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**GRANDSTREAM NETWORKS**  
Firmware Release Notes  
Firmware Version 1.0.1.55  
Product Name: GXV3175v2  
Date: August 8, 2013

#### **CHANGES SINCE FIRMWARE RELEASE 1.0.1.54**

##### **BUG FIXES**

- Fixed Web UI background color
- Fixed no dial-tone when off-hook during Internet radio playback
- Removed Turkish language from the language list

##### **ENHANCEMENTS**

- Added P-value configuration for HDMI default resolution.  
P1698: Default HDMI resolution. Possible values: 0 - 800x600, 1 - 480P
- Added P-value configuration to disable configuration wizard.  
P1532: Control the display of configuration wizard. Possible values: 0 - Disable, 1 - Enable
- Added P-value configuration to hide call info in full screen mode.  
P22001: Hide video call info. Possible values: 0 - No, 1 - Yes

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Firmware Version 1.0.1.54  
Product Name: GXV3175v2  
Date: July 26, 2013

##### **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 1.0.1.46**

##### **BUG FIXES**

- Fixed GUI crash issue when using Flickr or World Photo as screen saver
- Removed Chinese on line video application due to content availability issues
- Fixed display issue when closing camera and pressing "pip" in video conversation
- Fixed no IP when using static IP and disconnecting Ethernet cable
- Allowed extra ASCII characters for PPPoE username and password
- Fixed tone playing issue after playing Internet Radio
- Fixed no incoming call indication after starting video but refused
- Updated Twitter API version
- Fixed dialing pad not showing during remote ringing
- Removed "Download server URL is invalid" message when booting
- Removed Tudou application. The API is no longer supported by the vendor
- Fixed Last.FM not working without a play list
- Fixed RTP Marker bit was always set for RFC2833 packets

- Fixed redial not working for direct IP call if one octet is 0
- Fixed broken last.FM support due to API changes
- Fixed SRTP auth tag calculation when the payload size was odd number
- Fixed slow system performance when using H.264/G.729 to build 3-way conference
- Fixed reboot loop with duplicate Pvalues in XML config file

## ENHANCEMENTS

- Added the support for PC Port VLAN
- Added the option to omit charset attribute in SIP Content-Type header
- Added the option to use PPI and Privacy headers

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Firmware Version 1.0.1.46

Product Name: GXV3175v2

Date: March 12, 2013

## CHANGES SINCE FIRMWARE RELEASE 1.0.1.38

### BUG FIXES

- Fixed no first page number in online video application
- Fixed interop issues with Windows LDAP server
- Fixed no audio issue with Internet Radio applet
- Updated Tudou API
- Fixed WiFi might be enabled automatically if no Ethernet connection and the user had chosen to disable WiFi
- Fixed IP2Location did not work with HTTPS proxy
- Fixed not switching to WiFi after losing Ethernet connection in PPPoE mode
- Fixed display issues when removing icons from call interface
- Fixed display issues when turning off camera and changing PIP mode in video calls
- Fixed line tab display issues when having two calls
- Fixed display issues in a 3-way conference and then turning off video and performing hold and un-hold operations
- Fixed display issue when turning video on and off in a 3-way conference call and enabling "hide video layer only" mode
- Fixed could not launch BLF application in a video call when enabling "hide video layer only" mode
- Fixed freeze issue when connecting the LDAP server and then minimizing the LDAP application
- Fixed display issue when played video in Tudou application and then an alarm clock went off
- Fixed screen saver might appear during video call when an alarm clock went off
- Removed stereo output option from Internet Radio widget
- Fixed not able to turn off LCD when using world photo as screen saver
- Fixed display issue when performed call transfer or hold and an alarm clock went off
- Fixed not switching to WiFi when unplugging Ethernet cable during boot up
- Fixed video decoding issue when switching the resolution in the middle of the call
- Updated Youtube parser

