GXP2130/2135/2140/2160/2170 Firmware Release Notes

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PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

11/15/2019

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

  MD5: 93bb8186bb7a2369e671417670f09f6e

- GXP2135 firmware file name: gxp2135fw.bin

  MD5: b0283860a30c7c845d1d0c24b56d5066

- GXP2140 firmware file name: gxp2140fw.bin

  MD5: 6e6e1037460d22fc5251b525bfc71cea

- GXP2160 firmware file name: gxp2160fw.bin

  MD5: 7f3d1c3558d87b887084093be9ef44ca

- GXP2170 firmware file name: gxp2170fw.bin

  MD5: c44ffbaa70c3e7362955e3a70773b93f

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

BUG FIX

- Fixed Device terminates BLF subscription when registering with 2 SIP servers

FIRMWARE VERSION 1.0.11.2

PRODUCT NAME
GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE
10/15/2019

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

    MD5: 2f8a284ba187176e4fe7dee20cecfe84

- GXP2135 firmware file name: gxp2135fw.bin

    MD5: d2cb77a7cc59742f3a8a70a517998f89

- GXP2140 firmware file name: gxp2140fw.bin

    MD5: 28cdf64493ccb187ef2fac332b3794fc

- GXP2160 firmware file name: gxp2160fw.bin

    MD5: 32fea5c1424cb57d014390c9f89bb229

- GXP2170 firmware file name: gxp2170fw.bin

    MD5: ed40514eeb473bcb9770b73b66d846d0

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added Support for GDMS (Grandstream Device Management System)
- Added Support for Ukrainian language
- Added Support to use uploaded CA Certificates only [LOAD CA CERTIFICATES]
- Added the ability to launch XML App automatically upon receiving calls [XML APP AUTO LAUNCH]

- Added Support to bypass security settings when External Service is configured [ACCEPT INCOMING SIP FROM PROXY ONLY]
- Added Support to lock the audio volume of the speaker phone [LOCK SPEAKER VOLUME]
- Added Support to accept pvalue in string format for MPKs, Extension board and softkey mode configuration [ACCEPT PVALUE IN STRING FORMAT]
- Added Support for inputting "@" for SIP User ID field [SIP USER ID FIELD IMIPROVEMENT]
- Added Support for Chile time zone

BUG FIX

- Fixed Device does not respond 200 OK for inbound call with 3CX
- Fixed Account picture disappears in remote party after DUT holds the call
- Fixed Deleting account picture from general setting page works abnormally
- Fixed Device freezes after it's provisioned with a phonebook that has 32 characters or more in two fields of a contact
- Fixed Device plays keypad tone when putting in password in provision authentication window
- Fixed Provide_lock feature issue
- Fixed "MPK LCD Settings" on web UI
- Updated translations for Hungarian language
- Updated translations for Korean language
- Updated the lable display in Spanish record on and record off
- Fixed Transferring issue when using predictive dialing feature
- Fixed Device does not escape special characters when loading XML provisioning file
- Fixed Phonebook does not accept Greek characters with a space in the middle
- Fixed Character "+" is not supported for phonebook contacts when it's added manually in the Web GUI.
- Fixed Substitution dial string breaks attended transfer
- Fixed Device SRTCP related error message with Asterisk platform
- Fixed Device randomly terminates BLF subscription with Expires: 0 header
- Fixed Device lose call park subscription with Skyswitch platform
- Fixed Device BLF Call-Pickup issue when set to mode "Auto"
- Fixed Config file downloaded from Web UI empty issue for some of the devices
- Fixed Device freezes and lags after intensive call usage for a few days
- Fixed OpenVPN connection not successful with Watchguard OpenVPN Server
- Fixed Lock sign is only displayed when both TLS/SRTP are enabled
- Fixed Device can't disconnect a call when using TLS
- Fixed Device doesn't send its Default certificate for TLS Authentication
- Fixed Device does not take weather degree unit from UCM Zero config
- Fixed Device web UI misspelling issue
- Fixed Wrong time zone display for Israel
- Fixed BLF keys remains grey after network connection is recovered
- Fixed "Upload Wallpaper" option's tooltip

NEW FEATURES OVERVIEW

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

LOAD CA CERTIFICATES

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security Settings →Trusted CA Certificates.

Load CA Certificates | All Certificates ▼ |

- **Functionality**

With this new option, now users are able to choose which certificate they are going to use.
→Default Certificates: Built-in Certificates;
→Custom Certificates: Uploaded Certificates;
→All Certificates: Both built-in and uploaded Certificates.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8502	<New Pvalue> Load CA Certificates	Value = 0; Default Certificates Value = 1; Custom Certificates Value = 2; All Certificates	All Certificates

XML APP AUTO LAUNCH

- **Web Configuration**

This option can be found under device Web UI→ Settings → XML Application.

Enable XML Application Auto Launch   ◉ No ◯ Yes

- **Functionality**

When this feature is enabled, when receiving a call, the XML application set will be launched automatically if the setup works.

- **Pvalue**

Pvalue	Description	Value Range	Default

| P8533 | <New Pvalue>

Enable XML Application Auto Launch | Value = 0; No

Value = 1; Yes | No |

ACCEPT INCOMING SIP FROM PROXY ONLY

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → SIP settings → Security Settings.

- **Functionality**

When "External Service" (Eg: GDS System Number) is configured on DUT, DUT should bypass automatically to accept requests from specified GDS.

- **Pvalue**

Pvalue	Description	Value Range	Default
P2347	<New Pvalue>

Accept Incoming SIP from Proxy Only | Value = 0; No

Value = 1; Yes | No |

LOCK SPEAKER VOLUME

- **Web Configuration**

This option can be found under device web UI→ Settings → Preference →Ringtone → Lock Volume.
.

- **Functionality**

If set to "Ring", volume of the speaker will be locked in ringing state and idle.
If set to "Talk", volume of the speaker will be locked in calling state.
If set to "Both", volume of the speaker will be locked.
If set to "No", volume of the speaker will not be locked.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8392	<New Pvalue>	Value = 0; No	No

	Lock Speaker Volume	Value = 1; Ring Value = 2; Talk Value = 3; Both	

ACCEPT PVALUE IN STRING FORMAT

- **Functionality**

We had added support to accept pvalue in string format for VPK mode configuration. This was implemented for GXP VPK before. Now we added this support for MPK, extension board and softkey as well.

Here is the list of supported pvalue string for key mode:
"none"
"line"
"sharedline"
"speeddial"
"blf"
"presencewatcher"
"eventlistblf"
"speeddialaa"
"dialdtmf"
"voicemail"
"callreturn"
"transfer"
"callpark"
"intercom"
"ldapsearch"
"conference"
"multicastpaging"
"record"
"calllog"
"moniteredcp"
"menu"
"xmlapp"
"information"
"message"
"forward"
"dnd"
"redial"
"instantmessage"
"multicastlistenaddress"
"keypadlock"

SIP USER ID FIELD IMIPROVEMENT

- **Functionality**

Now users are able to register an account with a SIP user ID that carries "@". For example, you can put "111@test.com" in your SIP User ID field. When registering, the phone will register your account as "111@test.com" instead of 111.

Note: The server domain will not be included in the SIP from header.

FIRMWARE VERSION 1.0.9.135

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

06/05/2019

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

    MD5: 2e0c0188d764d7d6af6c69ab57959480

- GXP2135 firmware file name: gxp2135fw.bin

    MD5: 55c5f9af6fafa46273f8aa011d23e21b

- GXP2140 firmware file name: gxp2140fw.bin

    MD5: 6d3b2b161cbcbe3173b1039c24ed0fd8

- GXP2160 firmware file name: gxp2160fw.bin

    MD5: 9527b0e447f1d789766568c4290f04f5

- GXP2170 firmware file name: gxp2170fw.bin

    MD5: ac9f63d2f2da9a6d5939dbc4c325db24

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added new OUI (C0:74:AD) support

FIRMWARE VERSION 1.0.9.132

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

04/12/2019

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

  MD5: 669f029f678dc159a5d3b6e067030018

- GXP2135 firmware file name: gxp2135fw.bin

  MD5: d65c23e7e11af480129d52f4ea34162c

- GXP2140 firmware file name: gxp2140fw.bin

  MD5: e1670199f3e07dd4d42250cc6dcd8616

- GXP2160 firmware file name: gxp2160fw.bin

  MD5: 3bc15480de8ed0fc6afedf35d7361ab1

- GXP2170 firmware file name: gxp2170fw.bin

  MD5: d959fd742003bf0a5ece5fc13e414bf3

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added Web UI option "Disable Hook Switch" [DISABLE HOOK SWITCH]
- Added Web UI option "Total Number of Custom Ringtone Update" [TOTAL NUMBER OF CUSTOM RINGTONE UPDATE]

BUG FIX

- Fixed No audio issue with call pickup answering
- Fixed One-way audio issue after picking up monitored BLF call if caller is using certain audio codecs
- Fixed No audio issue after RE-INVITE
- Fixed Device does not send PRACK in ALLOW header when sending 180 Ringing
- Fixed Phone replies with 200OK "sendrecv" upon receiving INVITE "sendonly" for SIP/UDP and SIP/TLS with Broadsoft
- Fixed Phone displays N/A on screen if weather service is unavailable
- Fixed Broadsoft UC-One: Not reusing authorization header for XSI
- Fixed Broadsoft UC-One: Dialing conference with ID and PIN have DTMF issue for IM&P
- Fixed Security vulnerability issues

NEW FEATURES OVERVIEW

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

DISABLE HOOK SWITCH

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features.

Disable Hook Switch   ● No ○ Yes ○ For Answering Call

Save   Save and Apply   Reset

- **Functionality**

Now the users can choose the behavior for hook switch for the phone's handset.

- If set to "No", the phone will answer the call when the handset is off-hook. This is the default behavior.
- If set to "Yes", the hook switch will not work to trigger onhook/offhook at all. The handset audio channel will not work during phone call either.
- If set to "For Answering Call", the phone's hook switch will not work to answer incoming call. Users will need press softkey or speaker/headset/line hard key to answer the call. The hook switch will still work to switch audio channel to handset. For example, if the incoming call is answered by pressing ANSWER softkey, users can lift handset (off-hook) to switch audio channel to handset.

- **Pvalue**

Pvalue	Description	Value Range	Default
P6763	<New Pvalue> Disable Hook Switch	Value = 0; No Value = 1; Yes Value = 2; For Answering call	Value = 0; No

TOTAL NUMBER OF CUSTOM RINGTONE UPDATE

- **Web Configuration**

This option can be found under device web UI→ Settings → Preference → Ringtone.

Total Number of Custom Ringtone Update	3

[Save] [Save and Apply] [Reset]

- **Functionality**

By configuring the total number of custom ringtone update option, the users can control how many custom ringtones the phone will download in provisioning process. If set to 0, no ringtone will be downloaded. Up to 3 ringtones can be downloaded.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8509	<New Pvalue> Total Number of Custom Ringtone Update	0, 1, 2, 3. If set to 0, no ringtone will be downloaded.	3

FIRMWARE VERSION 1.0.9.127

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

01/25/2019

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

  MD5: 35aa2a4fd8261190db579286d2e1d40d

- GXP2135 firmware file name: gxp2135fw.bin

  MD5: 022d212bc15ba25329c406f535318002

- GXP2140 firmware file name: gxp2140fw.bin

  MD5: f988a1f5ff5636f91755099d706d70bb

- GXP2160 firmware file name: gxp2160fw.bin

  MD5: 60e068c28bc1cfb44650a2fd3a7b0531

- GXP2170 firmware file name: gxp2170fw.bin

  MD5: dff4adde2f6486c6a0cf421832cd2b19

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added Clear option for trace captured [CLEAR PACKET CAPTURED]
- Added Ability to press BLF key as forward destination [BLF AS CALL FORWARD DESTINATION]
- Added Ability to sync phonebook directly through SIP notify [SYNC PHONEBOOK THROUGH SIP NOTIFY]

BUG FIX

- Fixed Dial softkey disappears if switch groups upon logging in for Broadsoft UC-One IM&P
- Fixed There is no dial softkey when selection is on a number in contact details for Broadsoft UC-One IM&P
- Fixed Usability issues with search bar for Broadsoft UC-One IM&P
- Fixed Azores Timezone does not include DST definition
- Fixed Device does not show proper Date display format
- Fixed Weather feature does not work when using zip code
- Fixed Wallpaper cannot be downloaded via HTTPS Proxy
- Fixed Forwarded calls are logged as missed calls

NEW FEATURES OVERVIEW

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

CLEAR PACKET CAPTURED

- **Web Configuration**

This option can be found under device device web UI→ Maintenance → Packet Capture.

Capture Location	Internal Storage ▾
With RTP Packets	No ▾
USB Filename	123
	Start Stop Download Clear

- **Functionality**

Now users are able to clear the traces that they previously captured so they don't have the repetitive files downloaded.

BLF AS CALL FORWARD DESTINATION

- **Functionality**

Now users can forward the call using BLF keys, set on VPK or MPK. They only need to Subscribe to a valid BLF and press Forward Key then the BLF key to perform the call forward.

SYNC PHONEBOOK THROUGH SIP NOTIFY

- **Functionality**

Now when phone receives a SIP Notify that contains "Event: sync-contacts" header then the device will recognize it and start the process to download phonebook.

