

# GXV3450/3470/3480 Firmware Release Notes

## IMPORTANT UPGRADING NOTE

- When using GXV3480 HW 1.5A, after upgrading to firmware 1.0.1.23+, downgrading to a lower firmware version is not allowed.
- After upgrading GXV3480/3450/3470 to firmware 1.0.1.16+, downgrading to a lower firmware version is not allowed.
- When using GXV3480 HW 1.6A, after upgrading to firmware 1.0.1.32+, downgrading to a lower firmware version is not allowed.
- For security concern, after upgrading GXV3480/3450/3470 to firmware 1.0.3.4, downgrading to a lower firmware version is not allowed.

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## FIRMWARE VERSION 1.0.3.4

### PRODUCT NAME

GXV3480, GXV3450, GXV3470

### DATE

12/04/2023

### FIRMWARE FILE INFORMATION

- GXV3480 firmware file name: gxv3480fw.bin  
MD5: 7021506fabbb0f38b45ce14f32b17d7f
- GXV3450 firmware file name: gxv3450fw.bin  
MD5: 3b16924eecbcf20e7bd6062cc53be1da
- GXV3470 firmware file name: gxv3450fw.bin  
MD5: 67a54a2dccd0044cd7b62bab34fc448f

### CHANGES SINCE FIRMWARE VERSION 1.0.1.33

#### ENHANCEMENT

- Supported “Account Disaster Recovery” under web UI Phone Settings to support secondary and more SIP server. [ACCOUNT DISASTER RECOVERY]
- Supported remote access to the web UI via GDMS device options menu.
- Supported receiving UCM broadcast message in SMS app. [BROADCAST SMS]
- Supported Remote Phonebook on web UI. [REMOTE PHONEBOOK]
- Supported call switch. [CALL SWITCH]
- Supported Enterprise Directory app. [ENTERPRISE DIRECTORIES]
- Supported Focus Mode. [FOCUS MODE]
- Supported web screen sharing. [SHARE SCREEN]
- Supported LCD Control on web UI. [WEB CONTROL LCD]
- Supported enable/disable screenshot control. [SCREENSHOT CONTROL]
- Improved the feature for N-way conference.
- Improved the incoming call interface when switching between standard and Zoom mode.
- Supported Dynamic Lock feature. [DYNAMIC LOCK]
- Supported full screen layout for video call.
- Supported VP8 video codec in web UI account codec settings.
- Supported G.722.1 and G.722.1C audio codecs in web UI account codec settings.
- Supported virtual background during the video call. [VIRTUAL BACKGROUND]
- Supported whiteboard in UCM calls. [WHITEBOARD]
- Supported one-key debugging on LCD. [ONE-KEY DEBUGGING]

- Supported echo delay detection and input. [ECHO DELAY ADJUSTMENT]
- Supported Schedule Tasks from web UI. [SCHEDULED TASKS]
- Updated boot up animation.
- Increase contact maximum volume to 2000 inputs.

### BUG FIX

- Fixed GXV3480 doesn't play the ringtone when a call is received from the GDS37xx.
- Fixed LDAP contact cannot be sorted by alphabet.
- Fixed GXV3480 randomly plays a warning tone for Auto Answer.
- Fixed device does not follow the Codec Negotiation Priority when on Callee and receiving a call.