### KNOWN ISSUES

- Last.fm application does not work correctly due to API changes

## CHANGES SINCE FIRMWARE RELEASE 1.0.1.19

### BUG FIXES

- Fixed display issue when closing the camera and establishing video calls
- Fixed display issue with Online News
- Fixed network issue when enabling VLAN and rebooting without Ethernet cable
- Changed Czech language code to "cs" and Dutch language code to "nl"
- Fixed screen saver might show in a video call when alarm clock was set
- Fixed display overlapping between 3-way caller ID and call timer
- Fixed display issue when removing some icons in the call interface
- Fixed display issue with online services
- Fixed display issue with Youtube
- Fixed display issue when pulling out USB disk while playing screen savers
- Fixed PPPoE not working when Ethernet cable was removed during reboot
- Fixed GUI crash issue when connecting to the AP that was changed from encrypted to unencrypted
- Fixed Wifi does not auto scan every 60 seconds
- Fixed SIP strict route processing issue
- Fixed no reINVITE sent when enabling video if "Hide Video Layer Only When Video Off" was set to Yes
- Fixed display issue with Online Music
- Removed Sohu from Online Video
- Fixed toolbar display issue in File Manager
- Fixed time zone selection issue in World Clock
- Fixed not switching to WiFi if Ethernet cable was unplugged during bootup
- Fixed display issue when using BLF call pickup on GXE platform
- Fixed VLAN icon display after reboot
- Fixed local window shown when in full screen mode
- Fixed freeze issue when searching LDAP server with lots of contacts
- Fixed search result display issue using LDAP
- Fixed WiFi failed to work if Ethernet cable was unplugged during reboot
- Fixed LCD VLAN display not in sync with Web UI
- Fixed Automatic Upgrade when F/W pre/suffix changes does not work on WiFi
- Fixed no default value for some LDAP configurations
- Fixed LCD and Web UI not synchronized when selecting imported languages
- Removed erroneous options in screen saver configuration
- Fixed freeze issue when searching LDAP server with lots of contacts
- Fixed search result display issue using LDAP
- Avoided searching LDAP server if username/password was incorrect
- Fixed Flickr upload failure
- Fixed display issue when playing slide show and setting one picture as background
- Fixed display issue in PIP and an event was fired
- Fixed display issue in Tudou application setting window
- Fixed no response to reINVITE if both remote parties requested video on and the conference host ignored both requests
- Fixed no unregister request when network configuration was changed
- Fixed no network connection when Ethernet cable was unplugged and WiFi disabled
- Fixed display issue when minimizing the call and close the camera
- Fixed phone book downloading interval not working

- Fixed incorrect audio device used when the phone was off hook and a call came in
- Fixed display issue when changed time format
- Fixed display issue when setting a picture as background
- Fixed update issue when sending messages via Twitter
- Fixed Youtube upload failure
- Fixed GUI crash issue when playing Internet Radio
- Fixed display issue in slide show setting window

## ENHANCEMENTS

- Updated Facebook API key
- Updated Flickr API library
- Added support for large company logo in factory config
- Added video 3-way conference support. Please note that this only works with Grandstream video phones or video phones use QVGA resolution
- Added H.264 STAP-A support

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Firmware Version 1.0.1.38

Product Name: GXV3175v2

Date: September 21, 2012

## CHANGES SINCE FIRMWARE RELEASE 1.0.1.19

### BUG FIXES

- Changed Thai language name from "ta" to "th" to match ISO convention
- Fixed incorrect GUI display offset triggered by 800x600 display mode
- Fixed incorrect audio device display when using headset
- Fixed no auto-answer icon when set auto answer feature in Web UI but applied the changes in other pages
- Fixed factory reset via Recovery Web UI not effective
- Fixed unexpected TV out option in Web UI
- Fixed no display via HDMI 480P mode when incoming video stream was VGA or larger
- Increased recovery image buffer size
- Fixed factory reset via Web UI not working
- Fixed Web UI network page display problem using IE
- Fixed Web UI call function display issue
- Fixed line tab display issue when there were video calls and audio calls
- Fixed GUI crash caused by too many files in USB folder
- Fixed display issue when editing screenshot files
- Fixed ring volume display issue
- Updated language files based on A.C.N. feedback and support team review
- Fixed DSP crash caused by non-standard compliant H.264 stream
- Fixed resume after a call was minimized did not restore video mode
- Fixed not able to use '#' to send calls in on hook calling mode
- Fixed incorrect icon display while ringing in headset mode
- Fixed screen saver did not restart after receiving a new message
- Fixed no "mobile" and "fax" options in Contact application
- Fixed video play did not stop after changing settings on Web UI
- Fixed audio path error in Internet Radio application
- Fixed packet capturing not working with WiFi connection
- Fixed could not edit self-define time zone after reboot