FIRMWARE VERSION 1.0.9.121

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

11/13/2018

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

  MD5: 9687fd763962fc6ada93f6f5bbfc17d1

- GXP2135 firmware file name: gxp2135fw.bin

  MD5: fa4697a8bf014639e8bf00d07544a701

- GXP2140 firmware file name: gxp2140fw.bin

  MD5: b5d0f69bf00d3941784c06ffd3c3fb0f

- GXP2160 firmware file name: gxp2160fw.bin

  MD5: 67b23c96bbbb553279cf93b79960533f

- GXP2170 firmware file name: gxp2170fw.bin

  MD5: 561a09cfc173e12206fb22c0e8395bb9

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added Support to disable the BLF call pickup process for both methods "Replaces header" and "Prefix" [BLF CALL PICKUP]
- Added Support to disable/enable ringtone on headset [ALWAYS RING SPEAKER]
- Added Support to show both call session timer and hold duration timer on LCD during call hold [SHOW ON HOLD DURATION]

- Added Support to set only the same account in conference [ONLY SAME ACCOUNT IN CONFERENCE]
- Added Support to automatically firmware upgrade [FIRMWARE UPGRADE SILENTLY]
- Added Support to turn off LCD even if there is a missed call notification and flash MWI Led [DISABLE MISSED CALL BACKLIGHT]
- Added Support to park call real number [CALL PARK ENHANCEMENT]
- Added Support to allow configuration backup not to include CA/Custom certificate
- Added Option to disable incoming call popup [INCOMING CALL POPUP]
- Added Support of exact match lookup method for LDAP search [EXACT MATCH SEARCH]
- Added Support to display or hide Diversion info [DIVERSION INFO DISPLAY]
- Added Support to sort the favorite contacts by First Name or Last Name [SORT PHONEBOOK]
- Added VPKs to TR069 Data Model
- Removed subscription then changing subscribe information [SUBSCRIPTION ENHANCEMENT]
- Added Support to allow custom softkey values in all phone states [CUSTOM SOFTKEY VALUES]
- Added Support for more of 30 groups in local phonebook
- Added Support of manual VLAN configuration [MANUAL VLAN CONFIGURATION]
- Updated Spanish, French, Portuguese, German, Italian, Russian LCD and Web language display
- Changed weather system to be based on IBM weather company data

BUG FIX

- Fixed Device SCA LED shows wrong indicator with UCM when resuming public-held call
- Fixed Device cannot login and shows remote host closed connection for Broadsoft UC-One
- Fixed Timezone values are not correct for some locations
- Fixed Device duplicating extensions monitored by EventList BLF
- Fixed Device BLF worked abnormally when configured with Eventlist BLF
- Fixed Device contacts with same extension number got duplicated when downloading the phonebook automatically in public mode
- Fixed Multicast Paging channel issue
- Fixed Multicast paging listening address issue
- Fixed access to a root shell (CVE-2018-17565)
- Fixed Line key LED display wrongly when there's an inbound call handling with multiple accounts
- Fixed "Reconf" softkey in conference holding page displayed abnormally
- Fixed Device EXT 2/3/4 MPK are not included in the device TR-069 data mode
- Fixed NTP Update interval missing on TR-069 data mode
- Fixed Device didn't contact ACS server URL provided through DHCP Option 43
- Fixed device failed to provision some MPK modes failed through TR069
- Fixed TR069 device applied SetParameterValues even there is an invalid parameter
- Fixed Device didn' send the complete codecs list in DataModel
- Fixed The port of Broadsoft IM&P was abnormal
- Fixed API bypass dial plan doesn't work
- Fixed device cut off Cyrillic names after importing a Phonebook XML file

- Fixed Parameter values for line keys does not take effect through TR069
- Fixed Device didn't send BYE message after completing the blind transfer and putting the handset onhook
- Fixed 100rel related call completion issue
- Fixed Device added 802.1Q tag when VLAN ID is 0 and priority value is not 0
- Fixed Keypad Lock feature does not work
- Fixed Device used inactive in SDP to put call on hold
- Fixed some matching rules didn't swap along with account
- Fixed Alternate device Shared line indicator was off when the incoming call is picked up by primary device
- Fixed Device didn't use BLF server address if BLF server address contained a port
- Fixed Device met network down intermittently after connecting to the POE switch
- Fixed Device failed to retrieve parked call when "force BLF call-pickup by prefix is set to yes
- Fixed Device showed wrong BLF status when receiving NOTIFY too quickly
- Fixed Device didn't return BUSY when disabling call waiting for the second received call (when first call hasn't been answered
- Fixed Device SCA Line-Seize failed with Broadsoft
- Fixed Device secondary device works incorrect when trying to pick up a private-held call by primary device with Broadsoft
- Fixed Multicast paging listener didn't get paged
- Fixed Device 2nd incoming call changed 1st call's caller number with shared line mode
- Fixed Device sent wrong request to get DHCPv6 address with Broadsoft
- Fixed Device kept playing busy tone after we hang up the first call and still talking in the second call
- Fixed BLF key does not change status after receiving Notify with status update
- Fixed Ringtones in uploaded contacts didn't keep identical
- Fixed Device shared line's VPK LED displayed abnormally
- Fixed Device crashed after changing Eventlist BLF URI and Auto Provision Eventlist BLF multiple times

NEW FEATURES OVERVIEW

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

BLF CALL PICKUP

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → SIP settings → Advanced Features.

> BLF Call-pickup   ● Auto ○ Force BLF Call-pickup by prefix ○ Disabled

- **Functionality**

Now the users can choose the function of the monitored BLF to do as such:

If select Auto:

If the Server include the Call-ID, from-tag, to-tag, and Notify, device will use the replace header. If not, device will use the BLF pickup prefix.

If select Force BLF Call-pickup by prefix:

Device will only use Prefix as BLF pickup method.

If select Disable:

Device will ignore both BLF pickup method, now the monitored VPK will only dial the extension if pressed.

- **Pvalue**

Pvalue	Description	Value Range	Default
P6752 (Acc. 1) P6753 (Acc. 2) P6754 (Acc. 3) P6755 (Acc. 4) P6756 (Acc. 5) P6757 (Acc. 6)	<New Pvalue> BLF Call-Pickup	Value = 0; Auto Value = 1; Force BLF Call-Pickup by prefix Value = 2; Disabled	Auto

ALWAYS RING SPEAKER

- **Web Configuration**

This option can be found under device web UI→ Settings → Preferences → Audio Control.

Always Ring Speaker   ⦿ No ○ Yes, both ○ Yes, speaker only

- **Functionality**

Now the users can choose to either ring from their headset, ring from both headset and device, or only ring from device.

- **Pvalue**

Pvalue	Description	Value Range	Default
P1439	<New Pvalue> Always Ring Speaker	Value = 0; No Value = 1; Yes, both Value = 2; Yes, speaker only	No

SHOW ON HOLD DURATION

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features→ Show on Hold Duration.

Show On Hold Duration   ⦿ No ⚬ Yes

- **Functionality**

Now users can see how long their call has been hold with this option set to YES.
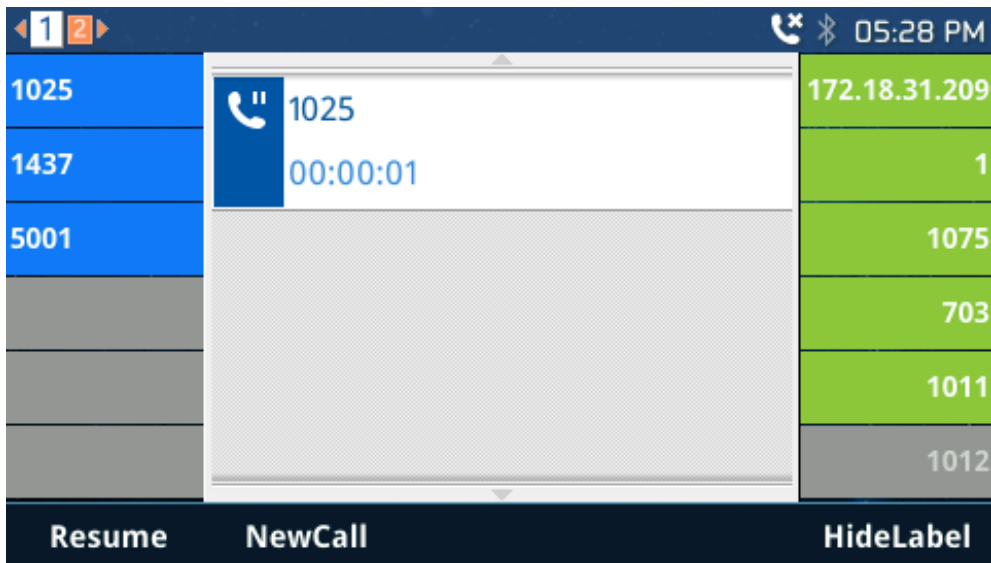
- **Pvalue**

Pvalue	Description	Value Range	Default
P8503	<New Pvalue> Show On Hold Duration	Value = 0; No Value = 1; Yes	No

ONLY SAME ACCOUNT IN CONFERENCE

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features→Only Same Account in conference.

Only Same Account in Conference   ⦿ No ⚬ Yes

- **Functionality**

Now users can limit the ability for device to cross conferencing different accounts.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8506	<New Pvalue> Only Same Account in Conference	Value = 0; No Value = 1; Yes	No

FIRMWARE UPGRADE SILENTLY

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Upgrade and Provisioning

Firmware Upgrade Confirmation   ○ No ● Yes

- **Functionality**

Now users can skip the upgrade confirmation. If enabled, the phone will check the provisioning server, if new firmware exists, the phone will automatically upgrade.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8375	<New Pvalue> Firmware Upgrade Confirmation	Value = 0; No Value = 1; Yes	Yes

DISABLE MISSED CALL BACKLIGHT

- **Web Configuration**

This option can be found under device web UI→ Settings → Preferences → LCD Display.

Disable Missed Call Backlight   ● No ○ Yes ○ Yes, but flash MWI LED

- **Functionality**

Now phone can also turn off LCD backlight while having a missed call. If users want to have missed call notification, select yes, bug flash MWI LED so when missed call exist, MWI will not be deemed.

- **Pvalue**

Pvalue	Description	Value Range	Default
P351	<New Pvalue> Disable Missed Call Backlight	Value = 0; No Value = 1; Yes Value = 2; Yes, but flash MWI LED	No

CALL PARK ENHANCEMENT

- **Functionality**

Now if a call is parked via VPK call park, the display on the VPK will change between CID of the active call and the parking number.

INCOMING CALL POPUP

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features→Enable Incoming Call Popup.

Enable Incoming Call Popup   ○ No ● Yes

- **Functionality**

Now when there's an ongoing call, users can disable call pop up. This way users will not get disrupted by unexpected popup call but still get notify by the flashing line LED.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8401	<New Pvalue> Enable Incoming Call Popup	Value = 0; No Value = 1; Yes	Yes

EXACT MATCH SEARCH

- **Web Configuration**

This option can be found under device web UI→ Phonebook → LDAP→Exact Match Search.

Exact Match Search   ● No ○ Yes

- **Functionality**

With LDAP Lookup Incoming call, Outgoing call selected, device will perform LDAP search during incoming and outgoing call. If exact match search enabled, during the LDAP search, device will only get the result

that matches the search input exactly. i.e. if 100 is the incoming/outgoing number only 100 will get searched, *100* will not.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8505	<New Pvalue> Exact Match Search	Value = 0; No Value = 1; Yes	No

DIVERSION INFO DISPLAY

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features→Enable diversion information display.

Enable diversion information display ○ No ● Yes

- **Functionality**

When forwarding a call, the recipient will display a "diverted from" message. If user selects No, when phone receives a forwarded call, phone will not display the "diverted from" message.
"Diverted From" message:
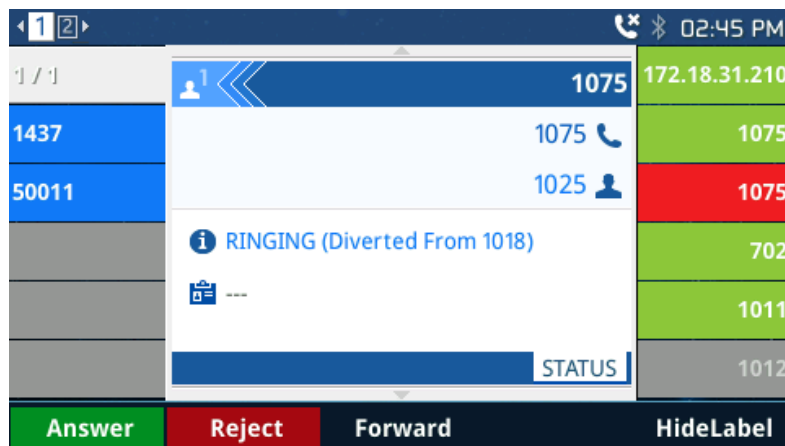
- **Pvalue**

Pvalue	Description	Value Range	Default
P22237	<New Pvalue> Enable Diversion Information display	Value = 0; No Value = 1; Yes	Yes

SORT PHONEBOOK

- **Web Configuration**

This option can be found under device web UI→ Phonebook → Phonebook Management→Sort Phonebook by.

Sort Phonebook by   ⊙ Last Name ○ First Name

- **Functionality**

Now users can select the sorting style when performing search on LCD.

- **Pvalue**

Pvalue	Description	Value Range	Default
P2914	<New Pvalue> Sort Phonebook by	Value = 0; Last Name Value = 1; First Name	Last Name

SUBSCRIPTION ENHANCEMENT

- **Functionality**

Now when changing the VPK information that requires subscription, device will perform unsubscribe first, then perform a new subscription. This way server will know that previous subscription has been void.

CUSTOM SOFTKEY VALUES

- **Web Configuration**

This option can be found under device web UI→ Settings → Programmable Keys → Call Screen Softkeys.

Call Screen Softkeys

Order	Mode	Description	Value
1	Default ▾		
2	Default ▾		
3	Default ▾		

Save   Reset

- **Functionality**

Now users can configure whatever the mode and value they want to use in call screen on Call Screen Softkeys. (Similar to MPK, but with limited set.)

MANUAL VLAN CONFIGURATION

- **Web Configuration**

This option can be found under device web UI→ Network → Advanced Settings→Enable Manual VLAN Configuraion.

Enable Manual VLAN Configuration   ○ Enabled ◉ Disabled

- **Functionality**

Now users can choose to bypass VLAN configuration and only use the DHCP VLAN as their config for VLAN tag and priority when this option is set to Disabled.

- **Pvalue**

Pvalue	Description	Value Range	Default
P22174	<New Pvalue> Enable Manual VLAN Configuration	Value = 0; Enabled Value = 1; Disabled	Enabled

FIRMWARE VERSION 1.0.9.108

PRODUCT NAME
GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE
08/17/2018

FIRMWARE FILE INFORMATION
- GXP2130 firmware file name: gxp2130fw.bin

  MD5: 7f8366aafd5e005271fbfa3acd115542

- GXP2135 firmware file name: gxp2135fw.bin

  MD5: 42c8c63f1d92bba4d090074c90603d7d

- GXP2140 firmware file name: gxp2140fw.bin

  MD5: 721ed3df7c6f8021bdacc242b09f3688

- GXP2160 firmware file name: gxp2160fw.bin

  MD5: 51cacdce62f8b7276c6e1495c7df2356

- GXP2170 firmware file name: gxp2170fw.bin

  MD5: 3eafeb98a8eaf15163f07f0442c8be02

IMPORTANT UPGRADING NOTE
- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

BUG FIX
- Fixed Phone responds 488 to INVITE incorrectly
- Fixed Device LCD displayed black screen in upgrade process until entering boot up status
- Fixed DHCP Vlan worked abnormally
- Fixed BLF cannot be provisioned successfully for 3CX
- Fixed Device crashed if unregistered account switched "Authentic Incoming INVITE" then received incoming call

- Fixed Multicast paging priority disable option didn't work
- Fixed Hide Vocoder didn't work
- Fixed Device intermittently does not allow terminal to be answered
- Fixed Handset audio changes to speakerphone in some SCA Scenario
- Fixed Option "Prefer, fallback when failed" in "Allow DHCP Option 43 and Option 66 to Override Server" worked abnormally
- Fixed Broadsoft SRTP negotiation worked abnormally when SRTP is enabled and call is held
- Fixed Establishing a call worked abnormally when caller set SRTP to no and callee set SRTP to enable but not forced

FIRMWARE VERSION 1.0.9.102

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

06/21/2018

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

  MD5: 9418e5307e1d2e8544eb890cb19f8904

- GXP2135 firmware file name: gxp2135fw.bin

  MD5: 4a2b5879044f32504699dccb0a6a7694

- GXP2140 firmware file name: gxp2140fw.bin

  MD5: 6e00d64877363580b138db4710954b7b

- GXP2160 firmware file name: gxp2160fw.bin

  MD5: 37e1c8308b2e2d86e89ddf0ccc747e81

- GXP2170 firmware file name: gxp2170fw.bin

  MD5: 445eb22db7825d8230be0b6d146394cb

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added Support to download certificate files during provisioning [DOWNLOAD CERTIFICATE FILES DURING PROVISION]
- Added Support for CID and Image from SIP NOTIFY [CID AND IMAGE FROM SIP NOTIFY]
- Updated Korean LCD and web UI display translations

