GRANDSTREAM
CONNECTING THE WORLD

HT801/802/812/814/818 Firmware Release Notes

IMPORTANT UPGRADING NOTE

- **The previous release notes can be downloaded here:**
  HT801/802: https://firmware.grandstream.com/Release_Note_HT80x_1.0.35.4.pdf
  HT812/814: https://firmware.grandstream.com/Release_Note_HT812_HT814_1.0.35.4.pdf
  HT818: https://firmware.grandstream.com/Release_Note_HT818_1.0.35.4.pdf

- **If HT801/802 firmware version is older than 1.0.33.4, users cannot use web UI option "Upload from Local Directory" to upload a firmware file equal to or newer than 1.0.33.4. Please configure web UI option "Firmware Upgrade and Provisioning" to set a valid method for the device to obtain firmware via TFTP/HTTP/HTTPS over the network. Please see section "Upgrading and Provisioning" in** *HT80X Administration Guide* **for details.**

- **Once HT801 HW 4.0A is upgraded to 1.0.29.8 or above, downgrading to lower firmware version is not supported.**

- **Once HT801/HT802 is upgraded to 1.0.27.2 or above, downgrading to lower firmware version is not supported on below HW:**
  HT801: 3.1A
  HT802: 2.0A

- **Once HT801/HT802 is upgraded to 1.0.23.5 or above, downgrading to lower firmware version is not supported on below HW:**
  HT801: 1.1B, 1.1C,
  HT802: 1.6B, 1.6C

- **Once HT801/HT802 is upgraded to 1.0.3.2 or above, downgrading to 1.0.2.x firmware version or lower is not supported.**

- **Once HT801/HT802 is upgraded to 1.0.2.7, downgrading to 1.0.1.x firmware version or lower is not supported.**

- **Once HT812/HT814 is upgraded to 1.0.35.4 or above, downgrading to a lower firmware version is not supported on the below HW:**
  HT812: 4.0A
  HT814: 3.0A

- **Once HT812/HT814 is upgraded to 1.0.31.1 or above, downgrading to a lower firmware version is not supported on the below HW:**
  HT812: 3.0A
  HT814: 2.0A

- **Once HT812/HT814 is upgraded to 1.0.23.5 or above, downgrading to a lower firmware version is not supported on the below HW:**
  HT812: 1.6A, 1.6C, 1.6D
  HT814: 1.7D, 1.7E, 1.7C

- **Once HT812/HT814 is upgraded to 1.0.3.2 or above, downgrading to 1.0.2.x firmware version or lower is not supported.**

- **Once HT812/HT814 is upgraded to 1.0.2.x, downgrading to 1.0.1.x firmware version or lower is not supported.**

- **Once HT818 is upgraded to 1.0.31.1 or above, downgrading to a lower firmware version is not supported on HW 1.6A.**

Table of Content

FIRMWARE VERSION 1.0.37.1

PRODUCT NAME
HT801, HT802, HT812, HT814, HT818

DATE
03/21/2022

FIRMWARE FILE INFORMATION
- HT801 firmware file name: ht801fw.bin
  MD5: 8755aedf0c97a59157c6347cf9b66448
- HT802 firmware file name: ht802fw.bin
  MD5: 19d1d8f0cebe2d224989325aaf59ebcd
- HT812 firmware file name: ht812fw.bin
  MD5: cefd287d6648a48241285b5ef7564c1a
- HT814 firmware file name: ht814fw.bin
  MD5: cefd287d6648a48241285b5ef7564c1a
- HT818 firmware file name: ht818fw.bin
  MD5: b80bc8c0c3c0b3312b16bb421c1052c4

ENHANCEMENT
- Add feature Configuration File Types Allowed [Feature Configuration File Types Allowed].
- Add feature MAC in User-Agent [MAC in User-Agent].
- Add feature Use MAC Header [Use MAC Header].

BUG FIX
- [HT818] Fixed changing the dialing rule may cause the device fail to hook.
- Fixed the device local call features affects dial plan **x+.
- Fixed an issue causing Call Features do not take effect after device reboot.
- [HT818] Fixed devices could not answer the incoming call while change Pvalue.
- [HT81X] Fixed openVPN port can be set to null.
- Fixed an issue causing the system attempt to failback upon DNS query.
- Fixed Fax pass-through failing with firmware 1.0.33.4.
- Fixed "Let's Encrypt" root CA certificate could not be updated.

KNOWN ISSUES
- [HT818] The Authenticate server certificate domain/chain option requires device reboot to take effect.

NEW FEATURES OVERVIEW
This section lists major new features and describes how to use it from the user's point of view.

Configuration File Types Allowed

- **Web Configuration**

User can find the configuration section in Web -> Advanced Settings.

- **Functionality**

This feature allows users to configure provision configuration file type in xml file only or all file types.

Pvalue	Description	Value range	Default
8601	Configuration File Types Allowed	47 - All 48 - XML only	47 - All

MAC in User-Agent

- **Web Configuration**

User can find the configuration section at Web -> FXS Port / Profile

- **Functionality**

This feature allows users to configure "User-Agent" in the SIP header field, when this feature is set to"No", "User-Agent" does not carry a MAC, when this feature is set "Yes except REGISTER", "User-Agent" in REGISTERSIP header field does not carry MAC but other SIP packet header fields carries MAC, when this feature is set to "Yes to all SIP", "User-Agent" in the SIP packet header field will carries the MAC.

- **New P Values**

Pvalue	Description	Value range	Default
26061	MAC in User-Agent (FXS Port 1/ Profile 1)	0 - NO 1 - Yes except REGISTER 2 - Yes to all SIP	0 - NO
26161	MAC in User-Agent (FXS Port 2/ Profile 2)	0 - NO 1 - Yes except REGISTER 2 - Yes to all SIP	0 - NO

Use MAC Header

- **Web Configuration**

User can find the configuration section at Web -> FXS Settings (Profile)

SIP User-Agent Postfix:	
Add MAC in User-Agent:	No
Use MAC Header:	No
RFC2543 Hold:	○ No ● Yes

- **Functionality**

This feature allows users to configure MAC Header in the SIP packet header field, when this feature is set to "No" ,the MAC header field is not carried in the SIP packet header field, when this feature is set to "REGISTER Only", the register packet header field carries the MAC header field but the remaining SIP packets do not carry MAC header fields, when this feature is set to "Yes to all SIP", the MAC header field is carried in the SIP data packet header field.

- **New P Values**

Pvalue	Description	Value range	Default
29090	Use MAC Header (FXS Port 1/ Profile 1)	0 - NO 1 - REGISTER Only 2 - Yes to all request SIP	0 - NO
29190	MAC in User-Agent (FXS Port 2/ Profile 2)	0 - NO 1 - REGISTER Only 2 - Yes to all request SIP	0 - NO