GXP1780/1782/1760/1760W Firmware Release Notes

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FIRMWARE VERSION 1.0.1.123

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

07/06/2022

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: c42610e1c873b8014412555b609c78db

IMPORTANT UPGRADING NOTE

- **After upgrading GXP17xx to firmware 1.0.1.118, downgrading to a firmware version lower than 1.0.1.116 is not allowed.**

BUG FIX

- Fixed Phone lost audio after making an attended transfer to a PSTN line
- Fixed Phone cannot download full xml phonebook file
- Fixed Phone froze after making a special transfer

FIRMWARE VERSION 1.0.1.119

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

04/26/2021

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: 032a93ff4f1fab0b75845a866026ca81

IMPORTANT UPGRADING NOTE

- **After upgrading GXP17xx to firmware 1.0.1.118, downgrading to a firmware version lower than 1.0.1.116 is not allowed.**

BUG FIX

- Fixed Phone froze randomly when connected to the Wi-Fi network

FIRMWARE VERSION 1.0.1.118

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

04/13/2021

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: 614557b12b1daad205d3dbbf74ecb1e7

IMPORTANT UPGRADING NOTE

- **After upgrading GXP17xx to firmware 1.0.1.118, downgrading to a firmware version lower than 1.0.1.116 is not allowed.**

BUG FIX

- Fixed Device sometimes can't register via OpenVPN
- Fixed BLFs are not updating sometimes when using certain SIP servers

FIRMWARE VERSION 1.0.1.116

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

03/03/2021

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: 8db384973a8c4384fcf2e4e0f29b084f

IMPORTANT UPGRADING NOTE

- **After upgrading GXP17xx to firmware 1.0.1.116, downgrading to lower firmware version is not allowed.**

ENHANCEMENT

- Added internal fix to improve system stability

BUG FIX

- Fixed Device automatically powers off

FIRMWARE VERSION 1.0.1.106

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

06/02/2020

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: be68d03ef09b03fbff0a25d6db580ebb

ENHANCEMENT

- Added Ability to choose TLS Version for HTTPS provisioning [TLS VERSION SELECTION]
- Added Ability to enable/disable weak ciphers [ENABLE/DISABLE WEAK CIPHERS]
- Added Support of Central Africa Time zone “CAT”

BUG FIX

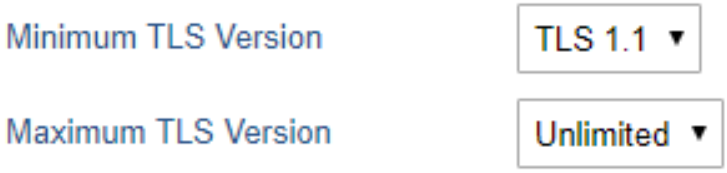
- Fixed BLF indication not working correctly if feature key synchronization is enabled
- Fixed Device freezes when it is connected to the Wi-Fi network
- Update the lighttpd version due to Vulnerabilities CVE-2015-3200

NEW FEATURES OVERVIEW

TLS VERSION SELECTION

- **Web Configuration**

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



- **Functionality**

The function allows users to choose minimum/maximum TLS version for HTTPS provisioning and SIP transport. After change the TLS Version, the phone needs rebooting for taking effect on HTTPS web access. Provisioning and sip transport don't need reboot.

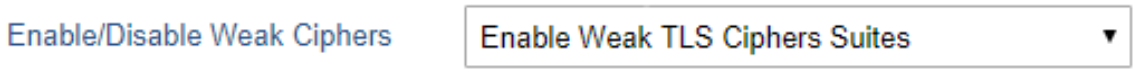
- **Pvalue**

Pvalue	Description	Value Range	Default
P22293	Minimum TLS Version	Value = 10; TLS 1.0 Value = 11; TLS 1.1 Value = 12; TLS 1.2	TLS 1.1
P22294	Maximum TLS Version	Value = 99; Unlimited Value = 10; TLS 1.0 Value = 11; TLS 1.1 Value = 12; TLS 1.2	Unlimited

ENABLE/DISABLE WEAK CIPHERS

- **Web Configuration**

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



- **Functionality**

This feature could force the TLS version/Cipher suites for HTTPS provisioning and the TLS version for sip transport (TLS/TCP) and HTTPS web access.

- **Pvalue**

Pvalue	Description	Value Range	Default
P8536	Enable/Disable Weak Ciphers	Value = 0; Enable Weak TLS Ciphers Suites Value = 1; Disable Symmetric Encryption RC4/DES/3DES Value = 2; Disable Symmetric Encryption SEED Value = 3; Disable All Weak Symmetric Encryption Value = 4; Disable Symmetric Authentication MD5 Value = 5; Disable All Weak TLS Cipher Suites	0

FIRMWARE VERSION 1.0.1.98

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

12/12/2019

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: 13d98e63dfbdf41f624210b61022ad25

ENHANCEMENT

- Added Callee ID display [CALLEE ID DISPLAY]
- Added Ability to scroll long names in all fields [SCROLL LONG NAMES]
- Added Ability to specify which certificate to trust [LOAD CA CERTIFICATES]
- Added Support of more custom ringtones [MORE RINGTONES]
- Added Support of Pound(#) key acting as redial [POUND FOR REDIAL]
- Added Support to upload SIP TLS Private Key from web UI [SIP TLS CERTIFICATE/PRIVATE KEY]
- Added Support to flash MWI LED for missed call notification [MISSED CALL MWI LED]
- Added Support of locked mode for configuration via keypad [LOCKED MODE FOR CONFIGURATION VIA KEYPAD]
- Added Ability to display Diversion info [DIVERSION INFO DISPALY]
- Increased the size of display name on LCD [USE LONG LABEL]
- Added Support of Auth Header on Initial REGISTER [ADD AUTH HEADER ON INITIAL REGISTER]
- Added Support to hide VPK information when dialing [SHOW KEYS LABEL]
- Added Support to enable or disable Acoustic Echo Cancellation [ENABLE ENHANCED ACOUSTIC ECHO CANCELLER]
- Added Support of “Provision” mode for VPK/Softkey to trigger provisioning [PROVISION VPK/SOFTKEY]
- Added Ability to download certificate files during provisioning [DOWNLOAD CERTIFICATE FILES DURING PROVISION]
- Changed The São Paulo / Brasil time MUST be set to UTC-3
- Added Support for Chile timezone
- Added Support for Ukrainian language

- Added Support to configure two Passwords for the same GDS [OPEN TWO DOORS FOR THE SAME GDS]
- Added Support to allow more special characters to be used in SIP account via keypad [MORE SPECIAL CHARACTERS VIA KEYPAD]
- Added Ability to allow @ character in SIP user ID [SIP USER ID FIELD IMIPROVEMENT]

BUG FIX

- Fixed Device does not pop out Agent Login Window via LCD after changing Ringtone
- Fixed Phonebook Contacts do not load when Public Mode is configured
- Fixed Device works abnormally after losing network connection in Public Mode
- Fixed Device displays feature code instead of CID when doing call pickup
- Fixed Device can't answer calls intermittently
- Fixed Multicast Paging channel issue
- Fixed Device fails to complete RFC7088 MOH
- Fixed Azores Timezone does not show the correct time when selected
- Fixed Device replies with 200 OK "sendrecv" upon receiving INVITE "sendonly" for SIP/TLS, or SIP/UDP with Broadsoft
- Fixed Device does not display lock sign when the call is established using both SRTP and TLS
- Fixed call is established without audio randomly
- Fixed Config.txt downloaded from Device's web UI is empty
- Fixed DHCP Options can set any Pvalue
- Fixed Device only displays the first contact's number when the attribute includes multiple numbers
- Fixed calls don't disconnect when using TLS
- Fixed Device keeps sending RTP after cancel call/hang up randomly
- Fixed Multicast is not successful with Polycom phones
- Fixed All options are reset if resetting web page using USER identity
- Fixed Users can perform factory reset even if constraint mode is enabled
- Fixed Device obtains 2 IP addresses in an environment with LLDP enabled
- Fixed Call Transfer and Network Conference is not working correctly by "Bypass Dial plan" configuration
- Fixed Device can't change the ringtone from the keypad menu
- Fixed GXP1760W failed to connect to 802.1x encrypted WiFi
- Fixed Device does not include the unique certificate during MutualTLS authentication
- Fixed Device does not send PRACK in Allow for 200OK response
- Fixed Bypass dial plan is not working properly during API dialing
- Fixed Device freezes after running call cancel performance test
- Fixed comment error for active backlight timeout
- Fixed Device pops up "Loading Configuration" window after agent logins to SIP account
- Removed the Pvalue for the custom CA and trusted CA certification from the downloaded configuration backup

NEW FEATURES OVERVIEW

CALLEE ID DISPLAY

- **Web Configuration**

This option can be found under device web UI→ Accounts → Account # → SIP Settings → Basic Settings → Callee ID Display.

- **Functionality**

Now the users can set callee ID display.

When the option is set to "Auto", the phone will update the callee ID in the order of P-Asserted Identity Header, Remote-Party-ID Header and To Header in the 180 Ringing;

When set to "Disabled", callee id will be displayed as "Unavailable";

When set to "To Header", caller id will not be updated and displayed as To Header.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P26025	Callee ID Display	Value=0; Auto Value=1; Disable Value=2; To Header	Auto

SCROLL LONG NAMES

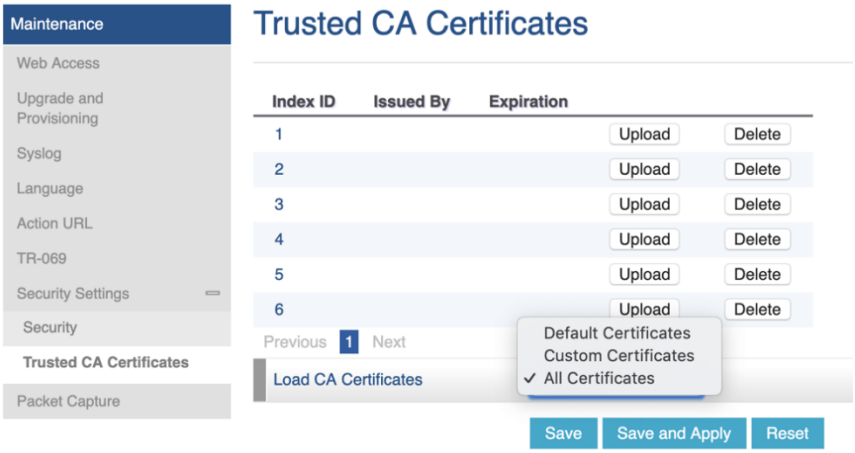
- **Functionality**

Now long names will scroll though LCD to display all the contents instead of cutting off in the middle.

LOAD CA CERTIFICATES

- **Web Configuration**

A new option “Load CA Certificate” can be found under device web UI→ Maintenance → Security Settings → Trusted CA Certificates.



- **Functionality**

Users can specify which CA certificate the phone needs to trust.

- Default Certificates: The phone will verify the server certificate based on the built-in trusted certificates list.
- Custom Certificates: The phone will verify the server certificate based on the custom trusted certificates list.
- All Certificates: The phone will verify the server certificate based on the trusted certificates list including build-in and custom trusted 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	2

MORE RINGTONES

- **Web Configuration**

The related options can be found under device web UI→ Settings → Preferences → Ringtone, and in Account Ringtone settings under web UI→ Accounts → Account x → Call Settings.

- "Default Ringtone" now supports up to 10 custom ringtones;
- Each "Account Ringtone" now also supports up to 10 custom ringtones.

- **Functionality**

The phone now can download up to 10 different custom ringtones.

POUND FOR REDIAL

- **Web Configuration**

A new option "Use Pound (#) For Redial" can be found under device web UI→ Settings → Call Features.

- **Functionality**

When "Use Pound (#) For Redial" is set "No", the pound key # will not act as redial when it's pressed in idle screen.