- Added Option to enable or disable Acoustic Echo Cancellation [ENHANCED ACOUSTIC ECHO CANCELLER]

- Added Ability to randomize the sending of TR069 INFORM message for iPageOn platform [RANDOMIZED TR069 STARTUP]

- Added Support for 802.1x authentication with special letter like "@","-" [802.1X AUTHENTICATION WITH SPECIAL LETTERS]

- Improved Device to send SIP SUBSCRIBE messages when switching between OBPs

- Added More fields for Distinctive Ring Tone (Matching Rule)   [MORE   MATCHING   RULES SUPPORTED]

- Added more character for password input from LCD

- Added support for more Action URL notification [ACTION URL IMPROVEMENT]

- Added support for SNMPv3

- Added support for Group Listening softkey [GROUP LISTENING]

- Added support to configure device with custom certificate signed by custom CA certificate [CUSTOM CERTIFICATE]

- Added FTP support for provisioning and firmware upgrade [FTP (FTPS) SUPPORT]

- Added Catalan Language support

- Added option to enable/disable instant messages on LCD screen [ENABLE IM POPUP]

- Added support to allow custom softkey values configurable in all phone states [CUSTOMIZE SOFTKEY LAYOUT]

- Allow provision to fallback to origin server path if it fails from the server from DHCP option 66

- Added support to inverse the sequence of uploading cfg files when the phone is forced to load all config files [INVERSE CFG FILES UPLOADING SEQUENCE]

- Added max download/search result number support for Broadsoft XSI directory [MAX DOWNLOAD/SEARCH LIMITATION FOR BROADSOFT XSI]

- Removed downloading all XSI directory on reboot for Broadsoft [BROADSOFT XSI DIRECTORY DOWNLOAD IMPROVEMENT]

- Added login window to access Broadsoft xsi directory if set as login credential when credential is empty or login failed

- Added kick option for network conference for Broadsoft

- Added ability to generate core dump files manually according to Phone or GUI [GENERATE CORE DUMP]

- Allowed feature key sync for call forward with local call features disabled for Broadsoft [NO NEED TO DISABLE LOCAL CALL FEATURES WITH BROADSOFT]

- Allow BLF key to pick up a call parked on a monitored extension for Broadsoft [BLF TO PICKUP PARKED CALL]

- Added monitored call park on busy lot should be denied [BUSY PARKING LOT]

- Added Web UI Entry for Users to Append OpenVPN Config Options

- Added support to see how long a call has been on hold from the phone LCD display [ONHOLD DURATION]

- Added ability to show/hide VPK shared line description value by provisioning [SHOW VPK SHARED LINE DISPLAY DESCRIPTION]
- Added Dial plan flag T support [DIAL PLAN FLAG T SUPPORT]
- Removed Device's unused P-Values from the configuration backup file downloaded from Web UI
- Supported Mute function during dialing outgoing call phase
- Updated Broadsoft XSI Contact Download Interval tooltip
- Improved Broadsoft SCA feature for handling multiple call arrangement under Account Mode
- Updated Broadsoft XSI download interval default value to 72 hours

BUG FIX

- Fixed some comments display error
- Fixed BLF call pick-up dial plan does not work correctly
- Fixed Uploaded ring tone plays abnormally if "Always Ring Speaker" is enabled
- Fixed LCD displays encryption icon in multicast paging call
- Fixed Call forwarding via LCD menu does not work correctly
- Fixed Device does not send SIP SUBCRIBE messages when switching between OBPs
- Fixed Device does not send "Idle to Busy" action URL after entering onhook dialing page.
- Fixed Invite cannot be printed out in syslog
- Fixed Device audio loss issue when there is jump in RTP timestamp.
- Fixed Device LCD screen quits dialing screen while editing the call forward destination number
- Fixed Device freezing with possible memory leak
- Fixed The tooltip of "Proxy server Switch Delay" display error
- Fixed Exporting backup package works abnormally
- Improved the softkey for conference should not appear until getting ringback tone from the PSTN line and then establishing a successful conference
- Fixed Device's echo sound on speaker issue
- Fixed Device responds with 488 when incoming INVITE contains 2 m lines on RTP and SRTP causing calls to fail with BroadSoft SBC
- Fixed Locked keypad gets unlocked after setting "Keypad Lock Timer" to 0
- Fixed No sound in speaker mode after pressing SpkOn during headset call if "Ring for Call Waiting" is enabled
- Fixed Device One-way audio issue after semi-attended transfer using SRTP
- Fixed Device only sends missed call URL after rejecting call if both Missed Call URL and Rejected Call URL are configured
- Fixed Device only CONTACT header is using SIPS when setting SIP URI Scheme when using TLS to SIPS
- Fixed Device still sends all other syslog packets when setting the syslog level to ERROR
- Fixed Device still sends TCP Keep-Alive With all Keep-Alive settings off
- Fixed "Download and Process ALL Available Config Files" function works abnormally
- Fixed Device's Conference URI works abnormally with shared line for Broadsoft
- Fixed Device's establishment of conference is abnormal with shared line for Broadsoft

- Fixed Picking up a call works abnormally when registering on Broadsoft and set VPK to Shared Line mode
- Fixed No call forwarding indicator when local call features are turned off for Broadsoft
- Updated Call hold is not allowed if receiving a 488
- Updated Support of BLF state following pval value for iPageOn platform
- Fixed Device doesn't display "Ignoree ATE" in bootup process when MAC address is 0
- Fixed Daylight Saving Time does not work correctly for some time zones
- Fixed Picking up a call is abnormal when device is registered on BroadSoft and set VPK mode with Shared in Line mode
- Fixed device does not send DND status back to PBX after 200OK with 3CX server
- Fixed HTTP provision will return 505 error if config path contains space
- Fixed device can't download the config file by using HTTPS from BroadWorks server
- Fixed device adds the content of the Number attribute field to the Filter
- Fixed device does not re-establish PPPoE connection after Termination request from server
- Fixed audio stutter during re-invite in dialog
- Fixed Outbound Notification SMTP stopped working
- Fixed "Randomized Automatic Upgrade" spelling mistakes
- Fixed "Favorite" contacts can't be displayed immediately at handset off-hook
- Fixed "Automatic Upgrade" works abnormally
- Fixed device LCD updates network status slowly after factory reset
- Fixed device works abnormally if unavailable shared line key is pressed
- Fixed LCD display abnormally when pressing shared line key under account mode
- Fixed EXT backlight can't be woken up if there's an incoming call in DND status
- Fixed provision shortcut keys do not work in Menu locked mode
- Fixed Account Ringtone settings not accessible on LCD menu under "Basic Settings Only" Mode
- Fixed firmware upgrade via method automatically changing after factory reset then provision
- Fixed pressing # or "Send" key cannot dial out if waiting for 5s after putting numbers in conference or transfer process
- Fixed device takes wrong IP in contact header of subscribe packets after IP change
- Fixed some modes (speed dial/intercom) of Idle screen softkeys can be saved without value
- Fixed LCD displays abnormally if the call is transferred to unavailable contact
- Fixed numbers do not match dial rules but still can be recorded to call history
- Fixed group name length limit in LCD is different from that on web
- Fixed device calls wrong numbers if pressing Speed dial mode MPK/VPK/EXT in dialing page
- Fixed predictive dial works abnormally if set Preferred Default Account with Hand free mode
- Fixed automatic redial destination is wrong
- Fixed lock volume doesn't work after enabling Toggle headset/speaker mode
- Fixed Eventlist BLFs LED still lighten up after logging out public mode
- Fixed offhook/onhook and cancelling dial would trigger Terminated Call Event action URL
- Fixed device shows "saved successfully" if setting Weather update interval with value length larger 20
- Fixed device makes failover last around 15 minutes when SIP/TCP is set on the phone

- Fixed device refreshes register after modifying any options on web pages
- Fixed Broadsoft Key Synchronize cannot perform correctly if local call feature is disabled
- Fixed shared line indicator should change in private hold for Broadsoft
- Fixed LCD Softkey "ForwardAll" and "CancelFwd" not work under "Shared Line" Mode for Broadsoft
- Fixed device cannot make calls using the BLF buttons
- Fixed alternate device and Broadworks won't get synchronized after Primary device set call forward all for Broadsoft Shared line mode
- Fixed contacts are cleared after uploading wrong format phonebook.xml
- Fixed no call forwarding indicator when local call feature is turned off
- Fixed Broadsoft contact download interval may not update correctly in some scenarios
- Fixed device shared line GUI crash issue
- Fixed device handles wrong after dialing some number that does not match dial plan when setting bypass dial plan feature to No
- Fixed LCD warning is wrong after IP call being rejected
- Fixed ring for call waiting works abnormal when ringtone is set to custom ringtone
- Fixed call history duration of unavailable number displays abnormally
- Fixed some action URL commands do not work
- Fixed option 120 didn't work
- Fixed conference URI works abnormally with shared line issue with Broadsoft
- Fixed pressing line key couldn't answer call in Account mode paging call mode
- Fixed BLF red Light stays on
- Fixed device doesn't play reorder tone in "Onhook Dial Barging" disabling status
- Fixed account name displays incompletely in dialing page
- Fixed long pressing EXT cannot skip missed call notification popup window
- Fixed BLF status does not update when registration is lost with SIP primary server
- Fixed entity body in request is missing after receiving 302 message for Broadsoft XSI
- Fixed keypad lock timer worked abnormally after being modified several times
- Fixed device works abnormally if there's incoming call after failing to unlock keypad
- Fixed device auto dials non-emergency number in Functional Keypad Lock mode
- Fixed device uses IPv6 even though network is set to IPv4 only with Broadsoft XSI
- Fixed device needs a prompt for warning customer it cannot play video voicemail with Braodsoft XSI
- Fixed device displays misses call after receiving two reasons in SIP CANCEL
- Fixed group displays abnormally after deleting group and uploading phonebook.xml file
- Fixed device works abnormally if running API commands in screensaver status
- Fixed device doesn't take user=phone in contact header if setting "SIP Listening Mode" with Dual
- Fixed device works abnormally if disabling Headset mode in onhook dialing page
- Fixed softkey disappears after pressing Save softkey directly in Call Features page
- Fixed account displays wrong if swapping account then sending IM
- Fixed device works abnormally with some characters when sending IM
- Fixed device does not keep voice vlan when LLDP is set to voice vlan and voice-signaling vlan

NEW FEATURES OVERVIEW

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

DOWNLOAD CERTIFICATE FILES DURING PROVISION

- **Functionality**

Now if phones are provisioned from xml file through http/https/tftp/ftp/ftps, users can put URL in the Pvalue field instead of the actual certificate content in text. The phone will then process the URL and search for the appropriate certificate and download then apply into the phone.

CID AND IMAGE FROM SIP NOTIFY

- **Functionality**

We have already supported the CID and Image previously. Now if phone receives NOTIFY message with type header: "application/cid-info+xml" and event header: "cid-info-update", phone will also take the message.

ENHANCED ACOUSTIC ECHO CANCELLER

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features → Enable Enhanced Acoustic Echo Canceller.
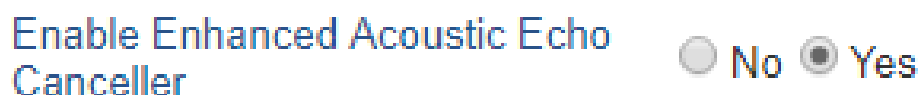
- **Functionality**

Now users are able to choose to enable or disable the echo canceller on their phone in speaker mode.

- **Pvalue**

Pvalue	Description	Value Range	Default
P22175	<New Pvalue> Enable Enhanced Acoustic Echo Canceller	Value = 0; No Value = 1; Yes	Yes

RANDOMIZED TR069 STARTUP

- **Web Configuration**

This option can be found under device web UI→ Maintenance → TR-069 → Randomized TR069 Startup.

Randomized TR069 Startup   ● Disabled ○ Enabled

- **Functionality**

Now users are able to to randomize the sending of TR069 INFORM packets.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8487	<New Pvalue> Randomized TR069 Startup	Value = 0; Disabled Value = 1; Enabled	Disabled

### 802.1X AUTHENTICATION WITH SPECIAL LETTERS

- **Functionality**

When phone needs to be authenticated by 802.1x and the switch gives special symbols such as "-" and "@" to the username or password, now phone supports those special symbols and won't indicate them as invalid input.

MORE MATCHING RULES SUPPORTED

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → Call Settings.

- **Functionality**

Now instead of supporting three matching rules ringtone settings, users can have up to ten matching incoming caller ID

- **Pvalue**

Pvalue	Description	Value Range	Default
Account 1-6: P6716 P6722 P6728 P6734 P6740 P6746	<New Pvalue> Match Incoming Caller ID 4	String	N/A
Account 1-6: P6718 P6724 P6730 P6736 P6742 P6748	<New Pvalue> Match Incoming Caller ID 5	String	N/A
Account 1-6: P6720 P6726 P6732 P6738 P6744 P6750	<New Pvalue> Match Incoming Caller ID 6	String	N/A
Account 1-6: P26064 P26164 P26264 P26364 P26464 P26564	<New Pvalue> Match Incoming Caller ID 7	String	N/A
Account 1-6: P26066 P26166 P26266	<New Pvalue> Match Incoming Caller ID 8	String	N/A

P26366			
P26466			
P26566			
Account 1-6: P26068 P26168 P26268 P26368 P26468 P26568	<New Pvalue> Match Incoming Caller ID 9	String	N/A
Account 1-6: P26096 P26196 P26296 P26396 P26496 P26596	<New Pvalue> Match Incoming Caller ID 10	String	N/A

Pvalue	Description	Value Range	Default
Account 1-6: P6717 P6723 P6729 P6735 P6741 P6747	<New Pvalue> Match Rule 4 Ringtone	Value= -1 No Ringtone; Value= 0 system ring tone; Value= 1 custom ring tone 1; Value= 2 custom ring tone 2; Value= 3 custom ring tone 3; Value= 4 silent; Value= 5 Default Ringtone.	Default Ringtone
Account 1-6: P6719 P6725 P6731 P6737 P6743 P6749	<New Pvalue> Match Rule 5 Ringtone	Value= -1 No Ringtone; Value= 0 system ring tone; Value= 1 custom ring tone 1; Value= 2 custom ring tone 2; Value= 3 custom ring tone 3; Value= 4 silent; Value= 5 Default Ringtone.	Default Ringtone
Account 1-6: P6721 P6727	<New Pvalue> Match Rule 6 Ringtone	Value= -1 No Ringtone; Value= 0 system ring tone; Value= 1 custom ring tone 1;	Default Ringtone

P6733 P6739 P6745 P6751		Value= 2 custom ring tone 2; Value= 3 custom ring tone 3; Value= 4 silent; Value= 5 Default Ringtone.	
Account 1-6: P26065 P26165 P26265 P26365 P26465 P26565	<New Pvalue> Match Rule 7 Ringtone	Value= -1 No Ringtone; Value= 0 system ring tone; Value= 1 custom ring tone 1; Value= 2 custom ring tone 2; Value= 3 custom ring tone 3; Value= 4 silent; Value= 5 Default Ringtone.	Default Ringtone
Account 1-6: P26067 P26167 P26267 P26367 P26467 P26567	<New Pvalue> Match Rule 8 Ringtone	Value= -1 No Ringtone; Value= 0 system ring tone; Value= 1 custom ring tone 1; Value= 2 custom ring tone 2; Value= 3 custom ring tone 3; Value= 4 silent; Value= 5 Default Ringtone.	Default Ringtone
Account 1-6: P26069 P26169 P26269 P26369 P26469 P26569	<New Pvalue> Match Rule 9 Ringtone	Value= -1 No Ringtone; Value= 0 system ring tone; Value= 1 custom ring tone 1; Value= 2 custom ring tone 2; Value= 3 custom ring tone 3; Value= 4 silent; Value= 5 Default Ringtone.	Default Ringtone
Account 1-6: P26097 P26197 P26297 P26397 P26497 P26597	<New Pvalue> Match Rule 10 Ringtone	Value= -1 No Ringtone; Value= 0 system ring tone; Value= 1 custom ring tone 1; Value= 2 custom ring tone 2; Value= 3 custom ring tone 3; Value= 4 silent; Value= 5 Default Ringtone.	Default Ringtone

ACTION URL IMPROVEMENT

- **Web Configuration**

This option can be found under device web UI→ Settings → Outbound Notification → Action URL.

