
GRANDSTREAM NETWORKS

Firmware Release Notes

Firmware Version 1.0.1.110

Name of Product GXP2100/GXP2110/GXP2120/GXP1450/GXP1400/GXP1405/GXP1100/GXP1105

Date: January 5, 2012

SUMMARY OF UPDATES

The main purpose of this release is to address the remaining issues observed in previous releases.

CHANGES SINCE FIRMWARE RELEASE 1.0.1.108

BUG FIXES

- Fixed GXP2120 freezing with extension board when receiving multiple incoming calls continuously
- Fixed 3-Way Conference cannot disconnect conversation under certain conditions
- Fixed phone cannot hold/resume after another incoming call if "SIP Server" and "Secondary SIP Server" are configured the same
- Fixed phonebook entries not sorted after downloading phonebook XML file
- Fixed phone book does not display last name
- Fixed phone does not display registration icon when SIP registration option is disabled
- Fixed dial tone or DTMF tone can be heard in calling status
- Fixed phone crashes when pressing DTMF at the time of another call coming in
- Fixed phone would slow down and eventually crash with certain 301/302s
- Fixed GXP2110 freezes when idle for some time
- Fixed not displaying holding line's information when line2 is on hold and if there is incoming call on line1 on GXP1400

ENHANCEMENTS

- Added Handset TX gain web control
- Added configuration file save/download from web GUI
- Added password confirmation on web
- Added an option to ring both the Speaker and Headset when the phone is set to Headset mode
- Added account name on display for GXP140x

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Firmware Version 1.0.1.108

Name of Product GXP2100/GXP2110/GXP2120/GXP1450/GXP1400/GXP1405/GXP1100/GXP1105

Date: November 12, 2011

CHANGES SINCE FIRMWARE RELEASE 1.0.1.83

BUG FIXES

- Fixed phone crashes after receiving BS eventlist Notify message
- Fixed GXP1400 cannot do factory reset correctly

- Fixed BroadSoft interop: Directed Call Pickup fails when MPK User ID is not configured as extension number
- Fixed GXP2100 failed to lookup Caller Name from Phonebook
- Fixed Reconf softkey is invalid
- Fixed device requests a wrong name when download a phonebook xml or screen xml
- Fixed WEB page displays lack a sentence after updating
- Fixed message softkey displays "HANDSET" in Diagnostic Mode
- Fixed Monitor mode choosing Eventlist BLF and BLF causes LED show abnormal
- Fixed BLF related performance issue
- Fixed cannot remove existing/duplicate LDAP directory entries
- Fixed BroadSoft interop: GXP140x fails to display both Caller ID name and number
- Fixed BroadSoft interop: GXP140x Phone crashes after updating "Line Key" mode
- Fixed SRTP keylength32 not setting correctly, leading to interop failure with Snom
- Fixed GXP1450: Phone stops playing audio if CODEC is changed
- Fixed high pitch noise when receiving invalid CN packets
- Fixed [TR-069] SetParameterValues problem
Device.VoiceService.1.VoiceProfile.1.SIP.RegistrarServer
- Fixed phone crashes when receiving inactive in early media
- Fixed phone sends wrong register request after network recovery
- Fixed Session-timer not working as expected (caller doesn't go back to idle)
- Fixed phone web UI shows HTML code when input "<>"
- Fixed cannot send the number via "Send" button
- Fixed IP address isn't come back to 0.0.0.0 when pull up phone's cable
- Fixed Transfer fails when setting Dial Plan Prefix
- Fixed audio quality issue under certain conditions

ENHANCEMENTS

- Enhanced Blind Transfer operation, no SEND key is required at the last step
- Added support on configuring feature code on Multi-Purpose Keys
- Changed date format to day-month-year
- Added flash key support for 3-way conference on GXP11xx
- Added support for two accounts for GXP1400/1405
- Added fixed Jitter Buffer support
- Added support for "Check SIP User ID for incoming INVITE"
- Added 802.1 setting validation on the web

