

# HT813 Firmware Release Notes

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## FIRMWARE VERSION 1.0.9.1

### PRODUCT NAME

HT813

### DATE

09/01/2020

### FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin  
MD5: 99aacc1f80bc23142d19e62ac370bfc9

### ENHANCEMENT

- Added feature "DHCP domain name". [DHCP DOMAIN NAMELOAD CA CERTIFICATES]

### BUG FIX

- Fixed device will crash when NAT Traversal is set to STUN.
- Fixed that device does not support IPv6 address without square brackets.
- Fixed after a reboot, there may no audio when making a call, and there is no IVR
- Fixed device will not try to reach GAPS when WAN subnet coincides with default LAN subnet.
- Fixed device will crash when FXO port is doing an PSTN to VoIP incoming call, and FXS port establishes an outbound call or performing a 3-Way conference call.

### NEW FEATURES OVERVIEW

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

#### DHCP DOMAIN NAME

- Web Configuration**

User can find the configuration in Web UI -> Basic Settings.

DHCP domain name:  (optional)

- Functionality**

This feature allows user to configure DHCP domain name. This option specifies the domain name that client should use when resolving hostnames via the Domain Name System.

- New P Values**

Pvalue	Description	Default
P147	DHCP domain name	NULL

# FIRMWARE VERSION 1.0.7.1

## PRODUCT NAME

HT813

## DATE

08/03/2020

## FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin  
MD5: 096aeb84f2e964e816d7e00e3bb2cf41

## ENHANCEMENT

- Added feature “Load CA Certificates”. [LOAD CA CERTIFICATES]
- Increased “SIP TLS Certificate” and “SIP TLS Private Key” supported maximum length from 2048 to 4096.
- Added New Zealand Standard for Pulse Dialing Standard.

## BUG FIX

- Fixed a security vulnerability that device will crash if an attacker sends a TCP message that does not contain a ‘\r’.
- Fixed a security vulnerability that device will crash due to a null pointer dereference when an authentication header is present in the HTTP Get request, but the header is not a well-formed digest message.
- Fixed a security vulnerability that the TR-069 interface hardcodes the nonce and opaque values that the HTTP digest authentication values could be reused.
- Fixed the security vulnerability related to provisioning XML password bypass and command injection.
- Removed gssu commend from SSH.
- Fixed when Internet Protocol is set to IPv6 Only, HT813 will not switch to IPv4 to get registered if IPv6 is not available.
- Fixed HT813 will send SIP requests to default port 5060 when a different port was configured.
- Fixed when set up an admin password longer than 15 characters, the web access will keep showing “Sorry. Your Login Password is not recognized. Please try again.”
- Fixed device does not take port from SRV results when SIP transport type is TLS.
- Fixed incoming calls will reach the destination number after a number of rings different than configured on the HT813
- Fixed incoming call does not work with TLSv1.2
- Fixed distinctive ring tone does not take effect when it is set to more than 9000ms.
- Fixed device could not make a call when use \*19 to disable SRTP per call.

## NEW FEATURES OVERVIEW

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

### LOAD CA CERTIFICATES

- **Web Configuration**

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

*Load CA Certificates:*

- **Functionality**

This feature allows user to specify which CA certificate to trust when performing server authentication.

- **New P Values**

Pvalue	Description	Value range	Default
P8502	Load CA Certificates	0 – Built-in trusted certificates 1 – Custom trusted certificates 2 – All trusted certificates	0 – Built-in trusted certificates

## FIRMWARE VERSION 1.0.5.2

### PRODUCT NAME

HT813

### DATE

04/15/2020

### FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin  
MD5: b2882d93cf659701b132bfa2c1dd9d21

### ENHANCEMENT

- Updated Brazil / Sao Paulo time zone to UTC-3 without Daylight Time Saving.
- Added support for unlimited ring without timeout. When configure “Ring Timeout” to 0, will have no ring timeout
- Added feature “Connection Request Port”. [CONNECTION REQUEST PORT]
- Added feature “SIP User-Agent”. [SIP USER-AGENT]