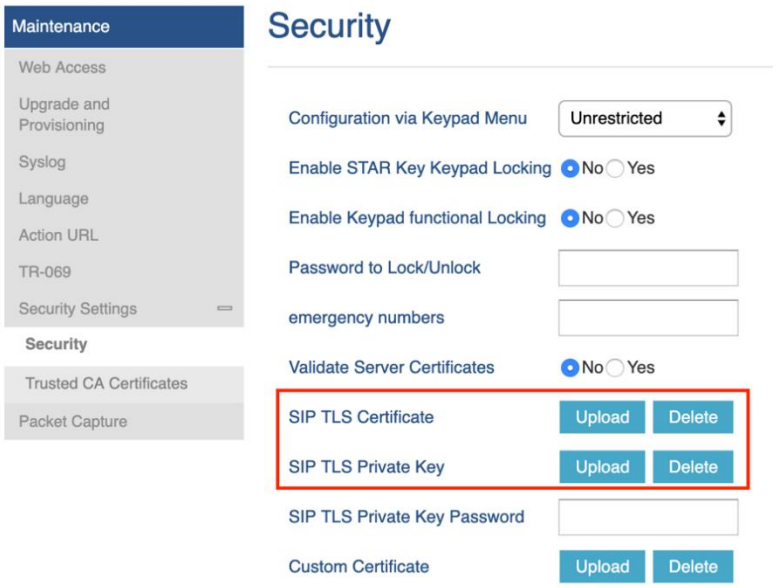
- **Pvalue**

Pvalue	Description	Value Range:	Default
P8504	<New Pvalue> Use Pound (#) For Redial	Value = 0; No Value = 1; Yes	1

SIP TLS CERTIFICATE/PRIVATE KEY

- **Web Configuration**

Under device web UI→ Maintenance → Security Settings → Security, users can use the "Upload" and "Delete" buttons to manage SIP TLS Certificate and SIP TLS Private Key.



- **Functionality**

Instead of manually input Certificate/Private Key, currently users can simply upload provided file. This will reduce the chances of human mistake.

MISSED CALL MWI LED

- **Web Configuration**

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

- **Functionality**

Now users can turn off LCD blacklight when having a missed call and also get missed call notification by flash MWI LED by set this option to "Yes, but flash MWI LED". In this case when missed call exists, MWI will be flashing to notify users.

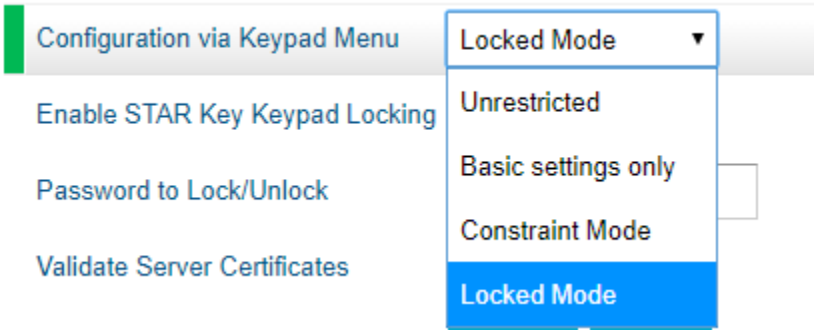
- **Pvalue**

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	0

LOCKED MODE FOR CONFIGURATION VIA KEYPAD

- **Web Configuration**

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



- **Functionality**

Now we added support of locked mode for the option of Configuration via Keypad Menu.
When "Locked Mode" is selected, after locking the phone, Menu option of DUT will be completely disable.

- **Pvalue**

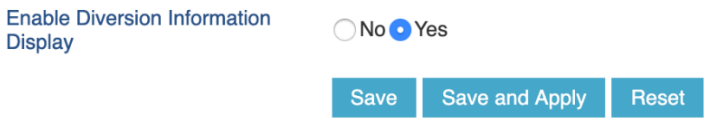
Pvalue	Description	Value Range:	Default
P1357	<New Pvalue> Configuration via Keypad Menu	Value = 0; Unrestricted Value = 1; Basic Settings only Value = 2; Constraint Mode	0

		Value = 3; Locked Mode	

DIVERSION INFO DISPALY

- **Web Configuration**

A new option "Enable Diversion Information Display" can be found under device web UI→ Settings → Call Features.



- **Functionality**

When "Enable Diversion Information Display" is set to "Yes", Diversion info will be displayed if the device receives INVITE with Diversion header.

- **Pvalue**

Pvalue	Description	Value Range	Default
P22237	Enable Diversion Information Display	Value = 0; No Value = 1; Yes	1

USE LONG LABEL

- **Web Configuration**

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

- **Functionality**

Now Device is able to display longer label in idle screen. Phone will support up to 16 characters in the label. If there are 17+ characters, 16th character will be replaced as "…".

- **Pvalue**

Pvalue	Description	Value Range:	Default
P8346	<New Pvalue> Use Long Label	Value = 0; No Value = 1; Yes	0

		Value = 2; Maximum Length	

ADD AUTH HEADER ON INITIAL REGISTER

- **Web Configuration**

This option can be found under device web UI→ Account → Account # → SIP Settings → Basic Settings.

- **Functionality**

When this option is enabled, Device will send Authentication Header on the first Register instead of second Register.

- **Pvalue**

Pvalue	Description	Value Range	Default
P2359	<New Pvalue> Add Auth Header On Initial REGISTER	Value = 0; No Value = 1; Yes	No

SHOW KEYS LABEL

- **Web Configuration**

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

- **Functionality**

Now users can choose to Show/Hide information of VPK when dialing.
If “Hide” is selected, while dialing, VPK will only display “1, 2, 3, 4”.

- **Pvalue**

Pvalue	Description	Value Range:	Default
P8386	<New Pvalue> Show Keys Label	Value = 1; Show Value = 2; Hide	1

ENABLE 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 user is able to choose to enable or disable the echo canceller on the phone in speaker mode.

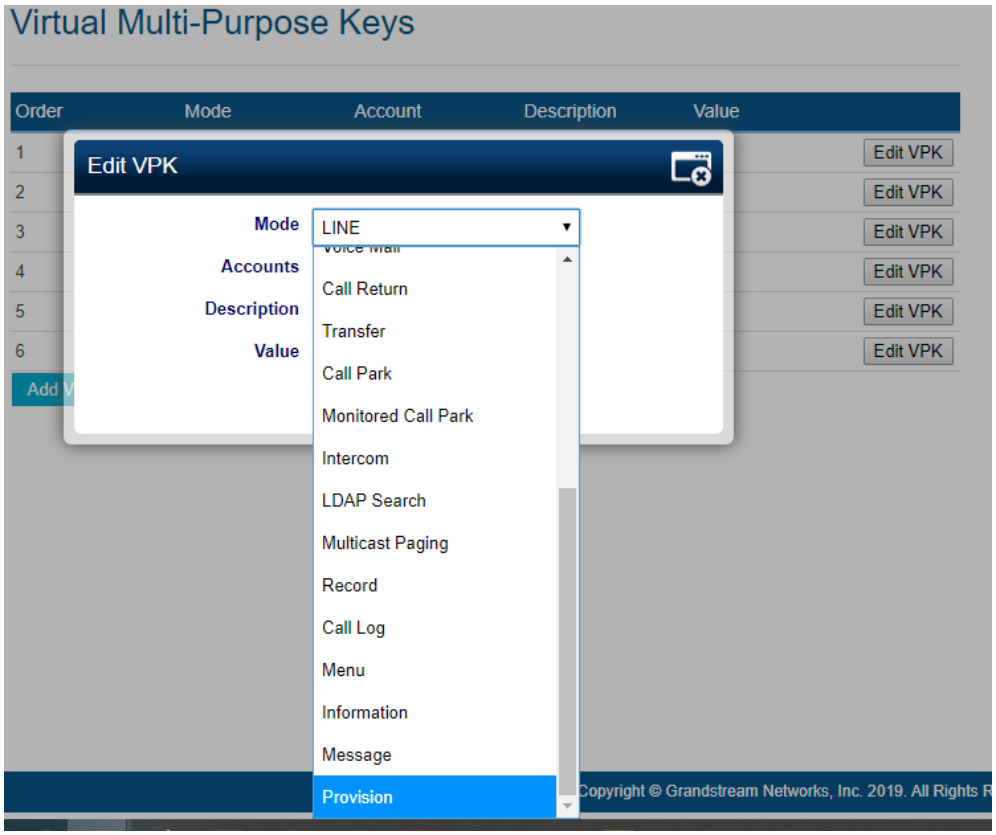
- **Pvalue**

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

PROVISION VPK/SOFTKEY

- **Web Configuration**

This option can be found under device web UI→ Settings → Programmable Keys → Virtual Multi-Purpose Keys/Idle Screen Softkeys.



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- **Functionality**

Now users are able to use VPK/Softkey to trigger provision process.

DOWNLOAD CERTIFICATE FILES DURING PROVISION

- **Functionality**

Now if users enter server URL in the Pvalue listed below, phone will download the certificate file that's on the server and commit into phone.

Those Pvalues are:

279: SIP TLS Certificate
280: SIP TLS Private Key
8433: Trusted CA Certificates 1
8434: Trusted CA Certificates 2
8435: Trusted CA Certificates 3
8436: Trusted CA Certificates 4
8437: Trusted CA Certificates 5
8438: Trusted CA Certificates 6
9902: OpenVPN CA
9903: OpenVPN Certificate

9904: OpenVPN Client key

OPEN TWO DOORS FOR THE SAME GDS

- **Functionality**

Now users can set device to open 2 doors by adding two passwords for the same GDS under web UI—Settings--External Service. After setting up, there would be two softkey OpenDoor1, OpenDoor2 for opening the two different doors.

MORE SPECIAL CHARACTERS VIA KEYPAD

- **Functionality**

Now users are able to input pound and plus sign through keypad in SIP account.

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 1.0.1.89

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

07/09/2019

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: 71c706fa3cc99927dd513e7c6a6e361f

ENHANCEMENT

- Added Support to edit VPKs using device's keypad [EDIT VPKS WITH KEYPAD]

NEW FEATURES OVERVIEW

EDIT VPKS WITH KEYPAD

- **Functionality**

Now users can modify their VPK settings using device's keypad instead of going to web UI. Simply long press desired VPK key for 3 seconds to get into modifying mode. If users want to add a new VPK, simply long press "right" direction key for 3 seconds and phone will add a new VPK.

Note: Starting from second page, phone will choose "FIRST" empty VPK by default even if you are not pressing the corresponding one.

FIRMWARE VERSION 1.0.1.82

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

06/20/2019

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: 3107e6619eb623491e7ec66a5c5dd3b5

ENHANCEMENT

- Added new OUI (C0:74:AD) support and related fixes. (Note: GXP1760W with new MAC address will not be able to downgrade to previous versions).

FIRMWARE VERSION 1.0.1.79

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

03/05/2019

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: f2c99a227a7d2137a193d6876b404912

ENHANCEMENT

- Added Support to prevent users from accessing the network settings (Basic and Advanced) under web GUI using the user credentials
- Improved Device to show CallerID Number/Name when receiving a call meanwhile on an active call
- Improved Device to display VPK labels during different call screens
- Improved Device to prevent users from disabling Web Access when constraint mode is enabled
- Improved Device to prevent users from access the security menu through LCD when constraint mode is enabled
- Added Support to sync phonebook through SIP Notify [SYNC PHONEBOOK BY SIP NOTIFY]
- Added Support to BLF key as forward destination during ringing state [BLF AS FORWARD DESTINATION DURING RINGING STATE]

BUG FIX

- Fixed Device keeps sending Syslog messages even when LEVEL is set to NONE
- Fixed Forwarded Calls are logged as Missed Calls
- Fixed Device obtains 2 IP address issue

NEW FEATURES OVERVIEW

SYNC PHONEBOOK BY SIP NOTIFY

- **Functionality**

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

BLF AS FORWARD DESTINATION DURING RINGING STATE

- **Functionality**

Now users can forward the incoming call with BLF keys (configured as VPK or MPK). Users only need to get the phone to subscribe to a valid BLF and press Forward Key then the BLF key to perform the forward.