Firmware Version 1.0.1.83

Name of Product GXP2100/GXP2110/GXP2120/GXP1450/GXP1400/GXP1405

Date: July 26, 2011

CHANGES SINCE FIRMWARE RELEASE 1.0.1.66

BUG FIXES

- Fixed Attended Transfer sometimes fails with OpenSER
- Fixed GUI crash when input last name or first name or phone number until user cannot add
- Fixed all Call History will disappear when Call Log is set as Disable
- Fixed cannot unlock the unit after setting provider lock option
- Fixed phone freezes when getting a call from gxp280 with Chinese SIP display name
- Fixed phone freezes when input non-UTF characters
- Fixed 3CX Interop : GXP21xx TLS issues
- Fixed phone crash with Call Park
- Fixed no IP shown under Status page when using VLAN

- Fixed soft key "SignIn" changed to a black rectangle (occurs on gxp2120/2110/2100)
 - Fixed cannot return to idle status via speaker button or EndCall soft key
 - Fixed ACS Connection Request Password field shows its value
 - Fixed phone displays registration true when account registration is not enabled
 - Fixed LCD shows speaker icon after pressing *30 under onhook mode
 - Fixed phone does not recognize 96 as a valid dynamic payload type number
 - Fixed two transfer records after doing a transfer
 - Fixed GUI crash during language switching
 - Fixed phone might force to reboot when GUI is too busy on handling other operations
 - Fixed GUI crash during web UI update while on a call
 - Fixed memory leak due to the SIP Account configuration reload after updating from web
 - Fixed white screen on reboot (core)
 - Fixed GXP21xx : Last digit in star codes not displayed on screen
 - Fixed SIP/TLS, SIP/TCP SIP parser failed to respond to incoming SIP messages
 - Fixed on hook dialing * function display unusual
 - Fixed unconditional transfer cause one-way radio
 - Fixed press an idle line when conversation used SRTP cause GUI crash
 - Fixed missed call soft key displays after deleting the record
 - Fixed phone response slowly when there are mass of phonebook records or call records (lowered records to 500 for GXP1400)
 - Fixed * and # can't be used as user ID in MPK
 - Fixed noise when used SRTP
 - Fixed Polish language display is bold and with missing characters after reboot
 - Fixed Vol=0 passes small voice and small tone
 - Fixed LCD freeze when conversation used iLBC
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- Fixed Hold and Unhold cause one-way radio
 - Fixed GUI crashed when pressed Backspace(when there exist some numbers) in Factory reset option, also fixed GUI crashed when pressing backspace+cancel softkey in Config Server input
 - Fixed phone uses speaker instead of handset when 2 accounts members of same ring group registered in same phone
 - Fixed we need press flash two times to change lines
 - Fixed Dial DTMF does not work
 - Fixed GXP1450: Phone stops playing audio if CODEC is changed
 - Fixed GXP2100 (possibly others) crashes on call-waiting call when the caller exists in the phonebook (only specific case)
 - Fixed Phone keeps playing Ring Back Tone even after receiving 200 OK
 - Fixed Idle screen softkeys disappear when configuring ACS setting
 - Fixed Handset/Speaker icon wrongly displayed while picking up with AnswerCall key
 - Fixed callreturn can't be saved and doesn't work after reboot
 - Fixed Recalibrate sidetone gain
 - Fixed still appear missed call softkey after removed all call records
 - Fixed language doesn't display fully and cannot change language from English to others
 - Fixed dimly lit LED LINE2 during boot on GXP1450
 - Fixed cancel softkey is not working and LED does not turn off
 - Fixed re-set SRTP option only when the phone has ReferDialogId
 - Increased maximum allowed SIP message size from 10k to 64k (allowing handling large eventlist NOTIFY)
 - Fixed uninitialized variable in SRTP receiver thread. Add warning on decrypt error
 - Fixed we send BYE to target when transferee hang up a call before target answers
 - Fixed phone stuck and cannot reboot when provision happened in dialing mode
 - Fixed RTP reconfiguration bug
 - Fixed no audio after a failed transfer if BYE came before end of new call
 - Fixed LED for line 1 is in green, even though we press line 2
 - Fixed GXP2100 displays duplicate CallerID when a matching number entry exists in phonebook.
 - Fixed 3CX PnP feature

