GXP1610/1615/1620/1625/1628/1630 Firmware Release Note

IMPORTANT UPGRADING NOTE

- **Starting from firmware version 1.0.2.21, downgrading to version 1.0.2.4 or lower requires a matched protocol for upgrading and provisioning under webUI→Maintenance→Upgrade and Provision→option "Config Upgrade Via" and option "Firmware Upgrade Via".**

  For example, if you are using HTTP server to downgrade to 1.0.2.4, please configure both "Config Upgrade Via" and "Firmware Upgrade Via" to "HTTP".

- **Firmware version 1.0.4.50 supports new hardware revision. For GXP16xx that's on new hardware version 2.2A, it cannot downgrade to firmware version lower than 1.0.4.50.**

- **Starting from 1.0.3.28 weather service is removed and no longer supported.**

Table of Content

FIRMWARE VERSION 1.0.4.88

PRODUCT NAME

GXP1610, GXP1615, GXP1620, GXP1625, GXP1628 and GXP1630

DATE

02/02/2018

BUG FIX

- Updated Grandstream product certificate
- Fixed Device couldn't upgrade to build 1.0.1.52 from 1.0.1.30 by HTTPS
- Fixed Device gets stuck in "Firmware update" page during HTTPS upgrading process
- Fixed Device works abnormal after registering with Freeswitch account without SIP TLS Private Key Password

FIRMWARE VERSION 1.0.4.82

PRODUCT NAME

GXP1610, GXP1615, GXP1620, GXP1625, GXP1628 and GXP1630

DATE

11/20/2017

ENHANCEMENT

- Added "Account Display" option to configure SIP account display label on LCD. [ACCOUNT DISPLAY CONFIGURATION]
- Added "Disable VM/MSG Power Light Flash" option to enable/disable voicemail/message indication. [ENABLE/DISABLE VOICEMAIL INDICATION]
- Added web UI option to upload SSH public key for SSH access. [SUPPORT ACCESS SSH USING AUTHENTICATION KEYS]
- Added "Ring for Call Waiting" option to enable/disable ringing the speaker phone on call waiting. [SUPPORT RING FOR CALL WAITING]
- Added call forwarding configuration on web UI. [SUPPORT CALL FORWARD CONFIGURATION ON WEB UI]
- Added support for static/dynamic auto-attended transfer. [SUPPORT STATIC/DYNAMIC AUTO-ATTENDED TRANSFER]
- Added support for BLF server. [SUPPORT BLF SERVER CONFIGURATION]
- Added automatic redial support. [SUPPORT AUTOMATIC REDIAL]
- Added HTTP/HTTPS Username/Password configuration on LCD menu for firmware upgrading and provisioning. [SUPPORT HTTP(S) USERNAME/PASSWORD CONFIGURATION ON LCD FOR UPGRADE/CONFIG]
- Added blacklist/whitelist support in phonebook. [SUPPORT BLACKLIST/WHITELIST IN LOCAL PHONEBOOK]
- Added option to disable hook switch. [SUPPORT ENABLE/DISABLE HOOKSWITCH]
- Added notification tone value configuration [SUPPORT NOTIFICATION TONE VOLUME]
- Added SNMP support [SUPPORT SNMP]
- Added support for Genesys Agent Login/Logout and status update [SUPPORT GENESYS AGENT LOGIN/LOGOUT/STATUS UPDATE]
- Improved slow performance issue after phone is used for some time.
- Added Let's Encrypt Root CA to Trusted CA
- Increased max length of dial plan from 512 to 1024 characters

BUG FIX

- Fixedphone is unable to generate second dial tone using dialplan
- Fixed local phonebook does not update the group assigned to new contact
- Fixed the standby server registration address displays incorrectly on the phone
- Fixed phone only shows 50 contacts for Broadsoft phonebook
- Fixed onhook dialing window disappears when there is an incoming call
- Fixed no audio issue when using with Genesys system
- Fixed multicast paging compatibility issue with other devices

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

ACCOUNT DISPLAY CONFIGURATION

- **Web Configuration**
  This option can be found under device web UI→Accounts->Account X->General Settings->Account Display.

