

HT801 V2/HT802 V2/HT812 V2/HT814 V2/HT818 V2

Firmware Release Notes

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FIRMWARE VERSION 1.0.5.7

PRODUCT NAME

HT801V2, HT802V2, HT812V2, HT814V2, HT818V2

DATE

6/11/2025

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
MD5: 98bceabe8f6c87a6e4ed98393e417c63
- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
MD5: 6a0188d68b297750d75d4d5c09429958

BUG FIX

- Fixed the incorrect CSeq tracking and decrementing during call forking.
- Fixed the outbound call does not retry to Backup outbound proxy when primary becomes unreachable.
- Fixed device "Authenticate Server Certificate domain" couldn't be take effects and unable to reboot via Webul after a TLS call fails.
- Fixed device sending INVITE to wrong proxy.
- Fixed device not validating certificate with outbound proxy.
- Fixed device gs_avs crash issue after running fax performance more than 17 hours.

FIRMWARE VERSION 1.0.5.5

PRODUCT NAME

HT801V2, HT802V2, HT812V2, HT814V2, HT818V2

DATE

4/2/2025

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
MD5: b4539c15287ff75b4787625acbaa4243
- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
MD5: 472bc08f23526c62e96c99b2af8faaab

BUG FIX

- Fixed device issue which fails to download cfg when triggering from the Metaswitch portal

FIRMWARE VERSION 1.0.5.4

PRODUCT NAME

HT801V2, HT802V2, HT812V2, HT814V2, HT818V2

DATE

3/11/2025

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
MD5: 88f14247512b46c06fb7194b8908988d
- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
MD5: 5191d579a36076bfb6307f8838084c4b

BUG FIX

- Fixed the issue of device startup occasionally getting stuck due to certain NAND flash.

FIRMWARE VERSION 1.0.5.3

PRODUCT NAME

HT801V2, HT802V2, HT812V2, HT814V2, HT818V2

DATE

2/28/2025

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
MD5: a7f13bd98c739f8f5edea1880f229f2f
- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
MD5: f94393508f780780cce19e680bf09a2b

ENHANCEMENT

- Added support OpenVPN® failover option. [OpenVPN® Server Secondary]
- Added support for SIP PUBLISH method (RFC 6035).
- Added support for Config Provision Order in Config Provision. [Config Provision Order]
- Added support for Multiple DIDs per FXS Port.
- Added support for Enable Multiple Sampling Rates in SDP telephone-event. [Enable Multiple Sampling Rates in SDP telephone-event]
- Added support for "Hunting Group Registration Mode" on HT81X V2. [Hunting Group Registration Mode (HT81x v2 Only)]
- Added option of "2 – Parallel" for Hunting Group Type(P4395/4396) on HT81X V2.
- Changed the selection to checkbox control for SUBSCRIBE for MWI (P99/709).

BUG FIX

- Fixed device not using DNS replies.
- Fixed the SIGSEGV in reInit_Socket during SIP operation.
- Fixed HT801 and 802 device is unable to respond to ICMP Ping requests.
- Fixed device not supporting using the Swedish Pulse dialing protocol.
- Fixed device keeps sending EAPOL Start when a Linux PC is connected to LAN port in bridge mode.
- Fixed device attempts to fallback during a call with fallback enabled.
- Fixed device missing telephone-event/48000 when using OPUS.
- Fixed Issues with SR140 faxing platform.
- Fixed device cannot blind transfer using feature code *87.
- Fixed device is unable to change password via ACS.

NEW FEATURES OVERVIEW

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

OpenVPN® Server Secondary

Users can find the configuration section in Web -> Network Settings -> OpenVPN® Settings.

OpenVPN® Server Secondary Address 

OpenVPN® Secondary Port 

Randomly Select Server  ☐

- Functionality**

This feature allows users to configure the OpenVPN® Server Secondary Address for the failover. The user could set the OpenVPN® Server Secondary Address and Port and decide if to enable the Randomly Select Server. If it is enabled, a server will be randomly selected in the configuration to start OpenVPN® requests. If closed, requests will be made in the order of server configuration.

Pvalue	Description	Value Range	Default
22597	OpenVPN® Server Secondary Address	String: Maximum length: 253 characters	(Null)
22598	OpenVPN® Secondary Port	Number: 1 - 65535	1194
22599	Randomly Select Server	Number: 0 – No 1 – Yes	0 - No

Config Provision Order

Users can find the configuration section in Web -> Maintenance-> Upgrade -> Provision.

Config Provision Order 

☒ Available 6/6

☒ cfght818v2.xml
☒ cfg.xml
☒ cfgec74d701db70
☒ cfgec74d701db70_ov...
☒ cfgdhcpopt67.xml

☐ Selected 0/0

- Functionality**

This feature allows users to configure the Config Provision Order. After the user disabled “Download and Process All Available Config Files” (P8467), the device will provision the selected configuration files following the configured order.