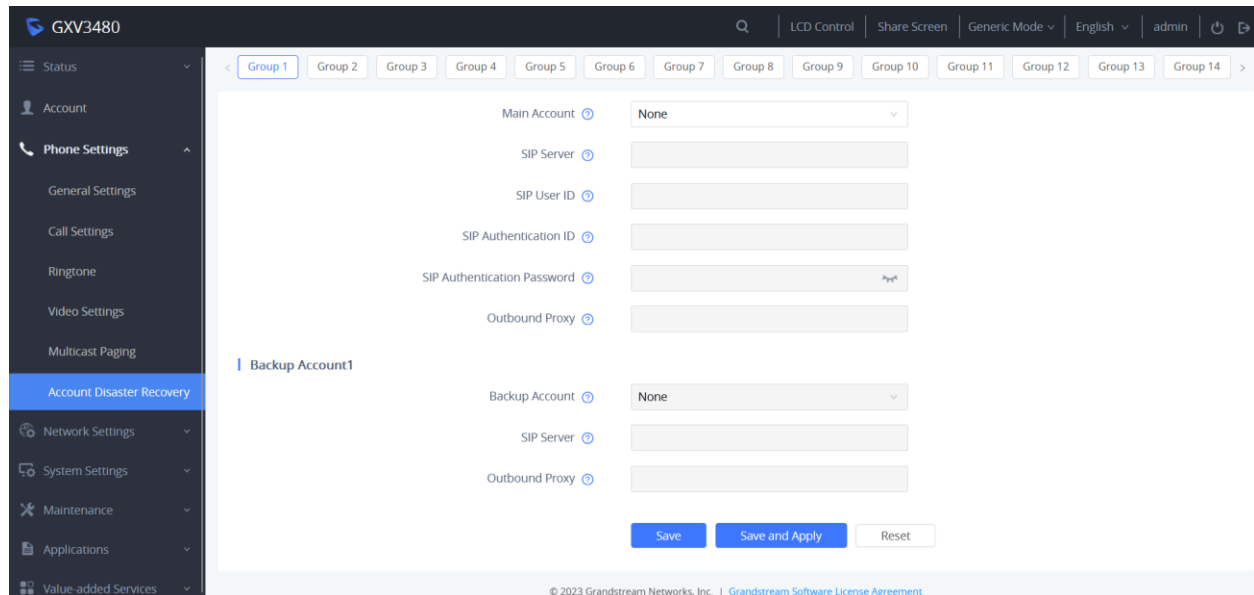
## NEW FEATURES OVERVIEW

### ACCOUNT DISASTER RECOVERY

The new web UI configuration allows the user to group multiple accounts into one to implement SIP registration failover. It is under web UI -> Phone Settings. The account will try to register to the secondary server if fails on the primary.

Each account can be assigned to only one group.

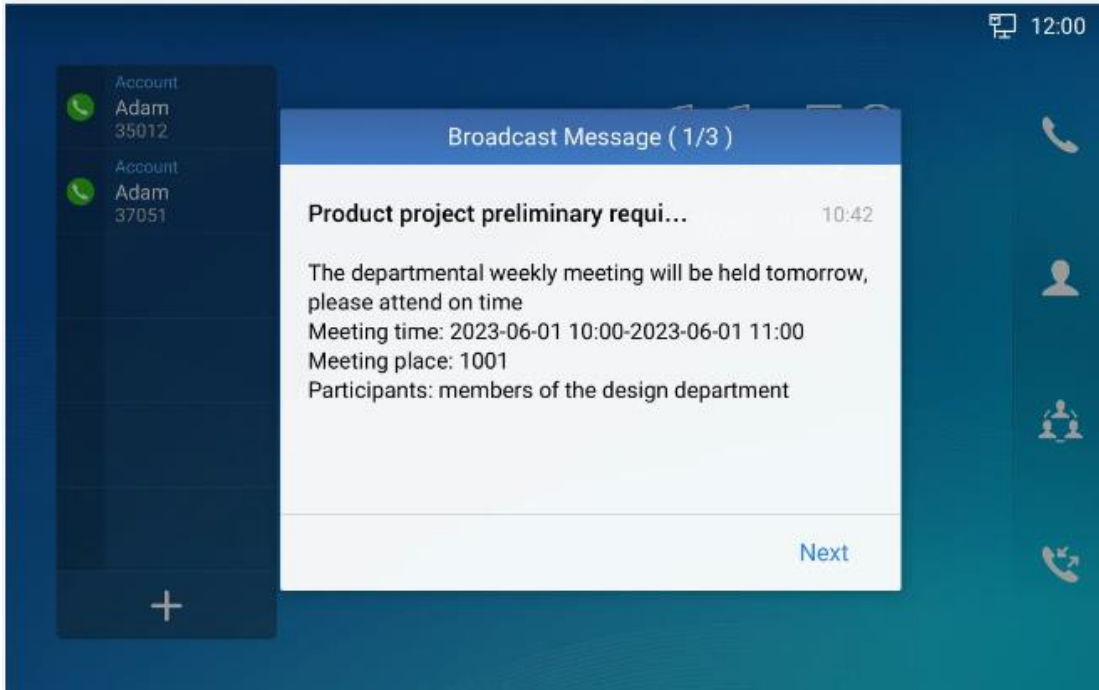
Backup account must be behind the primary account. For example, if account 3 is the primary account, its backup account must be selected from account 4 to account 16.



