

GWN7600 Firmware Release Note

IMPORTANT UPGRADING NOTE

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FIRMWARE VERSION 1.0.3.25

PRODUCT NAME

GWN7600

DATE

9/20/2017

BUG FIX

- Fixed issue that GWN7600's 5G radio power won't take effect after select frequency to only 5G.
- Fixed issue that WiFi client cannot connect to the 802.11g AP WIFI when it uses the 802.11b protocol.
- Fixed issue that WeChat authentication for Captive portal sometimes behaves abnormal and it will be hard for WIFI client to authenticate when issue happens.
- Fixed issue that Captive Portal Policy changes require a reboot to take effect.
- Fixed issue that device cannot catch packet if a value is set in "File Size" option.
- Fixed issue that 2.4GHz mode need to be enabled for changing Channel Width and Active Spatial Streams.
- Fixed issue that WeChat authentication of Captive portal does not work, when adopting WIFI has WEP security mode.
- Fixed issue that If only 802.11r is enabled, Voice enterprise feature will not take effect.
- Fixed issue that iPhone does not work with current Minimum RSSI design.
- Internal bug fixes

KNOWN ISSUE

- "Band Steering" and "Gateway MAC address" options and requires a system reboot to take effect.
- Configuring Radius server address with domain name instead of IP will cause the WIFI under configuration become open without authentication.
- "Hostname" on client page and the "Top AP" \ "Top SSID" \ "Top Clients" on overview page may show empty occasionally.

- After clicking on the reset button in maintenance page, it may prompt "Reset failed!".
- When Facebook and WeChat authentication are enabled at the same time, client cannot redirect to landing page after Facebook auth success.
- After many times of enabling and disabling Captive Portal, there is chances that WIFI clients can access to Internet without authentication challenge.

FIRMWARE VERSION 1.0.3.19

PRODUCT NAME

GWN7600

DATE

7/14/2017

ENHANCEMENT

- Added support for Captive Portal
- Added support for 802.11k/r/v (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 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 WIFI schedule
- Added support for LED control
- Added support for Enabling/Disabling DHCP option 66 for firmware upgrade

BUG FIX

- Internal bug fixes

KNOWN ISSUE

- "Band Steering" and "Gateway MAC address" options and requires a system reboot to take effect.
- Configuring Radius server address with domain name instead of IP will cause the WIFI under configuration become open without authentication.
- "Hostname" on client page and the "Top AP" \ "Top SSID" \ "Top Clients" on overview page may show empty occasionally.
- GWN7600's 5G radio power won't take effect after select frequency to only 5G.
- Client cannot connect to the 802.11g AP WIFI when it uses the 802.11b protocol.
- After clicking on the reset button in maintenance page, it may prompt "Reset failed!".
- WeChat authentication for Captive portal sometimes behaves abnormal and it will be hard for WIFI client to authenticate when issue happens.
- When Facebook and WeChat authentication are enabled at the same time, client cannot redirect to landing page after Facebook auth success.
- After many times of enabling and disabling Captive Portal, there is chances that WIFI clients can access to Internet without authentication challenge.
- Device cannot catch packet if a value is set in "File Size" option.
- Captive Portal Policy changes require a reboot to take effect.
- 2.4GHz mode need to be enabled for changing Channel Width and Active Spatial Streams.
- WeChat authentication of Captive portal does not work, when adopting WIFI has WEP security mode.
- If only 802.11r is enabled, Voice enterprise feature will not take effect.
- iPhone does not work with current Minimum RSSI design.

NEW FEATURE OVERVIEW

- Captive Portal

You can configure different portal policies with names and adopt one policy while configuring your Network groups. Captive portal now also supports authentication by Radius and WeChat/Facebook.

Add ✕

Name
The field should not be empty

Expiration(s)
The field should not be empty

Authentication Type

WeChat Authentication

Facebook Authentication

Portal Page Customization

Landing Page

Enable HTTPS

Pre Authentication Rule(s)
Add new item +

Post Authentication Rule(s)
Add new item +

- 802.11k/r/v (Enable Voice Enterprise)

Configuration available at Network Group->Add/Edit->WIFI-> **Enable Voice Enterprise / Enable 11R /**