FIRMWARE VERSION 1.0.1.74

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

06/28/2018

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: d60ca04898a216f2461733d52a66934a

ENHANCEMENT

- Added Support to auto redial if callee is busy [AUTO REDIAL]
- Added Support to configure VPK/Softkey to launch provisioning process [SUPPORT PROVISION VIA VPK/SOFTKEY]
- Added Headset gain options [HEADSET GAIN]
- Improved to display more Cyrillic characters on local phonebook of phone's LCD screen
- Added Option to choose either to override or accumulate groups when uploading a new XML phonebook [IMPORT GROUP METHOD]
- Added Support to dial an abbreviated number instead of the whole number for BLF call pick-up
- Added Support more characters for password input from LCD [MORE CHARACTERS FOR PASSWORD INPUT FROM LCD]
- Added Support to unmute device manually if it is muted manually
- Added Support to configure device with custom certificate signed by custom CA certificate [CUSTOM CERTIFICATE]
- Added More fields for Distinctive Ring Tone (Matching Rule) [MORE MATCHING RULES SUPPORTED]
- Improved Device to support 802.1x with special symbols such as "-" and "@"

BUG FIX

- Fixed BLF cannot be provisioned successfully with 3CX
- Fixed Daylight-saving time does not work correctly for some time zones
- Fixed Provision for custom client certificate does not work
- Fixed Device does not send subscribe for registration after switching server
- Fixed Audio loss issue in calls when there is jump in RTP timestamp
- Fixed Device freezes after provision and enabling call waiting

NEW FEATURES OVERVIEW

AUTO REDIAL

- **Web Configuration**

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

- **Functionality**

When phone dials a number without answer, if automatic redial is enabled, phone will prompt for redial. The redial attempt will be made at the "Automatic Redial Interval" for the number of times defined in "Automatic Redial Times".

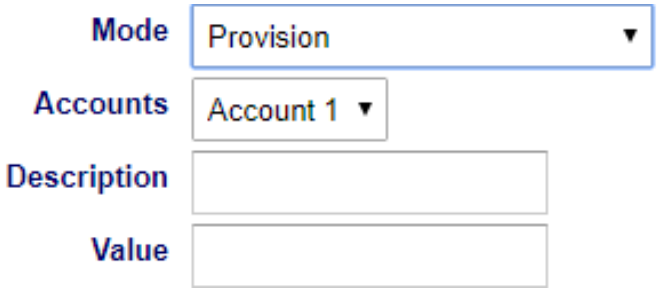
- **New Pvalue**

Pvalue	Description	Value Range	Default
P8353	<New Pvalue> Enable Automatic Redial	Value = 0; No Value = 1; Yes	No
P8354	<New Pvalue> Automatic Redial Times	1-100	10
P8355	<New Pvalue> Automatic Redial Interval	1-360	20

SUPPORT PROVISION VIA VPK/SOFTKEY

- **Web Configuration**

This option can be found under device web UI→ Settings → Programmable Keys → Virtual Multi-Purpose Keys/ Idle Screen Softkeys.



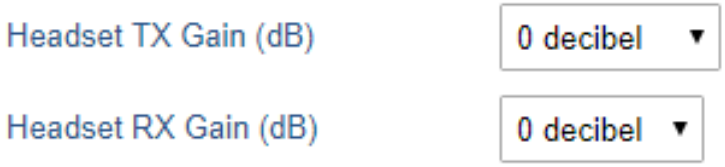
- **Functionality**

Users can manually setup this feature to provision the phone by pressing either VPK keys or softkeys.

HEADSET GAIN

- **Web Configuration**

This option can be found under device web UI→ Settings → Audio Control → Headset TX/RX Gain.



- **Functionality**

Users can set the headset TX/RX gain of +9 and -9 decibel option.

- **New Pvalue**

Pvalue	Description	Value Range	Default
P1301	Headset TX Gain(dB)	Value = 0; 0 decibel Value = 1; -6 decibel Value = 2; 6 decibel Value = 3; -9 decibel Value = 4; 9 decibel Value = 5; -12 decibel Value = 6; -15 decibel	0 decibel
P1302	Headset RX Gain(dB)	Value = 0; 0 decibel Value = 1; -6 decibel Value = 2; 6 decibel Value = 3; -9 decibel Value = 4; 9 decibel	0 decibel

IMPORT GROUP METHOD

- **Web Configuration**

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

- **Functionality**

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

- **New Pvalue**

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

MORE CHARACTERS FOR PASSWORD INPUT FROM LCD

- **Functionality**

Now users can enter more characters from the LCD screen including “<, >, ?, {, }, [,], ^”. These characters can be input by using number key 1.

CUSTOM CERTIFICATE

- **Web Configuration**

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

- **Functionality**

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

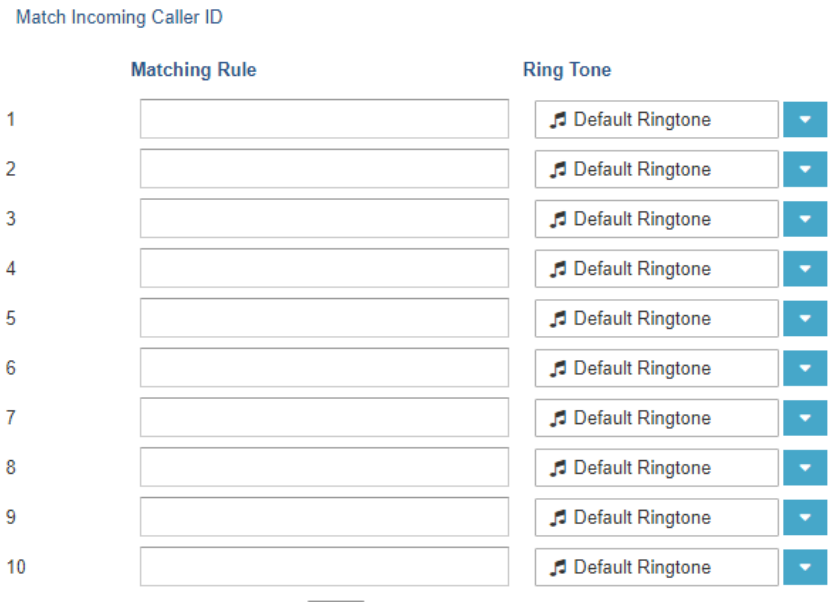
- **New Pvalue**

Pvalue	Description	Value Range	Default
P8472	<New Pvalue> Custom Certificate	String	N/A

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 1-4: P6716 P6722 P6728 P6734	<New Pvalue> Match Incoming Caller ID 4	String	N/A
Account 1-4: P6718 P6724 P6730 P6736	<New Pvalue> Match Incoming Caller ID 5	String	N/A
Account 1-4: P6720 P6726 P6732 P6738	<New Pvalue> Match Incoming Caller ID 6	String	N/A
Account 1-4:	<New Pvalue>	String	N/A

P26064 P26164 P26264 P26364	Match Incoming Caller ID 7		
Account 1-4: P26066 P26166 P26266 P26366	<New Pvalue> Match Incoming Caller ID 8	String	N/A
Account 1-4: P26068 P26168 P26268 P26368	<New Pvalue> Match Incoming Caller ID 9	String	N/A
Account 1-4: P26096 P26196 P26296 P26396	<New Pvalue> Match Incoming Caller ID 10	String	N/A

Pvalue	Description	Value Range	Default
Account 1-4: P6717 P6723 P6729 P6735	<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 1-4: P6719 P6725 P6731 P6737	<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 1-4: P6721 P6727 P6733 P6739	<New Pvalue> Match Rule 6 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 1-4: P26065 P26165 P26265 P26365	<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 1-4: P26067 P26167 P26267 P26367	<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 1-4: P26069 P26169 P26269 P26369	<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 1-4: P26097 P26197 P26297 P26397	<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

FIRMWARE VERSION 1.0.1.64

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

03/23/2018

FIRMWARE FILE INFORMATION

- Firmware file name: gxp1700fw.bin

  MD5: 549ece9ace795aa82fae49e6bf50fc80

ENHANCEMENT

- Added Let's Encrypt validation for 3CX [VALIDATE SERVER CERTIFICATES]
- Added Let's Encrypt Root CA to Trusted CA
- Added SIP support for 3CX hot desking feature [SIP SUPPORT FOR 3CX HOT DESKING FEATURE]
- Added Host name of the phone on the DHCP INFORM using DHCP option 12
- Added automatically log in web UI from 3CX server interface [AUTO LOG IN WEB UI]
- Added uaCSTA support [uaCSTA CONTROL FOR 3CX]
- Added Use SBC configuration for 3CX [USE SBC WITH 3CX]
- Added Option to enable/disable Voicemail notification LED [VOICEMAIL NOTIFICATION LED]
- Added LCD screen backlight timeout feature [LCD SCREEN BACKLIGHT TIMEOUT]
- Added Support of HTTP and HTTPS web interface at the same time [BOTH HTTP AND HTTPS WEB INTERFACE]
- Added "Account display" under account general settings [ACCOUNT DISPLAY]
- Added Send SIP unregister for all accounts when factory reset the phone
- Added Transfer mode via VPK feature [TRANSFER MODE VIA VPK]
- Added Random firmware/config download time feature [RANDOMIZED AUTOMATIC UPGRADE]
- Added Allow BLF and speed dial VPK mode to perform transfer function during active call [ENABLE TRANSFER VIA NON-TRANSFER MPK]
- Added Set Config upgrade via HTTPS & Firmware upgrade via HTTP as default values
- Added Force admin to change default password upon initial login [PASSWORD CHANGE PROMPT]
- Added Enable strong password for admin/user password [TEST PASSWORD STRENGTH]
- Added Ring for call waiting feature [RING FOR CALL WAITING]
- Added MAC header support in SIP header [MAC HEADER SUPPORT IN SIP HEADER]

- Enhanced syslog to run on other ports instead of default port [SYSLOG ENHANCEMENT]
- 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]
- Added DoNotDisturbEvent support for 3CX [DONOTDISTURBEVENT SUPPORT FOR 3CX]
- Added Support for TLS version 1, 1.1, and 1.2 for SIP
- Add HTTP/HTTPS Username/Password fields for firmware and provisioning paths in LCD menu [USERNAME/PASSWORD FIELDS ADDED IN LCD MENU]
- Added Dial plan flag T support [DIAL PLAN FLAG T SUPPORT]
- Add Country code modification [COUNTRY CODE MODIFICATION]

BUG FIX

- Fixed Outbound Notification feature requires reboot to take effect
- Fixed Dial plan prefix didn't apply to Click-To-Dial
- Fixed Missing P-value validation range for softkey mode "call log", "message" and "information"
- Fixed User Upload Trusted CA not working
- Fixed CTI to dial * asterisk is not working
- Fixed Validate Certificate Chain option is invalid
- Fixed Phone crashed after modified the CTI account then reentered the Public mode
- Fixed There was an extra WiFi channel 144 when country code was BR
- Fixed The phone did not go back to Idle page directly after pressed the Speaker key in transfer page
- Fixed The Call Return VPK didn’t work correctly if press line key and enter DTMF
- Fixed Phone module crashed when call return after dialing failed
- Fixed Softkeys displayed wrong when having incoming call in adjust volume page
- Fixed The phone couldn’t upgrade after input correct user name and password in the popped authentication windows in LCD
- Fixed The phone crashed after answering the queue call
- Fixed The phone couldn't upgrade after input correct user name and password in the popped authentication windows in LCD
- Fixed Cannot answer incoming call via CTI acceptcall command
- Updated Grandstream product certificate
- Fixed The GUI crashed after configured 128 lengths digitals in WiFi name and password
- Remove MAC address in the "User-Agent" header of the SIP Register messages for 3CX
- Fixed Phone keeps restart all the time with 3CX
- Fixed Phone leaves the stuck call in call park scenario with 3CX
- Fixed Phone does not send DND status back to PBX after 200OK for 3CX
- Fixed Phone takes too long to do failover from primary SIP server to secondary SIP server when SIP/TCP is set on the phone
- Fixed First P Value merges with the second comment in config.txt file
- Fixed Contacts are cleared after uploading wrong format phonebook.xml