The screenshot displays the 'Account Disaster Recovery' configuration page for a GXV3480 device. The interface includes a sidebar with navigation options like Status, Account, Phone Settings, and Network Settings. The main content area is divided into two sections: 'Main Account' and 'Backup Account1'. Each section has a dropdown menu for account selection (both currently set to 'None') and input fields for SIP Server, SIP User ID, SIP Authentication ID, SIP Authentication Password, and Outbound Proxy. At the bottom, there are three buttons: 'Save', 'Save and Apply', and 'Reset'. The footer contains the copyright information: '© 2023 Grandstream Networks, Inc. | Grandstream Software License Agreement'.

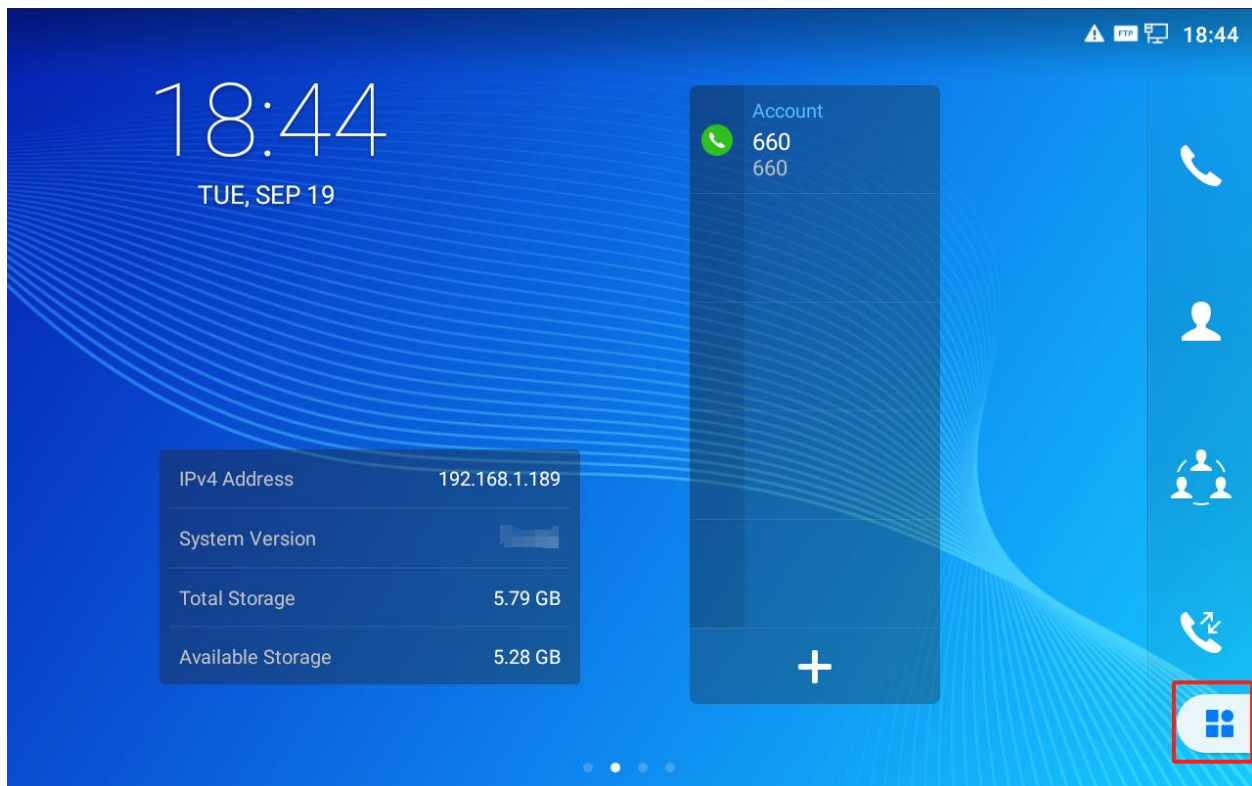
### BROADCAST SMS

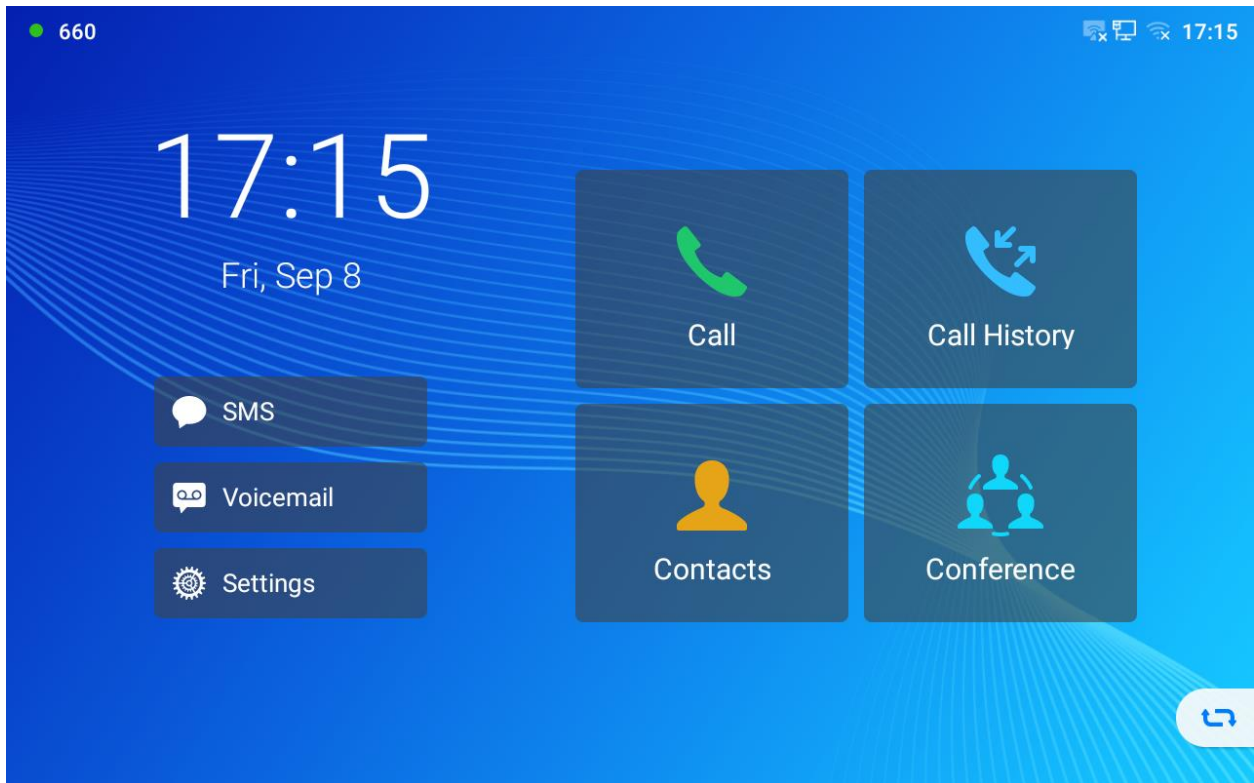
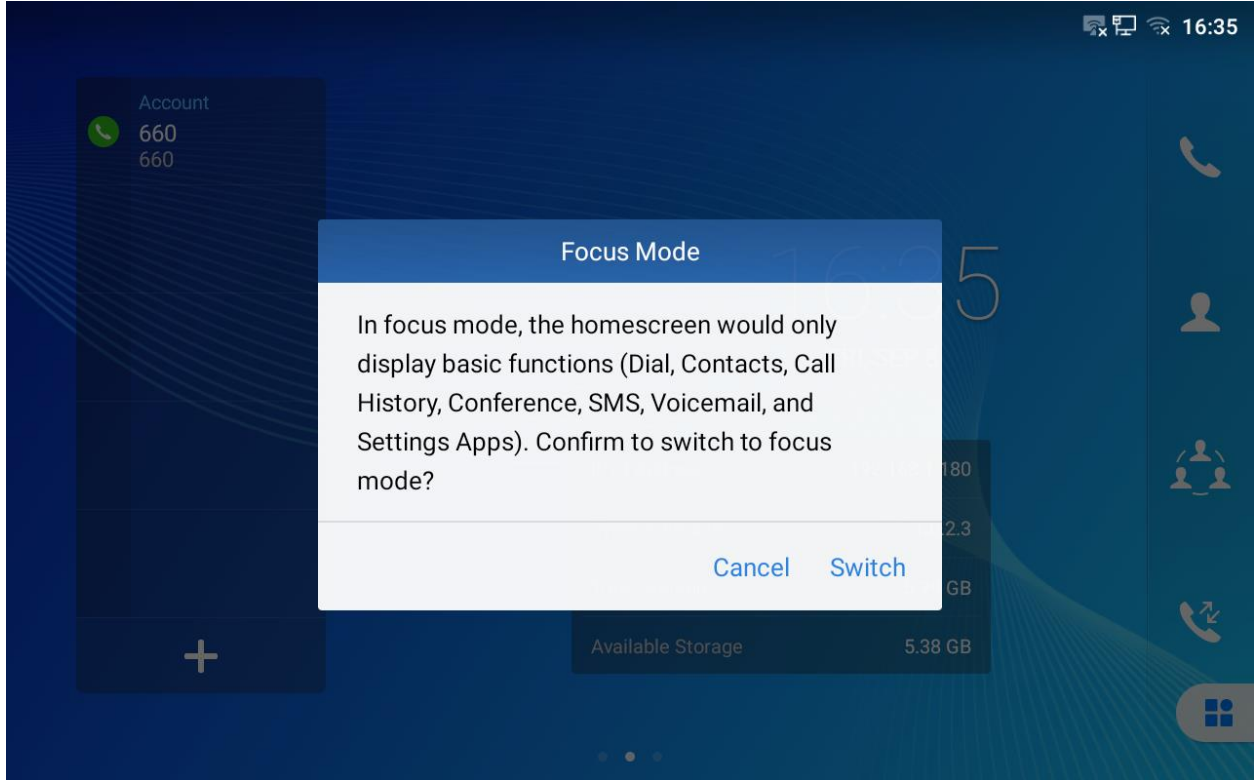
This feature allows the device to receive broadcast SMS from UCM server. Below is the message prompt.



**FOCUS MODE**

This feature allows the user to access limited apps on LCD. Users can also click the lower right button on LCD to switch back to standard mode.





## REMOTE PHONEBOOK

The feature allows the user to import the phonebook from other servers. It is under web UI -> Applications.

Remote Phonebook

	Name	URL	Username	Password
Phonebook 1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="password"/>
Phonebook 2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="password"/>
Phonebook 3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="password"/>

Remote Phonebook Update Interval (m) ?

