

Grandstream HT801 (Park & Page use ONLY)

Last Modified on 05/28/2025 7:04 pm EDT

The HT801 is used in a special case for the Park & Page application and connects to an analog paging interface.

NOTE: The HT801 is NOT enabled or supported to be assigned to a user.

□

HT801 Setup

Connect the HT801 to your network according to the instructions included with the device. When the IP address is discovered, enter it in the address bar of a web browser to go to the Grandstream Device Configuration Utility.

NOTE: Attaching an analog phone to the analog port, you can use the integrated IVR to obtain the IP address as follows:

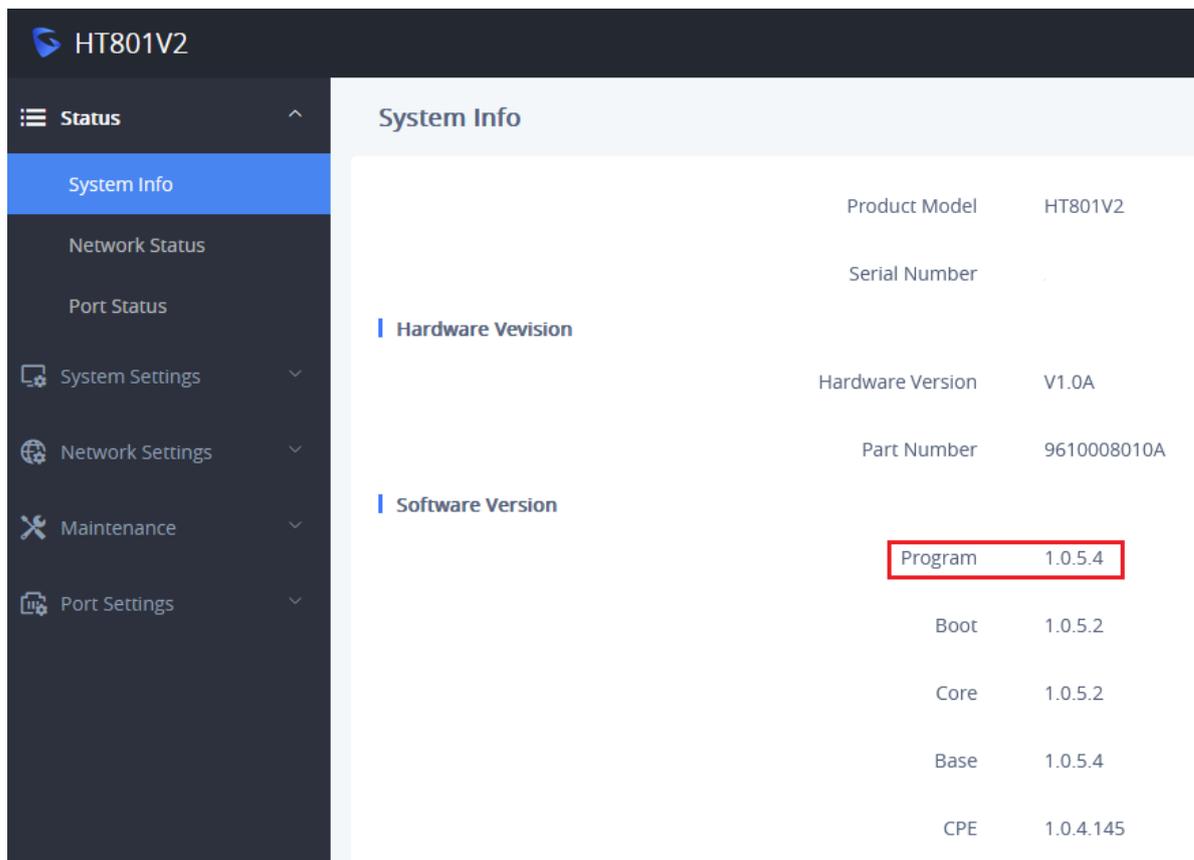
- Go off-hook and press *** in quick succession.
- When prompted to enter the option, dial 02; the IVR will then play the current IP address.
 - If you press 002, it will change the language to Chinese, go back onhook, wait a second, then go off hook again, dial *** then 001 to change it back to English.

Status...