- Fixed slow to get DHCP IP after switching between WiFi and Ethernet
- Fixed failed to connect to PPPoE after quickly changing the incorrect PPPoE password to the correct one
- Fixed failed to launch game "FoxHunt"
- Fixed missing frame/bit rate display on video calls
- Fixed Wifi icon display when PPPoE was enabled
- Fixed RSS News multi-line display issue on extended TV out area
- Adjusted LCD timing parameters for 800x600 resolution
- Fixed HDMI enable/disable logic causing incorrect HDMI icon
- Removed GXV3140 wording from recovery image
- Fixed DSP crash issue if audio frames per TX was larger than 2
- Fixed multiple instances of 802.1x xsupplicant might be running
- Removed dotted line effect from WebKit
- Fixed display mode switch issue after pressing PIP during a video call
- Fixed audio device display after audio loopback test
- Fixed not able to exit from Flickr application
- Fixed not able to dial out using the voice mail button

#### ENHANCEMENTS

- Added the support for HDMI 480P support. Users can toggle to 480P mode with a toggle button. When 480P mode is used, LCD will be turned off
- Added separate configurations of layer 3 QoS for SIP, audio RTP and video RTP.  
P1558 - Layer 3 QoS for SIP  
P1559 - Layer 3 QoS for audio RTP  
P1560 - Layer 3 QoS for video RTP
- Added automatic logic to handle HDMI/local speaker selection
- Added an option to only accept SIP requests from known servers
- Added an option to check request URI for incoming INVITE
- Added an option to authenticate incoming INVITE
- Added the feature to return to previous app when current app exited
- Added an option to hide or show customized video settings

#### KNOWN ISSUES

- Video 3-way conference is not fully supported. GXV3175v1 supports video mixing under QVGA resolution. GXV3175v2 only supports toggling mode not video mixing. The video mixing support will be added after GA

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Firmware Version 1.0.1.19  
Product Name: GXV3175v2  
Date: June 19, 2012

#### CHANGES SINCE FIRMWARE RELEASE 1.0.1.1

##### BUG FIXES

- Fixed HDMI audio sample rate not set properly
- Expanded TV out GUI display to 800x600. The expanded area is used to display RSS news.
- Fixed account icon in BLF disappeared after changing display size
- Fixed Web UI display issue using IE
- Fixed GUI crash issue while deleting browser bookmark folders
- Changed headset behavior to match GXP's

- Fixed display issue in audio conference when a remote party requested video
- Fixed issues in new network daemon
- Fixed unexpected video request when performing hold/unhold
- Fixed ringback tone not restored after rejecting an incoming call
- Fixed DND icon display issue
- Fixed screen saver might show when accepting calls in PIP
- Fixed brightness setting display issue
- Fixed display issue when using Chinese and auto answer
- Fixed not switching to hold window after minimizing and restoring the call window
- Fixed display issue when cancelling Call Transfer while on a call
- Fixed transfer by time not working if account order was changed
- Fixed SD video mail deposit not working on Broadsoft platform
- Fixed GUI crash issue when using GIF as screen savers
- Fixed GUI crash issue when repeatedly importing/exporting bookmarks
- Fixed audio loopback issue when plugging in headset during test
- Fixed DSP timeout issue in high packet loss environment
- Updated language files for ACN
- Fixed no video in recording
- Changed input method to match language setting for ACN OEM
- Fixed not able to enter proxy tab in network settings
- Fixed audio device icon display issue
- Fixed BLF widget display issue
- Fixed play/stop icon not shown correctly in slide show application
- Fixed hardware revisions not shown in Web UI after re-login
- Fixed changing "LDAP Lookup For Incoming Call" in Web UI not taking effect
- Fixed incorrect audio device display after plugging in/out headsets during a call
- Fixed display issue when performing "video on" operation and switching lines
- Fixed tone playing issue when setting call forwarding using start code
- Fixed display issues after importing a blank language file
- Fixed incorrect folder being used when importing bookmarks
- Fixed audio loopback issue when plugging in headset during test
- Improved AEC performance and stability
- Changed to use sending bitrate with audio/video combined with protocol overhead with ACN OEM
- Updated language files for ACN
- Fixed display issue when the option menu was auto hidden
- Fixed soft keypad issue with Baidu mobile site
- Fixed PPPoE failover to DHCP not working if VPN was enabled
- Fixed call forwarding icon display when using star codes
- Fixed not able to change Wifi ESSID without reboot
- Fixed language list display issue after importing a new language
- Fixed not able to display full uploaded pictures in Phanfare application
- Fixed program version showing blank using IE
- Fixed display issue when dismissing alarm clock notification window
- Fixed display issue when the option menu was auto hidden
- Fixed the warning message when multiple News Video applets were opened
- Fixed media player not switching to audio player interface when finished playing a video file
- Fixed WiFi setting not applied without reboot
- Fixed DSP crash issue when toggling 3-way video conference parties
- Changed HDMI TV out resolution back to 800x600 to improve compatibility
- Fixed WiFi could not start due to DMA allocation failure
- Fixed 802.1x not working
- Fixed picture preview not shown in screenshot directory
- Fixed failed to save LDAP contacts to local
- Fixed display issue when processing remote video-on/off requests and a new call came in
- Fixed display issue when expanded menu option page and then dismissed it