## SCREENSHOT CONTROL

This feature allows the user to enable or disable taking screenshot via long pressing the Home softkey. The setting is under web UI -> System Settings -> Preferences -> Peripherals Interface Management.

Enabled Screenshot ?  i

## CALL SWITCH

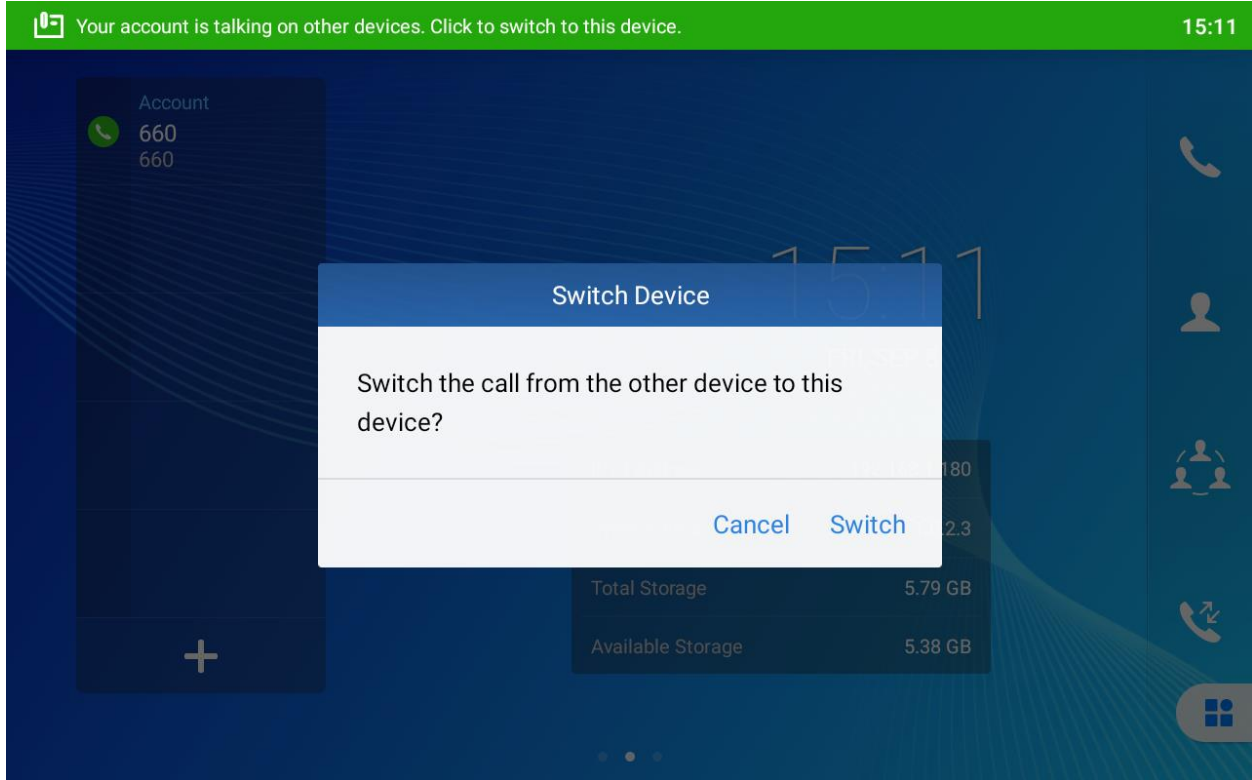
This feature allows the user to switch an ongoing call between different devices or apps. When the user answers a call from such as Wave app on cellphone or PC, the LCD would display a notification on the top to allow switch the call to the device. After switching, the call on original device will be terminated.

Supported scenarios: 1) When the account is in a 2-way call or UCM conference. 2) When the account is in an audio or video call.

Not supported scenarios: 1) When the account is having multiple exclusive calls with different users. 2) When the account is the host of a local conference call.