System Info

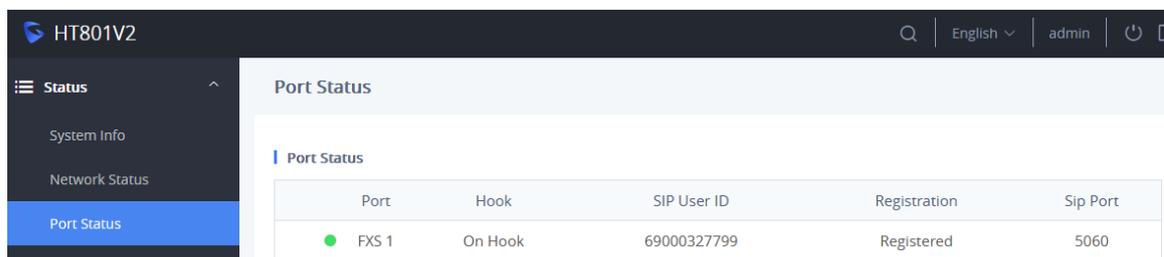
Here, it is important to note the running firmware. In particular, pay attention to the 'Program' version as seen below.

IMPORTANT: This article covers the HT801v2 hardware running at least 1.0.5.4 firmware. If you have lower firmware, update the device to this level or later.



Port Status

Once configured, under this page, you can also verify that your device has successfully Registered with the iPECS Cloud system.



System Settings -> Security Settings...

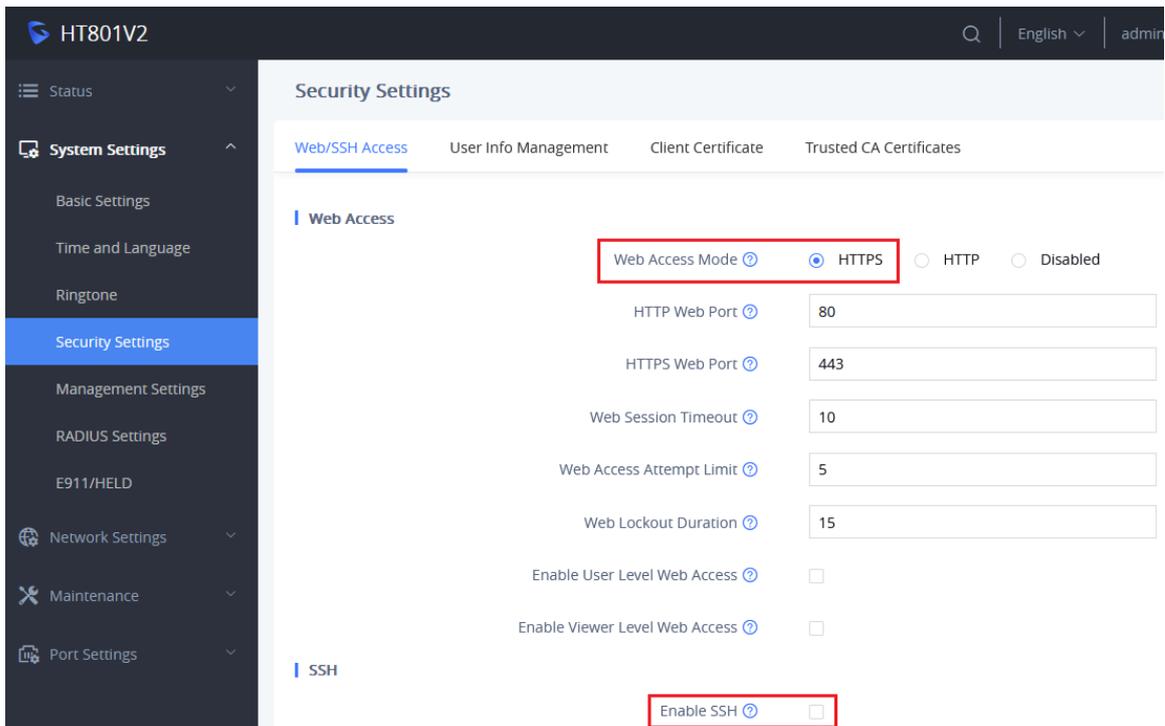
Vertical recommends making the following changes:

Web/SSH Access tab:

- Web Access Mode: Set to HTTPS
 - Changing this option to HTTPS will make use of a self-signed certificate. While you can configure a custom certificate, that is beyond the scope of this article.
- Enable SSH: Ensure this box is unchecked.

When the above is completed, scroll to the bottom of the page and click 'Apply' and the changes will be confirmed.