Enable 11K / Enable 11V

Enable Voice Enterprise

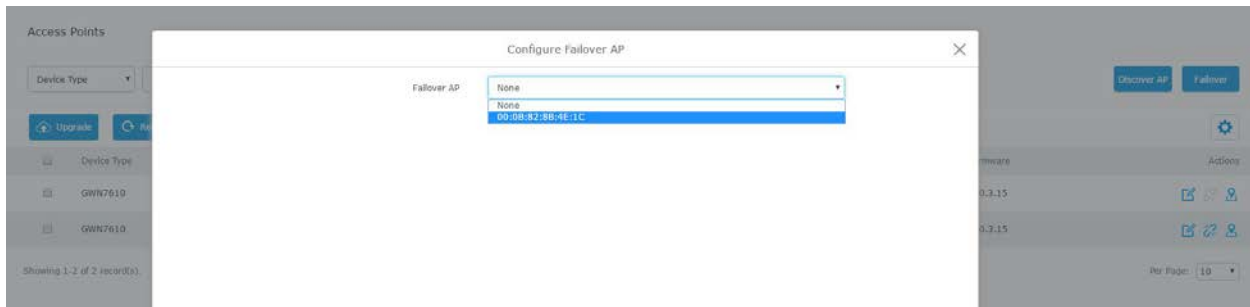
Enable 11R

Enable 11K

Enable 11V

- Failover Master

Failover Master is supported on GWN7600LR 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 go 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	[Icons]
GWN7610	00:0B:82:8B:4E:1C	192.168.1.21	Online	1d 16h 6m 15s	1.0.3.15	[Icons] Locate the device

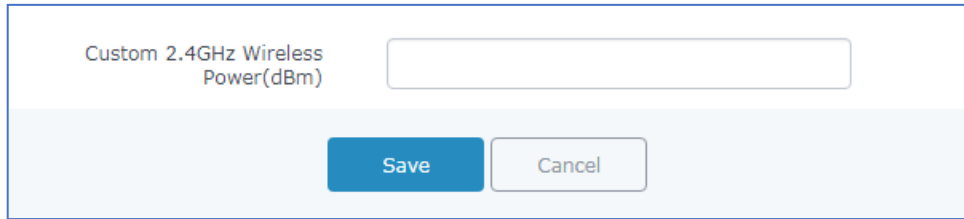
- Select Band per SSID

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

SSID Band	Dual-Band
SSID Hidden	<input type="checkbox"/>

- Exact Radio Power Configuration in dBm

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

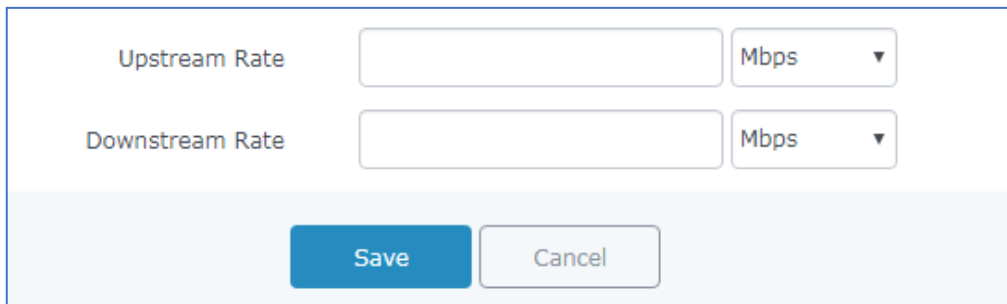


Custom 2.4GHz Wireless Power(dBm)

