

## HT812/HT814 Firmware Release Note

### IMPORTANT UPGRADING NOTE

- 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.

## Table of Content

<b>IMPORTANT UPGRADING NOTE .....</b>	<b>1</b>
<b>FIRMWARE VERSION 1.0.3.2 .....</b>	<b>3</b>
PRODUCT NAME.....	3
DATE .....	3
IMPORTANT UPGRADING NOTE .....	3
ENHANCEMENT .....	3
BUG FIX .....	3
NEW FEATURES OVERVIEW .....	3
<i>DNS SRV use Registered IP .....</i>	<i>4</i>
<b>FIRMWARE VERSION 1.0.2.7 .....</b>	<b>5</b>
PRODUCT NAME.....	5
DATE .....	5
IMPORTANT UPGRADING NOTE .....	5
ENHANCEMENT .....	5
BUG FIX .....	5
<b>FIRMWARE VERSION 1.0.2.5 .....</b>	<b>6</b>
PRODUCT NAME.....	6
DATE .....	6
IMPORTANT UPGRADING NOTE .....	6
ENHANCEMENT .....	6
BUG FIX .....	6
NEW FEATURES OVERVIEW .....	7
<i>OPUS Payload Type Default Value .....</i>	<i>7</i>
<b>FIRMWARE VERSION 1.0.2.3 .....</b>	<b>8</b>
PRODUCT NAME.....	8
DATE .....	8
IMPORTANT UPGRADING NOTE .....	8
ENHANCEMENT .....	8
BUG FIX .....	8
NEW FEATURES OVERVIEW .....	9
<i>WAN PORT WEB ACCESS.....</i>	<i>9</i>
<i>PASSWORD CHANGE CONFIRMATION .....</i>	<i>10</i>

## FIRMWARE VERSION 1.0.3.2

### PRODUCT NAME

HT812 and HT814

### DATE

1/27/2017

### IMPORTANT UPGRADING NOTE

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

### ENHANCEMENT

- Added option “DNS SRV use Registered IP” to force DNS SRV to use registered IP instead of use the first SRV.
- Changed default NTP server from us.pool.ntp.org to pool.ntp.org.

### BUG FIX

- Fixed If NOTIFY arrives within 32 seconds of last NOTIFY that the device will generate a 500 Error.
- Fixed after device booted up, NTP synchronize will reach MWI SUBSCRIBE expiration and renew SUBSCRIBE immediately.
- Fixed device cannot be provision "SIP Authentication ID" via TR-069
- Fixed problem that sip response status code sometimes displayed in hex number in syslog
- Fixed device cannot get IP if SIP/RTP Layer 2 QoS priority is not set to 0.
- Fixed when device received HTTP 302 redirect to a HTTPS server, device cannot switch to the new IP address.
- Fixed device does not download the firmware and configuration file form option66 server via http and https
- Fixed that in DHCP option 66/160, IP address does not support HTTP and HTTPS prefix but only support default TFTP prefix.
- Fixed device does not carry Proxy-Require field when the proxy is a domain.
- Fixed in PPPoE IP mode, disconnect/connect the uplink network cable will cause the network LED keep blinking.

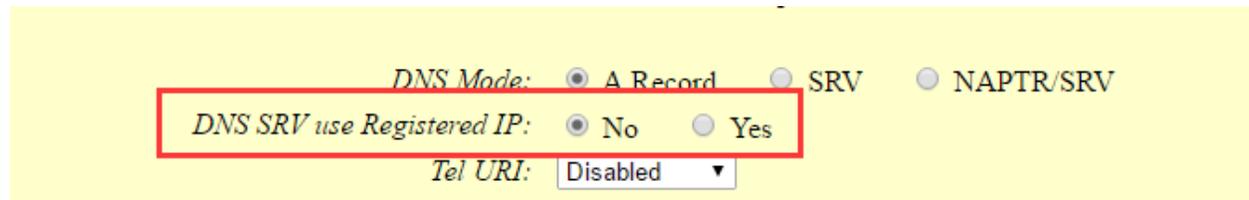
### NEW FEATURES OVERVIEW

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

## DNS SRV use Registered IP

- **Web Configuration**

User can find the re-enter confirm box at Web -> Profile Settings



- **Functionality**

If set this option to “Yes”, when registered on second SRV and making an outbound call, it will try the second SRV (registered IP) first. By default, this option is disabled and the DNS SRV will use first SRV instead of the registered IP.