Action URL

Setup Completed	
Registered	
Unregistered	
Register Failed	
Off Hook	
On Hook	
Incoming Call	
Outgoing Call	
Missed Call	
Answered Call	
Rejected Call	
Forwarded Call	
Established Call	
Terminated Call	
Idle to Busy	
Busy to Idle	

- **Functionality**

Now phone supports more action URL including: Unconditional Forward, No Answer Forward, Transfer, Mute, etc.

GROUP LISTENING

- **Web Configuration**

This option can be found under device web UI→ Settings → Preferences → Audio Control.

Enable Group Listening   ○ No ● Yes

Group Listen with Speaker   ○ No ● Yes

- **Functionality**

Enabling Group Listening will enable speaker sound while the handset/headset still functioning as they should.
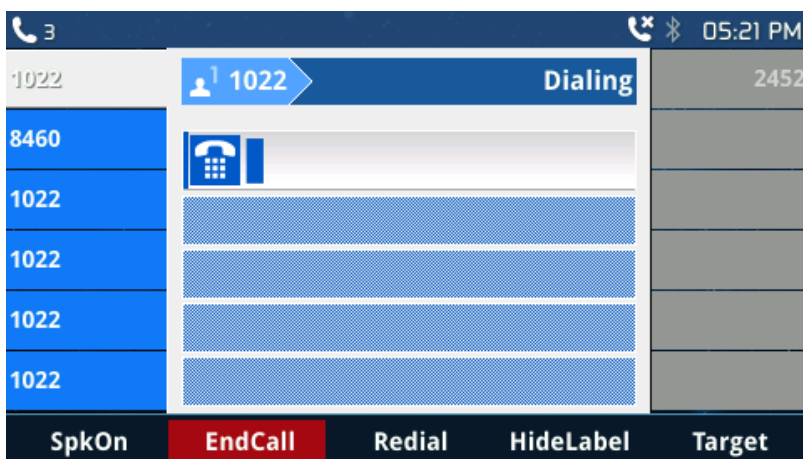
- **Pvalue**

Pvalue	Description	Value Range	Default
P22100	<New Pvalue> Enable Group Listening	Value = 0; No Value = 1; Yes	No
P22163	<New Pvalue> Group Listen with Speaker	Value = 0; No Value = 1; Yes	No

CUSTOM CERTIFICATE

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security Settings → Security.

- **Functionality**

Now if the users want to upload their own certificate, they can upload from the custom certificate that allows the server to verify with the phone.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8472	<New Pvalue> Custom Certificate	String (by upload)	N/A

FTP (FTPS) SUPPORT

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Upgrade and Provisioning → Config

---

Upgrade via.

- **Functionality**

Now other than TFTP/HTTP/HTTPS, we also support FTP and FTPS for provisioning and firmware upgrade.

- **Pvalue**

Pvalue	Description	Value Range	Default
P212/ P6767	Config Upgrade via	Value = 0; TFTP Value = 1; HTTP Value = 2; HTTPS Value = 3; FTP Value = 4; FTPS	2

ENABLE IM POPUP

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features → Enable IM Popup.

- **Functionality**

Now users can choose to get popup window on their LCD or not when receiving an instant message.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8474	<New Pvalue> Enable IM Popup	Value = 0; No Value = 1; Yes	Yes

CUSTOMIZE SOFTKEY LAYOUT

- **Web Configuration**

This setting can be found under device web UI→ Settings → Programmable Keys → Idle Screen Softkeys / Call Screen Softkeys.

Idle Screen Softkeys

Order	Mode	Account	Description	Value
1	Default ▼	Account 1 ▼		
2	Default ▼	Account 1 ▼		
3	Default ▼	Account 1 ▼		

Save   Reset

Call Screen Softkeys

Order	Mode	Description	Value
1	Default ▼		
2	Default ▼		
3	Default ▼		

Save   Reset

- **Functionality**

Now users can setup their own customized softkeys and arrange their layout in idle screen or call screen.

INVERSE CFG FILES UPLOADING SEQUENCE

- **Functionality**

Now if enabled "Download and Process All Available Config Files", the phone will inverse the downloading process to cfg.xml > cfggxp21xx.xml > cfgMAC.bin > cfgMAC.xml. The following files will override the files that has already been load and processed.

MAX DOWNLOAD/SEARCH LIMITATION FOR BROADSOFT XSI

- **Web Configuration**

This option can be found under device web UI→ Settings → Broadsoft → Broadsoft XSI.

Broadsoft Contacts Download Limitation	100
Broadsoft Contacts Search Limitation	100

- **Functionality**

Now users are able to set a maximum Broadsoft XSI contacts download/search number. If users reach this maximum number, phone will pop up message to remind users.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8464	<New Pvalue> Broadsoft Contacts Download Limitation	0-2000	100
P8465	<New Pvalue> Broadsoft Contacts Search Limitation	0-2000	100

BROADSOFT XSI DIRECTORY DOWNLOAD IMPROVEMENT

- **Functionality**

Now instead of downloading all XSI directory on reboot, phone will download at following scenario:

- First time when users access Broadsoft Phonebook;
- When users change setting related with XSI directory;
- When download interval triggers downloading (This Interval will start to count after 1st time downloading successfully);
- When users press download softkey (In this case, phone will only download related directory type).

GENERATE CORE DUMP

- **Web Configuration**

This option can be found under device web UI→ Status → System Info.
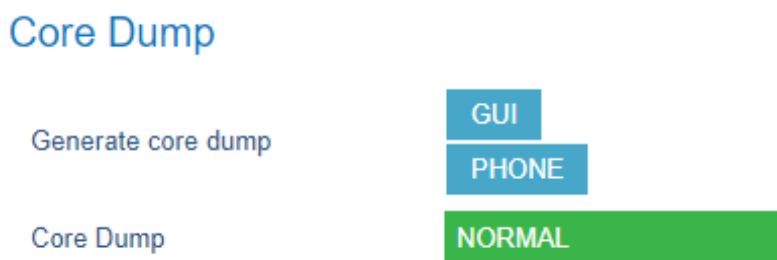
- **Functionality**

Now when the phone freezes up or crashes, instead of waiting for the phone to generate a core dump file, users can generate core dump files manually according to the frozen part: PHONE or GUI.

NO NEED TO DISABLE LOCAL CALL FEATURES WITH BROADSOFT

- **Functionality**

Now if device is registered with Broadsoft account, no matter local call features are enabled or disabled,

once the Broadsoft account is set special feature to Broadsoft and Feature Key Synchronization is enabled, the call feature will be handled by Broadsoft server, not by the phone.

BLF TO PICKUP PARKED CALL

- **Functionality**

In Broadsoft environment, now if user A parked a call, and user B has a BLF VPK that monitors user A, user B can simply press the VPK to retrieve the parked call.

BUSY PARKING LOT

- **Functionality**

Now if user tries to park a call to an occupied parking lot, the parking process will fail and the conversation will resume.

ONHOLD DURATION

- **Functionality**

Now if a call was on hold, the holder can see each call's held time if there are more than 3 calls at the same time.
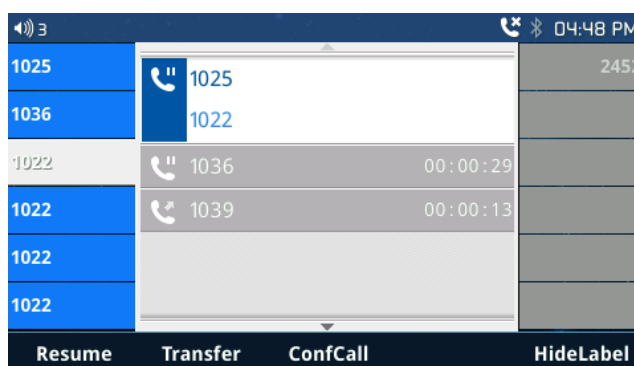
SHOW VPK SHARED LINE DISPLAY DESCRIPTION

- **Functionality**

VPK shared line display description is a new option that will allow admins to decide to show or hide the description value for VPK shared line.

Note: This only can be done with provisioning.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8484	<New Pvalue> Show VPK shared line	Value = 0; No Value = 1; Yes	Yes

	display description		

DIAL PLAN FLAG T SUPPORT

- **Functionality**

When editing/adding Dial plans, adding a "T" at the end of the plan will make the phone wait for 3 seconds before dialing out. This allows users to have more flexibility on their dial plan setup. For example, with dial plan 1XXT, user will be able to dial more than just 3 digits, while originally the phone will dial out immediately after dialing the third digit.

FIRMWARE VERSION 1.0.9.69

PRODUCT NAME
GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE
03/08/2018

FIRMWARE FILE INFORMATION

- GXP2130 firmware file name: gxp2130fw.bin

  MD5: a6cf8f039cf1529dd45df85f77c1db8e

- GXP2135 firmware file name: gxp2135fw.bin

  MD5: 0389c4df0623c976a10a1c1752549493

- GXP2140 firmware file name: gxp2140fw.bin

  MD5: 89752d10df1d70aea0e8f424aa20da67

- GXP2160 firmware file name: gxp2160fw.bin

  MD5: 3b75cfcf3132fe9946c4e770eabb65f4

- GXP2170 firmware file name: gxp2170fw.bin

  MD5: bf9dde6727b53d41f41d4263afca890a

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added Confirm window for killing program to generate core dump on web UI
- Enhanced syslog to run on other ports instead of default port [SYSLOG ENHANCEMENT]
- Added Option to choose either to override or accumulate groups when uploading a new XML phonebook [IMPORT GROUP METHOD]

- Added Auto provision starts when certain p-values are changed [PVALUES THAT TRIGGER AUTO PROVISION]
- Added Attempt to download config files [ATTEMPT TO DOWNLOAD CONFIG FILE AGAIN]

BUG FIX

- Fixed Contacts are cleared after uploading wrong format phonebook.xml
- Fixed First P Value merges with the second comment in config.txt file
- Remove MAC address in the "User-Agent" header of the SIP Register messages for 3CX
- Fixed Phone does not send DND status back to PBX after 200OK for 3CX
- Fixed Firmware upgrade via method automatically changes after factory reset and provision
- Fixed BLF issue with Porta One platform
- Fixed Phone cannot make calls using the BLF buttons with handset on 3CX
- Fixed Phone leaves the stuck call in call park scenario with 3CX
- Fixed Phone randomly changes its IP address

NEW FEATURES OVERVIEW

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

SYSLOG ENHANCEMENT

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Syslog → Syslog Server.

Syslog Server   172.18.XX.XX:80

- **Functionality**

By adding port number to the syslog server field, the phone will send syslog to the corresponding port of that IP.

- **Pvalue**

Pvalue	Description	Value Range	Default
P207	Syslog Server	String	N/A

IMPORT GROUP METHOD

- **Web Configuration**

This option can be found under device web UI→ Phonebook → Phonebook management → Import Group Method.

Import Group Method   ● Replace ○ Append

- **Functionality**

Now when user import a new phonebook, they can choose either to replace the old phonebook groups, or to accumulate the old phonebook and the new phonebook together.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8462	<New Pvalue> Import Group Method	Value = 0; Replace Value = 1; Append	Replace

PVALUES THAT TRIGGER AUTO PROVISION

- **Functionality**

If the p-values listed below are changed while managing configuration on web UI or LCD, the provision process will be triggered:
- * 192 -- Firmware upgrade server
- * 232 -- Firmware prefix
- * 233 -- Firmware postfix
- * 6767 -- Firmware Upgrade Via
- * 6768 -- Firmware HTTP/HTTPS Username
- * 6769 -- Firmware HTTP/HTTPS Password
- * 237 -- Config upgrade Server
- * 212 -- Config upgrade via
- * 234 -- Config prefix
- * 235 -- Config postfix
- * 1360 -- Config HTTP/HTTPS username
- * 1361 -- Config HTTP/HTTPS password

ATTEMPT TO DOWNLOAD CONFIG FILE AGAIN

- **Functionality**

When doing provision on the phone, if your first config file contains p-values listed below, phone will try to download the potential second cfg.xml file and apply the second file without rebooting. Maximum 3 extra attempts. Those P-values are:
- *212 -- Config upgrade via
- *234 -- Config prefix
- *235 -- Config postfix

*237 -- Config upgrade Server

*240 – Authenticate Config File

*1359 – XML Config File Password

*8463 – Validate Server Certificate

*8467 – Download and process ALL Available Config Files

*20713 – Always authenticate before challenge

*22011 – Bypass Proxy For

*22030 – Enable SSL host verification for provision

FIRMWARE VERSION 1.0.9.63

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

02/16/2018

IMPORTANT UPGRADING NOTE

- **If the phone's web UI cannot be accessed after upgrading, please clear web browser cache and it should be accessible again. This is due to front end is cached with previous script, and this issue will be fixed in future release.**

ENHANCEMENT

- Added random firmware/config download time feature [RADOMIZED AUTOMATIC UPGRADE]
- Added "Account display" under account general settings [ACCOUNT DISPLAY]
- Added confirmation for factory reset from the Keypad while booting[CONFIRMATION FOR FACTORY RESET]
- Added SNMP support [SNMP SUPPORT]
- Added uaCSTA support for 3CX [uaCSTA SUPPORT FOR 3CX]
- Added support to automatically log in web UI from server interface for 3CX [AUTOMATICALLY LOG IN FROM 3CX SERVER INTERFACE]
- Added support to automatically log in web UI from server interface for 3CX
- Added support HTTP/HTTPS at the same time for 3CX
- Added "Let's Encrypt" Validation for 3CX
- Added Use SBC configuration for 3CX [USE SBC WITH 3CX]
- Added DoNotDisturbEvent support for 3CX [DONOTDISTURBEVENT SUPPORT FOR 3CX]
- Added support to customize idle time to log out web access [WEB SESSION TIMEOUT]
- Added support to customize number of failed attempt to access web GUI [WEB ACCESS ATTEMPT LIMIT]
- Added option to disable user web access [USER WEB ACCESS]
- Added ability to force the phone to download all configuration files [FORCE TO DOWNLOAD ALL CONFIG FILES]
- Enabled strong password for admin/user password [TEST PASSWORD STRENGTH]
- Added support to display Active VPK page [ACTIVE VPK PAGE]
- Added ability to increase/decrease the priority of each existing pattern under phone's dial plan [CHANGE PRIORITY OF EXISTING DIAL PLAN PATTERN]
- Allowed LCD backlight to be always on or always off [SUPPORT TO ALLOW LCD BACKLIGHT ALWAYS ON]

