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## GRANDSTREAM NETWORKS

Firmware Release Notes  
Firmware Version 1.1.0.45  
Product Name: HT-486 / HT-286  
Date: March 2, 2010

### SUMMARY OF UPDATES

The main purpose of this release is addressing stability issues observed in previous releases.

### CHANGES SINCE FIRMWARE RELEASE 1.1.0.42

#### ENHANCEMENTS

- Added support for toll booth application

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Firmware Release Notes  
Firmware Version 1.1.0.42  
Product Name: HT-486 / HT-286  
Date: November 5, 2009

### CHANGES SINCE FIRMWARE RELEASE 1.1.0.37

#### BUG FIXES

- Fixed device rejects all packets coming from backup server when "Use DNS SRV" and "Allow incoming SIP messages from SIP proxy only" are set to "Yes"

#### ENHANCEMENTS

- Added support to disable IVR
- Added MAC address as DevId to HTTP firmware request

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Firmware Release Notes  
Firmware Version 1.1.0.37  
Product Name: HT-486 / HT-286  
Date: June 26, 2009

### CHANGES SINCE FIRMWARE RELEASE 1.1.0.31

#### BUG FIXES

- Fixed T38 not complaint with RFC on some options attributes
- Fixed device has no audio under ring group
- Fixed STUN net connectivity detection stops working under some cable modems
- Fixed syslog uses SIP port 5060 as source port
- Fixed SIP CSeq in SUBSCRIBE doesn't follow RFC to be sequential
- Fixed system crash on very large IP fragmented SIP messages
- Fixed busy tone gain too low
- Fixed polarity changes when DTMF is sent and Polarity Reversal is set to Yes

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Firmware Release Notes  
Firmware Version 1.1.0.31  
Product Name: HT-486 / HT-286  
Date: December 15, 2009

## **CHANGES SINCE FIRMWARE RELEASE 1.1.0.30**

### **BUG FIXES**

- Fixed Finland Caller ID issue with anonymous calls

### **ENHANCEMENTS**

## **CHANGES SINCE FIRMWARE RELEASE 1.1.0.26**

### **BUG FIXES**

- Fixed device doesn't take P246 from configuration file
- Fixed issue with SIP INFO response updating internal contact
- Fixed net connectivity issue with public IP
- Fixed ring-no-answer sends 487 instead of 408
- Fixed "Use STUN keep-alive to detect networks connectivity" will only work if "NAT traversal" is set to yes
- Fixed redial button on Japanese phone doesn't work
- Fixed UK phone flash pulse not recognized
- Removed fax detection timer upon T38 session start

### **ENHANCEMENTS**

- Added support of using STUN to detect NET CONNECTIVITY
- Added web UI on OnHOOK voltage (low/high power)

## **CHANGES SINCE FIRMWARE RELEASE 1.1.0.3**

### **BUG FIXES**

- Fixed Finland Caller ID display issue
- Fixed pressing hook flash disconnect \*00 PSTN call
- Fixed missing CRLF in NOTIFY as transferee
- Fixed Attended Transfer doesn't work if Enable Call Feature is set to No
- Fixed we handle via header incorrectly on response message
- Fixed under some environment SW reboot doesn't function and requires a power cycle
- Fixed device can not register to Dynamic SIP server by using cached obsolete server IP
- Fixes 3-way conference crash issue on (G711 + LBR)
- Fixed RTP padding issue
- Fixed G723/G729 random crash issue
- Fixed DHCP Option 60 string cut off issue
- Fixed PPPoE IP Compression issue
- Fixed HT will pick up any incoming call in offhook idle state
- Fixed we send registration request with empty realm in Authorization header after receiving 423 error code
- Fixed fax pass through does not fall back to G711 from LBC
- Fixed we ignore refresher= if it comes after space
- Fixed router products cannot handle large TCP frame between client and server(reducing MSS of TCP-SYN)

### **ENHANCEMENTS**

- Added fixed DTMF duration of 240ms for SIP Info and RFC2833
- Added Venezuela time zone
- Enhanced LED flashing pattern on error indications
- Added configurable LEC support
- Added support for IVR error code report
- Added support to play receiver offhook tone
- Added support for remote restart via SIP NOTIFY (Event: check-sync)
- Added support for Privacy and P-Asserted-Identity headers for anonymous calls
- Separated HT287/487 Advanced Settings into 2 pages
- Improved security handling when caller sends 180/183
- Added support for BroadSoft special feature
- Added support for G729b (annexb=yes) under BroadSoft mode

#### CONFIGURATION UPDATES

N/A

#### NOTES

**Once upgraded to 1.1.0.x and above, the firmware can NOT be downgraded to any previous releases other than 1.1.0.x.**

**Please REMOVE ALL the files in the TFTP/HTTP server, including the configuration files. (Or use different directory for Firmware versus configuration/provisioning file)**

**Make sure all the files that come with Release\_BT100-HT486-HT286\_1.1.0.15.zip are unzipped into the TFTP or HTTP server.**