- Per-Client/Per-SSID Bandwidth Management

Configuration available at

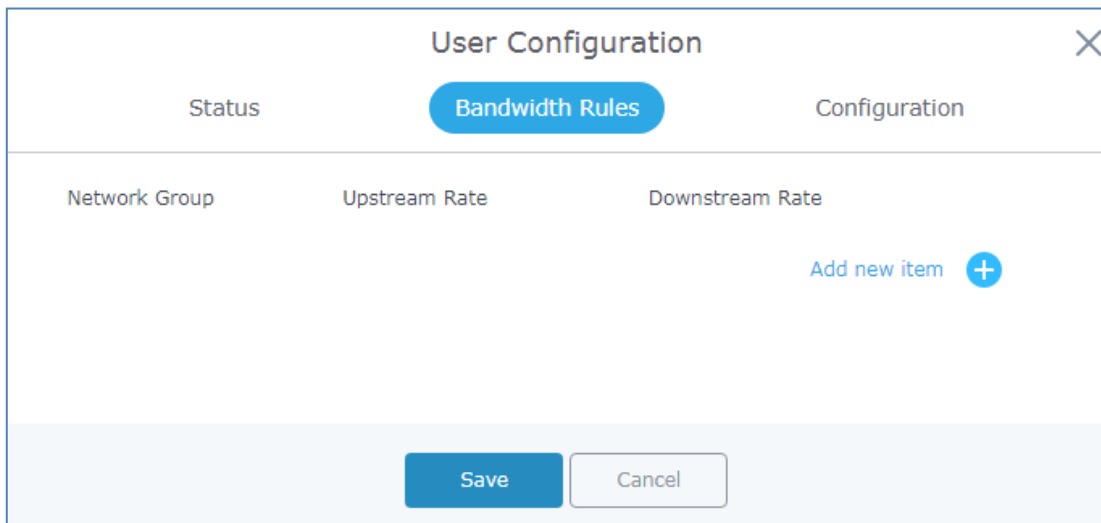
Per-SSID: Network Group->Add/Edit->WIFI-> **Upstream Rate / Downstream Rate**.



Upstream Rate Mbps

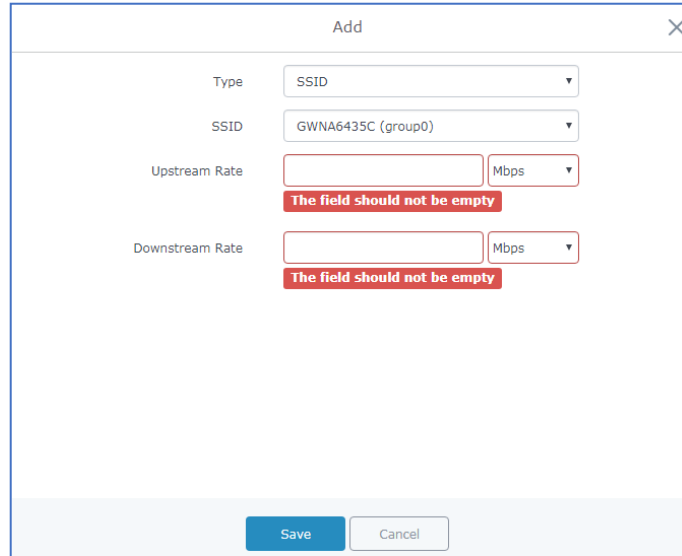
Downstream Rate Mbps

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



User Configuration			<input type="button" value="x"/>
Status	Bandwidth Rules		Configuration
Network Group	Upstream Rate	Downstream Rate	
			Add new item <input type="button" value="+"/>

General configuration: **Bandwidth Rules** on left root menu bar.



The 'Add' dialog box contains the following fields:

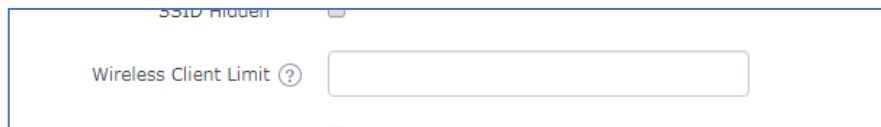
- Type: SSID (dropdown)
- SSID: GWNA6435C (group0) (dropdown)
- Upstream Rate: [Empty field] Mbps (dropdown)
- Downstream Rate: [Empty field] Mbps (dropdown)

Red error messages are displayed below the Upstream Rate and Downstream Rate fields: "The field should not be empty".

Buttons: Save, Cancel

- Limit Client Count per SSID

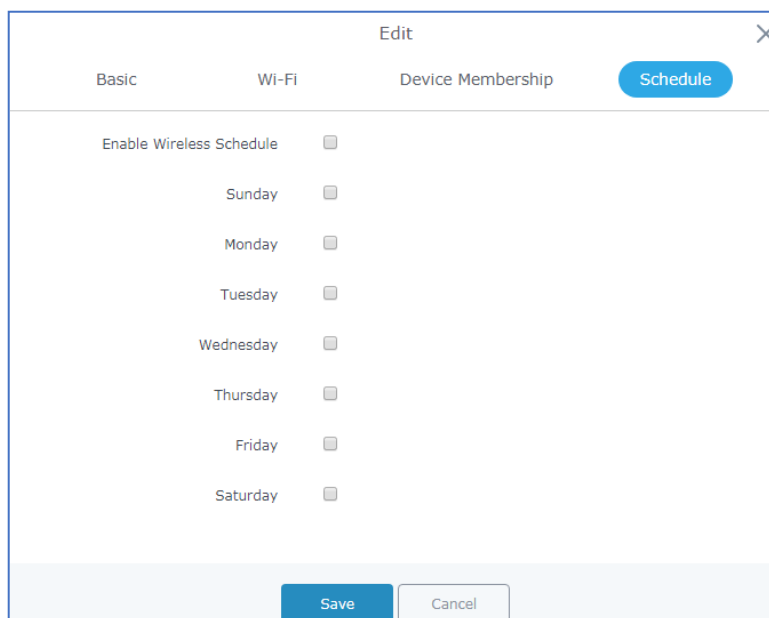
Configuration available at Network Group->Add/Edit->WIFI-> **Wireless Client Limit**.