- Added Login Prefix/Suffix for public mode [PUBLIC MODE USERNAME PREFIX/SUFFIX]
- Added option on Web UI to warm deleting all contacts[WARNING MESSAGE FOR DELETING CONTACTS]
- Added Server Validation [SERVER VALIDATION]
- Added support to get OpenVPN files from HTTP/TFTP server[SUPPORT TO GET OPENVPN FILE FROM SERVER]
- Added softkey "Logout" when Public mode is enabled [LOGOUT SOFTKEY IN PUBLIC MODE]
- Added option to disable DND function [DISABLE DND FEATURE]
- Added support for SSH access with authentication keys [SSH PUBLIC KEY]
- Added ability to choose the predictive dialing source [PREDICTIVE DIALING SOURCE]
- Added option to enable/disable incoming call popup [ENABLE INCOMING CALL POPUP]
- Allowed BLF and speed dial to perform blind transfer during active call
- Added host name of the phone on the DHCP INFORM using DHCP Option 12
- Added support for HTTPS server based on TLSv1.2
- Added support for more of 30 groups on local phonebook
- Added option to include MAC address in the SIP User-Agent [USE MAC HEADER]
- Added support for VPK share line to display description value [VPK SHARED LINE DISCRIPTION]
- Added record user config privilege checking

BUG FIX

- Fixed Network gateway displayed wrong after removing network cable
- Fixed Device didn't send SUBSCRIBE to primary IP in SRV record
- Fixed All LEDs didn't light up after offhook then entering Diagnostic mode
- Fixed BLF light remained red after monitored extension performs transfer
- Fixed Broadsoft N-WAY conference worked abnormally with SCA
- Fixed Device cannot playback any voicemail for Broadsoft XSI voicemail
- Fixed Device "dial" softkey did not work correctly after performing remote search for Broadsoft Group Directory Search
- Fixed Device contact list lost status of all contacts when Broadsoft UC-One client logs in
- Fixed Device didn't display total charge during a call for Broadsoft advice-of-charge users
- Fixed Broadsoft XSI voicemail - Cannot playback any voicemail
- Fixed Device works abnormal after downloading Broadsoft call history
- Fixed Device enabled SCA only in one line key when hosting conference
- Fixed Device unable to dial star code during conference
- Fixed Swapped account's call history worked abnormally
- Fixed Device generated core dump file after lots osnf characters input in Description/Values of EXT/MPK
- Fixed 802.1x Client Certificate cannot be deleted
- Fixed Device was unable to save edited ringtones from phone's LCD screen
- Fixed Device worked abnormally if configured with wrong BLF server and multiple BLF keys
- Fixed Phone gets locked when using customer's LDAP setting

- Fixed Device couldn't handle the next 180 or 183 after encountering 183 session in progress
- Fixed Device didn't follow the SRTP Key length that was set after receiving no SDP in the INVITE
- Fixed Device uploading new phonebook cannot erase previous uploaded phonebook
- Fixed Device special characters are not displayed correctly in certain menus
- Fixed Max hits and Search Timeout of LDAP didn't work
- Fixed Device couldn't dial IP call logs if no account is registered successfully
- Fixed Device replied with 486 when the called extension is registered on the same phone
- Fixed Device ignored the number on TRANSFER screen after pressing Speed Dial MPK
- Fixed Device LCD displayed extra BlindTrnf softkey in GXE platform call park page
- Fixed There still displayed previous missed call icon in public mode
- Fixed The Ext board displayed abnormally when many members in Eventlist BLF URI
- Fixed Instant Message display abnormally
- Fixed Line LED displayed abnormally if disabled "Onhook Dial Barging" then came call in Account mode
- Fixed Device couldn't adjust the volume after the remote party ended the Bluetooth call
- Fixed NewCall softkey is invalid in HF call of Account Mode
- Fixed LCD could skip to dialing page after Offhook in NO LAN CABLE status
- Fixed Contact list will lose status of all contacts when UC one client logs in for IM&P
- Fixed Call center status icon didn't update in time
- Fixed LCD tip is wrong if using * to send emergency call in Functional keypad lock mode
- Fixed Device worked abnormally after pressing up/down key in Account Mode's multiple calls
- Fixed device didn't keep identical in serials automatic redial of Functional keypad locked mode
- Fixed Device didn't pop up Automatic redial window after being rejected twice
- Fixed device still upgraded even user has checked NO in functional keypad locked mode
- Fixed VPK mode and display couldn't be changed by provisioning by DM Server
- Fixed Advice of charge not displaying XML during call
- Fixed change SIP static library to shared library
- Fixed There was one-way audio after hold/unhold call when there is incoming call in outgoing call status
- Fixed Device sends SIP requests to OBP port 5060 when configured as a different port
- Fixed Call history displayed abnormal in semi-attended transfer
- Fixed Device still could establish more than 5-way conference in Account mode
- Fixed Web page didn't close Select ringtone window after uploading wrong format file when adding contact or group
- Fixed the automatic redial countdown timer stopped after putting down handset
- Fixed GUI crashed after disabling 'Onhook Dial Barging' then answering call
- Fixed Device worked abnormally if participant ended call when host is in CONF page
- Fixed No Swap softkey when there is incoming call in Account mode call after disabling Incoming call popup
- Fixed After performing remote search, the "dial" softkey cannot dial a number that has both extension and phone number
- Fixed Special characters are not displaying correctly in certain menu entries
- Fixed There was no Split softkey in attended transfer call of pre-conference process

- Fixed There displayed ConfCall softkey in attended transfer process
- There was no ring tone after parking call then picking up
- Fixed The EXT board did not update the modified content after linked with EXT board for some time
- Fixed Account status page does not display actual SIP server registered when secondary SIP server is in use
- Fixed Web page doesn't close Select ringtone window after uploading wrong format file for contact or group
- Fixed Factory reset message not clearly displayed
- Fixed Softkeys disappeared if entering phonebook then back from conference holding page
- Fixed Phone freeze when hanging calls when updated to 1.0.9.26
- Fixed "User" could modify the value which was only allowed to be changed by "Admin" by sending specific html
- Fixed LDAP port could be saved as 0 in LCD
- Fixed 3CX CTI to dial * asterisk is not working
- Fixed 3CX provision failed for some phone properties
- Fixed phone did not send unregister when factory reset for 3CX
- Fixed Empty Cache and Hard reload will cause empty web page
- Fixed 3CX CTI to dial * asterisk is not working
- Fixed Inaccurate weather description with open weather API
- Fixed 3CX re-provision failed for some phone properties
- Fixed Device freezed after configuring Eventlist BLF URI on 3CX platform then staying in Idle
- Fixed Device couldn't use Target to establish conference or transfer in VPK page
- Fixed NewCall softkey is invalid in HF call of Account Mode
- Fixed Device repeatedly registered after reboot
- Fixed Seize busy shared line will trigger a speed dial to call shared line number
- Fixed Off-hook seizing of busy shared line will send SUBSCRIBE with call info containing wrong appearance
- Fixed User Protection setting is not blocking provisioning
- Fixed Device lock ringer volume also locks the volume of the headset in a call
- Fixed Shared line will send wrong line appearance in SUBSCRIBE when unseizing the line
- Fixed No sound in call
- Fixed Line LED displayed abnormally if disabled "Onhook Dial Barging" then there is incoming call in Account mode
- Fixed Call Completion service worked abnormally in Functional keypad locked mode
- Fixed Keypad unlock popup displayed abnormally if pressed other keys when adjusting volume
- Fixed Transferred call log didn't display manually added contact's names
- Fixed Phone cannot provision certain idle screen softkey
- Fixed There was no Next softkey in Active VPK page if only exists one VPK page
- Fixed Shared line is not following line seize expiration timer
- Fixed GXP2130 Factory reset message not clearly displayed
- Fixed Device still restored Config even without checking Config when Restore Backup Package

- Fixed phone does not update the group of contacts when adding a new contact
- Fixed Shared line related VPK's LED displayed abnormally
- Fixed phone is frozen after multiple automatic answers
- Fixed device worked abnormally if answered paging call in SIP Error page
- Fixed new feature "Enable strong password" didn't work normally
- Fixed Device didn't popup Authentication window when downloading encrypted config files
- Fixed Device crashed after answering the queue call
- Fixed USB storage driver couldn't be detected if it boots up along with phone
- Fixed Device auto dials in onhook dialing page after checking predictive dial entry even live dialpad is disabled
- Fixed Device GUI crashed when using the last line
- Fixed LCD didn't pop up "Allow remote control?" if executing API commands in keypad unlock status
- Fixed No sound after establishing long time call then hold/unhold call
- Fixed There was no Close or Cancel button on web option Restore From Backup package
- Updated GXP Certificates
- Removed Currency page on LCD
- Fixed Device refreshed register after modifying any options on web pages except options on Account page
- Fixed Device was undiscoverable under GS Affinity
- Fixed Syslog custom port had no range limit
- Set Config upgrade via HTTPS & Firmware upgrade via HTTP as Default value

NEW FEATURES OVERVIEW

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

RADOMIZED AUTOMATIC UPGRADE

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Upgrade and Provisioning → Randomized Automatic Upgrade.

Radomized Automatic Upgrade   ⦿ No ◯ Yes

Hour of the Day(0-23)   Start [1 ▾] End [0 ▾]

Day of the Week (0-6)   [1]

- **Functionality**

Now users can setup randomized upgrade with day of the week and hour of the day.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8458	<New Pvalue> Randomized Automatic Upgrade	Value = 0; No Value = 1; Yes	No
P285	<New Pvalue> Hour of the Day Start	0-23	1
P8459	<New Pvalue> Hour of the Day End	-1; 0-23	0
P286	<New Pvalue> Day of the Week	0-6	1

ACCOUNT DISPLAY

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → General Settings → Account Display.

- **Functionality**

Now the users can decide whether they want to display User Name or User ID on their LCD.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P2380	<New Pvalue> Account Display	Value = 0; User Name Value = 1; User ID	User Name

CONFIRMATION FOR FACTORY RESET

- **Functionality**

When users try to factory reset from keypad while booting, the phone will prompt confirmation information to make sure the action. This will avoid people from accidentally reset your phone.

uaCSTA SUPPORT FOR 3CX

- **Web Configuration**

This option can be found under device web UI→ Network → Remote Control → CSTA Control.

- **Functionality**

Now the users can use 3CX server with the CSTA enabled and have the following functions supported:
→ Support for CSTA session establish through SIP INVITE
→ Support for CSTA MonitorStart request through SIP INFO
→ Support for CSTA MakeCall request through SIP INFO
→ Support for CSTA AnswerCall request through SIP INFO
→ Support to send CSTA DeliveredEvent request through SIP INFO

- **New Pvalue**

Pvalue	Description	Value Range	Default
P32053	<New Pvalue> CSTA Control	Value = 0; Disabled Value = 1; Enabled	Disable

SNMP SUPPORT

- **Web Configuration**

This option can be found under device 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

- **Functionality**

Now the device support SNMP (Simple Network Management Protocol) and users can modify the trap information by themselves.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P21896	<New Pvalue> Enable SNMP	Value = 0; No Value = 1; Yes	No
P21900	<New Pvalue> SNMP Trap Community	String	N/A
P21897	<New Pvalue> SNMP Trap IP	String	N/A
P21898	<New Pvalue> SNMP Trap Port	1025-65535, 162	162
P21899	<New Pvalue> SNMP Trap Version	Value = 0; Version 1 Value = 1; Version 2	Version 2
P21901	<New Pvalue> SNMP Trap Interval	1-1440	5

AUTOMATICALLY LOG IN FROM 3CX SERVER INTERFACE

- **Functionality**

Now users can log on to the phone's web UI from 3CX server by pressing the Phone UI with the correct provision and correct template.

WEB SESSION TIMEOUT

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security Settings → Security → Web Session Timeout.

Web Session Timeout   10

- **Functionality**

Now users can set the session timeout time. This will give users more flexibility on how long they want to stay on their web UI without trying to log in again.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P28116	<New Pvalue> Web Session Timeout	2-60	10

WEB ACCESS ATTEMPT LIMIT

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security Settings → Security → Web Access Attempt Limit.

Web Access Attempt Limit   5

- **Functionality**

Now users can set the session timeout time. This will give users more flexibility on how long they want to stay on their web UI without trying to log in again.

- **New Pvalue**

Pvalue	Description	Value Range	Default

P28117	<New Pvalue> Web Access Attempt Limit	1-10	5

FORCE TO DOWNLOAD ALL CONFIG FILES

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Upgrade and Provisioning → Download and Process ALL Available Config Files

- **Functionality**

Now users are able to download all the config files if there exist multiple config files on the server. The phone will download in the order of cfg[MAC].bin file > cfg[MAC].xml file > cfg[MODEL](gxp21XX).xml file > cfg.xml file, which the file that downloads after will override the previous one.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8467	<New Pvalue> Download and Process ALL Available Config Files	Value = 0; No Value = 1; Yes	No

TEST PASSWORD STRENGTH

- **Web Configuration**

This option can be found under device web UI→ Settings → General Settings → Test Password Strength.

- **Functionality**

When choose Yes, users are able to set their password contains at least 3 out of these four categories:

1. Numerics (0-9)
2. Capital Letters (A-Z)
3. Lower Case Letters (a-z)
4. Special symbols: Eg: !, @, #, $, %, ^, &,*, (,), etc.

Also that the minimum characters should not be lesser than 9. This allows more security for the user/admin.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8468	<New Pvalue> Test Password Strength	Value = 0; No Value = 1; Yes	No

USER WEB ACCESS

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security Settings → Security → Enable User Web Access.

Enable User Web Access ○ Disabled ● Enabled

- **Functionality**

When this option is disabled, the user account will no longer be able to log on to web GUI. This allow admin to be fully control for the phone.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8469	<New Pvalue> Enable User Web Access	Value = 0; Disabled Value = 1; Enabled	Enabled

CHANGE PRIORITY OF EXISTING DIAL PLAN PATTERN

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → Dialplan.

Dialplan

Add	Save	Reset			
Name		**Rule**	**Type**		
Empty Name		x+	Pattern	✖ ⬆ ⬇	
Empty Name		\+x+	Pattern	✖ ⬆ ⬇	
Empty Name		*x+	Pattern	✖ ⬆ ⬇	
Empty Name		*xx*x+	Pattern	✖ ⬆ ⬇	

- **Functionality**

From the figure above, blue square indicates to increase/decrease of the priority. Changing priority from Accounts → Account # → Call Settings → Dial Plan will also works the same.
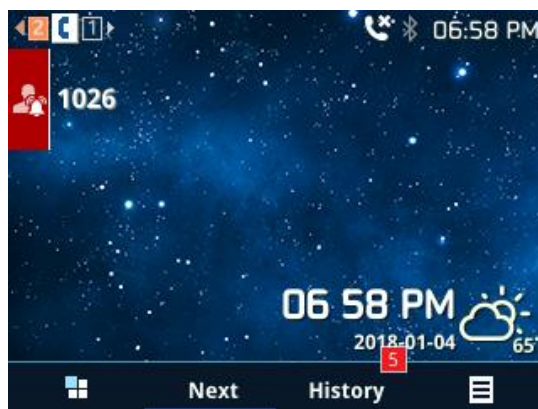
ACTIVE VPK PAGE

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features → Enable Active VPK Page.