- **Functionality**
  The user can configure how the account label is displayed on the phone for the SIP account. If set to "User Name", LCD account label will display the Account Name configured for this SIP account. If set to "User ID", it will then display the SIP User ID configured for this SIP account.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P2380 (Account 1) P2480 (Account 2) P2580 (Account 3)	Account Display	Value = 0; User Name Value = 1; User ID	User Name

ENABLE/DISABLE VOICEMAIL INDICATION

- **Web Configuration**
  This option "Disable VM/MSG Power Light Flash" can be found under device web UI→Settings->Preference->LED Control.

- **Functionality**

  This option controls the LED behavior upon new/unread Voicemail and Message. If set to "No", the LED light will be flashing when there is unread Voicemail and Message. Otherwise, it will be off.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8371	Disable VM/MSG Power Light Flash	Value = 0; No Value = 1; Yes	No

SUPPORT ACCESS SSH USING AUTHENTICATION KEYS

- **Web Configuration**

  The upload option for "SSH Public Key" can be found under device web UI→Maintenance->Security.

- **Functionality**

  This option allows user to use authentication keys for SSH access. The public key should be loaded to phone's web UI while the private key should be used in the SSH tool side. This will allow upcoming SSH access without password.

SUPPORT RING FOR CALL WAITING

- **Web Configuration**

  The option "Ring for Call Waiting" can be found under device web UI→Settings->Call Features.

- **Functionality**

  This option allows user to configure whether the speaker phone will ring when there is new incoming call during an active call. If set to No, the user will hear call waiting tone. If set to Yes, the phone will ring using the speakerphone.
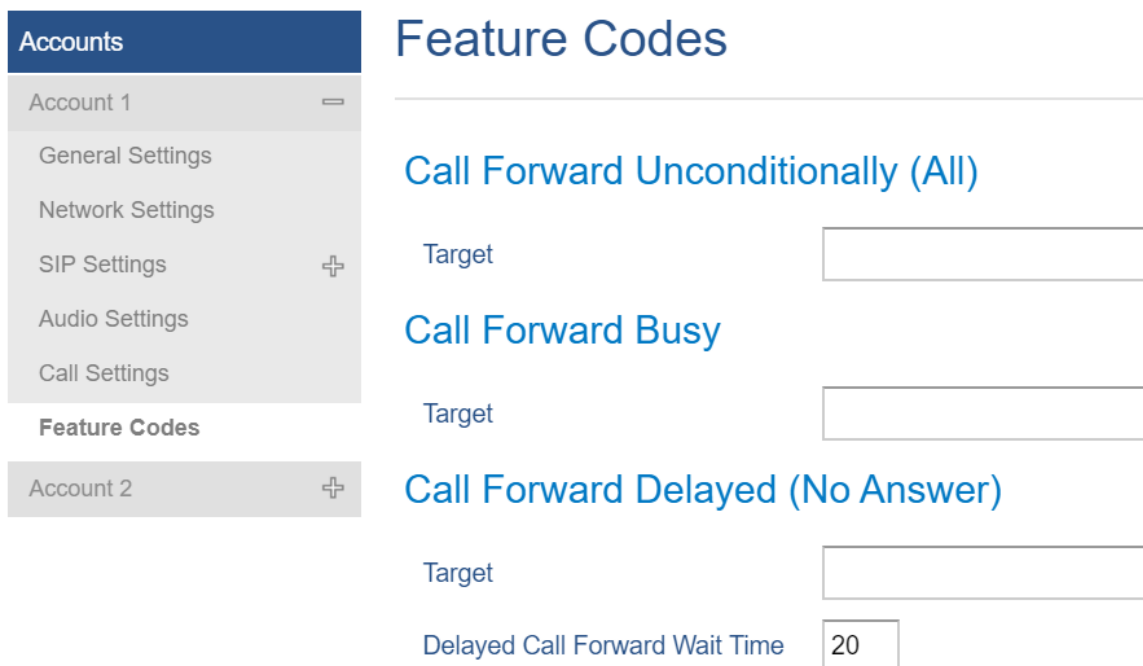
- **New Pvalue**