Pvalue	Description	Value Range	Default
8501	Config Provision Order	String: Checkbox cfg\$mac.xml; cfg\$product.xml; cfg.xml; cfg\$mac; cfg\$mac_override.xml; cfgdhcpcpt67.xml	(Null)

Enable Multiple Sampling Rates in SDP telephone-event

Users can find the configuration section in Web -> Profile-> Codec Settings.

DTMF Payload Type ⓘ

Enable Multiple Sampling Rates in SDP telephone-event ⓘ ☐

Inband DTMF Tx Gain ⓘ

- Functionality**

This feature allows users to configure Enable Multiple Sampling Rates in SDP telephone-event.

Pvalue	Description	Value Range	Default
95007 95107	Enable Multiple Sampling Rates in SDP telephone-event.	Number: 0 – No 1 – Yes	0 – No

Hunting Group Registration Mode (HT81x v2 Only)

Users can find the configuration section in Web -> System Settings-> Basic Settings.

Play Busy Tone When Account is unregistered ⓘ ☐

Hunting Group Registration Mode ⓘ ☒ Active Port Only ☐ All Ports

DHCP Option 17 Enterprise Number ⓘ

- Functionality**

This feature allows users to configure the Hunting Group Registration Mode. When selecting “Active Port Only”, only the active port will be registered within the group; When selecting “All Ports”, all ports within the group will be registered.

Pvalue	Description	Value Range	Default
28912	Hunting Group Registration Mode	Number: 0 – Active Port Only 1 – All Ports	0 – Active Port Only

FIRMWARE VERSION 1.0.3.10

PRODUCT NAME

HT801V2, HT802V2, HT812V2, HT814V2, HT818V2

DATE

1/20/2025

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
MD5: a55e885c4772d5dd082ae9d4c809628b
- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
MD5: f0bf97436913d70ee7d8cf654b7b4c81

ENHANCEMENT

-
- Security enhancements for the HT devices.

FIRMWARE VERSION 1.0.3.8

PRODUCT NAME

HT801V2, HT802V2, HT812V2, HT814V2, HT818V2

DATE

1/9/2025

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
MD5: 720275b04021d0310180621c0aebf8c0
- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
MD5: 91ffcf3bc7376ecf845650a284869bc

ENHANCEMENT

- Add support to initiate a Re-Invite for fax transmission when the fax machine is the sender.
[Re-INVITE Upon CNG Count]

BUG FIX

- Fixed device has the same OUI parameter (C074AD) on DeviceManufacturerOUI under DHCP 125 and DHCP discover.

NEW FEATURES OVERVIEW

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

Re-INVITE Upon CNG Count

User can find the configuration section in Profile -> Codec Settings

Re-INVITE After Fax Tone Detected ⓘ



Re-INVITE Upon CNG Count ⓘ

0

Jitter Buffer Type ⓘ



Fixed



Adaptive

Functionality

This feature allows users to initiate a Re-Invite for fax transmission when the fax machine is the sender.

0: This feature is disabled. Equal to or greater than 1: ATA will initialize the re-invite request when the CNG count is reached. The valid range is [0, 6].

Pvalue	Description	Value Range	Default
P28923	Re-INVITE Upon CNG Count	Number:	0
P28924		0 - 6	

FIRMWARE VERSION 1.0.3.5

PRODUCT NAME

HT801V2, HT802V2, HT812V2, HT814V2, HT818V2

DATE

11/22/2024

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
- MD5: da7d226710e63f8444a2104a8494badc
- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
- MD5: b11c69b94e5b4c3e89d9ebdd128a6a36

ENHANCEMENT

- Added support for 55Vrms Ring Voltage (For New Zealand/Australia) SLIC. (P4234/4235 Ring Power. 0 - 45Vrms default, 3 - 50Vrms, 4 - 55Vrms.)
- Added support for HELD Use LLDP Information. [HELD Use LLDP Information]
- Added support for Enable LLDP. [Enable LLDP]
- Added support for LLDP TX Interval. [LLDP TX Interval]
- Added support for Enable CDP. [Enable CDP]
- Added support for Use Random SIP Registration Failure Retry Wait Time. [Use Random SIP Registration Failure Retry Wait Time]
- Added ability to configure minimum and maximum values for Registration re-try timer. [Random SIP Registration Failure Retry Wait Time: Minimum and Maximum]
- Added support to configure a static DNS SRV record. [Static DNS Cache]
- Added support for firmware upgrade via resync SIP Notify.

BUG FIX

- Fixed device fails to apply configuration using XML template.
- Fixed device OpenVPN settings do not remain after turning off the device.
- Fixed Unit can't establish SRTP Session after re-invite
- Fixed device can hear the voicemail reminder with the off-hook autodial enabled.