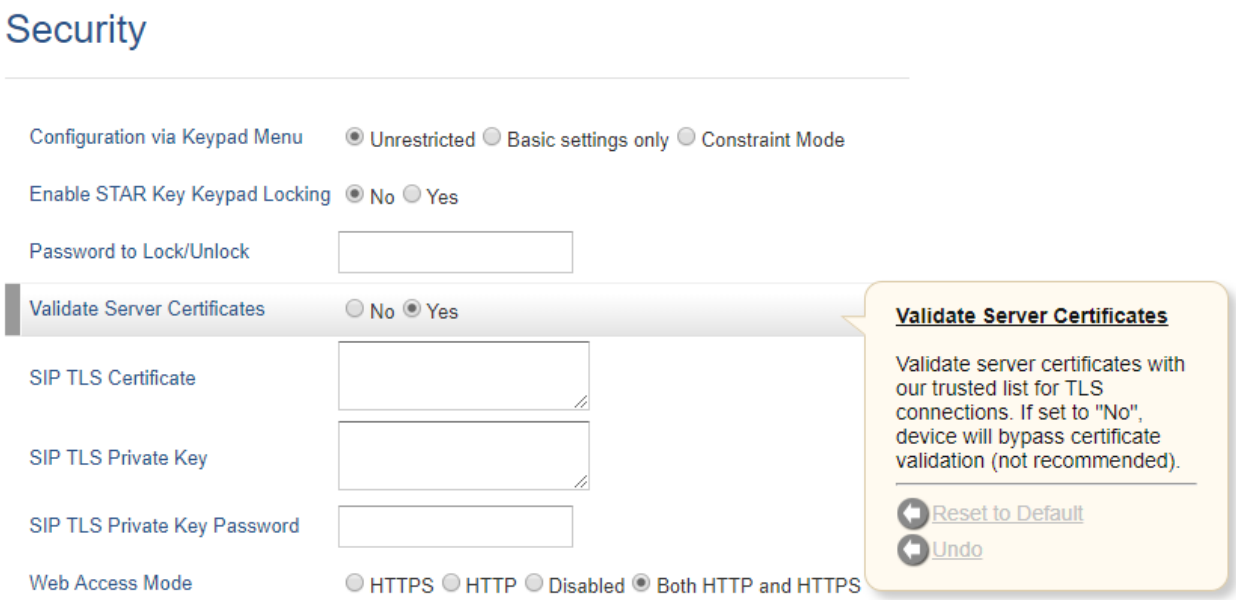
- Fixed Phone does not remain the voice vlan when LLDP is set to voice vlan and voice-signaling vlan

NEW FEATURES OVERVIEW

VALIDATE SERVER CERTIFICATES

- **Web Configuration**

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



- **Functionality**

  If set to “Yes,” the phone will check the server’s certificate against the phone’s trusted list of certificates during HTTPS provisioning. If set to “No,” the phone will not check server’s certificate.

- **New P-value**

P-value	Description	Value range	Default
P8463	Validate Server Certificates	0: No 1: Yes	0

SIP SUPPORT FOR 3CX HOT DESKING FEATURE

- Allows GXP17xx to apply 3CX related provisioning settings without reboot to support 3CX hot desking feature. The phone will now handle SIP Notify with event header “check-sync;reboot=false”

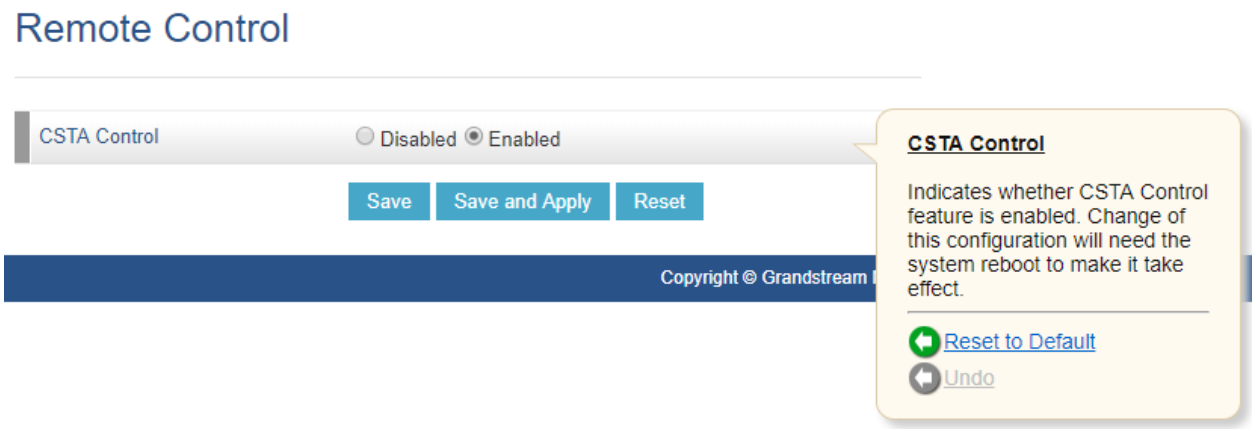
AUTO LOG IN WEB UI

- Allows automatic login to the GXP17xx’s web UI via 3CX’s phone UI feature. Implements new auto login API: http(s)://username:password@IP-addr/direct-login

uaCSTA CONTROL FOR 3CX

- **Web Configuration**

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



- **Functionality**

  Support for CSTA control features. Using 3CX or any platform that supports CSTA functionality, the user can control the phone to make, answer, hold or transfer calls.

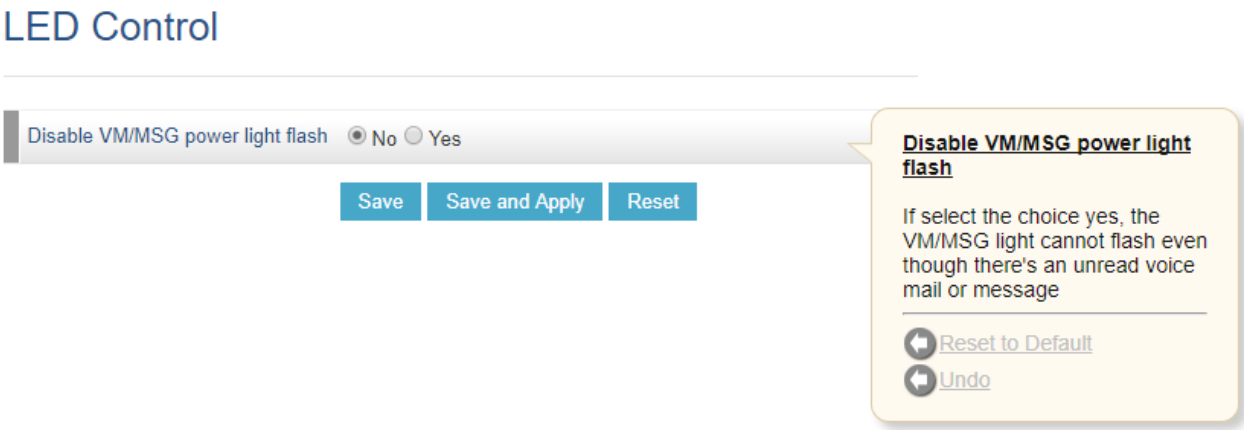
- **New P-value**

P-value	Description	Value range	Default
P32053	CSTA Control	0: Disabled 1: Enabled	0

VOICEMAIL NOTIFICATION LED

- **Web Configuration**

  This option can be found under device web UI->Settings->LED Control->Disable VM/MSG power light flash.



- **Functionality**

  If set to “Yes” will disable voicemail LED notification. If set to “No,” voicemail LED will flash upon receiving voicemail notification.

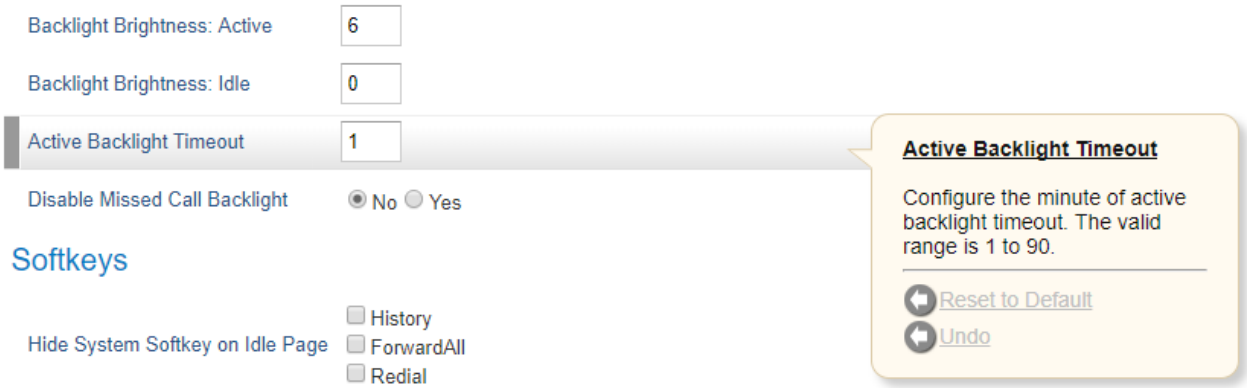
- **New P-value**

P-value	Description	Value range	Default
P8371	Disable VM/MSG power light flash	0: No 1: Yes	0

LCD SCREEN BACKLIGHT TIMEOUT

- **Web Configuration**

  This option can be found under device web UI->Settings->LCD Display->Active Backlight Timeout



- **Functionality**

  Controls the interval which the backlight will remain at the active brightness level. After the timeout time, the backlight will switch to use the idle brightness level. If set to 0, the timeout function will be disabled and the backlight will only follow the active brightness level.

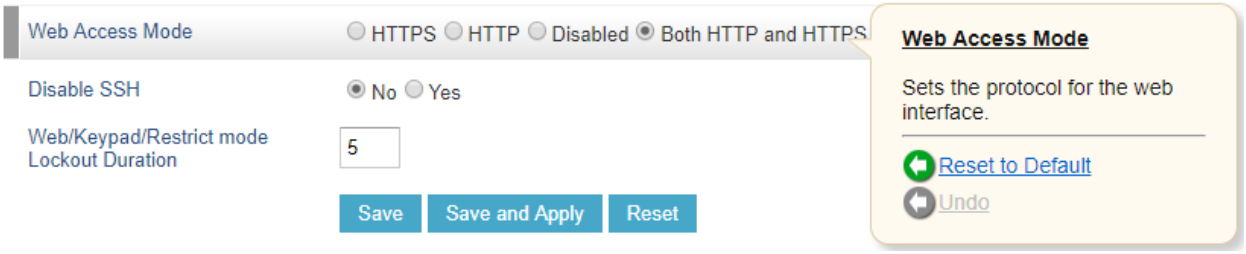
- **New P-value**

P-value	Description	Value range	Default
P8356	Active Backlight Timeout	1 – 90, 0 - Disabled	1

BOTH HTTP AND HTTPS WEB INTERFACE

- **Web Configuration**

  This option can be found under device web UI->Maintenance->Security->Web Access Mode



- **Functionality**

  Defines the web access protocol. If set to “Both HTTP and HTTPS,” the GXP17xx web functions will

be available in both protocols.

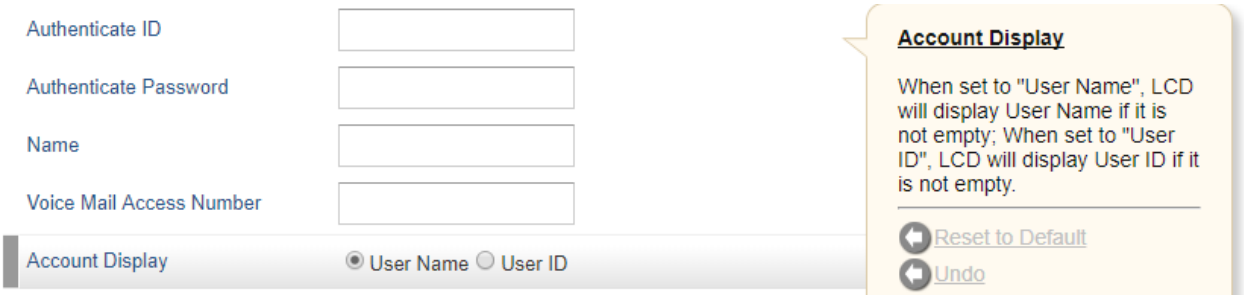
- **New P-value**

P-value	Description	Value range	Default
P1650	Web Access Mode	0 – HTTPS 1 – HTTP 2 – Disabled 3 – Both HTTP and HTTPS	1

ACCOUNT DISPLAY

- **Web Configuration**

  This option can be found under device web UI->Account->General Settings



- **Functionality**

  Sets the line display on the phone's LCD to show the user name or user ID.