### BUG FIX

- Fixed when device FXO port “Enable Polarity Reversal” set to Yes, FXO port does not have dial tone when doing PSTN to VoIP calls.
- Fixed the SSH connection will disconnected when enable or disable Telnet.
- Fixed FXO “NAT Traversal” could not be set via TR-069.
- Fixed device TR-069 NAT Traversal AvailableAddressingType does not have UPnP.
- Fixed device TR-069 Device.LAN.AddressingType lack of PPPoE.
- Fixed could DeleteObject or AddObject on ACS server.
- Increase the maximum ptime from 30 to 60 when using codec G729
- Fixed device SNMP host name is HT8XX instead of HT813.
- Fixed DHCP IP Lease Time could be set to negative.
- Fixed device will crash if factory reset via TR-069.
- Fixed PSTN pass through could not detect DTMFs after dial PSTN Access Code.
- Fixed device may OOM when doing upgrade.
- Fixed device LAN DHCP Base IP is not changing automatically when the WAN port receives 192.168.2.1 IP address from the network.

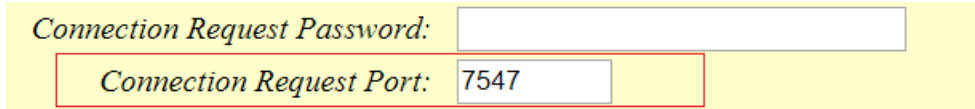
### NEW FEATURES OVERVIEW

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

## CONNECTION REQUEST PORT

- **Web Configuration**

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



Connection Request Password:

Connection Request Port:

- **Functionality**

This feature allows user to configure the TR-069 connection request port.

- **New P Values**

Pvalue	Description	Value range	Default
P4518	Connection Request Port	0 – 65535	7547

## SIP USER-AGENT

- **Web Configuration**

User can find the configuration in Web UI -> FXS/FXO Port.



SIP User-Agent:

SIP User-Agent Postfix:

- **Functionality**

This feature allows users to configure SIP User-Agent. If not configured, device will use the default User-Agent header.

- **New P Values**

Pvalue	Description	Value range	Default
P29071	SIP User-Agent (FXS)	1024 – Max String Length	Null
P29171	SIP User-Agent (FXO)	1024 – Max String Length	Null

## FIRMWARE VERSION 1.0.3.12

### PRODUCT NAME

HT813

### DATE

11/08/2019

### FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin  
MD5: 01a43fbb111953cb53969d0ee02ae7df

### ENHANCEMENT

- Added support for T.38 Fax mode under FXO Port.
- Set the MAC address on syslog to lower case.
- Updated mini\_httpd version to 1.30.
- Added ability to support provisioning server path containing the server authentication credentials for the DHCP option 66. Format should be "username:password@Provisioning\_Server\_IP".
- Added support for DHCP Option 67.
- Updated Dropbear version to 2019.78.
- Updated Pvalue for Automatic Upgrade from P194 to P22296.
- Updated "São Paulo" time zone to UTC-3.
- Added support for GDMS platform.
- Added feature "Allow SIP Factory Reset". [ALLOW SIP FACTORY RESET]
- Added feature "Pulse Dialing Standard". [PULSE DIALING STANDARD]
- Added support for RFC2833 Count. [RFC2833 COUNT]
- Added feature "Disable Weak TLS Cipher Suites". [DISABLE WEAK TLS CIPHER SUITES]
- Added feature "TLS Version". [TLS VERSION]
- Added feature "Allow SIP Factory Reset". [SYSLOG PROTOCOL]

### BUG FIX

- Fixed incoming PSTN call only ring once on FXS port.
- Fixed HT813 will include the outbound proxy as Route in the ACK message which leads to calls disconnection.
- Fixed when there is no rport in OPTIONS, device will send 200 OK to the originating source port instead of the port in the Via header.
- Fixed device did not send PRACK option when "Enable 100rel" set to Yes.
- Fixed device will consistently resolve DNS before every STUN refresh interval.
- Fixed when enable SIP NOTIFY Authentication, device will reboot without sending a 200OK.
- Fixed when downloaded a config file, device could not escape "<, >, \", \", &" symbols properly.



- Fixed device sent SIP requests to outbound proxy 5060 when configured as a different port.
- Fixed Custom certificate provisioning failed using Pvalue P8472.
- Fixed device will keep sending BOOTSTRAP messages to ACS server.
- Fixed TR-069 manufacture field is empty on the INFORM header.
- Fixed dial plan prefix displayed null when set to “.
- Fixed device will crash when Caller ID Scheme set to NTT Japan.
- Fixed encryption xml file could not write to device successfully.
- Fixed when DNS SRV is used, device will send sip Register to wrong SIP destination port.