NEW FEATURES OVERVIEW

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

HELD Use LLDP Information

User can find the configuration section in Web -> System Settings -> E911/HELD.

HELD Location Types 

HELD Use LLDP Information  ☐

HELD NAI  ☐

Functionality

This feature allows users to configure HELD Use LLDP Information. If "Yes", the information from the LLDP-support switch is used to generate ChassisID and PortID; otherwise, the MAC address of the gateway and phone is used as default.

Pvalue	Description	Value Range	Default
8575	HELD Use LLDP Information	Number: 0 – No 1 – Yes	0 – No

Enable LLDP

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

Enable LLDP  ☒

LLDP TX Interval 

Enable CDP  ☒

Functionality

This feature allows users to configure enable or disable LLDP. It controls the LLDP (Link Layer Discovery Protocol) service.

Pvalue	Description	Value Range	Default
1684	Enable LLDP	Number: 0 – No 1 – Yes	1 – Yes

LLDP TX Interval

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

Enable LLDP  ☒

LLDP TX Interval 

Enable CDP  ☒

Functionality

This feature allows users to configure LLDP TX Interval (in seconds). The valid range is 1 to 3600.

Pvalue	Description	Value Range	Default
22122	LLDP TX Interval	Number: 1 - 3600	60

Enable CDP

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

LLDP TX Interval 

Enable CDP  ☒

Layer 2 QoS 802.1Q/VLAN Tag  

Functionality

This feature allows users to configure enable or disable CDP. If enabled, the device will use the Cisco Discovery Protocol feature.

Pvalue	Description	Value Range	Default
22119	Enable LLDP	Number: 0 – No 1 – Yes	1 – Yes

Use Random SIP Registration Failure Retry Wait Time

Users can find the configuration section in Web -> PROFILE -> SIP Settings -> SIP Basic Settings.

SIP Registration Failure Retry Wait Time ⓘ

Use Random SIP Registration Failure Retry Wait Time ⓘ ☐

Random SIP Registration Failure Retry Wait Time Range ⓘ -

Functionality

This feature allows users to configure Use Random SIP Registration Failure Retry Wait Time. When enabled, the waiting time to resend a registration request in case of SIP registration failure will become a random number in the setting “Random SIP Registration Failure Retry Wait Time Range”.

Pvalue	Description	Value Range	Default
60096 60196	Use Random SIP Registration Failure Retry Wait Time	Number: 0 – No 1 – Yes	0 – No

Random SIP Registration Failure Retry Wait Time: Minimum and Maximum

Users can find the configuration section in Web -> PROFILE -> SIP Settings -> SIP Basic Settings.

Use Random SIP Registration Failure Retry Wait Time ⓘ ☐

Random SIP Registration Failure Retry Wait Time Range ⓘ -

SIP Registration Failure Retry Wait Time upon 403 Forbidden ⓘ

Functionality

This feature allows users to set the range of random wait time before retrying registration after failure. The unit is seconds. Valid values range from 60 to 600 seconds.

Pvalue	Description	Value Range	Default
60097 60197	Random SIP Registration Failure Retry Wait Time Range: Minimum	Number: 60-600 (seconds)	60
60098 60198	Random SIP Registration Failure Retry Wait Time Range: Maximum	Number: 60-600 (seconds)	600

Static DNS Cache

Users can find the configuration section in Web -> Advanced Settings -> Static DNS Cache.

Advanced Settings

Advanced Settings Static DNS Cache

NAPTR SRV A

Add

DNS Cache Name	Time Interval	Operation
		

NAPTR:

Edit

NAPTR DNS Cache Name ⓘ

ⓘ

NAPTR DNS Cache Time Interval (s) ⓘ

300

ⓘ

NAPTR DNS Cache Order ⓘ

0

ⓘ

NAPTR DNS Cache Preference ⓘ

0

ⓘ

NAPTR DNS Cache Replacement ⓘ

ⓘ

NAPTR DNS Cache Service ⓘ

SIP+D2U

ⓘ

Cancel

Save

SRV:

Edit

SRV DNS Cache Name ⓘ

ⓘ

SRV DNS Cache Time Interval (s) ⓘ

300

ⓘ

SRV DNS Cache Priority ⓘ

0

ⓘ

SRV DNS Cache Weight ⓘ

0

ⓘ

SRV DNS Cache Target ⓘ

ⓘ

SRV DNS Cache Port ⓘ

0

ⓘ

Cancel

Save

A:

Edit
×

A DNS Cache Name [?](#)

[?](#)

A DNS Cache Time Interval(s) [?](#)

[?](#)

A DNS Cache IP Address [?](#)

[?](#)

Cancel
Save

Functionality

This feature could let the user configure the DNS Cache Name, DNS Cache Time Interval(s), DNS Cache Order, DNS Cache Preference, DNS Cache Replacement, DNS Cache Service, DNS Cache Priority, DNS Cache Weight, DNS Cache Target, DNS Cache Port, and DNS Cache IP Address for different DNS modes in NAPTR, SRV, and A Record.