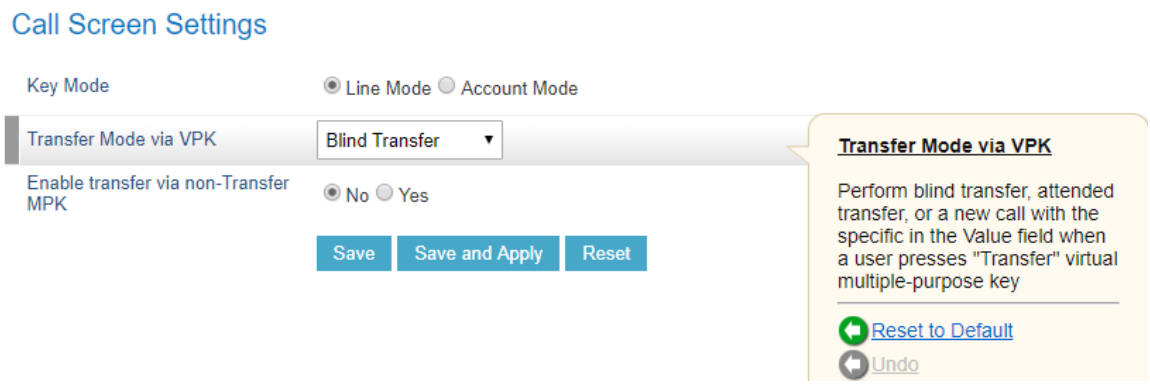
- **New P-value**

P-value	Description	Value range	Default
P2380 (Account 1) P2480 (Account 2) P2580 (Account 3) P2680 (Account 4)	Account Display	0 – User Name 1 – User ID	0

TRANSFER MODE VIA VPK

- **Web Configuration**

  This option can be found under device web UI->Settings->Programmable Keys->Virtual Multi-Purpose Keys Settings



- **Functionality**

  Toggles the transfer behavior of the VPK "transfer" function. If set to "blind transfer," the VPK transfer mode will always perform blind transfer. If set to "attended transfer," it will perform attended style transfer. Lastly, the "new line" option will perform a call on a new line.

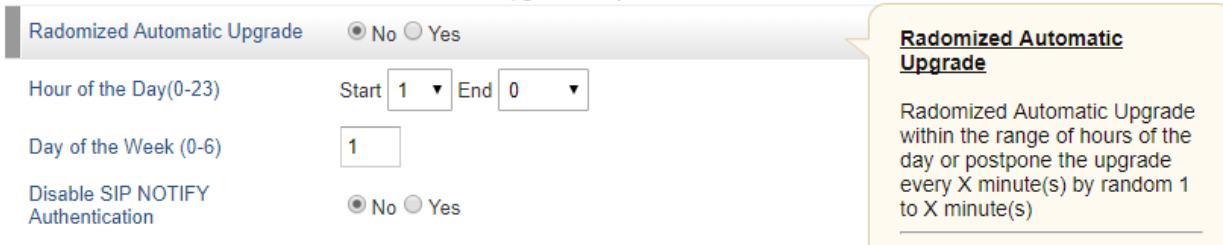
- **New P-value**

P-value	Description	Value range	Default
P8390	Transfer Mode via VPK	0 – Blind Transfer 1 – Attended Transfer 2 – New Call	0

RANDOMIZED AUTOMATIC UPGRADE

- **Web Configuration**

  This option can be found under device web UI->Maintenance->Upgrade and Provisioning.



- **Functionality**

  Randomizes the automatic upgrade process based on the current selection for "automatic upgrade." If automatic upgrade is set to "check for upgrade every X minutes," the phone will wait a random time from 1 to X minutes and then upgrade every X minutes. If automatic upgrade is set to "check for upgrade every day," the phone will upgrade at a random time between the "start" and "end" hour every day. Lastly, if automatic upgrade is set to "check for upgrade every week," the phone will upgrade at the day of the week and at a random time between "start" and "end" hour.

- **New P-value**

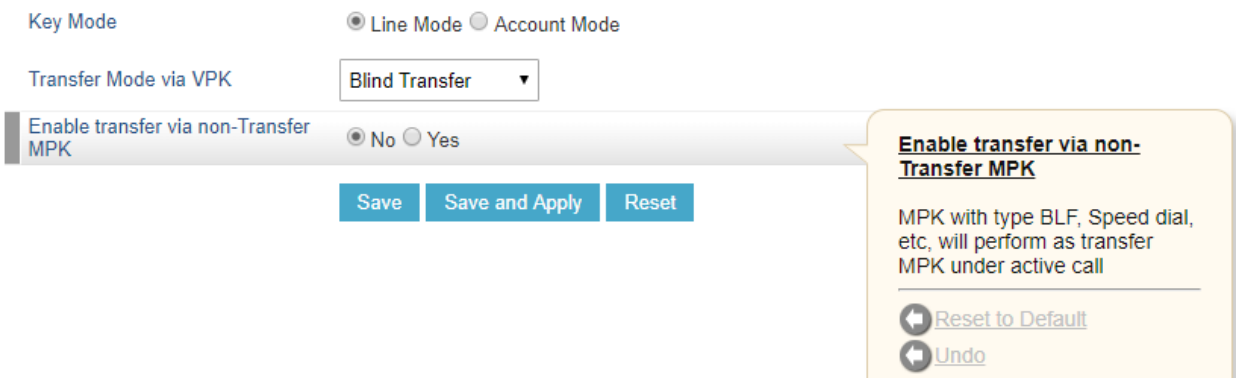
P-value	Description	Value range	Default
P8458	Randomized Automatic Upgrade	0 – No	0

		1 – Yes	

ENABLE TRANSFER VIA NON-TRANSFER MPK

- **Web Configuration**

  This option can be found under device web UI->Settings->Programmable Keys->Virtual Multi-Purpose Keys Settings.



- **Functionality**

  Allows the BLF and speed dial VPK key modes, to perform transfer functions during an active call. Transfer behavior will be determined based on "Transfer Mode via VPK."

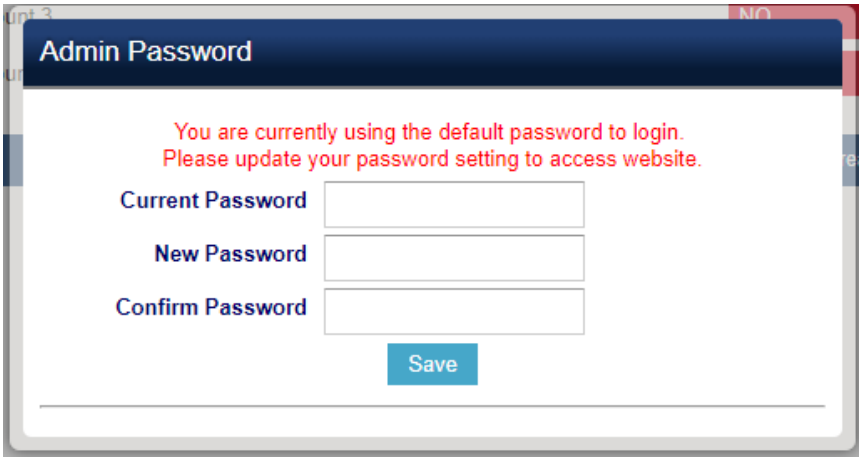
- **New P-value**

P-value	Description	Value range	Default
P22162	Enable transfer via non-Transfer MPK	0 – No 1 – Yes	0

PASSWORD CHANGE PROMPT

- **Web Configuration**

  This feature will take effect during login when the default admin password is being used



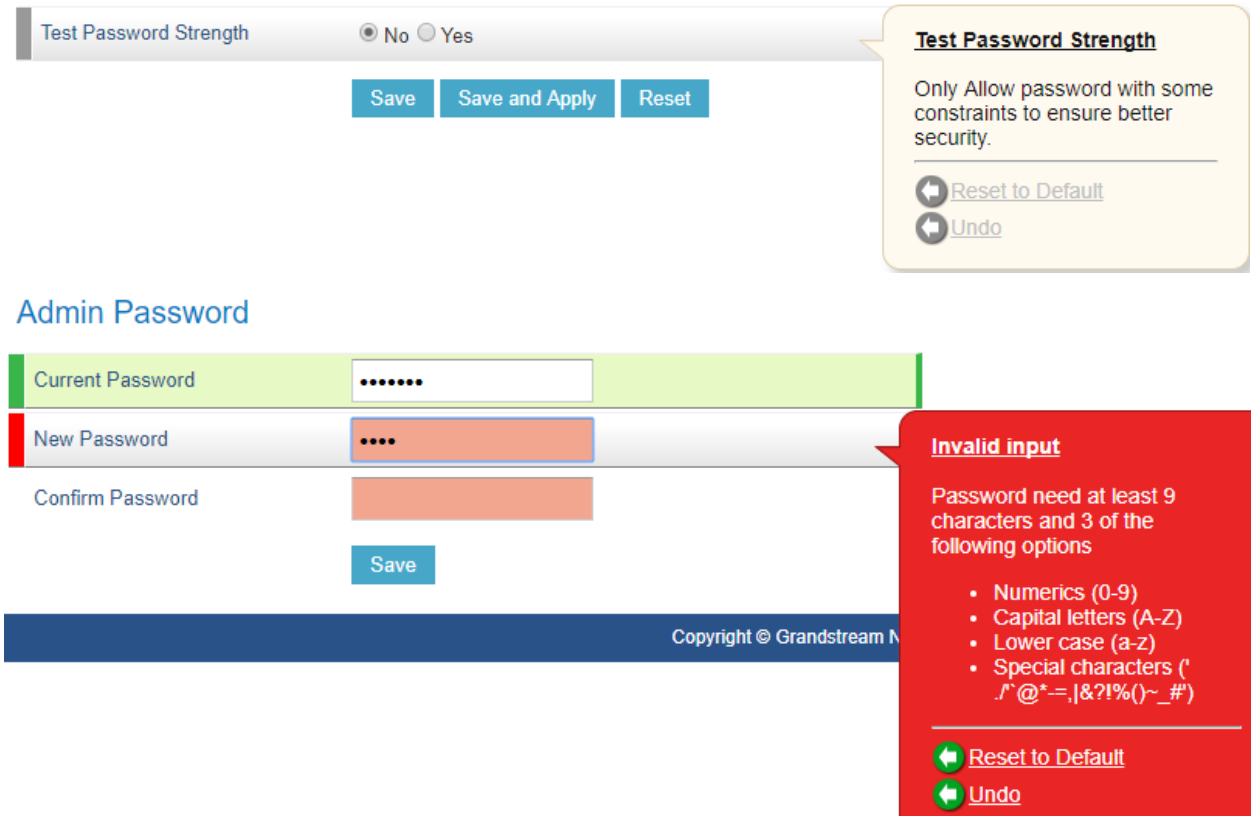
- **Functionality**

  Prompts the user to change the admin password if the default admin password is being used.

TEST PASSWORD STRENGTH

- **Web Configuration**

  This option can be found under device web UI->Settings->General Settings



- **Functionality**

  A warning will show if the new admin or user password is not following strong password conventions. The user will need to revise the password accordingly before it can be applied.