- **New P Values**

Pvalue	Description	Value range	Default
P28092	DNS SRV use Registered IP. (Profile 1)	0 – No 1 – Yes	0 – No
P28093	DNS SRV use Registered IP. (Profile 2)	0 – No 1 – Yes	0 – No

## FIRMWARE VERSION 1.0.2.7

### PRODUCT NAME

HT812 and HT814

### DATE

11/10/2016

### IMPORTANT UPGRADING NOTE

- For HT812, once upgraded to 1.0.2.7 or above, downgrading to 1.0.1.x firmware version or lower is not supported.
- HT814 is officially released on November 10, 2016, with firmware 1.0.2.5 as the first official firmware and 1.0.2.7 as the first Beta firmware.

### ENHANCEMENT

- None.

### BUG FIX

- Fixed HT81x failed to send 10-page fax.
- Fixed HT81x failed to establish intercom call when callee off hook immediately after ringing.

## FIRMWARE VERSION 1.0.2.5

### PRODUCT NAME

HT812

### DATE

11/01/2016

### IMPORTANT UPGRADING NOTE

- **For HT812, once upgraded to 1.0.2.3 or above, downgrading to 1.0.1.x firmware version or lower is not supported.**

### ENHANCEMENT

- Changed OPUS Payload Type default value to 123 to match other GS products.

### BUG FIX

- Fixed The value of DTMF payload can be set to empty.
- Fixed HT812 would crash after failed attended transfer as transferee.
- Fixed HT812 does not play ring back tone in Broadsoft mode if Call-Waiting Caller ID is Disabled.
- Fixed No CID with callback from call on hold.
- Fixed DUT will play ring back tone after playing call waiting tone.
- Fixed Call audio would become very poor If change RTP mode to SRTP after call transferred.
- Fixed Device did not prompt "Device not registered" when use Spanish IVR.
- Fixed DUT cannot open configure file that download through TR-069.

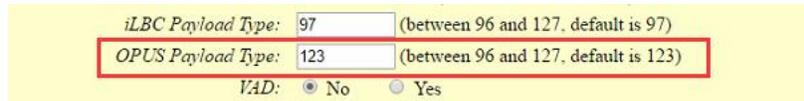
## NEW FEATURES OVERVIEW

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

### OPUS Payload Type Default Value

- **Web Configuration**

User can find the re-enter confirm box at Web -> Profile Settings



The screenshot shows a configuration form with the following fields:

- iLBC Payload Type:* 97 (between 96 and 127, default is 97)
- OPUS Payload Type:* 123 (between 96 and 127, default is 123)
- VAD:*  No  Yes

The *OPUS Payload Type* field and its value '123' are highlighted with a red rectangular border.

- **Functionality**

Change OPUS Payload Type default value to 123.

## FIRMWARE VERSION 1.0.2.3

### PRODUCT NAME

HT812

### DATE

10/05/2016

### IMPORTANT UPGRADING NOTE

- **For HT812, once upgraded to 1.0.2.3 or above, downgrading to 1.0.1.x firmware version or lower is not supported.**

### ENHANCEMENT

- Added network check mechanism to enable or disable WAN port web access. [WAN PORT WEB ACCESS]
- Added a re-enter box to confirm change user and admin password on web GUI to avoid typo or mistakes. [PASSWORD CHANGE CONFIRMATION]