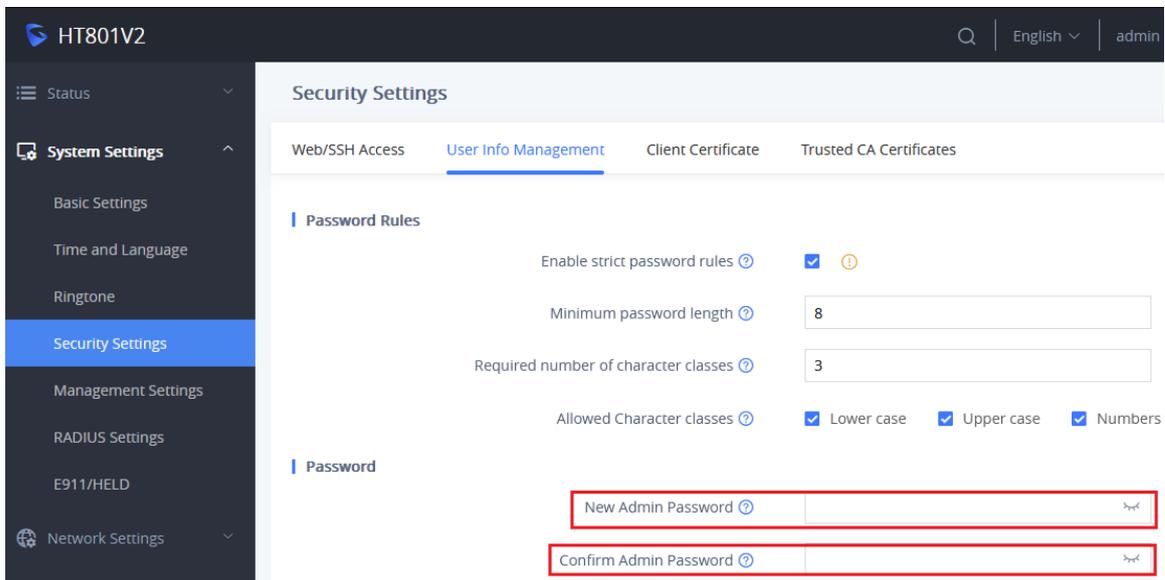
NOTE: At this point, you must re-navigate to the page using https.



User Info Management tab:

While you are prompted to change the admin password during first login, you can also change again here if desired.

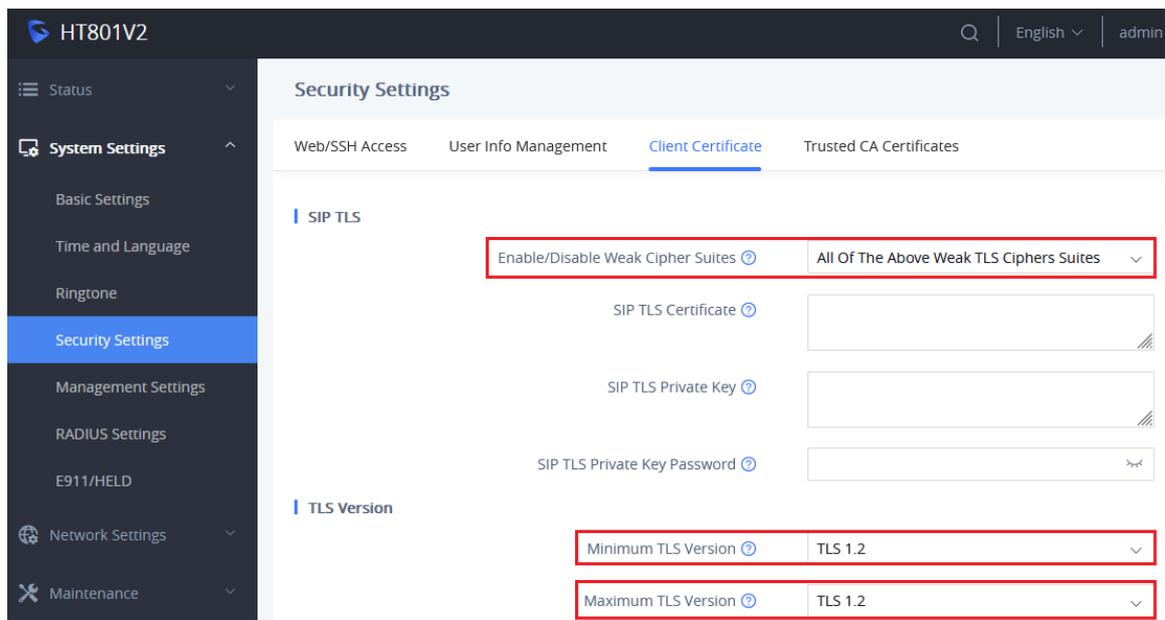
IMPORTANT: Please document the new password as it cannot be recovered and if lost, the device will need to be reset to factory.