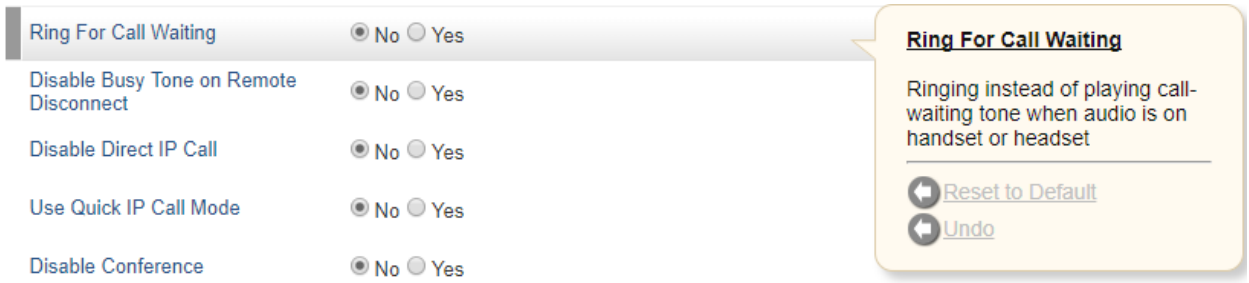
- **New P-value**

P-value	Description	Value range	Default
P8468	Test Password Strength	0 – No 1 – Yes	0

RING FOR CALL WAITING

- **Web Configuration**

  This option can be found under device web UI->Settings->Call Features



- **Functionality**

  During call waiting, the phone will play ringing tone instead of call waiting tone.

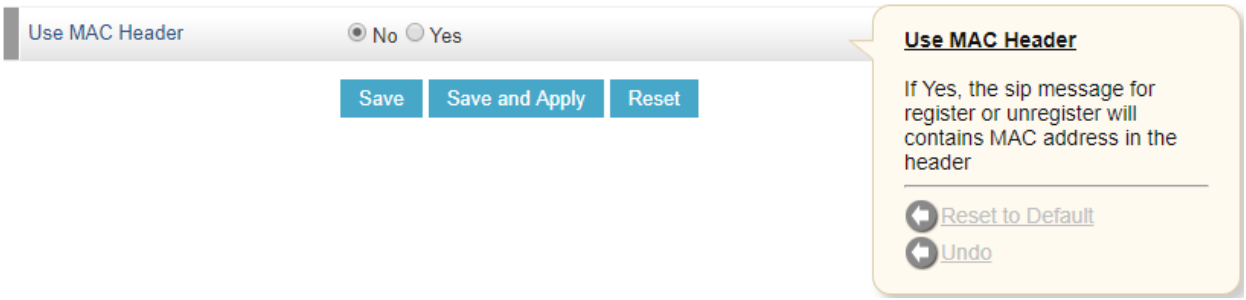
- **New P-value**

P-value	Description	Value range	Default
P22102	Ring For Call Waiting	0 – No 1 – Yes	0

MAC HEADER SUPPORT IN SIP HEADER

- **Web Configuration**

  This option can be found under device web UI->Account->SIP Settings->Custom SIP Headers.




```
User-Agent: Grandstream GXP1780 1.0.1.50
Supported: path
Expires: 3600
MAC: 00:0b:82:9e:26:02
Allow: INVITE, ACK, OPTIONS, CANCEL, BYE, SUBSCRIBE, NOTIFY, INFO, REFER, UPDATE, MESSAGE
Content-Length: 0
```

- **Functionality**

  Shows the MAC header for SIP register or unregister packets.

- **New P-value**

P-value	Description	Value range	Default
P26061 P26161 P26261	Use MAC Header	0 – No 1 – Yes	0

P26361			

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	<New Pvalue> Use SBC	Value = 0; No Value = 1; Yes	No

