

---

## GRANDSTREAM NETWORKS

Firmware Release Notes  
Firmware Version 1.0.3.24  
Product Name: GXV3140  
Date: April 22, 2010

### SUMMARY OF UPDATES

The main purpose of this release is additional features implementing and addressing stability issues observed in previous releases.

### CHANGES SINCE FIRMWARE RELEASE 1.0.3.20

#### BUG FIXES

- Fixed failed to load browser application when it was minimized and then changed the language setting
- Fixed crash problem when pressing PIP key quickly in 3-way video conference call
- Fixed SRTP hold/unhold issue
- Fixed H.263 decoder crash problem if incoming video RTP packets did not set marker bit properly
- Fixed low dial tone volume issue
- Fixed OSD display issue in camera/LCD factory test menu.
- Fixed direct IP soft key was available even though direct IP call was disabled
- Fixed crash issue with invalid H.263 stream from Posterity Tech soft phone
- Fixed SRTP configuration became inconsistent when changed without reboot
- Fixed Web UI login issue if special characters are used for password
- Fixed last SIP URI parameter was not un-escaped
- Fixed GUI crash issue when dismissing multiple notification windows
- Fixed handling of CNG packets with more than 10 coefficients

#### ENHANCEMENTS

- Added XML provision support
- Added GUI customization support
- Added HTTP/HTTPS/FTP proxy support for applications
- Added European language text input support
- Added manual system clock setting
- Added ZTE IMS special feature mode (value 114)
- Added Mobotix special feature mode (value 115)
- Changed video display/PIP mode switching sequence
- Added the support for Alert-Info based paging calls
- Added port range checking for HTTP in Web UI
- Added checking when configuring direct IP call in soft key

---

Firmware Release Notes  
Firmware Version 1.0.3.20  
Product Name: GXV3140

Date: February 14, 2010

## CHANGES SINCE FIRMWARE RELEASE 1.0.3.11

### BUG FIXES

- Fixed GUI crash problem when deleting all stocks while the alarm clock expired
- Fixed video window display problem when playing video file with volume bar on
- Fixed only PCMU/H.264 was used in hold/unhold re-INVITE
- Fixed factory reset default value only enabled PCMU for audio codec
- Fixed outgoing call not cancelled when it had not reached ringing stage and an incoming call was accepted
- Fixed H.263/H.263+ negotiation problem
- Fixed in-audio DTMF issue
- Fixed GUI crash issue when navigating in World Photo application using USB mouse
- Fixed Flickr photo upgrade issue
- Fixed input method could not be changed when adding Flickr account using LCD
- Fixed GUI crash issue when navigating in Photobucket application
- Fixed GUI crash issue when pressing "Back" key after sending SIP instant message
- Fixed attended transfer problem triggered by timing differences
- Fixed Safari browser compatibility issue
- Fixed SSL certificate and key were truncated during provision
- Fixed transfer window could not be cancelled if pressing TRNF and END/CANCEL keys quickly
- Fixed video ring back did not display properly
- Fixed dynamic payload type was not updated after re-INVITE
- Fixed new message tone did not stop if it was also used for ring tone
- Fixed DND label display issue
- Fixed new message reminder window did not pop up when playing Youtube video and a new message came in
- Fixed call forward icon display if call forward was cancelled via star code
- Fixed video loopback issue when playing music file in the background
- Fixed product model display issue in Web UI
- Fixed screenshot directory was not writable in file manager
- Fixed GUI crash issue when running Web browser for a long time
- Fixed slide show issue when using Flickr as the pictures
- Fixed H.264 payload type issue when multiple H.264 payloads were offered in SDP

### ENHANCEMENTS

- Added Czech language support
- Added special mode "China Mobile". The value for the special mode is 113. At present when enabled, the device will ignore P-Asserted-Identify header
- Increased handset loudness to solve Australia audio test issue

---

Firmware Release Notes  
Firmware Version 1.0.3.11  
Product Name: GXV3140  
Date: December 30, 2009

## CHANGES SINCE FIRMWARE RELEASE 1.0.3.10

### BUG FIXES

- Fixed GUI might have a chance to crash when pressing the TRNF key
- Fixed '#' could not be used as send key when in blind transfer mode
- Fixed device freeze problem when it tried to restore the second music ring tone
- Fixed slide show function did not function in Photo Viewer application
- Fixed GUI might freeze if a call came in the same time video playing started
- Fixed "Send Audio" soft key did not work for direct IP call
- Fixed GUI crash issue when in the missed call window and the language setting was changed via Web UI
- Fixed ring tone did not stop if the CANCEL was received before 180 response

---

Firmware Release Notes  
 Firmware Version 1.0.3.10  
 Product Name: GXV3140  
 Date: December 18, 2009

## CHANGES SINCE FIRMWARE RELEASE 1.0.1.18

### BUG FIXES

- Fixed IP Diff-Serv value was set as IP TOS
- Fixed not able to add phonebook record with the same name as other records
- Fixed DTMF transmission issue in early media

### ENHANCEMENTS

- Added support for Weather Forecast localization
- Added Youtube application
- Added Daily Horoscope support
- Added SIP Instant Message sending feature from PhoneBook and Call History applications
- Added feature to allow an Internet Radio channel to be used as alarm clock alert tone
- Added feature to allow account order adjustment
- Added screen saver and slide show display effects
- Added feature to backup and restore user configuration data to/from IPVideoTalk server. This includes phonebook, My Favorite radios, language setting, etc.
- Added the feature to profile user application usage patterns (used applications, time spend per applications, frequency, etc.)
- Added support to retry media playing 3 times before giving up
- Added special effects for LCD display turning on and off
- Added support for SIP message delivery status notification
- Added support to upload photos to PhotoBucket and Phanfare
- Added IP2Location application to lookup and IP address and map it to the city and state
- Added support to scale/stretch customized background images
- Added support for customized screen saver using online photo album and HTTP
- Added GXV3000 style HTTP based screen saver
- Added support for PRACK/100rel
- Added H.264 I Frame reference only
- Added H.264 redundant P Frame for I Frame loss
- Added H.264 packetization mode configuration
- Added screen saver preview support
- Added slide show support
- Added World Photo application
- Added high-resolution snapshot feature under the local loopback
- Added soft keyboard support. This feature is only enabled when a USB mouse is inserted
- Added Video configurations in the LCD settings
- Added support to accept a call as audio only
- Added adaptive cyclic MB intra refresh support and the configuration for network packet loss
- Added SRTP support

- Added "Today" application
- Added phone contact black list support
- Added OpenVPN support
- Added facebook support
- Added support for Grandstream banded USB WiFi dongle
- Added motion detection triggered display "wakeup"
- Added support for video 3-way conferencing
- Added Twitter support
- Added support for video recording
- Added L16-256 audio codec support
- Added sprop-parameter-sets SDP parameter for H.264 to solve compatibility issues with old Broadsoft versions
- Added two new star codes: \*01 to set preferred codec per call and \*02 to force a codec per call
- Added support for H.263 and H.263+
- Added the option to enable/disable motion detection
- Added methods to access minimized applications
- Added support for music ring tones. Only MP3 files are supported
- Added support for video clip uploading to Youtube and PhotoBucket
- Added Weather application
- Added demo soft key for GXV3140 marketing clip.
- Added dialing time options to disable video calling mode