Enable Active VPK Page   ● No ○ Yes

- **Functionality**

If active VPK page is enabled, when monitored BLF number is called, the screen will generate the VPK Page that shows which VPK key(s) is(are) active as below, where you can see the page number is a handset icon, which indicate that this page is an active VPK page. The original VPK pages are still navigable by pressing Next softkey.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P22134	<New Pvalue> Enable Active VPK Page	Value = 0; No Value = 1; Yes	No

SUPPORT TO ALLOW LCD BACKLIGHT ALWAYS ON

- **Web Configuration**

This option can be found under device web UI→ Settings → Preferences → LCD Display → Active Back Light Timeout

Active Backlight Timeout   0

- **Functionality**

When Active Backlight Timeout is set to 0, the backlight will be constantly on.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8356	Active Backlight Timeout	0(Always on), 1-90 (mins)	1

PUBLIC MODE USERNAME PREFIX/SUFFIX

- **Web Configuration**

This option can be found under device web UI→ Settings → General Settings → Public Mode Username Prefix/Suffix

Public Mode Username Prefix

Public Mode Username Suffix

- **Functionality**

Now users can add prefix and suffix to their login information for public mode.

```
∨ Message Header
  > Via: SIP/2.0/UDP 172.18.32.222:41632;branch=z9hG4bK708755193;rport
  > From: <sip:Grandstream-1034-Test@172.18.25.146>;tag=678002875
  > To: <sip:Grandstream-1034-Test@172.18.25.146>
    Call-ID: 712074891-41632-1@BHC.BI.DC.CCC
  > CSeq: 2000 REGISTER
```

As the figure showed, "Grandstream-" is the prefix, "-Test" is the suffix and "1034" is the account number.
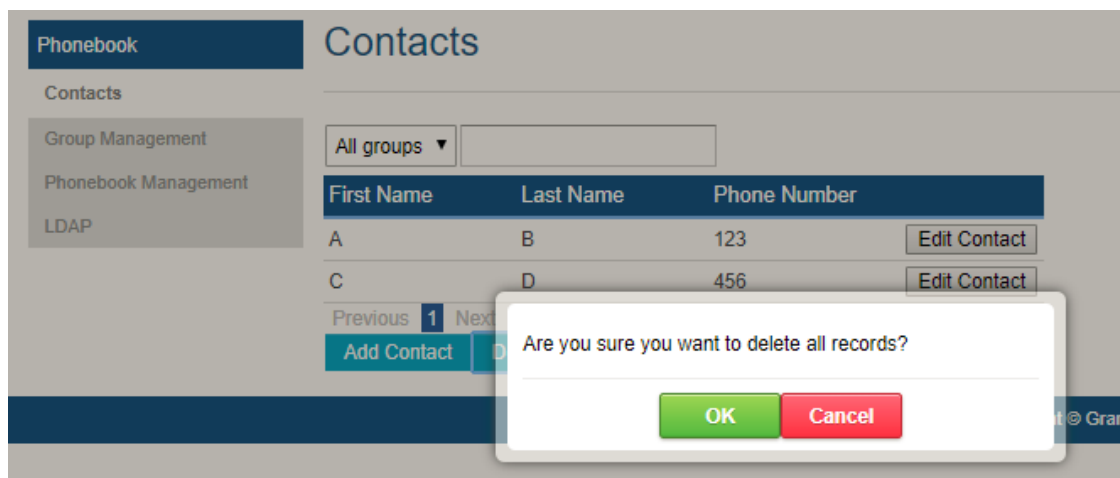
- **New Pvalue**

Pvalue	Description	Value Range	Default
P8470	<New Pvalue> Public Mode Username Prefix	String	N/A
P8471	<New Pvalue> Public Mode Username Suffix	String	N/A

WARNING MESSAGE FOR DELETING CONTACTS

- **Functionality**

Now when user hits on deleting contacts, the web will prompt a warning message to confirm action.

SERVER VALIDATION

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security Settings → Security → Validate Server Certificate

Validate Server Certificates   ⦿ No ○ Yes

- **Functionality**

After enabling this feature, phone will validate the server's certificate. If the server that our phone tries to register on is not on our list, it will not allow server to access the phone.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8463	<New Pvalue> Validate Server Certificates	Value = 0; No Value = 1; Yes	No

### SUPPORT TO GET OPENVPN FILE FROM SERVER

- **Functionality**

With this feature, instead of uploading the whole texts onto cfg.xml file, users can simply put the HTTP/TFTP link of the file in the P value to upload their Certificates information into the phone.

LOGOUT SOFTKEY IN PUBLIC MODE

- **Functionality**

Now users can log out of the public mode account by simply pressing the logout softkey.
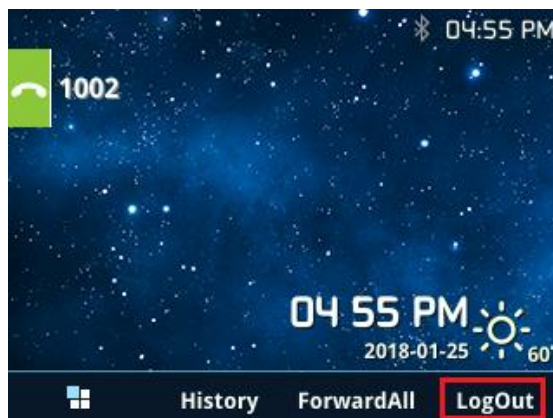
DISABLE DND FEATURE

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features → Enable DND Feature.

- **Functionality**

Now uses can enable/disable DND function. When disabled, DND functions can no longer be activated from the phone.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8446	<New Pvalue> Enable DND Feature	Value = 0; No Value = 1; Yes	Yes

SSH PUBLIC KEY

- **Web Configuration**

This option can be found under device web UI→ Maintenance → Security Settings → Security → SSH Public Key.

SSH Public Key   Upload   Delete

- **Functionality**

Now uses can upload their own public key onto the phone and use the corresponding private key to access SSH without typing in password.

PREDICTIVE DIALING SOURCE

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features → Predictive Dialing Source.

Predictive Dialing Source   Modify   Call History, Local Phonebook, Remote Phonebook, Feature Code

- **Functionality**

Now uses can choose where they want their predictive dial to get its source from. Simply press "Modify" and choose the source you need. Default is set to all areas.
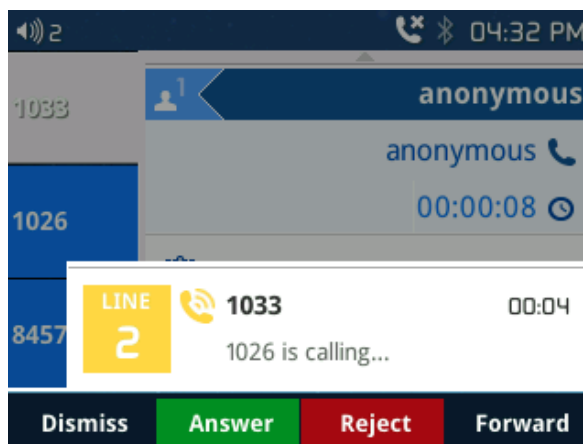
ENABLE INCOMING CALL POPUP

- **Web Configuration**

This option can be found under device web UI→ Settings → Call Features → Enable Incoming Call Popup.

Enable Incoming Call Popup   ○ No ● Yes

- **Functionality**

Originally, when there is an incoming call during an ongoing call, there will be a popup window:

Now when this feature is disabled, the popup window will no longer show up.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8401	<New Pvalue> Enable Incoming Call Popup	Value = 0; No Value = 1; Yes	Yes

USE MAC HEADER

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → SIP Settings → Custom SIP Headers.

<div align="center">Use MAC Header   ● No ○ Yes</div>

- **Functionality**

Now instead of showing in regular MAC field, we have included the MAC address into the User-Agent Field. Eg:

```
X-Grandstream-PBX: true
Max-Forwards: 70
User-Agent: Grandstream GXP2130 1.0.9.60 000b826a56f7
Privacy: none
P-Preferred-Identity: "1016" <sip:1016@172.18.25.146>
P-Access-Network-Info: IEEE-EUI-48;eui-48-addr=00-00-0C-07-AC-02
P-Emergency-Info: IEEE-EUI-48;eui-48-addr=00-0B-82-6A-56-F7
```

- **New Pvalue**

Pvalue	Description	Value Range	Default
P26061	Use MAC Header	Value = 0; User Name Value = 1; User ID	User Name

VPK SHARED LINE DISCRIPTION

- **Functionality**

If the VPK Description is set, it will show the description on the LCD screen. If the Description is left empty, Default value will be Account name.

For example:

VPK1 is left empty:

VPK2 is set to "share 1":

After Save and Apply, the LCD screen will show as below:
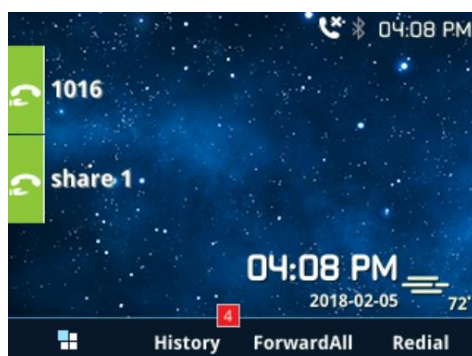
USE SBC WITH 3CX

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → Network Settings → Use SBC.

- **Functionality**

Now if users want to work under SBC associated with 3CX, they should enable this feature to have better communication with the server.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P26090 P26190 P26290 P26390 P26490 P26590	<New Pvalue> Use SBC	Value = 0; No Value = 1; Yes	No

DONOTDISTURBEVENT SUPPORT FOR 3CX

- **Functionality**

Now DND function can be support by 3CX server. It will display on CTI and web client page. When device uses DND mode, it will send SIP NOTIFY contains message as the figure shown below. That will sync with the server and show on CTI and Web Client.

```
<?xml version="1.0" encoding="UTF-8"?>\n
<DoNotDisturbEvent xmlns="http://www.ecma-international.org/standards/ecma-323/csta/ed5">\n
\t<monitorCrossRefID>0</monitorCrossRefID>\n
\t<device>\n
\t\t<deviceIdentifier>sip:030@172.18.30.26:5060</deviceIdentifier>\n
\t</device>\n
\t<doNotDisturbOn>true</doNotDisturbOn>\n
</DoNotDisturbEvent>\n
\n
```

USER PROTECTION

- **Web Configuration**

This option can be found under device web UI → Maintenance → Upgrade and Provisioning → User Protection.

- **Functionality**

Now users can set protection on their Pvlaues.

➔If "User protection" is OFF, everyone (Provider, user or admin) has access to most of the Pvalues.

➔If "User protection" is ON, only those (normally user or admin) who have privilege can modify the configuration.

Note: If the P values are included with Provider lock, then the User Protection function will not protect those values.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P9996	<New Pvalue> User Protection	Value = 0: Disabled Value = 1: Enable	0

FIRMWARE VERSION 1.0.9.26

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

09/26/2017

IMPORTANT UPGRADING NOTE

BUG FIX

- Fixed Phone cannot dial characters if using Affinity
- Patched Blueborne vulnerability

FIRMWARE VERSION 1.0.9.25

PRODUCT NAME

GXP2130, GXP2135, GXP2140, GXP2160 and GXP2170

DATE

08/30/2017

IMPORTANT UPGRADING NOTE

- **This release restored the Weather service. Part of the change requires users who are using "Self-Defined City Code" to change their setting. The upstream content provider has changed the API to yield a free-style search based on this argument instead of mapping to a specific code being used before. Hence the city being displayed would have been incorrect. These users should change this option to the name of the city, for instance：**
  "Dallas"; "Dallas, NC"; "Dallas, Scotland"; "Liverpool"; "Liverpool, NY"; "Liverpool, England".
  Note: If you enter only the name of the city it's going to go the best match. In the case of Dallas it would be Dallas, TX; and in the case of the Liverpool it would be Liverpool, England.
  This release adds Predictive Dialing feature which included a required internal change. If you downgrade from 1.0.9.25 to 1.0.7.25 you will lose the call history.
- **Firmware 1.0.9.25 and higher versions support new hardware revision on GXP2130. For GXP2130 with new hardware version 2.5A and 2.6A, it cannot downgrade to firmware version lower than 1.0.7.25.**

ENHANCEMENT

- Added support for "Off-Hook Auto Dial Delay" [OFF-HOOK AUTO DIAL DELAY]
- Added keypad support for factory reset [FACTORY RESET VIA KEYPAD]
- Added "Call Completion" feature [CALL COMPLETION SERVICE]
- Added support to enable keypad lock with MPK/VPK/Softkey by one press [KEYPAD LOCK]
- Added account swapping feature [ACCOUNT SWAPPING]
- Added dialplan new web UI interface [DIALPLAN INTERFACE]
- Added MPK mode for multicast listening list [MULTICAST LISTENING ADDRESS LIST]
- Added new MPK mode: forward, DND, redial, SMS, paging [NEW MPK MODE FOR FORWARD, DND, REDIAL, SMS AND PAGING]
- Added shortcut HOLD+UP to factory functions page [SHORTCUT (HOLD+UP) TO FACTORY FUNCTIONS SETTING]
- Added "Transfer Mode via VPK" feature [TRANSFER MODE VIA VPK]
- Added action URI feature [ACTION URI SUPPORT]
- Added support for Cisco Discovery Protocol (CDP) [SUPPORT FOR CISCO DISCOVERY PROTOCOL (CDP)]

- Added support of wav playback feature and custom ringtone for individual Contact [CUSTOM RINGTONE FOR INDIVIDUAL CONTACT]
- Added LCD menu for weather configuration [WEATHER CONFIGURATION FROM LCD MENU]
- Added support to export/import user configuration [SUPPORT TO DOWNLOAD USER CONFIGURATION]
- Added search bar feature to search with alphabet characters, lookup first/last name and UserID fields [SEARCH BAR SUPPORT]
- Added "Virtual Voice mail" feature [VIRTUAL VOICE MAIL]
- Added UCM Call Center Feature [UCM CALL CENTER FEATURE]
- Added support to show status of user space [USER SPACE STATUS]
- Added support for error message popup [ERROR MESSAGE SUPPORT ON LCD SCREEN]
- Added support for date and time display on screensaver [DATE AND TIME DISPLAY ON SCREENSAVER]
- Added support for default ringtone [DEFAULT RINGTONE]
- Added ability to display original caller's ID for BLF call pick up calls. If user performs a BLF pickup, the phone will display the original caller's call ID instead of the extension's call ID.
- Added "NewCall" softkey when on hold in Account Mode so that users do not need go back to the call to access NewCall softkey.