Client Certificate tab:

Configure TLS 1.2 as the only accepted version and disabled Weak TLS Ciphers.

- Enable/Disable Weak TLS Cipher Suites: Set to 'All Of The Above Weak TLS Ciphers Suites'.
 - This is a poorly worded option; but this is the proper setting.
- Minimum TLS Version: Set this to 'TLS 1.2'.
- Maximum TLS Version: Set this also to 'TLS 1.2'.



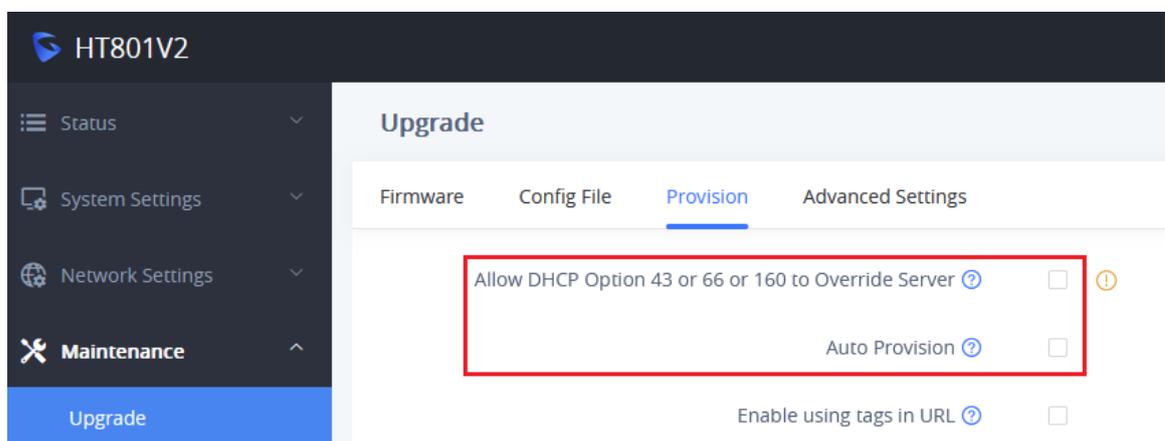
Once this has been completed, scroll to the bottom of the page and click 'Apply'.

Maintenance -> Upgrade...

Provision tab:

Disable settings that could attempt to auto-configure your device:

- Allow DHCP Option 43 or 66 or 160 to override server: Box is unchecked.
- Auto Provision: Box is unchecked.



FXS Port...

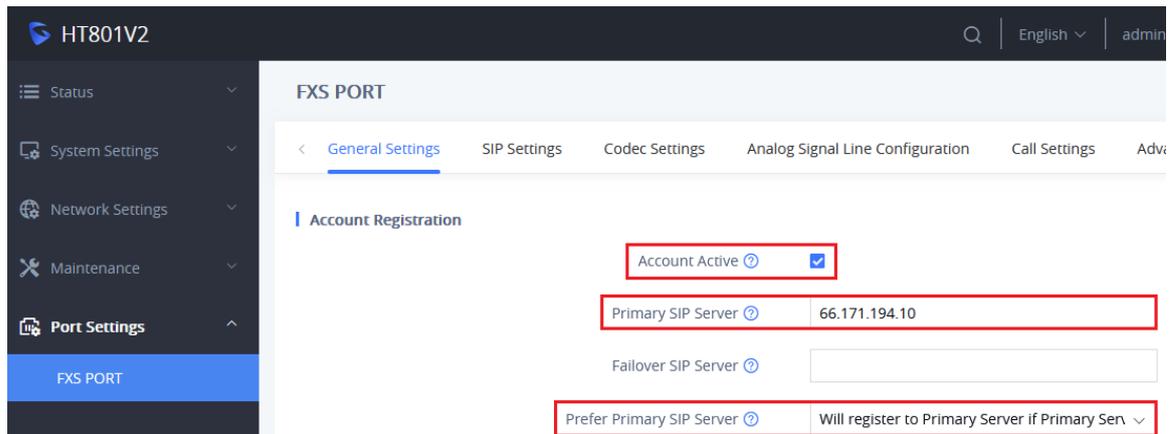
General Settings tab:

Account Registration...

