

HT813 Firmware Release Notes

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FIRMWARE VERSION 1.0.11.2

PRODUCT NAME

HT813

DATE

03/03/2021

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 9bbc1f1622661ca001eba6bb2940393f

BUG FIX

- Fixed extreme low audio transmitted randomly.
- Fixed when RTP attack happens, calls have no audio.
- Fixed devices freeze randomly and is HTTP/SSH inaccessible with no dial tone in the attached analog phone.
- Fixed the caller ID is not displayed when receiving incoming calls.
- Fixed if device missed the chance to resolve STUN server host name during booting, STUN fails and will cause calls failure.
- Fixed device could not upgrade via TFTP.
- Fixed device fails to connect to GDMS local deployed environment after restarting.
- Fixed device will obviate the T flag on dial plan.
- Fixed losing connectivity on LAN connected devices on ATA's using PPPoE.
- Fixed when upgrade via HTTPS, if server returns more data than requested in partial content, the provision will fail.
- Added support for more than 2 layers certificate chain loading.
- Fixed with option 43, device could not upgrade via FTPS.
- Fixed when Internet Protocol set to Both, prefer IPv6, device does not send registration after changing the sip transport from TCP to UDP.
- Removed gssu commend from SSH and Telnet.
- Fixed outbound VoIP to FXO slow call setup and loss of audio at start of the call.

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.

Minimum TLS Version:
Maximum TLS Version:

- 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.

Syslog Protocol:
Syslog Server:

- 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.