NAPTR Settings

Pvalue	Description	Value range	Default
93000 93020 93040 93060 93080 93100 93120 93140 93160 93180 93200 93220 93240 93260 93280 93300 93320 93340	NAPTR DNS Cache Name	String: Max length 512 characters	(Null)
93001 93021 93041 93061 93081 93101 93121 93141	NAPTR DNS Cache Time Interval(s)	Number: 300 to 65535	300

93161 93181 93201 93221 93241 93261 93281 93301 93321 93341			
93002 93022 93042 93062 93082 93102 93122 93142 93162 93182 93202 93222 93242 93262 93282 93302 93322 93342	NAPTR DNS Cache Order	Number: 0 to 65535	0
93003 93023 93043 93063 93083 93103 93123 93143 93163 93183 93203 93223 93243 93263 93283 93303 93323 93343	NAPTR DNS Cache Preference	Number: 0 to 65535	0
93007 93027 93047 93067 93087 93107 93127 93147 93167 93187	NAPTR DNS Cache Replacement	String:	(Null)

93207			
93227			
93247			
93267			
93287			
93307			
93327			
93347			
93005	Service	String:	SIP+D2U
93025			
93045			
93065		Max length 512	
93085		characters	
93105			
93125			
93145			
93165			
93185			
93205			
93225			
93245			
93265			
93285			
93305			
93325			
93345			

SRV Settings

Pvalue	Description	Value range	Default
93008	SRV DNS Cache Order Name	String:	(Null)
93028			
93048			
93068		Max length 512	
93088		characters	
93108			
93128			
93148			
93168			
93188			
93208			
93228			
93248			
93268			
93288			
93308			
93328			
93348			
93009	SRV DNS Cache Time Interval(s)	Number:	300
93029			
93049			
93069		300 to 65535	
93089			
93109			

93129 93149 93169 93189 93209 93229 93249 93269 93289 93309 93329 93349			
93010 93030 93050 93070 93090 93110 93130 93150 93170 93190 93210 93230 93250 93270 93290 93310 93330 93350	SRV DNS Cache Priority	Number: 0 to 65535	0
93011 93031 93051 93071 93091 93111 93131 93151 93171 93191 93211 93231 93251 93271 93291 93311 93331 93351	SRV DNS Cache Weight	Number: 0 to 65535	0
93013 93033 93053 93073 93093 93113 93133 93153	SRV DNS Cache Target	String:	(Null)

93173			
93193			
93213			
93233			
93253			
93273			
93293			
93313			
93333			
93353			
93012	SRV DNS Cache Port	Number:	0
93032			
93052		0 to 65535	
93072			
93092			
93112			
93132			
93152			
93172			
93192			
93212			
93232			
93252			
93272			
93292			
93312			
93332			
93352			

A Settings

Pvalue	Description	Value range	Default
93014	A DNS Cache Name	String: max length 512	(Null)
93034		Characters	
93054			
93074			
93094			
93114			
93134			
93154			
93174			
93194			
93214			
93234			
93254			
93274			
93294			
93314			
93334			
93354			
93015	A DNS Cache Time Interval(s)	Number:	300
93035			
93055		300 to 65535	
93075			
93095			

93115			
93135			
93155			
93175			
93195			
93215			
93235			
93255			
93275			
93295			
93315			
93335			
93355			
93016	A DNS Cache IP Address	String:	(Null)
93036			
93056			
93076			
93096			
93116			
93136			
93156			
93176			
93196			
93216			
93236			
93256			
93276			
93296			
93316			
93336			
93356			

HT80X V2 FIRMWARE VERSION 1.0.1.16

PRODUCT NAME

HT801 V2, HT802 V2

DATE

11/01/2024

FIRMWARE FILE INFORMATION

- HT801 V2/HT802 V2 firmware file name: ht80xv2fw.bin
MD5: afb7bd83ab82f8fc75243c34b0c7597b

This is the initial firmware for HT801 V2 and HT802 V2.

HT81X V2 FIRMWARE VERSION 1.0.1.16

PRODUCT NAME

HT812 V2, HT814 V2, HT818 V2

DATE

10/23/2024

FIRMWARE FILE INFORMATION

- HT812 V2/HT814 V2/HT818 V2 firmware file name: ht81xv2fw.bin
MD5: 127c29b093fbd24ef72737c19f5010cd

This is the initial release version of HT812 V2/HT814 V2/HT818 V2 firmware.