The configuration shows a label "Wireless Client Limit" with a help icon (?) and an adjacent empty input field.

- WIFI schedule

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



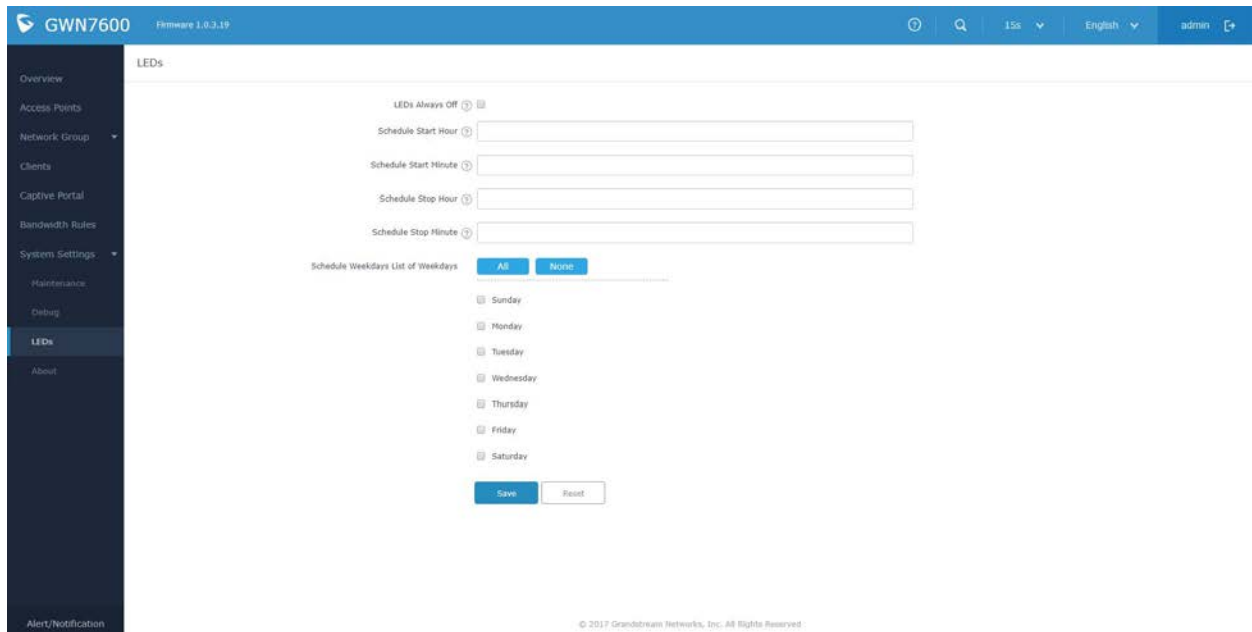
The 'Edit' dialog box has tabs for Basic, Wi-Fi, Device Membership, and Schedule (selected). The Schedule tab contains:

- Enable Wireless Schedule:
- Sunday:
- Monday:
- Tuesday:
- Wednesday:
- Thursday:
- Friday:
- Saturday:

Buttons: Save, Cancel

- LED control

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



LEDs

LEDs Always Off

Schedule Start Hour

Schedule Start Minute

Schedule Stop Hour

Schedule Stop Minute

Schedule Weekdays List of Weekdays

All None

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

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- Enabling/Disabling DHCP option 66 for firmware upgrade

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

Allow DHCP options 66 and 43 override

FIRMWARE VERSION 1.0.1.36

PRODUCT NAME

GWN7600

DATE

3/15/2017

IMPORTANT UPGRADING NOTE

This is the initial official release of GWN7600