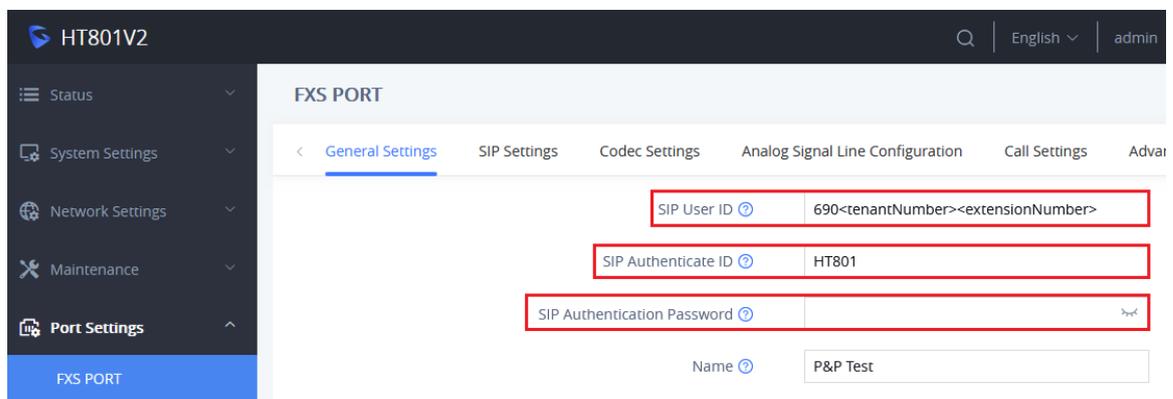
1. Active Account: Box is checked.
2. Primary SIP Server: **66.171.194.10**
3. Prefer Primary SIP Server: Will register to Primary Server if Primary Server responds, need to enable SIP

OPTIONS/NOTIFY Keep Alive.

- This box does not expand, it is difficult to read the option.



4. Starting with 'SIP User ID', the indicated fields must be set:



- SIP User ID: See note below.
- SIP Authenticate ID: See note below.
- SIP Authentication Password: See note below.
- Name (optional): As this device does not make outbound calls, it won't be used.

NOTE: For the SIP User and Authenticate IDs, [launch the iPECS Cloud Manager Console](#) and choose Call Manager > SIP Device. Select the device and make note of the indicated settings.

INFORMATION: If you have multiple sites you wish to deploy these to, you can use the same SIP Authenticate ID and SIP Authentication password, leaving the SIP User ID field blank briefly. Export the rest of the settings and you can use that configuration file to import on the other devices. Then you only need customize the SIP User ID field on the other units.

- SIP Device ID (not the extension number) = 'SIP User ID'
- Authentication ID (not the extension number) = 'SIP Authenticate ID'
- Authentication Password = 'SIP Authentication Password'
 - Not viewable, so if you don't know it, reset it to a known value.

SIP Device

SIP Device List						
<input type="checkbox"/> Extension	Name	Device Type	Channel	Direct Dial Call Number	SIP Device ID	
1 <input checked="" type="checkbox"/> 27799	Park & Page	Grandstream HT801	1		69000327799	

Page 1 of 1

View 1 - 2 of 2

Add Modify Delete

Device Type * Grandstream HT801 (1)

Name * Park & Page

Extension * 27799

Direct Dial Call Number -- NONE --

Outgoing Caller ID Company Outgoing Caller ID 6025629898

Call Barring Profile * SBC1-Vertical

Emergency Number NONE

Authentication ID * HT801

Authentication Password *

Channel Assign * 1 Remaining Channel : 1

...back to the Grandstream HT801

SIP Settings tab:

- Outgoing Call without Registration: Leave this unchecked. However, this device is NOT supported for making outgoing calls since it will be attached to paging equipment.
- Enable SIP OPTIONS/NOTIFY Keep Alive: Set this to OPTIONS. This will send out SIP OPTIONS messages that will keep the firewall from timing out / closing the port used for the device (not doing so may result inbound calls, i.e. pages, made to the device failing).
- SUBSCRIBE for MWI: Leave this box unchecked.
- Use Random SIP Port: If using multiple units at a single location, then check this; else, leave this unchecked.