BUG FIX

- Fixed "Disable DHCP Option 43 and Option 66 to Override Server" doesn't work
- Fixed There is no sound in the call after changing iLBC payload type
- Fixed VPK cannot be provisioned successfully if configuration file has P values requiring reboot
- Fixed Conference participants hear noise after conference host hangs up when SRTP is used
- Fixed Eventlist BLF is not auto provisioned on LCD after disconnecting EXT board
- Fixed BLF stops working after a period of time
- Fixed Broadsoft XSI directories do not send request with authentication after receiving 401 message
- Fixed ReConf Softkey disappears when pressing Up/Down key on call interface under account mode
- Fixed 'Hide Dialing Password' doesn't work after holding/resuming call
- Fixed Device works abnormally if connecting with Bluetooth headset during ringing status
- Fixed Device doesn't respond when pressing shared line key under account mode
- Fixed Audio mode is incorrect when enabling Live DialPad and connecting Bluetooth
- Fixed Password length of Hide Dialing Password has no value limitation
- Fixed Bluetooth "Toggle" softkey is displayed wrong in on-hook dialing page
- Fixed Syslog messages do not have MAC address and firmware version included
- Fixed Device works abnormally after dialing favorite contacts in Quick IP Call page
- Fixed USB screensaver source works abnormally
- Fixed Device sends duplicate outbound notification and Action URL message
- Fixed LCD displays extra Broadsoft center icon after reboot
- Fixed Device acts abnormally when using Favorite contact to predictive call
- Fixed Device doesn't display far end picture if it's added to local phonebook

- Fixed Call history duration on web displayed abnormally
- Fixed Device line LED works abnormally in account mode
- Fixed Device couldn't access network
- Fixed Firmware upgrade method could be changed when Provider Lock is enabled
- Fixed "Backspace" Softkey in Broadsoft conference "add" page doesn't work
- Fixed Device works abnormally if holding/resuming call after dismissing incoming call
- Fixed Broadsoft UC-One related issues for IM&P, XSI and Broadsoft Anywere
- Fixed The input box displays abnormally after configuring multiple characters in LDAP Directory
- Fixed Device works abnormally if modifying Menu mode with "Locked" in audio loopback page
- Fixed Device LCD displays abnormally in "More" menu key after entering number in Attended Transfer
- Fixed LCD stays in Cancel ForwardAll page after pressing CancelFwd Softkey
- Fixed Device fails to download language file when options "config via" and "firmware upgrade via" are set to use different protocols
- Fixed Device plays dial tip tone in idle state after CancelFwd
- Fixed The extension board backlight is off after switching Sync Backlight with LCD option
- Fixed Device works abnormally if there is an incoming call in audio loopback mode after setting ForwardAll
- Fixed Accounts' contacts are cleared after selecting "Delete All contacts" in Affinity App
- Fixed LCD warning box displays incompletely when performing record via USB but not connecting to a USB storage device
- Fixed History Softkey and missed call records display abnormally in DND status when disabling the call log
- Fixed Allow Remote Control Popup Window doesn't pop up again after timeout or hiding it
- Fixed Device couldn't obtain network if 802.1p is configured in DHCP VLAN mode
- Fixed On-Hook Dialing window disappears when there is an incoming call
- Fixed Unread missed call log is not synchronized with Affinity app
- Removed default image on the overview call screen
- Split call recording file into 2 channel files
- Fixed Device works abnormally after provisioning a config file in a call
- Fixed Device is switched to speaker and generates noise when using Bluetooth headset and dialing
- Fixed Device with Line Key Sync enabled still handles CallFWD No Answer if there is incoming call from BS Hunt Group
- Fixed No audio upon answering multiple calls issue
- Fixed Device plays ring back tone instead of call waiting tone (CWT)
- Fixed DHCP Option 60 Vendor class identifier is sent incorrectly after factory reset
- Fixed Eventlist BLF only auto provisions first VPK page upon reboot
- Fixed DeleteAll softkey doesn't take effect on BS phonebook list interface
- Fixed Device couldn't get DHCP VLAN network segment IP after bootup
- Fixed "Broadsoft Only" is displayed incompletely on LCD
- Fixed Keypad Lock status on web page is not synchronized with Keypad Lock VPK
- Fixed MPK/VPK configuration and display issue

- Fixed Broadsoft call log details have time information displayed in strange format
- Fixed There is no sound in G.722 call using handset after enabling Ring For Call Waiting
- Fixed Device fails to download phonebook after setting server path to a domain name address
- Fixed GXP2130v1 doesn't answer multicast
- Fixed <PhotoUrl> tag is not working in the XML phonebook file
- Fixed Pressing Bluetooth headset key couldn't end current call when there is an incoming call
- Fixed Audio works abnormally after pressing BTOFF/BTON Softkey when there is an incoming call
- Fixed No audio for incoming multicast paging with codecs other than PCMU
- Fixed Multicast paging call displays PCMU codec even if using a different codec
- Fixed Device works abnormally after logging in with the Public Mode
- Fixed DHCP inform doesn't include vendor class identifier
- Fixed Call history info is displayed wrong after call is being transferred
- Fixed Device works abnormally after answering call before performing re-register
- Fixed Discrepancies issue with Multicast Codec Defined at the Sender Side
- Fixed Device fails to send call after two minutes of idle time when device is connected to a Bluetooth Headset
- Fixed Device doesn't parse and process presence status in UCM presence NOTIFY
- Fixed Password is displayed abnormally on External Service page
- Fixed Broadsoft Phonebook only shows 50 contacts
- Fixed No key Entry Timeout doesn't keep default value after factory reset
- Fixed Device freeze issue in certain scenarios
- Fixed Softkeys doesn't work after rejecting one of multiple incoming calls
- Fixed Domain name with underscore couldn't be saved
- Fixed Predictive dialing is not working when local phonebook contains German characters such as "Ã¤" or "Ã‚" or "Ãﾟ"
- Fixed One-way audio issue when resuming a call on hold
- Fixed User is logged out after entering into Bluetooth settings in public mode
- Fixed Device does not support some API operation
- Fixed Device LCD displays missed call window after forwarding call manually
- Fixed One-way audio issue when resuming a call on hold
- Fixed Garbled text issue on Phonebook
- Fixed 3CX SRTP audio issue when resuming from hold
- Fixed Phone module crashes after receiving message
- Fixed Hold/resume key issue
- Fixed "Cancel" Softkey is removed from LCD when establishing an attended call transfer
- Fixed PAI doesn't update the number or name if contact is set
- Fixed Contact names are lost after uploading phonebook.xml on web
- Fixed Phone cannot properly upgrade through HTTP
- Fixed Phone automatically dialed out even when Live DialPad is disabled
- Fixed Existing dynamic parameters' names are not case-insensitive for Outbound notification and ActionURL configuration

- Fixed 'Enable DHCP VLAN' feature tip info displayed XXXX
- Fixed Ringing through Speaker to Signal Call Waiting issue
- Fixed SIP performance issue in response to re-invite during call setup
- Fixed Device still can add contacts from web page when it already has 500 entries
- Fixed Device upgrading fails in 802.1x environment
- Fixed Device took wrong subscribe expire after calling UCM conference room constantly
- Fixed Device uses the first offered codec even there is no such codec is configured
- Fixed Incorrect caller ID on redial with multiple accounts in Account Mode
- Fixed Device gets frozen after upgrading firmware from 1.0.4.x firmware to 1.0.9.x firmware
- Fixed Device line LED displayed abnormally if disabling "Onhook Dial Barging" and then a call comes in to Account mode.
- Fixed Some languages are translated abnormally
- Fixed CTI APP display doesn't change according to status if connected with phone using static IP

NEW FEATURES OVERVIEW

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

OFF-HOOK AUTO DIAL DELAY

- **Web Configuration**

This option can be found under device web UI→Settings →Call Features→Off-hook Auto Dial Delay.

| Off-hook Auto Dial Delay | 0 |

- **Functionality**

In the previous firmware, if you dial a number while phone is "on-hook" then "off-hook", the number will be dialed immediately. Now users are able to set Off-hook Auto Dial Delay: when set to any number x from 0 to 10, phone will wait x seconds before it dials out.
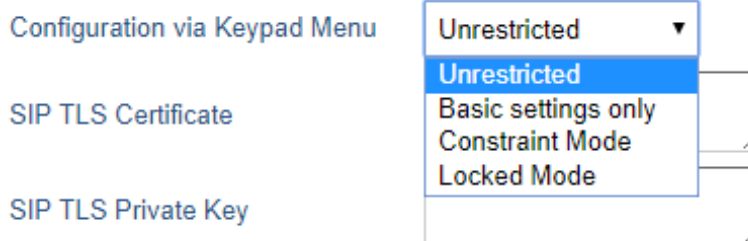
- **New Pvalue**

Pvalue	Description	Value Range	Default
P8388	<New Pvalue> Off-hook Auto Dial Delay	0-10	0

FACTORY RESET VIA KEYPAD

- **Web Configuration**

This option can be found under device web UI→Maintenance → Security→ Configuration via Keypad Menu.

Configuration via Keypad Menu   Unrestricted ▼

Unrestricted
Basic settings only
Constraint Mode
Locked Mode

SIP TLS Certificate

SIP TLS Private Key

- **Functionality**

If we want to allow factory reset from keypad work without restriction, set this option to "Unrestricted". If you want to do Factory reset via keypad, please follow the steps:

1. Power cycle the phone;
2. Wait till you see "booting";
3. When phone is "booting", press KEY 1 + Key 9 immediately and hold it until LCD displays factory reset message;
4. Factory reset is complete.

If other modes are set, password will be requested. If the password input is correct, phone will perform factory reset; if not, the phone will reboot without factory reset. Here are the steps:

1. Power cycle the phone;
2. Wait till you see "booting";
3. When phone is "booting", press KEY 1 + Key 9 immediately and hold it until LCD displays "Password";
4. Enter the correct Password to factory reset (Password for Keypad Lock);
5. Factory reset is complete.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P1357	Configuration via Keypad Menu	Value = 0; Unrestricted Value = 1; Basic settings only Value = 2; Constraint Mode Value = 3; Locked Mode	Unrestricted

CALL COMPLETION SERVICE

- **Web Configuration**

This option can be found under device web UI→Settings →Call Features→Enable Call Completion Service.

Enable Call Completion Service   ● No ○ Yes

- **Functionality**

If user enables automatic redial and call completion service, and makes a call to callee, when the callee is busy at the moment, phone will monitor callee's status. Once the callee is available, phone will ask if user wants to redial again.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8391	<New Pvalue> Enable Call Completion Service	Value = 0; No Value = 1; Yes	No

KEYPAD LOCK VIA MPK/VPK/SOFTKEY

- **Web Configuration**

This option can be found under device web UI→Settings → Programmable Keys → Virtual Multi-Purpose Keys→Edit VPK → Mode → Keypad Lock; or under web UI→Settings → Programmable Keys →Physical Multi-Purpose Keys → Mode → Keypad Lock.

- **Functionality**

Now users are able to perform keypad lock by using MPK/VPK/Softkey other than STAR key.

ACCOUNT SWAPPING

- **Web Configuration**

This option can be found under device web UI→Accounts→Account Swap→Swap Account Settings.

- **Functionality**

This option allows users to swap the two accounts that they have configured. This will increase the flexibility of account management.

DIALPLAN INTERFACE

- **Web Configuration**

This option can be found under device web UI→Accounts→Account #→Dialplan.

Dialplan

Add **Save** **Reset**

Name	Rule	Type	
Empty Name	x+	Pattern	⊗
Empty Name	\+x+	Pattern	⊗
Empty Name	*x+	Pattern	⊗
Empty Name	*xx*x+	Pattern	⊗

- **Functionality**

The new Dial plan web user interface is a simplified way for users to modify/configure their dial plan. Users can still choose to use the old Dial Plan in the call settings, or they can configure their dial plan in this page.

The current interface features:

1. Name: Users can name their dial plans for identification.
2. Rule: The rules can be typed out separately or in combination with "Type"
3. Type: We now support the following types.

   i.   Pattern: The general rule and it will not change the dial plan you configured.

   ii. Block: The rules you set in combination with this type will be blocked.

   iii. Dial Now: The rules you set in combination with this type will be dialed out once the DTMF matches the Dial Plan.

   iv. Prefix: The rules you set in combination with this type will include configured prefix automatically. If Replaced is set, your used prefix will replace the "Replaced" value.

Replaced:
1,2,3,4,5,6,7,8,9,0
Used:
1,2,3,4,5,6,7,8,9,0   Prefix ▼   ⊗
Rule:
1,2,3,4,5,6,7,8,9,0 , *, #, A,a,B,b,C,c,D,d

For example: If Dialed 3456, the DTMF will send 123456. See configuration below.

Replaced:
3
Used:
123   Prefix ▼   ⊗
Rule:
xxx

   v.   Second tone: The rules you set in combination with this type will play second tone if matching the Trigger.

Trigger:
1,2,3,4,5,6,7,8,9,0
Rule:
1,2,3,4,5,6,7,8,9,0 , *, #, A,a,B,b,C,c,D,d

Second tone ▾

4. Automatically update the configured data to the Dial Plan in Call Settings.

5. Dial Plan Verification.

Note:

1. This feature is not supported in any format of config files.

2. This feature does not have order verification for the dial plan; it will not tell you if your dial plan is being blocked by other dial plans.

3. When you input dial plan from Call Settings, it will not automatically choose a type for you. The default type is Pattern.

4. Entering Dial Plan from Call Settings → Dial Plan will cause bypassing the verification.

MULTICAST LISTENING ADDRESS LIST

- **Web Configuration**

This option can be found under device web UI→Settings → Programmable Keys →Physical Multi-Purpose Keys →Mode → Multicast Listen Address.

- **Functionality**

Allow users to access and configure multicast listening address list from LCD.