- Fixed the multicast PnP SUBSCRIBE does not go out if first account is set to use non-UDP transport (TCP or TLS)
- Fixed the multicast PnP SUBSCRIBE does not go to the multicast address if first account is configured with an outbound proxy server
- Fixed Removed Manually Edited Entries on Reboot
- Fixed couldn't show 2nd DNS server address on GUI
- Fixed phone crash when receiving 423 for BLF/Presence SUBSCRIBE
- Fixed when two or more keys are pressed at the same time might result the phone unable to handle the correct key release event
- Fixed long digit tone issue after release of key press.
- Fixed wrong dial plan input error from web might erase the value without reset it to default
- Fixed occur one-way audio and caller give up the call itself
- Fixed web double colons showed under first voice decode selection issue
- Fixed IVR notification for network address issue
- Fixed can hear custom tone after call established
- Fixed during call, after "Downloading" warning window, call screen is not responsible.
- Fixed cannot switch to PCMU when RFC2833 event payload type is not configured
- Fixed LCD config menu sip account page always display account in English
- Fixed account name does not translate after switching language if account name is empty
- Fixed gxp21xx to display the missing strings in translated language file to display in English string

ENHANCEMENTS

- Added easy conference feature
- Add configuration option to choose SIP/SIPS when using SIP/TLS
- Extended the length of Firmware Server Path field
- Added support to protect ACS and SSL fields when provider lock is set
- Added volume indicator on the screen when adjust volume using volume up/down keys
- Added Keypad Lock feature on GXP1400
- Added "Call Features" menu option to display Call Forward status for all accounts
- Added 3rd line display to GXP1450 when phone is ringing and has only one line in use
- Added support for LED displaying fast blinking green for eventList BLF initiator/proceeding state under BroadSoft mode
- Added support for displaying Message Waiting Count in LCD
- Added functionality to delete all call history at once
- Added IPv4 network address validations to web configuration page
- Added blinking MSG LED during provision
- Added RTL support in idle screen XML
- Added RTL support in web configuration
- Allowed the use of Redial key as Send key when there is already any input in the dial buffer
- Added syslogs for displaying IP failure after getting IP using PPPoE
- Added support for Chinese City name in weather screen
- Added support to override the re-registration time
- Added support for Broadsoft Feature Key Synchronization
- Added support for BroadSoft Network Conference
- Added support for Arabic language
- Added support for Hebrew language
- Added support for x-gs-screen event from SIP NOTIFY message in GXP21xx/1450
- Added scaling to reduce Handsfree 'PuPu' sound
- Added support for PIN Lock feature
- Added support for "Search" function in phonebook

KNOWN ISSUES

- XML Application is not working

CHANGES SINCE FIRMWARE RELEASE 1.0.1.64

- Fixed implied transfer when switch lines (Fixed sometimes will show IdleScreen and line1 is green)
- Fixed cannot input a right alphanumeric as user ID in MPK after received 'Enter alphanumeric'
- Fixed problem for AutoCF-2, AutoCF-10, AutoCF-11
- Added Hungarian, Polish and Slovenian support
- Fixed no audio on 5th call for GXP2120.
- Fixed session timer is not set correctly when receiving re-INVITE with replaces
- Added Syslog for dialog XML entity URI parsing error.