- Updated Korean language translation
- Changed the browser User-Agent string to Android
- Fixed display issue when turning on video and minimizing the conversation and then a new call came in
- Fixed failure to export language file via Web UI
- Fixed not back to dialing interface when exiting from menu items
- Fixed Web UI product model display after WiFi scanning
- Fixed display issue when in PIP and applying configuration changes
- Fixed time zone missing when disabling DHCP option 2
- Fixed no network icon when using PPPoE and VPN
- Fixed incorrect network info display when using WiFi
- Fixed failure to apply imported language files
- Fixed incorrect network info display when PPPoE not working
- Fixed CPE not sending DNS request for ACS domain name
- Fixed CPE not correctly setting the network type to PPPoE
- Fixed CPE did not support ACN OEM ID
- Changed the camera parameters
- Fixed GMI App Start on Bootup might not work
- Added the limit of total applets to 10
- Fixed call waiting caller ID display in full screen video mode
- Fixed Web UI product model display after WiFi scanning
- Fixed input method selection not taking effect after reboot
- Updated Finnish language support
- Fixed language file import did not work
- Fixed CPE crash after factory reset
- Fixed boot into recovery image not working
- Improved AEC convergence in full duplex mode
- Fixed handset broken voice
- Fixed audio buzzes caused by I2C in some cases
- Fixed Backup file shows the value for P1359 in plain text
- Fixed in transfer interface transferring incoming call causing abnormal
- Fixed holding the call and transferring incoming call shown abnormal interface
- Disabled volume adjustment when making onhook dialing
- Fixed display issue when ended one held call and made a new call
- Fixed screen freeze issue when modifying LDAP server address
- Fixed display issues with LDAP contacts
- Fixed failed to send messages if they contain spaces at the beginning of the message
- Fixed GUI crash issue if adding more than 50 contact groups
- Fixed still shown missed call window when enabling DND and disabling all call logs
- Fixed network connection window shown twice when switching address types
- Fixed self-defined time zone greyed out after reboot
- Fixed Lock Keypad for Update not effective in Setup Guide
- Fixed incorrect video attribute layer was set after call was ended
- Disabled volume adjustment when making onhook dialing
- Fixed duplicate items when importing multiple phone books many times
- Fixed setting HTTP proxy via LCD UI triggered a DHCP release
- Fixed alarm clock shown incorrect status after choosing "Remind Later"
- Fixed change of ring volume not saved in LCD UI
- Fixed screen saver might get activated during slide show after plugging in the headset
- Fixed caller name not updated when receiving UPDATE/re-INVITE with PAI header
- Fixed DNS lookup buffer too small and caused unnecessary retries
- Fixed home key debouncing issue on v2.4 and v2.5 hardware revisions
- Improved HDMI TV out video quality
- Fixed DSP crash issue when accessing IPVideoTalk video mail
- Fixed soft keypad shown briefly when deleting bookmarks
- Removed camera zoom options from UI