Pvalue	Description	Value Range	Default
P22102	Ring For Call Waiting	Value = 0; No Value = 1; Yes	No

SUPPORT CALL FORWARD CONFIGURATION ON WEB UI

- **Web Configuration**

  Call forwarding configurations can be found under device web UI→Accounts->Account x->Feature Codes.

- **Functionality**

  In this web UI page, users can set Call Forward Unconditionally, Call Forward Busy and Call Forward Delayed (No Answer) for each SIP account.

- **New Pvalue**

Pvalue	Description	Value Range	Default
forward_0 (Account 1) forward_1 (Account 2) forward_2 (Account 3)	Call Forward Unconditionally (ALL) Target	String	None
busyForward_0 (Account 1) busyForward_1 (Account 2) busyForward_2 (Account 3)	Call Forward Busy Target	String	None
delayedForward_0 (Account 1) delayedForward_1 (Account 2) delayedForward_2 (Account 3)	Call Forward Delayed (No Answer) Target	String	None
P139 (Account 1) P470 (Account 2) P570 (Account 3)	Call Forward Delayed (No Answer) Delayed Call Forward Wait Time	Number	20

SUPPORT STATIC/DYNAMIC AUTO-ATTENDED TRANSFER

- **Web Configuration**

  The option is "Attended Transfer Mode" which can be found under device web UI→Settings->Call Features.

  Attended Transfer Mode   ● Static ○ Dynamic

- **Functionality**

  When "Attended Transfer Mode" is set to "Static", only "Blind Transfer" softkey is available on the call screen. If set to "Dynamic", both "Blind Transfer" and "Attended Transfer" softkeys are available.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P1376	Attended Transfer Mode	Value = 0; Static Value = 1; Dynamic	Static

SUPPORT BLF SERVER CONFIGURATION

- **Web Configuration**

  The "BLF Server" optioncan be found under device web UI→Accounts->Account X->General Settings.

- **Functionality**

  When "BLF Server" is configured, the SUBSCRIBE request will be sent to this address for BLF.# BLF Server

- **New Pvalue**

Pvalue	Description	Value Range	Default
P2375 (Account 1) P2475 (Account 2) P2575 (Account 3)	BLF Server	String	None

SUPPORT AUTOMATIC REDIAL

- **Web Configuration**

  Three options are added for this feature under web UI->Settings->Call Features.

  - "Enable Automatic Redial": Enable/disable automatic redial.
  - "Automatic Redial Times": This configures the number the times the phone will try to redial.
  - "Automatic Redial Interval": This configures the interval between each automatic redial.

- **Functionality**

  When the phone dials a number and no answer, if automatic redial is enabled, the phone will prompt for redial. The redial attempt will be made at the "Automatic Redial Interval" for the number of times defined in "Automatic Redial Times".

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8353	Enable Automatic Redial	Value = 0; No Value = 1; Yes	No
P8354	Automatic Redial Times	Number 1 to 100	10
P8355	Automatic Redial Interval	Number 1 to 360	20

SUPPORT HTTP(S) USERNAME/PASSWORD CONFIGURATION ON LCD FOR UPGRADE/CONFIG

- **Functionality**

Previously HTTP/HTTPS Username/Password configuration for firmware upgrading/provisioning is only available on phone's web UI. Now this configuration is also available on phone's LCD menu. This setting can be found in LCD menu->System->Upgrade/Config.