The screenshot shows the 'FXS PORT' configuration page for device HT801V2. The 'SIP Settings' tab is selected, showing the 'SIP Basic Settings' section. The following settings are highlighted with red boxes:

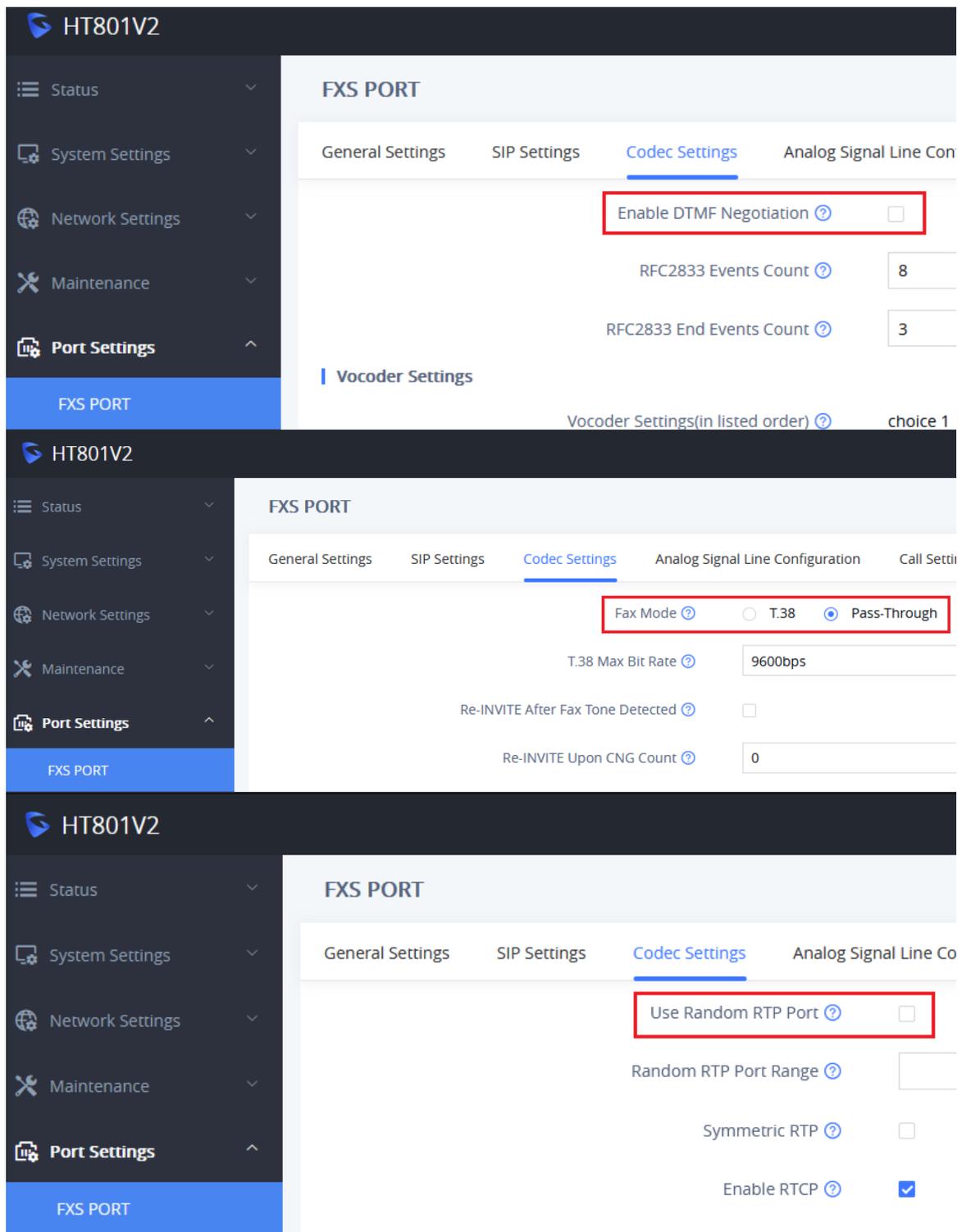
- Outgoing Call without Registration:** (unchecked)
- Enable SIP OPTIONS/NOTIFY Keep Alive:** Radio buttons for No, **OPTIONS** (selected), and NOTIFY.
- SUBSCRIBE for MWI:** (unchecked)
- Use Random SIP Port:** (unchecked)

Other visible settings include:

- SIP Registration: (checked)
- SIP Transport: UDP, TCP, TLS
- Unregister On Reboot: No, All, Instance
- Register Expiration: 60
- Re-Register before Expiration: 0
- SIP Registration Failure Retry Wait Time: 20
- Use Random SIP Registration Failure Retry Wait Time: (unchecked)
- Random SIP Registration Failure Retry Wait Time Range: 60 - 600
- SIP Registration Failure Retry Wait Time upon 403 Forbidden: 1200
- Port Voltage Off upon no SIP Registration or SIP Registration Failure: 0
- Delay Time of Port Voltage Off Timer Since Boot: 0
- SIP OPTIONS/NOTIFY Keep Alive Interval: 30
- SIP OPTIONS/NOTIFY Keep Alive Max Lost: 3
- Subscribe Retry Wait Time upon 403 Forbidden: 0
- Local SIP Port: 5060

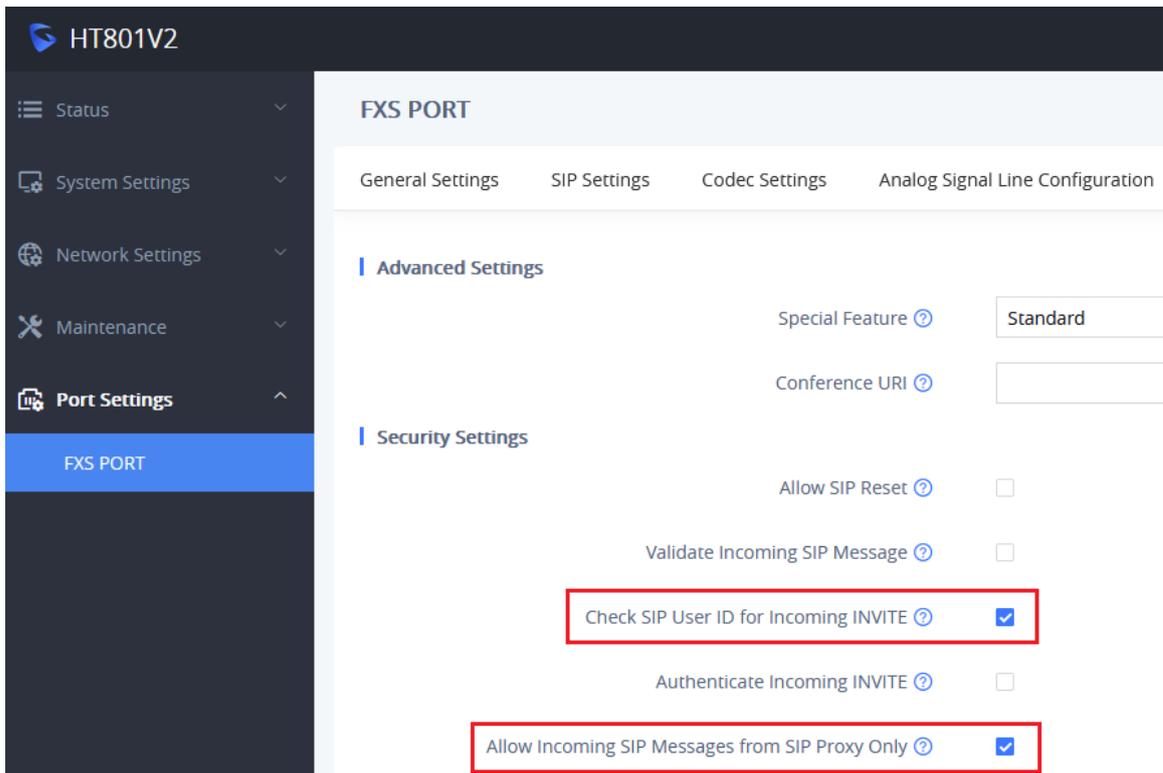
Codec Settings tab:

- Enable DTMF Negotiation: Leave this box unchecked. (Uses "Preferred DTMF" order without negotiation)
- Fax Mode: Set to 'Pass-Through'. The iPECS Cloud does not support Fax on this device.
- Use Random RTP Port: If using multiple units at a single location, set this to Yes; else leave as default.