### BUG FIX

- Fixed HT812 cannot off-hook normally when register server is domain and sip transport is TLS
- Fixed call waiting tone only play once.
- Fixed HT812 used an incorrect User-Agent when sending configure file request to UCM.
- Fixed HT812 will play ring back tone after playing call waiting tone.
- Fixed If the value of On Hook Timing set to less than 80ms, the FXS port cannot detect on hook event.
- Fixed After changed sip port, only account 1 will take effect and all other accounts will use random port instead.
- Fixed When setting the language to "Spanish IVR", some options on web page will display Spanish.
- Changed default Call Waiting Tone to f1=440@-13,c=300/10000;

## NEW FEATURES OVERVIEW

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

### WAN PORT WEB ACCESS

- Web Configuration**

These settings can be found at Web -> Basic Settings -> WAN side HTTP/Telnet access:

**NAT/DHCP Server Information & Configuration:**

Device Mode:  NAT Router  Bridge

NAT maximum ports:  (range: 0 - 4096, default is 1024)

NAT TCP timeout:  (range: 0 - 3600, default is 3600)

NAT UDP timeout:  (range: 0 - 3600, default is 300)

Uplink bandwidth:  ▾

Downlink bandwidth:  ▾

Enable UPnP support:  No  Yes

Reply to ICMP on WAN port:  No  Yes (Unit will not respond to PING from WAN side if set to No)

WAN side HTTP/Telnet access:  No  Yes  Auto (WAN side access allowed for private IP; rejected for public IP)

Cloned WAN MAC Addr:       (in hex format)

Enable LAN DHCP:  No  Yes

LAN DHCP Base IP:  (base IP for the LAN port, default is 192.168.2.1)

LAN DHCP Start IP:  (default is 192.168.2.100)

LAN DHCP End IP:  (default is 192.168.2.199)

LAN Subnet Mask:  (default is 255.255.255.0)

DHCP IP Lease Time:  (in units of hours, default is 120 hours or 5 days)

DMZ IP:

- Functionality**

Added an option of "Auto" for WAN side HTTP/Telnet access, and set this option as default value.

If the device is using public IP, the WAN Port web access will be disabled by default.

If the device is using private IP, the WAN Port web access will be enabled by default.

- New P Values**

Pvalue	Description	Value range	Default
P190	WAN side HTTP/Telnet access	0 – No 1 – Yes 2 – Auto (New added)	2 - Auto

## PASSWORD CHANGE CONFIRMATION

- **Web Configuration**

User can find the re-enter confirm box at Web ->Basic Settings/Advanced Settings



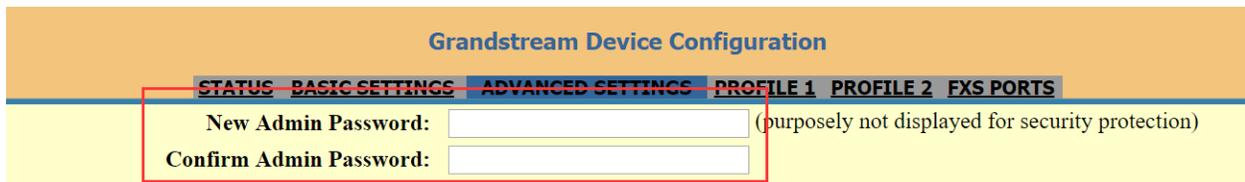
**Grandstream Device Configuration**

~~STATUS~~ **BASIC SETTINGS** ~~ADVANCED SETTINGS~~ ~~PROFILE 1~~ ~~PROFILE 2~~ ~~FXS PORTS~~

New End User Password:  (purposely not displayed for security protection)

Confirm End User Password:

Web Port:  (default for HTTP is 80)



**Grandstream Device Configuration**

~~STATUS~~ ~~BASIC SETTINGS~~ ~~ADVANCED SETTINGS~~ **PROFILE 1** ~~PROFILE 2~~ ~~FXS PORTS~~

New Admin Password:  (purposely not displayed for security protection)

Confirm Admin Password:

- **Functionality**

Allow user to re-enter the password to confirm the password is input correctly.