
GRANDSTREAM NETWORKS

Firmware Release Notes

Firmware Version 1.1.3.14

Product Name: GXV3000

Date: June 16, 2008

SUMMARY OF UPDATES

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

NOTE: Once upgraded to 1.1.3.14, unit will not be able to downgrade to any previous releases.

CHANGES SINCE FIRMWARE RELEASE 1.0.1.27

BUG FIXES

- Fixed 408 response does not contain a human readable part "408 Request Time Out"
- Fixed attended transfer will not work as transfer target if call-waiting is disabled
- Fixed when phone is configured using static IP, it will still send DNS query even though the DNS server IP is 0.0.0.0
- Fixed GXV3000 PHONEBOOK and CAMERA buttons do not work under boot-in-browser mode
- Fixed phone cannot go back to Chinese menu after RSTP Streaming if video surveillance on remote side is disabled
- Fixed we do not follow Expires header
- Fixed we fail to resume to normal state after busy-call-forward with call-waiting disabled
- Fixed the MUTE LED will stay blinking if a call is ended while in MUTE state
- Fixed we do not handle 301 for REGISTER correctly
- Fixed no missed call indication
- Fixed SRTP fails for odd-byte RTP frames
- Fixed we respond malformed video SDP when incoming INVITE is without SDP
- Fixed GXV3000 keeps sending out ARP when SYSLOG server IP address is the same as its IP
- Fixed GXV3000 keep trying unregister when server sends 404
- Fixed GXV3000 will try to establish video when being put on hold even the session was established as audio only
- Fixed Venezuela time zone

ENHANCEMENTS

- Added provisioning protection: MENU access is not allowed during provisioning and before initial provisioning completes
- Added audio volume display in OSD
- Added support for "Save to phonebook" from call history
- Added support for "Offhook Auto Dial"
- Added support to allow replace block in the middle of dial plan segment
- Reduced jitter buffer delay by 50ms
- Changed default H.264 level to 2.0
- Changed H.264 bogus packets to use SEI
- Changed default packetization mode to 0
- Added support for phonebook name lookup for call logs
- Added support for Simplified Chinese as an embedded language (no language pack download required), no reboot required if switching to Chinese or English (reboot required if switching to downloaded language)
- Added the support for tone remapping filter. The P-value is 948

- Included load64 1.1.3.2
- Changed Phonebook MENU background color to white for consistency
- Change all code filename suffix to 'b'

CONFIGURATION UPDATES

N/A

NOTES

1.1.3.14 can not be downgraded to any previous releases.

CHANGES SINCE FIRMWARE RELEASE 1.0.1.20

BUG FIXES

- Fixed attended transfer issue
- Reset H.264/H.263 decoder when incoming RTP SSRC changes
- Fixed H.263+ crash problem with Eyebeam
- Fixed MUTE/DEL button not effective in the browser mode
- Fixed remote and local hold problem
- Fixed boot loop problem when default web page is set to blank
- Fixed IP address refresh problem
- Fixed DHCP failure when cable is not connected during reboot
- Fixed Call-Info header syntax when generating paging request
- Fixed H.264 encoder may generate two adjacent IDR frames
- Fixed SRTP parameter not sent when receiving 183 without SRTP
- Fixed memory corruption caused by heavy TCP traffic
- Fixed RTP padding bit support

ENHANCEMENTS

- Changed the screen capture to use BMP format instead of YUV
- Added the support for asymmetric dynamic payload type
- Added the support for VGA resolution decoding
- Added +sip.instance and reg-id parameters in SIP REGISTER request according to sip-outbound draft
- Enabled camera sharpening filter
- Added full H.263 decoder support (experimental)
- Showed boot up screen when start up
- Added STAP-A decoding support for H.264
- Added the support for RTSP streaming using H.264 (RFC3984). The following fields are added:
 - Streaming RTSP Server (P953)
 - Streaming RTSP User ID (P954)
 - Streaming RTSP Password (P955)

This feature can also be used to view surveillance video from another GXV-3000 or GXV-410X. After these fields are configured, users can go to LCD menu and start the RTSP client to see the video.
- Added *78 call pickup for PingTel SIPExchange
- Added the support for HTTP based network screen saver. There are two P values added: P943 to turn it on and off and P942 for server URL. The image must be JPEG base line with dimension of 320x240. Adobe Photoshop processed images are known not to work with GXV-3000.
- Added the support for weather forecast. There are two P values added: P945 to turn it on and off and P944 for server URL. A test server is available at 67.153.142.74/weather/weather.php. This server only supports US weather forecast query. For example, to query for zip code 02446, the server URL shall be configured as 67.153.142.74/weather/weather.php?z=02446. The XML schema is provided with the release.

- Added the support for RSS 2.0 feed. There are two P values added: P947 to turn it on and off and P946 for server URL.