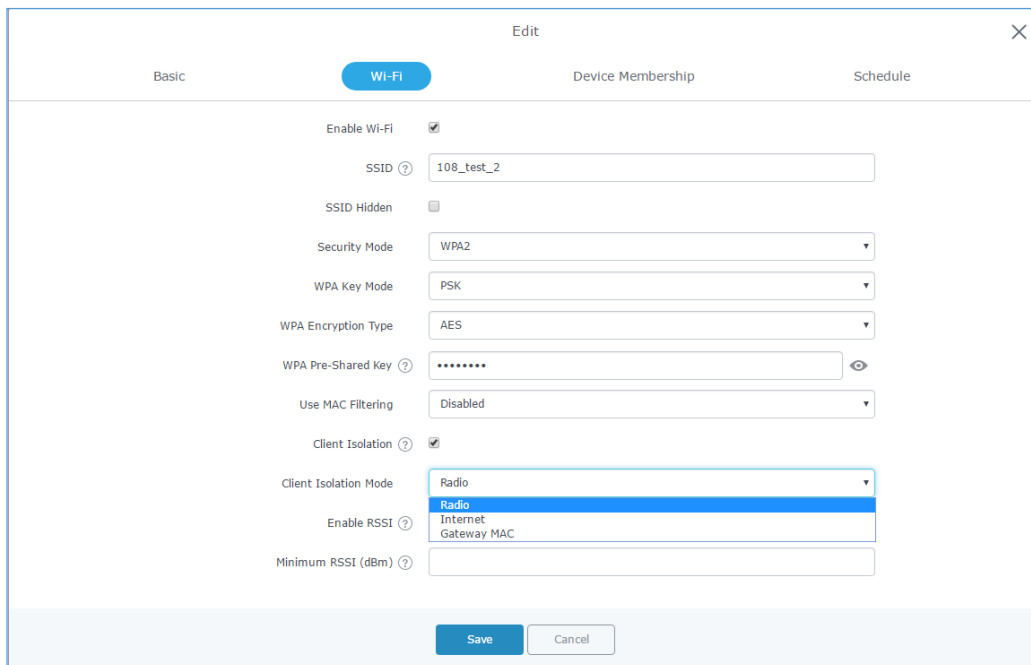
SSID	Enabled	Network Group	Hidden	Security Mode	MAC Filtering	Client Isolation	RSSI	Actions
108_test_add	<input checked="" type="checkbox"/>	group0	<input type="checkbox"/>	WPA2	Disabled	<input type="checkbox"/>	<input type="checkbox"/>	 

- WIFI schedule

User can configure WIFI on/off schedule under Network Group->Edit->Schedule

- Client Isolation enhancement

Now, 3 client isolation modes (Radio/Internet/Gateway MAC) are available now. Please refer to user manual for the detailed features.



Edit ✕

Basic    Wi-Fi    Device Membership    Schedule

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Enable Wi-Fi

SSID

SSID Hidden

Security Mode

WPA Key Mode

WPA Encryption Type

WPA Pre-Shared Key

Use MAC Filtering

Client Isolation

Client Isolation Mode

Enable RSSI

Minimum RSSI (dBm)

Save    Cancel

## **FIRMWARE VERSION 1.0.2.15**

### **PRODUCT NAME**

GWN7610

### **DATE**

1/31/2017

### **IMPORTANT UPGRADING NOTE**

This is the initial official release of GWN7610