## NEW FEATURES OVERVIEW

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

### ALLOW SIP FACTORY RESET

- **Web Configuration**

User can find the configuration in Web UI -> FXS/FXO Port.

*Allow SIP Factory Reset:*  No  Yes

- **Functionality**

This feature allows user to reset the devices directly through SIP Notify.

- **New P Values**

Pvalue	Description	Value range	Default
P26015	Allow SIP Factory Reset (FXS)	0 – No 1 – Yes	0 - No
P26115	Allow SIP Factory Reset (FXO)	0 – No 1 – Yes	0 - No

### PULSE DIALING STANDARD

- **Web Configuration**

User can find the configuration in Web UI -> FXS Port.

*Enable Pulse Dialing:*  No  Yes

*Pulse Dialing Standard:*

- **Functionality**

This feature allows users to use Swedish pulse dialing standard.

- **New P Values**

Pvalue	Description	Value range	Default
P28165	Pulse Dialing Standard (FXS Port)	0 – General Standard 1 – Swedish Standard	0 – General Standard

## RFC2833 COUNT

- Web Configuration**

User can find the configuration in Web UI -> FXS Port.

*RFC2833 Events Count:*  (between 2 and 10, default is 8)  
*RFC2833 End Events Count:*  (between 2 and 10, default is 3)

- Functionality**

This feature allows users to customize the count of RFC2833 events and end events.

- New P Values**

Pvalue	Description	Value range	Default
P28173	RFC2833 Events Count (FXS Port)	2 – minimum 10 – Maximum	8
P28177	RFC2833 End Events Count (FXS Port)	2 – minimum 10 – Maximum	3

## DISABLE WEAK TLS CIPHER SUITES

- Web Configuration**

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

*Disable Weak TLS Cipher Suites:*

- Functionality**

This feature allows users to disable weak ciphers.

- New P Values**

Pvalue	Description	Value range	Default
P8536	Disable Weak TLS Cipher Suites	0 – Enable Weak TLS Ciphers Suites 1 – Disable Symmetric Encryption RC4/DES/3DES 2 - Disable Symmetric Encryption SEED 3 - Disable All Of The Above Weak Symmetric Encryption 4 - Disable Symmetric Authentication MD5 5 - Disable All Of The Above Weak Symmetric Authentication 6 - Disable Protocol Version SSLv2/SSLv3	0 – Enable Weak TLS Ciphers Suites

		7 - Disable All Of The Above Weak Protocol Version 8 - Disable All Of The Above Weak TLS Ciphers Suites	
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## TLS VERSION

- Web Configuration**

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

<i>Minimum TLS Version:</i>	Unlimited ▼
<i>Maximum TLS Version:</i>	Unlimited ▼

- Functionality**

These features allow customer to chose desired TLS Version.

- New P Values**

Pvalue	Description	Value range	Default
P22293	Minimum TLS Version	99 - Unlimited 10 – TLS 1.0 11 – TLS 1.1 12 – TLS 1.2	99 - Unlimited
P22294	Maximum TLS Version	99 - Unlimited 10 – TLS 1.0 11 – TLS 1.1 12 – TLS 1.2	99 - Unlimited

## SYSLOG PROTOCOL

- Web Configuration**

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

<i>Syslog Protocol:</i>	UDP ▼
<i>Syslog Server:</i>	<input type="text"/>

- Functionality**

Allow users to customize the Syslog Protocol.

- New P Values**

Pvalue	Description	Value range	Default
P8402	Syslog Protocol	0 – UDP 1 – SSL/TLS	0 – UDP

## FIRMWARE VERSION 1.0.1.2

### PRODUCT NAME

HT813

### DATE

10/05/2018

### FIRMWARE FILE INFORMATION

- Firmware file name: ht813fw.bin
- MD5: abf81fb6f13276bcc6084124efd5c0ba

### BUG FIX

- Fixed device will not unconditional Forward Calls to VoIP when FXO port is unregistered.
- Fixed Fax does not have Re-Invite message and Fax transmitted as Pass Through in T38 mode.
- Fixed device INVITE SDP message carried wrong Vocoder information.