- Fixed no on-call option tabs under some conditions
- Fixed display issue when in the ringing forward interface and the call ended
- Fixed missing icons on hold screen when not using keypad as default
- Fixed not able to transfer when the number was in Contacts
- Fixed changing PPPoE password not taking effect immediately in Setup Guide
- Fixed Lock Keypad for Update not effective in Setup Guide
- Fixed not able to use '#' as dial key when forwarding an incoming call
- Disallowed audio change when the call was on hold
- Fixed CWCID not shown when in full video screen mode
- Fixed mirror state not shown correctly when in full screen video loopback
- Fixed incoming call not working when in audio loopback factory function
- Fixed not able to change languages on Web UI
- Fixed volume fluctuation when off-hook and then on-hook
- Fixed TRNF icon incorrectly shown in some scenarios
- Fixed video quality issue when using H.264 QQVGA resolution
- Fixed GUI crash issue when the screen saver started and a call came in
- Fixed display issue when in the ringing forward interface and the call ended
- Fixed compatibility issues with IE9
- Fixed GMI did not update the registration status
- Fixed no on-call option tabs under some conditions
- Fixed GUI crash issue when in selection widget and a call came in
- Changed to gray out the full screen button when the recording started
- Fixed not able to drag News Video widget to the desktop
- Fixed not able to continue editing messages after accepting a call
- Fixed not able to show received messages
- Fixed not able to adjust tone volume in LCD menu after receiving a call
- Fixed display issue in a call waiting case when the remote caller resume the call from hold state
- Fixed not able to hide PPPoE password on LCD UI
- Fixed address type not compatible with CPE
- Fixed LCD UI showed blank network type after factory reset
- Fixed not handling spaces when inputting IP addresses
- Fixed not able to change languages on Web UI
- Fixed browser home button not effective when launched by RSS News
- Fixed video delay using H.263+
- Fixed audio artifacts using L16-256 vocoder
- Fixed DSP crash issue when accessing IPVideoTalk video mail
- Fixed FQDN not working with VPN server
- Fixed audio tone play deadlock
- Fixed status panel display when accepting video calls in Camera/LCD testing mode
- Fixed network display issue in Web UI
- Fixed changing network setting via Web UI not taking effect without reboot
- Fixed missing default values for static IP
- Fixed TRNF icon incorrectly shown in some scenarios
- Fixed display overlapping for video call waiting caller ID
- Fixed default volume for online music application
- Fixed event tone not stopped when home button was pressed
- Fixed display issue when in transfer UI and the call was ended
- Fixed display issue in Call tab with IE
- Fixed group picture not used when the picture was in USB disk and the USB disk was later removed
- Fixed phone book failed to download if encountered errors before
- Added the restriction to 1 News Video widget
- Disallowed audio change when the call was on hold
- Fixed incorrect display when minimizing a call in dialing stage
- Fixed alternative DNS server could not be saved
- Fixed GUI crash issue when invalid network mask was entered



- Fixed GUI showed WIFI key without saving

## ENHANCEMENTS

- Added an option to disable PC port
- Added Thai language support
- ACN request: Added video setting profiles
- ACN request: Added WiFi profiles and auto-connect feature
- ACN request: Fixed Facebook login issue
- Added the ability to make/answer call directly using Headset
- Added additional syslog messages for ACN
- Added prefix and postfix setting for GUI customization file
- Added the options to hide "Virtual", "3G" and "Proxy" tabs in network setting
- ACN: Custom GUI Config Changes Video Settings Menu
- Added 3CX style auto provision
- Updated gamefail.mp3 file per ACN's request
- Updated the CPE to version 1.0.1.21
- Added LDAP settings in Web UI
- Added new languages for Denmark and Czech
- Added the configuration option for handset gain
- ACN: Added User-Agent header in HTTP download requests
- ACN: Custom GUI Config Changes Video Settings Menu
- Added PIP provision control for Mobotix (except PIP value 3)
- Added the support for generic XML config file provisioning
- Added the second preferred DNS server configuration
- Added PIP provision control for Mobotix
- Added the option to disable Setup Guide
- Added P value option for showing or hiding menu bar
- Added provision control for browser settings
- Added Korean soft keyboard support
- Added Swedish, Hungarian, Norwegian and Finnish language support
- Added syslog event for UI login/logout
- Added the option to whether send reINVITE when pressing video off
- Mobotix requirement: Added P-values for Call functions option
- Added support for hardware revision v2.5
- Added support for Secondary Outbound Proxy, P2333, P2433 and P2533 for account 1, 2 and 3
- Added P values for Call functions option, P1527 - In-call default menu. Possible values: 1 - Keyboard, 2 - Functions
- Added P value option for showing or hiding menu bar, P1528 - Show or hide menu bar. Possible values: 0 - Show, 1 - Hide