SYSLOG ENHANCEMENT

- **Web Configuration**

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

- **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

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

DONOTDISTURBEVENT SUPPORT FOR 3CX

- **Functionality**

Now DND function can be support by 3CX server. It will display on CTI and web client page. When DUT 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
```


USERNAME/PASSWORD FIELDS ADDED IN LCD MENU

- **Functionality**

Originally, users are only able to set configure path on their device web UI. Now users can setup their protocols of provisioning and the username and password if applicable from LCD menu.

DIAL PLAN FLAG T SUPPORT

- **Functionality**

When editing/adding dial plans, adding a “T” at the end of the dial plan will let the phone wait for 3 seconds before dialing out. This gives users more flexibility on their dial plan setup.
For example, with dial plan 1XXT, phone will wait for 3 seconds to let user dial more than just 3 digits if needed. Originally the phone will dial out immediately after dialing the third digit.

COUNTRY CODE MODIFICATION

- **Web Configuration**

This option can be found under device web UI→Network→Wifi Settings→Country.
Note: If your phone is a US model, you won’t have this option.

- **Functionality**

Now the users will be able to choose their country code of their device. Which the phone will be able to adjust it’s frequency to the regulations that corresponds to the country selected.

- **Pvalue**

Pvalue	Description	Value Range	Default
P7831	<New Pvalue> Country	Country codes	AL(Albania)

FIRMWARE VERSION 1.0.1.30

PRODUCT NAME

GXP1780, GXP1782, GXP1760, GXP1760W

DATE

10/26/2017

NOTE: This firmware mainly fixed GXP1760W Wi-Fi related issues below:

BUG FIX

- Fixed GXP1760W can't get network in Static IP mode when rebooting without network
- Patched WPA2 Key Reinstallation Attacks

FIRMWARE VERSION 1.0.1.28

PRODUCT NAME

GXP1780, GXP1782, GXP1760

DATE

09/11/2017

ENHANCEMENT

- Added Call Hold reminder option [CALL HOLD REMINDER]
- Added notification tone volume configuration in web UI [NOTIFICATION TONE VOLUME]
- Added GDS Surveillance Action Key support Integration [GDS SURVEILLANCE ACTION KEY SUPPORT]
- Added Static/Dynamic auto-attended transfer support [STATIC/DYNAMIC MODE FOR ATTENDED TRANSFER]
- Added option to enable/disable web UI access [ENABLE/DISABLE WEBUI ACCESS]
- Added onhook dial barging [ONHOOK DIAL BARGING]

BUG FIX

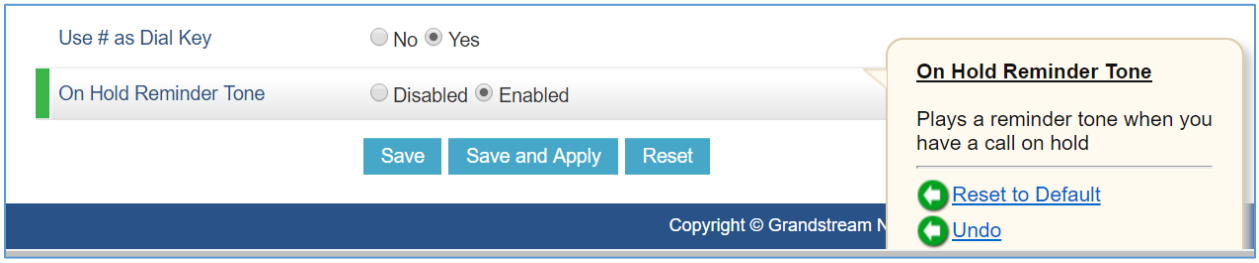
- Fixed some multicast related bugs
- Fixed Still re-send SUBSCRIBE when receiving 489 Response with non-zero Retry-After header
- Fixed 802.1X port based authentication not working
- Fixed Device can't establish conference after establishing talk with all available lines
- Fixed Line LED doesn't light on in dial page after adding VPK in VPK page
- Fixed Device can't boot up after upgrading successfully
- Fixed BLF VPK LED doesn't light on in phonebook page
- Fixed DHCP inform doesn’t include vendor class identifier
- Fixed Recovery talk works abnormally in account mode
- Fixed Device can't pickup call on 3CX server
- Fixed Device can speed dial out in pre-conference
- Fixed Device displays incorrectly after dialing voicemail in conference page
- Fixed Eventlist BLF only auto provisions first VPK page upon reboot
- Fixed Call duration displays incompletely after establishing long time talk
- Fixed LCD displays conference status in talking page
- Fixed Device can't switch to VPK page in hold status
- Fixed Device can't accept P-value in string format for line and VPK
- Fixed Subscribe Expiration is wrong
- Fixed The members of Eventlist BLF URI disappears in VPK after firmware upgrade
- Fixed Pressing line key can't answer incoming call in paging call dial page

- Fixed Pressing line key can't skip to dial page in conference call page
- Fixed LCD displays invalid reconfsoftkey in conference
- Fixed Phone doesn't parse and process presence status in UCM presence NOTIFY
- Fixed Password displays abnormally on External Device page
- Fixed Syslog module crashes after configuring syslog server as unresolvable domain name
- Fixed OnHook Dialing window disappears when there is an incoming call
- Fixed Phone can bypass contact header check in 200 OK for REGISTER requests
- Fixed Underline domains not supported on SIP server
- Fixed Dialing from phonebook is invalid in hold page
- Fixed LCD displays IP as 0.0.0.0 in LLDP environment
- Fixed Account name displays incorrectly in onhook dialing page
- Fixed Phone delays to prompt failure message when entering wrong credentials for hot-desking mode
- Fixed Failover on Maintenance for certain SIP server doesn't occur
- Fixed Dial Plan Prefix works abnormally
- Fixed CTI APP display doesn't change according to status if connected with Phone using static IP
- Fixed Press line key can't switch back to transfer page after pressing an unregistered line key
- Fixed Auto answer issues after the phone makes a call
- Fixed GUI module crashed after editing contact
- Fixed GUI module crashed after downloading bad phonebook
- Fixed Phone module crashed after dialing contact in conference page
- Fixed Phone crashed after setting dial plan more than 170 characters
- Fixed LCD should add paging call icon in paging call dial page
- Fixed LCD didn't display cursor after switching line when establish talk with vpk key
- Fixed Hold and dial softkeys are invalid after callee reject conference call
- Fixed Device crashed after standby about 20H
- Fixed Screen display incorrectly when press left arrow key in call log page
- Fixed LCD only display one participant in conference
- Fixed LCD exists extra confcallsoftkey in talking page

NEW FEATURES OVERVIEW

CALL HOLD REMINDER

- **Web Configuration**
  Users can find “On Hold Reminder Tone” option under web UI->Account x->Call Settings.



- **Functionality**

  When the call is on hold, the user can hear On Hold reminder plays 3 beep tones. It plays the three beeps after 1 minute and then every 30 seconds.

- **New P-value**

P-value	Description	Value Range	Default
P26006, P26106 P26206, P26306	On Hold Reminder Tone for Account 1, 2, 3 and 4	Value = 0; Disabled Value = 1; Enabled	0

NOTIFICATION TONE VOLUME

- **Web Configuration**

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

- **Functionality**

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

- **New P-value**

P-value	Description	Value Range	Default
P8399	Notification Tone Volume	Value = 0 to 7	7

GDS SURVEILLANCE ACTION KEY SUPPORT

- **Web Configuration**

  This option can be found under device web UI->Settings->External Service.

- **Functionality**

  Allows GXP17xx to send open door command to GDS3710. Authentication is required to make commands to GDS3710 for some actions.

  To perform authentication with GDS3710 and show Open Door softkey, the GXP17xx needs to be configured as follows:

1. Service Type: GDS
2. System Number: the SIP number or the IP address of GDS3710
3. Access Password: the Remote PIN configured on GDS3710

Service Type	Account	System Identification	System Number	Access Password
GDS	Account 1	172.18.20.98	172.18.20.98	••
GDS	Account 1	8448	8448	••
None	Account 1			
None	Account 1			
None	Account 1			
None	Account 1			
None	Account 1			
None	Account 1			
None	Account 1			
None	Account 1			

Additional notes:

1. If GDS3710 makes a call by SIP number, the number of GDS service on GXP phone should be the same as “SIP User ID” on SIP Basic Settings page on GDS3710.
2. If GDS3710 makes direct IP call, the number of GDS service on GXP phone should be the same as “IP Address” on Network Info page on GDS3710.
3. The password of GDS service on GXP phone should be the same as “Remote PIN to Open the door” on GDS3710.

- **New P-value**

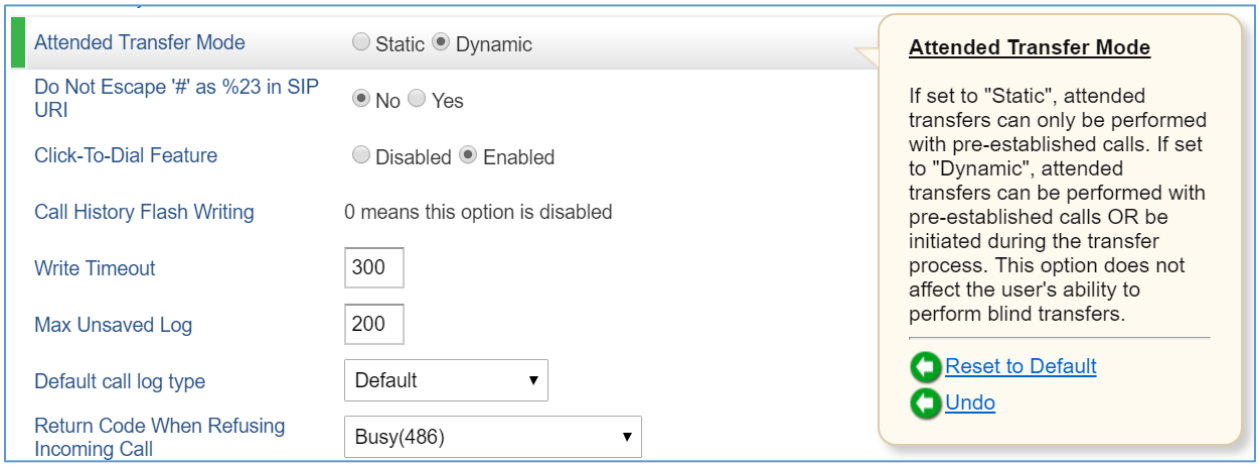
P-value	Description	Value range	Default
P32000 P32005 P32010 P32015 P32020 P32025 P32030 P32035 P32040	External service 1 ~ 10 Service Type	-1: None 0: GDS	-1

P32045			
P32001 P32006 P32011 P32016 P32021 P32026 P32031 P32036 P32041 P32046	External service 1 ~ 10 Account Index	Value = 0; Account 1 Value = 1; Account 2 Value = 2; Account 3 Value = 3; Account 4	0
P32002 P32007 P32012 P32017 P32022 P32027 P32032 P32037 P32042 P32047	External service 1 ~ 10 Description	String	Null
P32003 P32008 P32013 P32018 P32023 P32028 P32033 P32038 P32043 P32048	External service 1 ~ 10 User ID	String	Null
P32004 P32009 P32014 P32019 P32024 P32029 P32034 P32039 P32044 P32049	External service 1 ~ 10 Password	String	Null

STATIC/DYNAMIC MODE FOR ATTENDED TRANSFER

- **Web Configuration**

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



- **Functionality**

  When Attended Transfer Mode is set to “Static”, only Blind Transfer softkey is available on LCD after the user presses TRANSFER button and enters the number for transferring call. When Attended Transfer Mode is set to “Dynamic”, both Blind Transfer Attended Transfer softkeys are available.

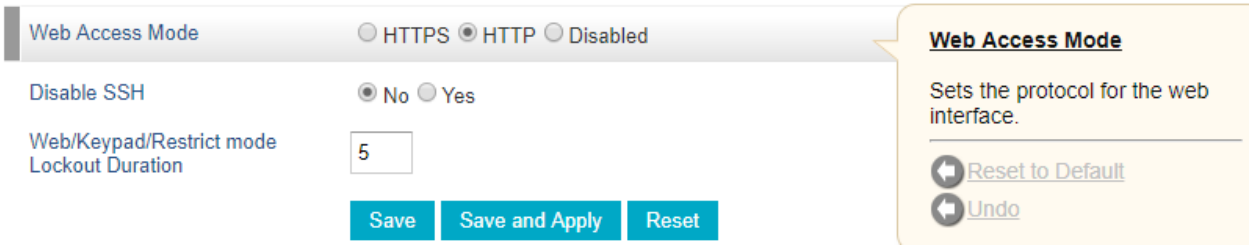
- **New P-value**

P-value	Description	Value range	Default
P1376	Attended Transfer Mode	0: Static 1: Dynamic	0

ENABLE/DISABLE WEBUI ACCESS

- **Web Configuration**

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



- **Functionality**

  This option allows user to enable or disable web access for the phone.

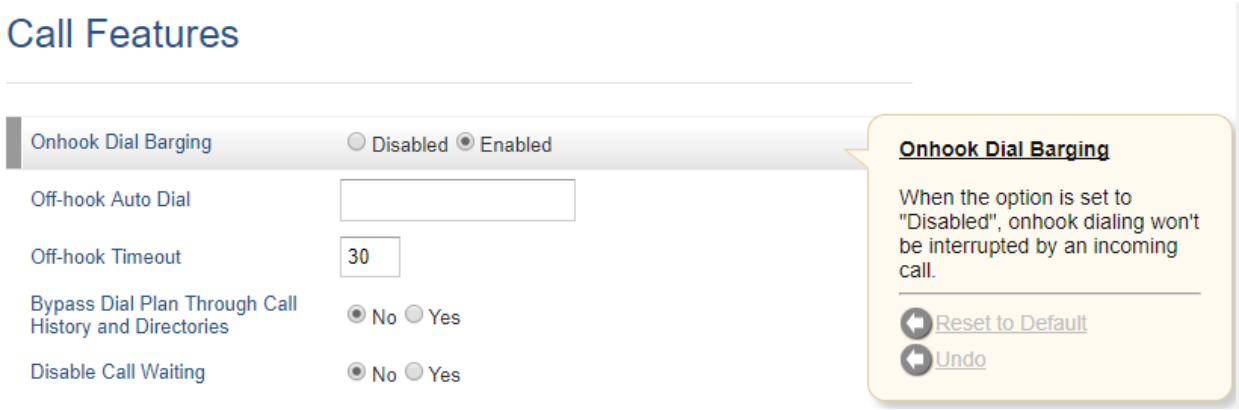
- **New P-value**

P-value	Description	Value range	Default
P1650	Web Access Mode	Value = 0; HTTPS Value = 1; HTTP Value = 2; Disabled	1

ONHOOK DIAL BARGING

- **Web Configuration**

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



- **Functionality**

  This option will prevent incoming call from interrupting an onhook dialing attempt

- **New P-value**

P-value	Description	Value range	Default
P8397	Web Access Mode	Value = 0; Disabled Value = 1; Enabled	1

FIRMWARE VERSION 1.0.1.8

PRODUCT NAME

GXP1780, GXP1782, GXP1760

DATE

05/04/2017

ENHANCEMENT

- Added "Account Mode"[“ACCOUNT MODE”“ACCOUNT MODE”]
- Added ability to disable PANI, PEI, X-Grandstream-PBX header [TOGGLE PANI, PEI AND X-GRANDSTREAM-PBX HEADER]
- Added “NewCall”softkey for account mode[“NEWCALL” SOFTKEY FOR ACCOUNT MODE]
- Added "Target" softkey under account mode to select lines when set up conference or transfer[“TARGET” SOFTKEY]
- Added separate subscription expire options for accounts[SUBSCRIBE EXPIRE OPTIONS FOR ACCOUNTS]
- Added P-value support for Provisioning "Trusted CA Certificates"[PROVISIONING “TRUST CA CERTIFICATE”PROVISIONING “TRUST CA CERTIFICATE”]
- Added "Transfer" and "Conference" softkeys for held calls["TRANSFER" AND "CONFERENCE" SOFTKEYS"TRANSFER" AND "CONFERENCE" SOFTKEYS]
- Updated GUI display to sync with GXP21xx

BUG FIX

- Fixed Device re-send SUBSCRIBE when receiving 489 Response with non-zero Retry-After header
- Fixed Line LED doesn't lights on in dial page after adding VPK in VPK page
- Fixed Device can't establish conference after establishing talk with all available line
- Fixed Recovery talk worked abnormally in account mode
- Fixed Device can't pickup call on 3CX server
- Fixed Press line key can't recover talk in transfer page after pressing idle line
- Fixed multiple Eventlist BLF Notify will cause the phone have slow response
- Fixed Line LED doesn't light on after dialing unmatched dial rule number from phonebook
- Fixed Device is using wrong line in dial page under account mode after dialing failed
- Fixed There is hold softkey in dialing page
- Fixed Redial works abnormally in account mode
- Fixed Device is calling using the wrong contact primary number
- Fixed Device can transfer the held call
- Fixed LCD have no confsoftkey in dialing status under account mode

- Fixed Device can using unregistered line onhook dial out under account mode
- Fixed GUI module crashed after establishing conference with different platform
- Fixed Syslog module crashed after configure syslog server as unable resolve domain name
- Fixed LCD displayed resume softkey after holding conference
- Fixed LCD displayed softkey was wrong after holding conference via CTI
- Fixed the phone public mode login does not display the account
- Fixed Webcgi crashed after remove network in talk when connecting CTI
- Fixed LCD displayed register failed icon after reset account page
- Fixed Device can't back to talk after pressing line key in transfer page