CHANGES SINCE FIRMWARE RELEASE 1.0.1.62

- Fixed GUI will crash if set name to more than 30 special character in web page
- Fixed GUI crash when doing transfer
- Fixed use special Chinese characters as DTMF cause transferor and transferee's GUI crash
- Fixed phone will reboot if fresh web page when use Firefox
- Fixed cannot save account configuration via MENU
- Fixed potential memory leak when downloading phonebooks with very long strings

CHANGES SINCE FIRMWARE RELEASE 1.0.1.61

BUG FIXES

Changes:

- Add 489 handler for subscriptions. We will cease retrying SUBSCRIBE if we receive 489 for that event.
- Fixed MPK Dial DTMF with special keys cause LCD lock up
- Protect against calling string functions with NULL strings.
- Added syslog to verify reboots are indeed triggered
- Fixed GXP1450 has display issue on idle screen and call screen
- Fixed LCD doesn't display error message when offhook using handleset, if "Offhook Auto Dial" number doesn't match dial plan.
- Fixed bad voice after switch from G.726-32 IETF packing to ITU and back to IETF—changing the packing mode will now work without a reboot (listed as a known issue in 1.0.1.61) which would have been a problem if you have one account using IETF and another using ITU.
- Fixed displaying overlap (add options under call log menu)
- Added output keypress syslog to capture the actual keypad event
- Fixed iLBC crash issue with large ptime
- Fixed poor audio quality with ptime larger than 60
- Fixed LCD temporarily freezes on 4-way conference hang up until an incoming call comes in
- Fixed BLF keys does not work properly
- Fixed cannot set time

ENHANCEMENTS

- None

CHANGES SINCE FIRMWARE RELEASE 1.0.1.59

BUG FIXES

- Fixed iLBC crash issue with large ptime
- Fixed poor audio quality with ptime larger than 60
- Fixed LCD temporarily freezes on 4-way conference hang up until an incoming call comes in
- Fixed BLF keys does not work properly
- Fixed cannot set time

ENHANCEMENTS

- Added support for G.726-32 Packing Mode

CHANGES SINCE FIRMWARE RELEASE 1.0.1.56

BUG FIXES

- Fixed Italian translation issue reported by customer
- Fixed LCD freeze issue under certain conditions
- Fixed freeze issue when download or clear Custom SCR
- Fixed GXP2120 no audio after multiple lines on HOLD
- Fixed time zone default setting problem—after factory reset it should be set to “Automatic” with fail-over default set to Eastern Time

CHANGES SINCE FIRMWARE RELEASE 1.0.1.26

BUG FIXES

- Fixed GXP21xx Phone doesn't display weather in Celsius
- Fixed phone crash when disconnection network link under weather page
- Fixed cannot see the numbers when dialing to establish a second conversation
- Fixed Transferred Calls do not display name from phonebook
- Fixed DHCP Option 66 not working
- Fixed HTTPS mode cannot save
- Fixed BroadSoft interop: add support for displaying Advice of Charge in LCD
- Fixed BroadSoft interop: phone fails to auto-answer a click-to-dial second call from Call Manager
- Fixed XML Phonebook with 10+ digits causes phone to freeze and not boot-up
- Fixed icon display error under certain conditions
- Fixed after reboot two times, phone changed getting IP form PPPoE to DHCP
- Fixed GUI crashed when press "fwd all" softkey and onhook dialing
- Fix provision starts while call in progress. Wait until all calls finish before performing provisioning
- Fixed onhook dialing caused GUI crash
- Fixed GXP1450 cannot unlock keypad under NULL password
- Fixed update configuration many times caused GUI crash
- Fixed GXP1450 dial phone number caused it disappear
- Fixed XML phonebook previous entries not deleted
- Fixed cannot download Ring Tone by HTTP
- Fixed SUBSCRIBE expiration was different from Register Expiration
- Fixed HTTP upgrade reboot loop
- Fixed phone crashed on pressing menu key
- Fixed unable to display remote number for incoming/outgoing calls (under onhook dialing mode)
- Fixed phone crashed on receiving SUBSCRIBE request
- Fixed no option of configuration on LCD menu