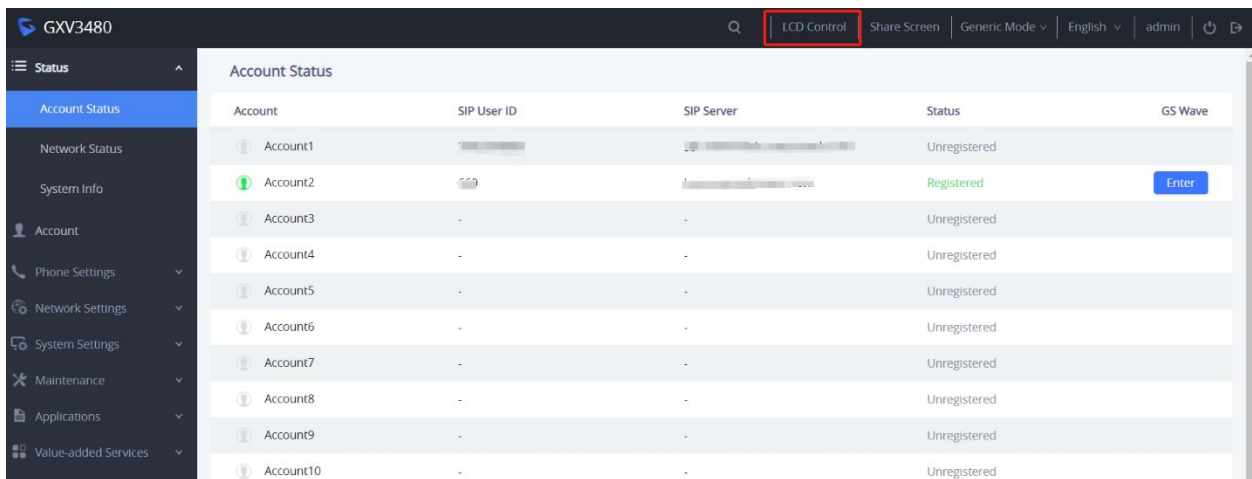
Switch methods: 1) Tap on the top of the device LCD. 2) Dial feature code \*46 (or configured by UCM server).