- Fixed Device called contact primary number was wrong.
- Fixed LCD should remove target softkey in conference under account mode
- Fixed Line LED didn't lights on in dialing page after pressing line key in conference
- Fixed LCD displayed resume Softkey after holding conference
- Fixed LCD have no resume softkey in hold status after conference participant end call
- Fixed LCD brightness displayed wrong in phonebook page
- Fixed LCD have no transfer/confsoftkeys after holding conference
- Fixed LCD can't switch to ringing page after having coming call in conference target page
- Fixed LCD displayed unfriendly in conference dial page
- Fixed LCD displayed conference icon in talk
- Fixed Device worked abnormally after switching to dial page when having two coming call
- Fixed Web page should remove Hide Vocoder option
- Fixed Clear softkey is invalid after clearing DTMF in dial page
- Fixed GXP16XX phone with Line Key Sync still handles CallFWD No Answer if incoming call from BS Hunt Group
- Fixed Softkeys displayed abnormally when having coming call in conference hold page
- Fixed Swap softkey is invalid in dialing page
- Fixed Device reboot failed,LCD stopped at white screen page
- Fixed Hold conference worked abnormally
- Fixed Web page should remove next option of Hide System Softkey on Idle Page
- Fixed Web page have no web service module
- Fixed Device can't back to talk after pressing line key in transfer page
- Fixed GUI module crashed after pressing idle line in conference page
- Fixed Pressing transfer key send DTMF worked abnormally
- Fixed Icon display wrong after establishing two calls in account mode
- Fixed Swap is invaild after far-end end call in conference call page
- Fixed LCD didn't display call duration in talk with account mode
- Fixed LCD display wrong after pressing up arrow key in pre-conf page
- Fixed Device display wrong after using vpk line dial out in account mode
- Fixed Device worked abnormally when having coming call in conference with account mode
- Fixed GUI module crashed after pressing mute key in onhook dialing page
- Fixed GUI module crashed after reboot when configured call forward

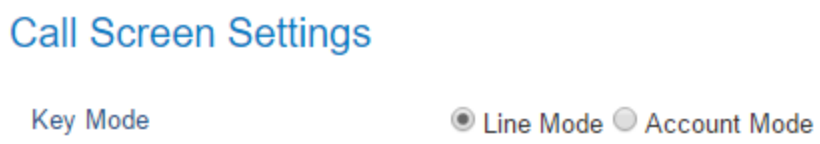
- Fixed Softkey displayed wrong after pressing idle line in conference
- Fixed GUI module crashed after canceling call forward
- Fixed Device can't establish conference in account mode when establish talk without account1
- Fixed LCD displayed wrong after canceling call forward
- Fixed Missing Bottom Row Pixels for softkey Korean characters
- Fixed Arabic Characters in the Softkeys Are Incomplete
- Fixed Device can't recovery talk after using API hold command
- Fixed Device can enter into menu page in locked status
- Fixed Line LED lights wrong in account mode when having coming call in talk
- Fixed Line LED didn't lights on in account mode after press speaker key in idle
- Fixed LCD displayed conference icon in talk after switching to VPK page
- Fixed LCD displayed registered icon when account unregistered
- Fixed Device flash line led after pressing transfer key in talk
- Fixed Pressing transfer key send DTMF worked abnormally
- Fixed Headset LED lights off in idle page when enabled headset mode
- Fixed Offhook can't wake up backlight brightness to active status in audio loopback
- Fixed LCD warning box display incomplete when record via USB but not connected USB.
- Fixed Icon display wrong after establishing two calls in account mode
- Fixed Device cannot adjust volume and switch audio mode in audio loopback
- Fixed Switching line in account mode worked abnormally
- Fixed VPK LED flash green in talk after switching page
- Fixed Device can't select line to answer when have multiple coming call in account mode
- Fixed LCD didn't display user id in conference
- Fixed LCD display conference participant user id was wrong in account mode
- Fixed Account2-4 didn't work in account mode
- Fixed GUI crashed after reboot when configure Mute Key Functions While Idle option as idle mute
- Fixed Pressing line5-line8 key can't skip to dial page or answer coming call
- Fixed LCD didn't display presence watcher VPK icon
- Fixed Speed dial VPK worked abnormaly in call forward page
- Fixed Monitored call park icon display wrong
- Fixed LCD skip to function page after pressing right VPK keys in diagnostic mode
- Fixed GXP178x:LCD has no next softkey after adding VPK
- Fixed Rename "Resort" to "Sort"
- Fixed UCM OPTION request sent to wrong address
- Fixed Updated NTP default value
- Fixed some phones fail to boot up with “Recovery incomplete” message on display screen
- Fixed “More”softkey is invalid
- Fixed LCD skips to talking page after participant onhook in conference call page
- Fixed Device should back to idle page after press headset key twice in transfer page
- Fixed Device played DTMF tone in idle page
- Fixed LCD displayed registered icon when account unregistered

- Fixed Device did not send SUBSRCIRBE after disable then enable Broadsoft feature
- Fixed Device played DTMF when searching LDAP in talk
- Fixed Device flash line led after pressing transfer key in talk.
- Fixed Device worked abnormally after holding call when enable Music On Hold option
- Fixed Device should press speaker key twice to entering dialing page when enable headset mode
- Fixed Headset LED didn't lights on after onhook in ringing page when enable headset mode
- Fixed Headset icon disappear in headset mode after enabling idle mute
- Fixed LCD display ringing tone volume level wrong after adjust volume in headset mode
- Fixed Line LED should lights on in dialing page
- Fixed Line LED didn't lights on in dialing status after switch line
- Fixed BLF LED can't update status in unlock keypad page
- Fixed LCD display abnormally when using VPK set call feature function
- Fixed Press Presence Watcher VPK key in idle can't speed dial out
- Fixed Headset LED lights on in handset mode after recovery talk
- Fixed Eventlist BLF LED still lights on after delete EventlistBLF URI
- Fixed Press more softkey is invalid when adjusting volume
- Fixed Headset LED lights off in ilde page when enabled headset mode.
- Fixed Record VPK LED lights off in conference hold page
- Fixed Offhook can't wake up backlight brightness to active status in audio loopback
- Fixed Device played ringing tone in multicast paging call
- Fixed Device didn't play ringing tone in headset mode after transfer call
- Fixed Device does not send IP addr in LLDP Chassis but MAC addr
- Fixed Phone dials wrong 'LDAP Number Attribute'

NEW FEATURES OVERVIEW

"ACCOUNT MODE"

- **Web Configuration**
  Settings -> Programmable Keys Settings



- **Functionality**
  Allow users to change between Line Mode and Account Mode.In line mode, the amount of VPKs will be the amount of lines you can have. However, in Account mode the lines will be grouped by account so the VPKs could hold more lines in one accounts. For example, when in line mode and the line is in use, pressing the VPK will not doing anything. In Account Mode, when the line is in use, by pressing the VPK, a new line will be initiated.

- **New P-value**

P-value	Description	Value Range	Default
P8369	Key Mode	Value = 0; Line Mode Value = 1; Account Mode	Line Mode

TOGGLE PANI, PEI AND X-GRANDSTREAM-PBX HEADER

- **Web Configuration**

  Accounts -> Account # -> SIP settings ->Custom SIP Headers

- **Functionality**

Allow users to enable or disable the PANI and PEI Header in their SIP message.

- **New P-value**

P-value	Description	Value Range	Default
P26054/P26154/ P26254/P26354	Use X-Grandstream-PBX Header	Value = 0; No Value = 1; Yes	Yes
P26058/P26158/ P26258/P26358	Use P-Access-Network-Info Header	Value = 0; No Value = 1; Yes	Yes
P26059/P26159/ P26259/P26359	Use P-Emergency-Info Header	Value = 0; No Value = 1; Yes	Yes

"NEWCALL" SOFTKEY FOR ACCOUNT MODE

- **Functionality**

  Regularly, under normal Line mode, if you want to make another call, just press another line then you'll get into another call screen. In Account Mode, we will now see a softkey "NewCall", this allows the user to get another line on the same account with the same line button.

"TARGET" SOFTKEY

- **Functionality**

  When you have multiple calls on the same line and try to perform transfer or conference functions, you will see the "Target" softkey.Pressing "Target" will display the menu that shows you all the calls on that line. Simply select the account you want to do Transfer/Conference on to perform Blind Transfer/Conference.

SUBSCRIBE EXPIRE OPTIONS FOR ACCOUNTS

- **Web Configuration**

Accounts -> Account # -> SIP settings -> Basic settings

Subscribe Expiration 60

- **Functionality**

Allow users to set their expiration time for SIP subscribe. So users have more control on their accounts status. The value is 1 - 64800 (mins)

- **New P-value**

P-value	Description	Value Range	Default
P26051/P26151/ P26251/P26351	Subscribe Expiration	Number	60

PROVISIONING "TRUST CA CERTIFICATE"

- **Functionality**

  Now users are able to provision the Trust CA Certificate with cfg.xml file. Now the users are able to either upload the file directly from web or they can choose to provision it from their cfg.xml file.

- **New P-value**

P-value	Description	Value Range	Default
P8433 – P8438	Trusted CA Certificate	String	N/A

"TRANSFER" AND "CONFERENCE" SOFTKEYS

- **Functionality**

  When there are two actives calls, users can use the up arrow and down arrow keys on the keypad to toggle active line selection. Transfer and conference softkeys are now available and could be performed on a line that is held.

FIRMWARE VERSION 1.0.0.48

PRODUCT NAME

GXP1780, GXP1782, GXP1760

DATE

03/08/2017

ENHANCEMENT

- Allow certificate upload for OpenVPN [ALLOW CERTIFICATE UPLOAD FOR OPENVPN]
- Added OpenVPN copyright and trademark
- Added option for Predictive Dial Feature [ADDED OPTION FOR PREDICTIVE DIAL FEATURE]
- Added support for concurrent G.729 calls
- Renamed CTI feature to “Affinity”

BUG FIX

- Fixed webcgi module crashed after using wrong API command to cancel call
- Fixed Device could not get OpenVPN IP after downgrading from 1.0.4.51 to 1.0.4.50
- Rename "Resort" to "Sort"
- Fixed Phone crashed after deleting SIP server then redial
- Fixed Crash caused by dial plan
- Fixed Phonebook download interval setting after “Save and Apply” should take effect immediately
- Fixed After setting Internet Protocol to “IPv4 only”, phone can stillobtain IPv6 address
- Fixed GXP1780 cannot answer/hangup calls normally on Jabra Pro 9470 EHS headset with certain EHS adapter
- Fixed Phonebook download interval feature not saving data to flash
- Fixed Phone does not provision phonebook on bootup
- Fixed Phone GUI crashes when using SCA feature
- Fixed Phone should wait to send REFER until the hold process is complete in call park
- Fixed Phone should send REFER after server handles hold success
- Fixed Phone doesn’t provision phonebook on bootup
- Fixed Phone upgrade failed through OpenACS
- Fixed Phone doesn’t send authorization header when receiving 302 message

NEW FEATURES OVERVIEW

ALLOW CERTIFICATE UPLOAD FOR OPENVPN

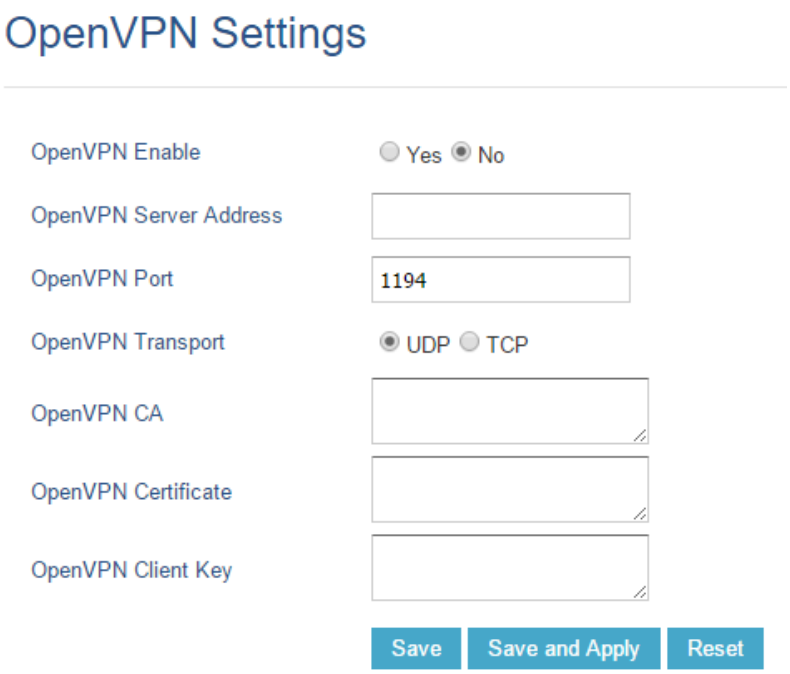
- **Web Configuration**

This option can be found under device web UI→Network →OpenVPN Settings

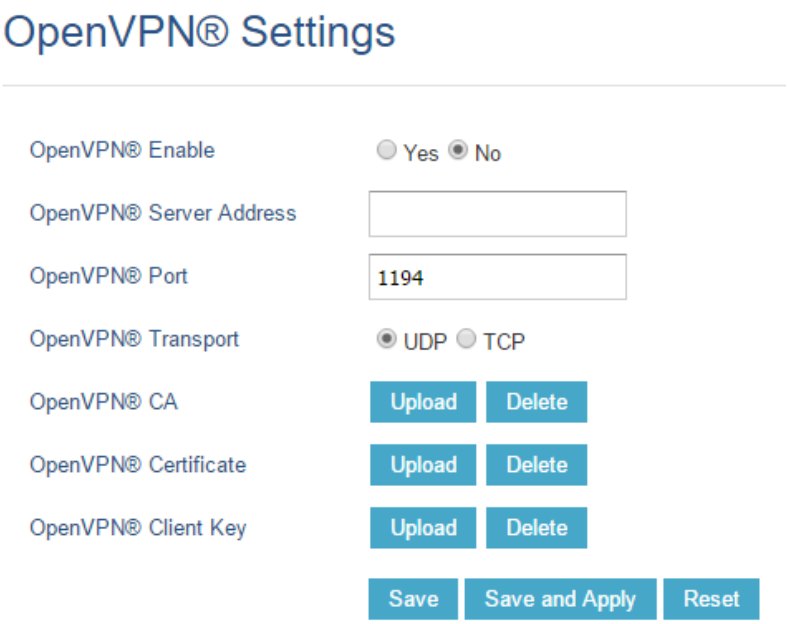
- **Functionality**

Allow user to simply upload the actual file without needing to do copy & paste as before.

Old:



New:



- **New P-value**

P-value	Description	Value Range	Default
P9902	<New P-value> OpenVPN CA	String	N/A
P9903	<New P-value> OpenVPN Certificate	String	N/A
P9904	<New P-value> OpenVPN Key	String	N/A

ADDED OPTION FOR PREDICTIVE DIAL FEATURE

- **Web Configuration**

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

- **Functionality**

  Allow the user to disable Predictive Dialing Feature.

- **New P-value**

P-value	Description	Value Range	Default
P22126	Predictive Dial Feature	Value = “0”; Disabled Value = “1”; Enabled	Enabled

FIRMWARE VERSION 1.0.0.38

PRODUCT NAME

GXP1780, GXP1782, GXP1760

DATE

12/08/2016

BUG FIX

- Fixed Phone fails to register with Outbound Proxy when “Accept Incoming SIP from Proxy Only” is enabled
- Fixed VPK can’t be provisioned successfully if config file has P-values requiring reboot
- Fixed Phone requires additional reboot to have VPK settings take effect on LCD if using config file that has VPK settings only