- Fixed phone did not display Caller ID on LCD
- Fixed onhook dialing on non-idle screen caused LCD display error
- Fixed call timer of long time conversation didn't display fully
- Fixed cannot see DTMF digits
- Fixed dialog box of "applying new configuration" didn't display fully
- Fixed EXT speed dial was not valid
- Fixed noise issue with busy call back
- Fixed Index value error in re-invite when use intercom to establish a second call
- Fixed GXP2120 Phone crashed when selecting "status" from keypad
- Fixed there are two different results when setting "Enable TR-069" to "Yes"
- Fixed lose registration issue under certain conditions
- Fixed no-audio with SRTP
- Fixed entering password more than 12+ digits caused phone crash
- Fixed date didn't display fully in call history
- Fixed during Attended Transfer with SRTP, transferee heard noise
- Fixed during Attended Transfer with SRTP, transfer target cannot hear transferee
- Fixed pressing MPK with "Dial DTMF" mode or "Enable MPK sending DTMF" did not send complete DTMF events via SIP INFO
- Fixed call logs could reappear after reboot
- Fixed phone responded 488 when choosing SRTP mode as "Optional" on caller and "Enabled and forced" on callee
- Fixed phone cannot use Multi Purpose Key to send DTMF when "Disable in-call DTMF display" is set to "Yes"
- Fixed cannot redial after Blind Transfer
- Fixed Call Pickup failed on GXE
- Fixed Blind Transfer failed on GXE
- Fixed 3CX interop : GXP21xx displays missed call when call queue answered from elsewhere
- Fixed 3CX Interop: UPnP provisioning
- Fixed 3CX Interop : BLF pickup not working
- Fixed 3CX Interop : TLS issues
- Fixed 3CX Interop: BLF treats caller (direction=initiator, state=early) as ringing (flash red) instead of busy (solid red)
- Fixed 3CX Interop: lost registration problem (related to BLF)
- Fixed LCD display update had 2-5s delay when a call come in
- Fixed transferor cannot recover the conversation with transferee when use "SRTP" on Blind Transfer
- Fixed phone crashed with Call Park after web configuration update from GXE registration to OpenSER registration
- Fixed PPPoE account name with some special characters caused the phone not to boot up
- Fixed phone cannot save phonebook after reboot
- Fixed cannot add phonebook after reboot
- Fixed incorrect value used for sendrecv configuration
- Fixed phone cannot hear prompt with onhook dialing *30
- Fixed choppy audio during start of conversation
- Fixed noise issue when press 0 to send DTMF
- Fixed phone did not send DTMF info in early media
- Fixed cannot change in web GUI, set P64 to other values caused reboot loop
- Fixed GXP phone responded with "486 Busy Here" when number of dialog added up to 15+
- Fix progress bar displayed after reboot due to configuration change
- Fixed the first account can affect the other accounts when choosing Special Feature "HUWEI IMS"
- Fixed repeatedly use MPK to send DTMF via SIP INFO caused phone crash
- Fixed crash issue cause by music ring tone
- Fixed LCD lockup issue on answering multiple calls
- Fixed BLF Call Pickup prefix issue