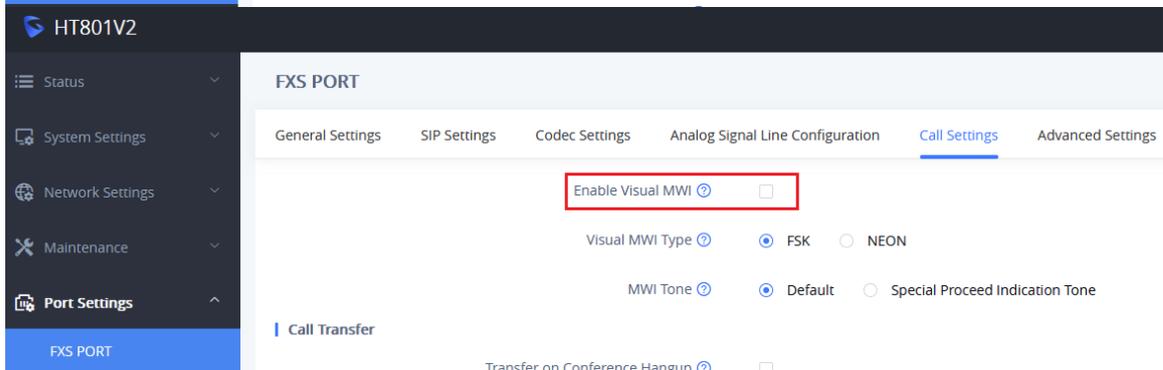
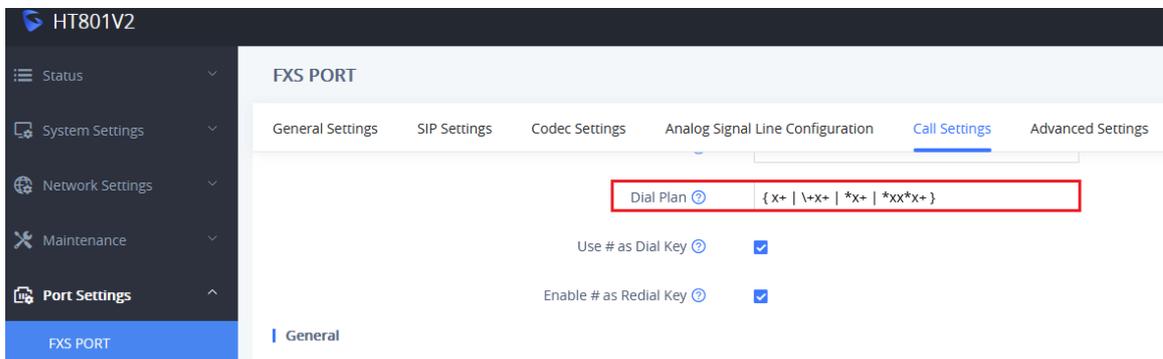
Advanced Settings tab:

- Check SIP User ID for Incoming INVITE: Check this box. (This is for security / call control / reporting purposes.)
- Allow Incoming SIP Messages from SIP Proxy Only: Check this box. (This is for security / call control / reporting purposes.)



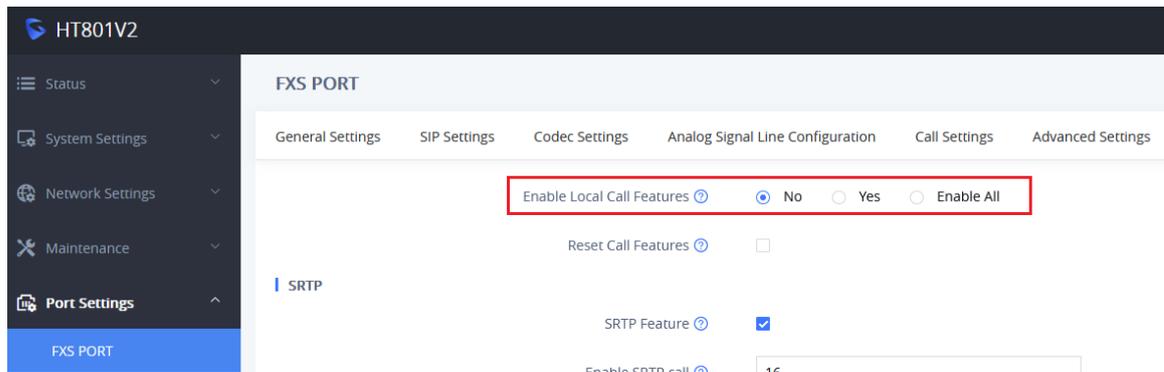
Call Settings tab:

- Dial Plan: See Dial Plan notes at the end of this article.
- Enable Visual MWI: Leave this box unchecked. No voicemail is supported through this device.



Call Features Settings tab:

- Enable Call Features: Set this to No. The iPECS Cloud does not support features enabled on the phone itself; features are supported at the Cloud server level.



Dial Plan Notes...

As this device is used to receive 'calls' to a paging device, it is never used, nor supported, to place outbound calls. Hence no dial plan is required, nor supported. Just leave this as default.

For other configurations, please reference your Grandstream HT801 documentation or contact iPECS Support.