SEARCH BAR SUPPORT

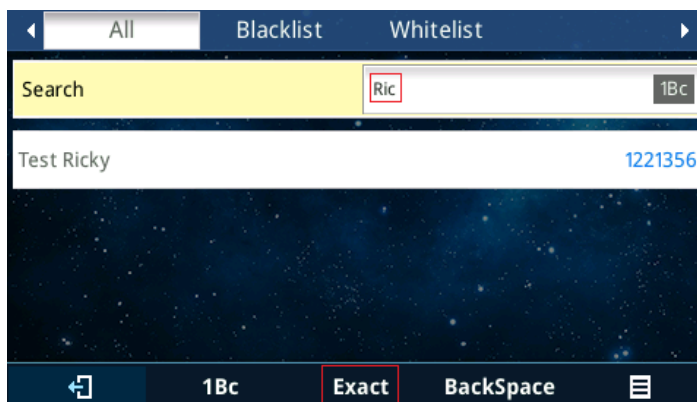- **Functionality**

Now the users can search their contacts using alphabets in the exact mode which allows them to find their contacts even if they forget the numbers. Also, phone supports quick search which uses T9 (Text on 9 keys) implementations. (Eg: "5" key on the keypad stands for J,K,L).
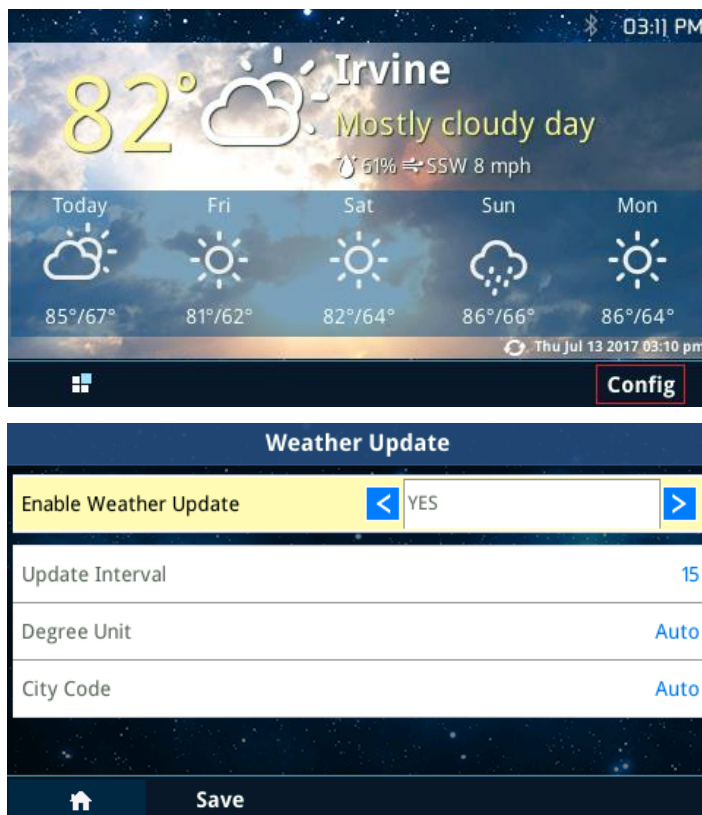
Quick search example:
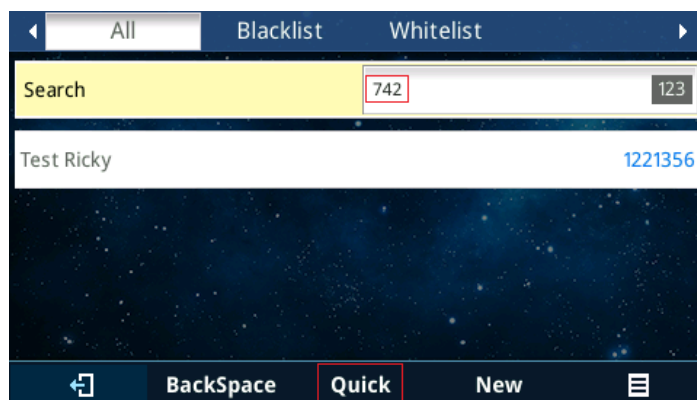
Exact Search example:

WEATHER CONFIGURATION FROM LCD MENU

- **Functionality**

This feature allows users to configure their weather.

NEW MPK MODE FOR FORWARD, DND, REDIAL, SMS AND PAGING

- **Web Configuration**

This option can be found under device web UI → Settings → Programmable Keys → Physical Multi-Purpose Keys Settings → Mode.

- **Functionality**

Allow users to use DND, Redial, Forward with one press on MPK.

SHORTCUT (HOLD+UP) TO FACTORY FUNCTIONS SETTING

- **Functionality**

This improvement allow users to access factory functions setting by simply pressing HOLD and UP keys at the same time. This setting can be also found under LCD Menu → System → Factory Functions.

ACTION URI SUPPORT

- **Web Configuration**

This option can be found under device web UI → Network → Remote Control.

- **Functionality**

This feature allows users to remotely control their device for simple actions such as make call, hold, end call and etc. This is done through either URI command or SIP NOTIFY.
(I.E. http://[IPaddress]/cgi-bin/api-phone_operation?passcode=[PASSWORD]&cmd=acceptcall.
This command is for accepting the incoming call)

- **New Pvalue**

Pvalue	Description	Value Range	Default
P32050	<New Pvalue> Action URI Support	Value = 0; Disabled Value = 1; Enabled	Enabled
P32051	<New Pvalue> Remote Control Pop	Value = 0; Disabled Value = 1; Enabled	Enabled

	up Window Support		
P32052	<New Pvalue> Action URI Allowed IP List	IP Addresses	N/A

TRANSFER MODE VIA VPK

- **Web Configuration**

This option can be found under device web UI→Settings → Call Features → Transfer Mode via VPK.
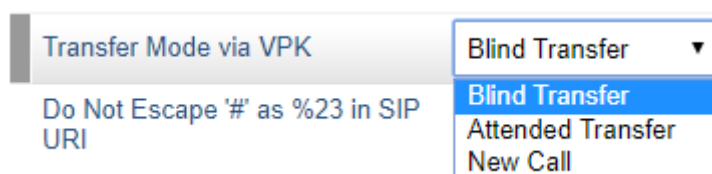
- **Functionality**

This option allows users to configure "Transfer" VPK to do either Blind or Attended Transfer. They can also set their Transfer key to make a new call with the configured number.
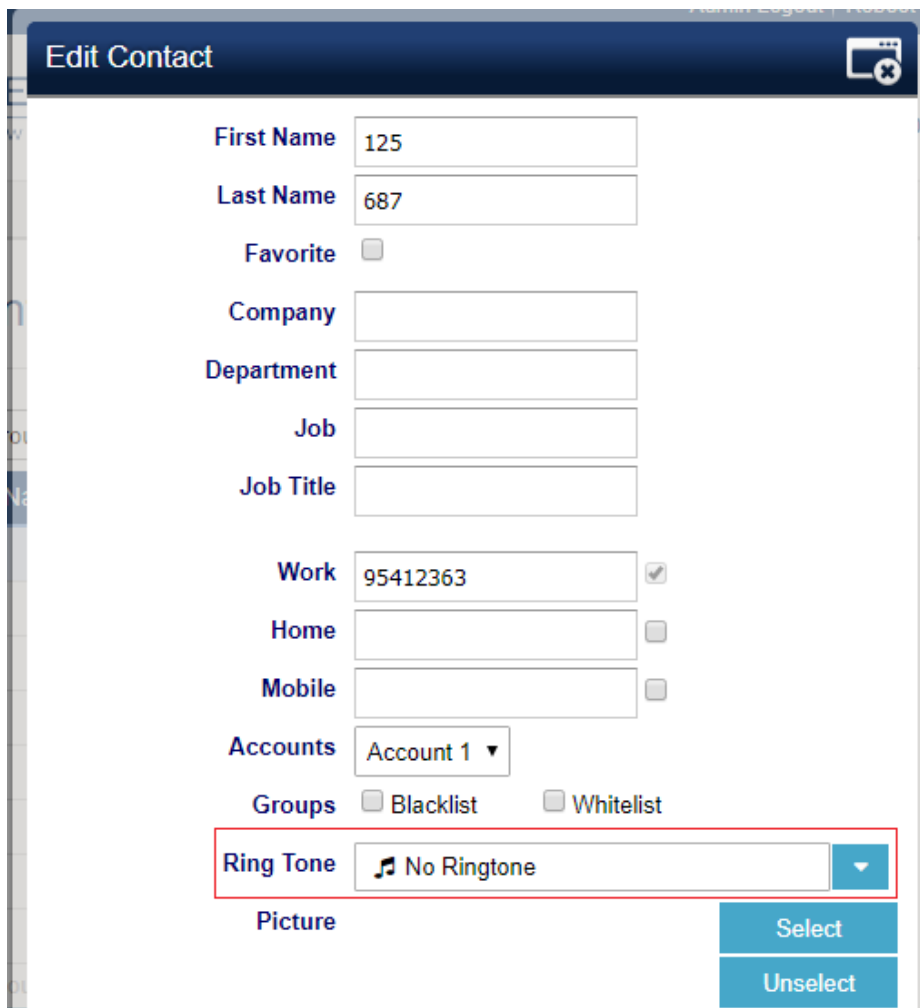
- **New Pvalue**

Pvalue	Description	Value Range	Default
P8390	<New Pvalue> Transfer Mode via VPK	Value = 0; Blind Transfer Value = 1; Attended Transfer Value = 2; New Call	Blind Transfer

CUSTOM RINGTONE FOR INDIVIDUAL CONTACT

- **Web Configuration**

This option can be found under device web UI → Phonebook → Contacts → Edit Contact → Ring Tone.
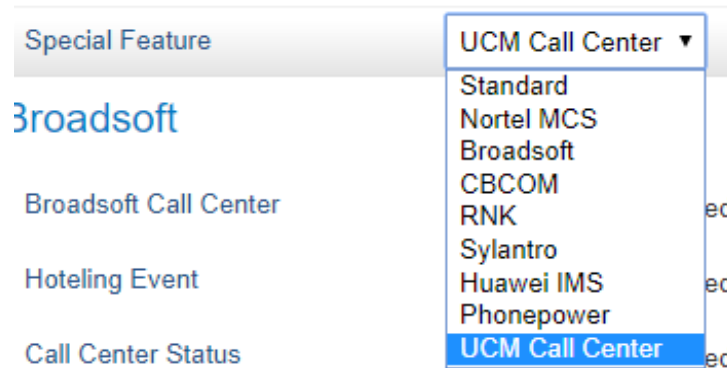
- **Functionality**

This option allows users to set their contacts with individual Ringtone. If not set, phone will use default ringtone.

Note: Currently only .wav file is supported. Users can upload their customized .wav files as custom ringtones. (File size and format are restricted to 500KB or less.)

UCM CALL CENTER FEATURE

- **Web Configuration**

This option can be found under device web UI → Accounts → Account # → Special Feature--UCM Call Center.

- **Functionality**

This feature allows phone to log in/log out UCM call queue from phone side.

Note: This feature requires UCM firmware support which is not publicly released yet. Please check UCM release notes for upcoming release that adds support for this feature.
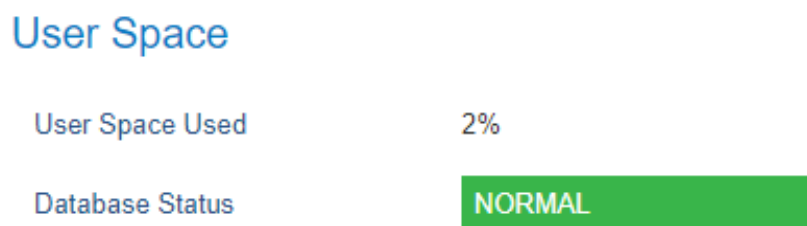
- **New Pvalue**

Pvalue	Description	Value	Default
P424	Special Feature	<New Value> Value = 120; UCM Call Center	Standard

USER SPACE STATUS

- **Web Configuration**

This option can be found under device web UI → Status → System Info.

- **Functionality**

This feature shows how many percentage space has been used.

If the database is in healthy status, a green bar with "NORMAL" will be on the screen.

User Space

If the database is broken, there will be a red bar with "ABNORMAL" warning. Besides, a "recover" key will show below the status bar. Once user clicks the "recover" key, phone will reset database to a new one and reboot.

SUPPORT FOR CISCO DISCOVERY PROTOCOL (CDP)

- **Web Configuration**

This option can be found under device web UI → Network → Advanced Settings → Enabled CDP.

- **Functionality**

Allow user to enable/disable CDP feature which will allow the phone to receive CDP packets from the uplink. When CDP feature is enabled, make sure VLAN is also configured accordingly. It will need reboot to take effect for both enabling and disabling this feature.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P22119	<New Pvalue> Enable CDP	Value = 0; Enabled Value = 1; Disabled	Enabled

SUPPORT TO DOWNLOAD USER CONFIGURATION

- **Web Configuration**

This option can be found under device web UI → Maintenance → Upgrade and Provisioning → Download User Configuration.

User Protection	⦿ Off ○ On
Download User Configuration	Download
Upload Device Configuration	**Upload**

- **Functionality**

This feature "Download User Configuration" allows users to download part of the configuration that does not include any personal settings like Username and Passwords. Also, it will include all the changes manually made by user from web UI, or config file uploaded from "Upload Device Configuration", but not include the changes from the server provision via TFTP/HTTP/HTTPS.

ERROR MESSAGE SUPPORT ON LCD SCREEN

- **Functionality**

When user changes configuration settings on LCD and the configuration cannot be applied for any reason, LCD screen will pop up a window displaying an error message with information explaining why the configuration cannot be saved.

Note: Possible error types could be Security, Privilege, PValue Validation, etc.

VIRTUAL VOICE MAIL

- **Functionality**

With this feature, phone downloads the voicemail into a .wav file and stores it on the phone for the user. Users do not have to dial feature codes and go to the Broadsoft server to listen to their voicemails. Also, users can pause/resume their voicemail message at any time they want.

Note: Currently this feature works with Broadsoft server.

DATE AND TIME DISPLAY ON SCREENSAVER

- **Web Configuration**

This option can be found under device web UI → Settings → Preferences → LCD Display → Show Date and Time.

Show Date and Time	○ No ⦿ Yes

- **Functionality**

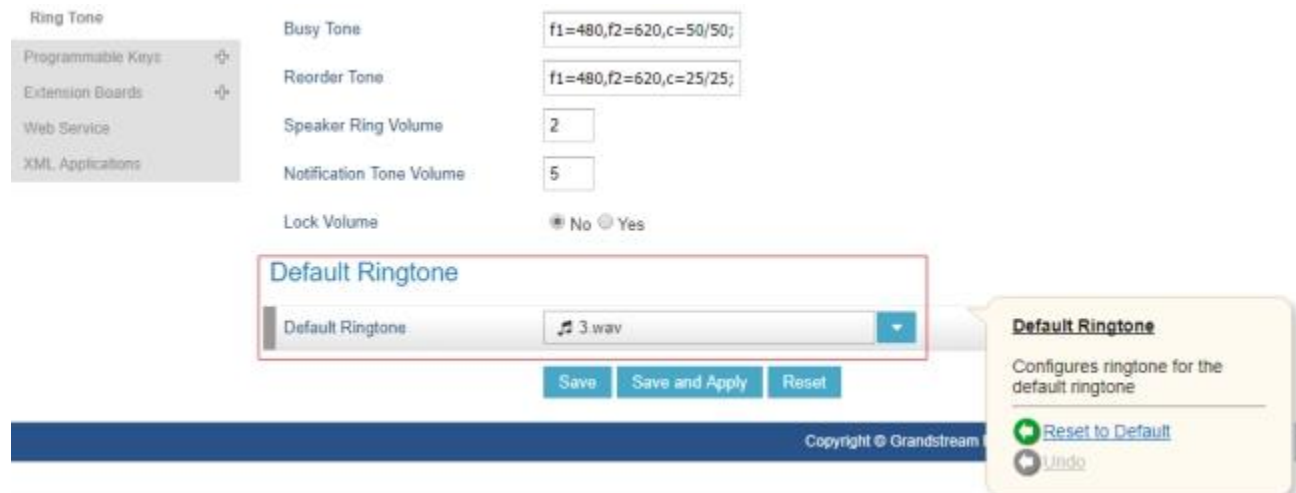This option allows users to see time, dates, and weather on phone's screensaver mode.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P8441	<New Pvalue> Show Date and Time	Value = 0; No Value = 1; Yes	Yes

DEFAULT RINGTONE

- **Web Configuration**

This option can be found under device web UI → Settings → Preferences → Ring Tone → Default Ring Tone。

- **Functionality**

This option allows users to set Default Ring tone as their Global ring tone. Please note the ring tone set in individual accounts have higher priority to this setting. If users want the default ring tone to be used globally, they need to set the ring tone of each account to Default Ring Tone; otherwise, it will be whichever the ring tone you set. The Priority goes as: Contact Ring Tone > Account Ring Tone > Default Ring Tone.

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