- Fixed phone as transferee doesn't go back to idle after transfer target terminate the call if transferor doesn't send BYE to transferee after received final NOTIFY
- Fixed blind transfer one-way audio issue and display/store wrong remote number issue
- Fixed doing factory reset from LCD MENU may not clear all configuration contents
- Fixed when disabled Call Logging in web UI, call logging did not turn off. Also, when disable call logs, previous call logs were erased
- Fixed a scenario where we stopped registration after the SIP server is down for a long period of time
- Fix dialog matching problem causing auto answer fail
- Fixed echo issue when RTP is sent to itself
- Fixed transferee didn't send INVITE to transfer target after receiving REFER using TLS
- Fixed phone accepted BLF NOTIFY which had Dialog-Info element with version older than the latest processed
- Fixed SIP Registration failed when no Authenticate ID is configured (should use SIP User ID implicitly instead)
- Fixed phone did not play DTMF tone from remote when in conference
- Fixed softkey state mismatch issue
- Fixed only check for firmware upgrade if pre/postfix changes
- Fixed GUI crashed during downloading phonebook when using an incorrect domain name
- Fixed we allow user to reboot the phone from the web UI even while in call. We will now wait until the call ends.
- Fixed directs IP calling crashed when press # and *
- Fixed # dialed out during Blind Transfer even though # is not used as dial key
- Fixed time display on LCD not updated via NTP
- Fixed Spanish date display issue (caused by bad translation string)
- Fixed when using "configured IP", can't make call after TCP connect gets [RST, ACK] response

ENHANCEMENTS

- Added call history writing enhancement
- Added feature to allow disabling weather, stocks, and/or currencies
- Added support to display forwarded call
- Added CBCOM mode
- Added support for TR-069
- Added support for AKAv1-MD5 authentication
- Added support to Polycom-style Call-Info header
- Added new feature to allow manually input time/date
- Added sorting when displaying call logs to prevent any miss-ordering
- Added three Mexican time zones with each DST
- Added support for Asterisk's out-of-box paging/intercom
- Added "Dial DTMF" mode to multi-purpose keys (GXP21xx only)
- Changed GXP2110 default LCD contrast from 10 to 7 (factory reset only)
- Changed Russian font and translation file per customer request
- Enabled Star key keypad locking on all models (only available to GXP1450 prior to this)

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Firmware Release Notes
 Firmware Version 1.0.1.26
 Name of Product GXP2100/GXP2110/GXP2120
 Date: November 16, 2010

CHANGES SINCE FIRMWARE RELEASE 1.0.0.44

BUG FIXES

- Fixed GXP21xx Presence watcher does not work with Nortel server
- Fixed BroadSoft interop issue: Barge-in is not possible if SIP user ID contain '_' character
- Fixed BroadSoft interop issue: GXP2120 offers SRTP in SDP even when it is disabled after receiving INVITE without SDP
- Fixed phone doesn't display name info if meet tel format in PAI
- Fixed GXP21xx phones do not play voice in conversation when update web page information
- Fixed number via on-hook dialing will not be sent after SPEAKER button is pressed
- Fixed PPPoE does not work
- Fixed key presses gets queued during bootup
- Fixed if no mac item in XML provision file it will not write in
- Fixed phones do not send DTMF during early media
- Fixed phone cannot use speaker button to hang up under onhook dial mode
- Fixed GXP21xx crashes after configuration update and callqueue sign-in
- Fixed GXP2100 second incoming caller ID display covered by soft key
- Fixed phone sends DNS query for "0" when Config Server Path is empty
- Fixed INVITE for INTERCOM on shared line always use appearance-index=1
- Fixed gxp21xx cannot configure "Firmware Sever" with IP add port via LCD
- Fixed ForwardAll invalid when Authenticate ID is blank
- Fixed extension board issues

ENHANCEMENTS

- Added indication for registered, unregistered account status
- Added support for Russian and Croatian
- Added support for applying changes immediately for most variables without reboot including SIP account information
- Added stock and currency tabs to idle screen
- Added web configuration for stock and currency update (Basic Settings page)
- Added restriction to only accept UTF-8 as encoding in XML provision file
- Added support for Portuguese
- Added support for grayscale enabled idle screen GUI
- Added support for RFC5922 (SSL certificate validation)
- BroadSoft interop: Added support for displaying Advice of Charge in LCD
- Increased Display of Numbers for Call History
- Increased RFC2833 digit duration to minimum of 100ms, fixed RFC2833 DTMF not always working
- Changed "user ID is phone number" option to "Tel Uri" so that user can disable it, use existing "user=phone" option or enable "tel uri" in INVITE request