SUPPORT BLACKLIST/WHITELIST IN LOCAL PHONEBOOK

- **Web Configuration**

Users can add a local phonebook contact to blacklist group or whitelist group.

- **Functionality**

  If the contact number belongs to Blacklist group, the call from this number will be blocked. If the contact number belongs to Whitelist group, when the phone is on DND mode, the call from whitelist number will be allowed.

SUPPORT ENABLE/DISABLE HOOKSWITCH

- **Web Configuration**

  This option "Disable Hook Switch" can be found under web UI->Settings->Call Features.

  Disable Hook Switch   ◉ No ○ Yes ○ For Answering Call

- **Functionality**

  When the user disables hook switch, the hook switch will not work to trigger onhook/offhook. If option "Disable Hook Switch" is set to "For Answering Call", the phone's hook switch will not work to answer the call. The user will need to press softkey or speaker/headset/line hardkey to answer the call.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P6763	Disable Hook Switch	Value = 0; No Value = 1; Yes Value = 2; For Answering Call	No

SUPPORT NOTIFICATION TONE VOLUME

- **Web Configuration**

  Notification tone volume can be adjusted under web UI->Settings->Ring Tone.

  Notification Tone Volume   4

- **Functionality**

  The volume for paging, intercom, auto answer call and call hold reminder beep notification can be adjusted using this option.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8399	Notification Tone Volume	Value = 0 to 7	4

SUPPORT SNMP

- **Web Configuration**

  SNMP configuration can be found under phone's web UI->Network->SNMP Settings.

SNMP Settings

Enable SNMP	○ Yes ● No
SNMP Trap Community	
SNMP Trap IP	
SNMP Trap Port	162
SNMP Trap Version	● Version 1 ○ Version 2
SNMP Trap Interval	5

- **New Pvalue**

Pvalue	Description	Value Range	Default
P21896	Enable SNMP	Value = 0; No Value = 1; Yes	0
P21900	SNMP Trap Community	String	
P21897	SNMP Trap IP	String	
P21898	SNMP Trap Port	Number: 1025 to 65535	162
P21899	SNMP Trap Version	Value = 0; Version 1 Value = 1; Version 2	Version 1
P21901	SNMP Trap Interval	Number: 1 to 1440	5

SUPPORT GENESYS AGENT LOGIN/LOGOUT/STATUS UPDATE

- **Web Configuration**

  The Genesys agent login/logout/status feature can be enabled by below settings. Those options can be found under phone's web UI->Accounts->Account X->SIP Settings->Advanced Features. Notification tone volume can be adjusted under web UI->Settings->Ring Tone.

Enable User Presence Subscription	○ No ● Yes
Hide Login Soft Key On Auto User Prsence Subscription	● No ○ Yes
Auto User Presence ID	
Auto User Presence password	

- **Functionality**

  To enable this feature, register Genesys account on GXP16xx's SIP account first. Then on the GXP16xx web UI->Accounts->Account X->SIP Settings->Advanced Features:

  - "Enable User Presence Subscription": Yes
  - "Hide Login Soft Key On Auto User Presence Subscription": No
  - "Auto User Presence ID": The phone will subscribe user presence automatically with this ID once the account is registered.
  - "Auto User Presence Password": The phone will subscribe user presence automatically with this password once the account is registered.

  A softkey "Genesys" will display on the idle screen. Press the softkey to view and update agent status.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P2353 (Account 1) P2453 (Account 2) P2553 (Account 3)	Enable User Presence Subscription	Value = 0; No Value = 1; Yes	0
P2354 (Account 1) P2454 (Account 2) P2554 (Account 3)	Hide Login Soft Key On Auto User Presence Subscription	Value = 0; No Value = 1; Yes	1
P2351 (Account 1) P2451 (Account 2) P2551 (Account 3)	Auto User Presence ID	String	
P2352 (Account 1) P2452 (Account 2) P2552 (Account 3)	Auto User Presence Password	String	