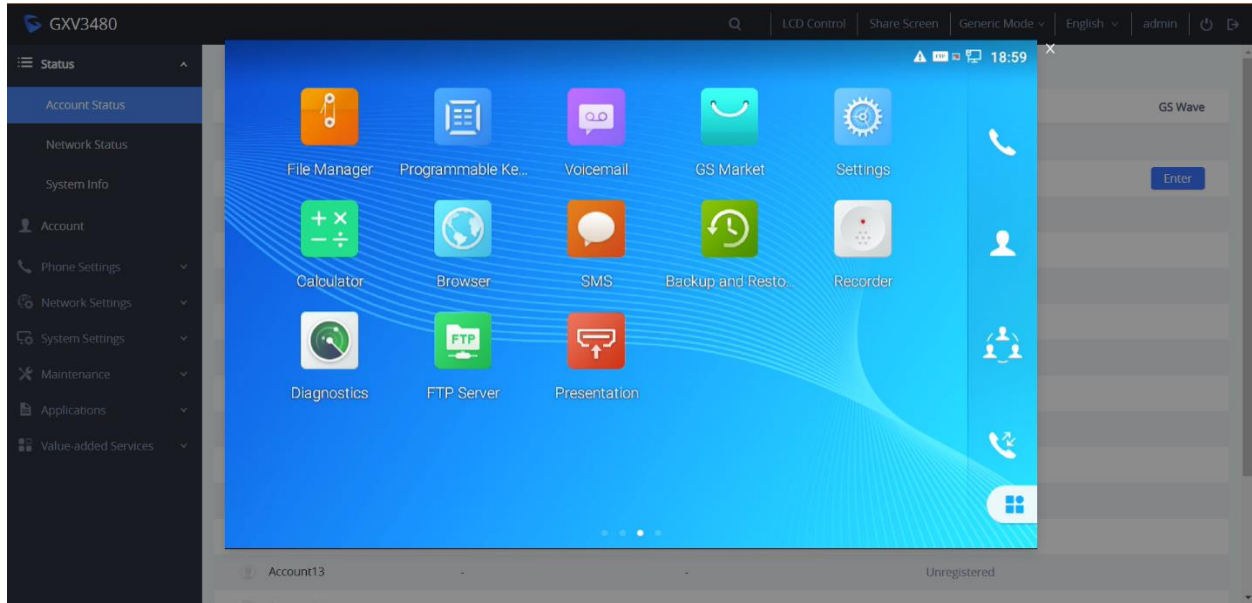




## WEB CONTROL LCD

This feature allows the user to control the LCD operation from web UI. The mouse click and dragging works as tapping and swiping. The “LCD Control” button is on the top of the web UI., shown as below. Then the device LCD interface would be synchronized in the web UI.





## ENTERPRISE DIRECTORIES

This feature allows the user to connect to Huawei UC2 server to access the enterprise directory. The setting is under web UI -> Application -> Enterprise Directories.

### Enterprise Directories

Enable Enterprise Directory ?

Server Type ? UC2

Server Address ?

Enterprise Directory Auth Type ? LoginAuth

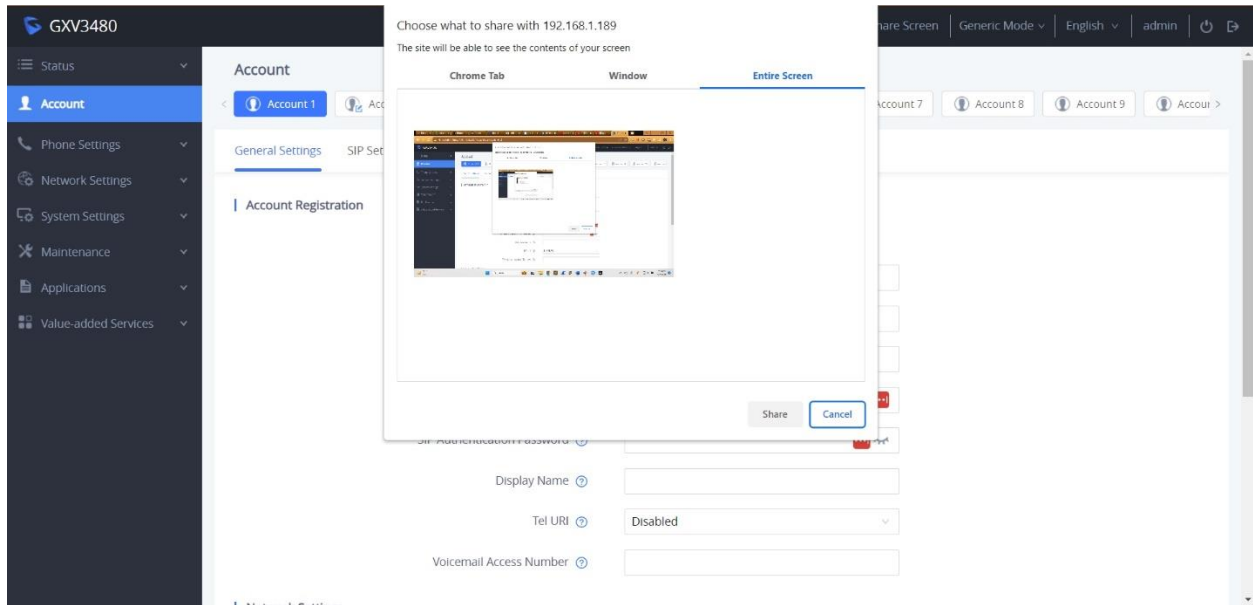
Username ?

Password ?

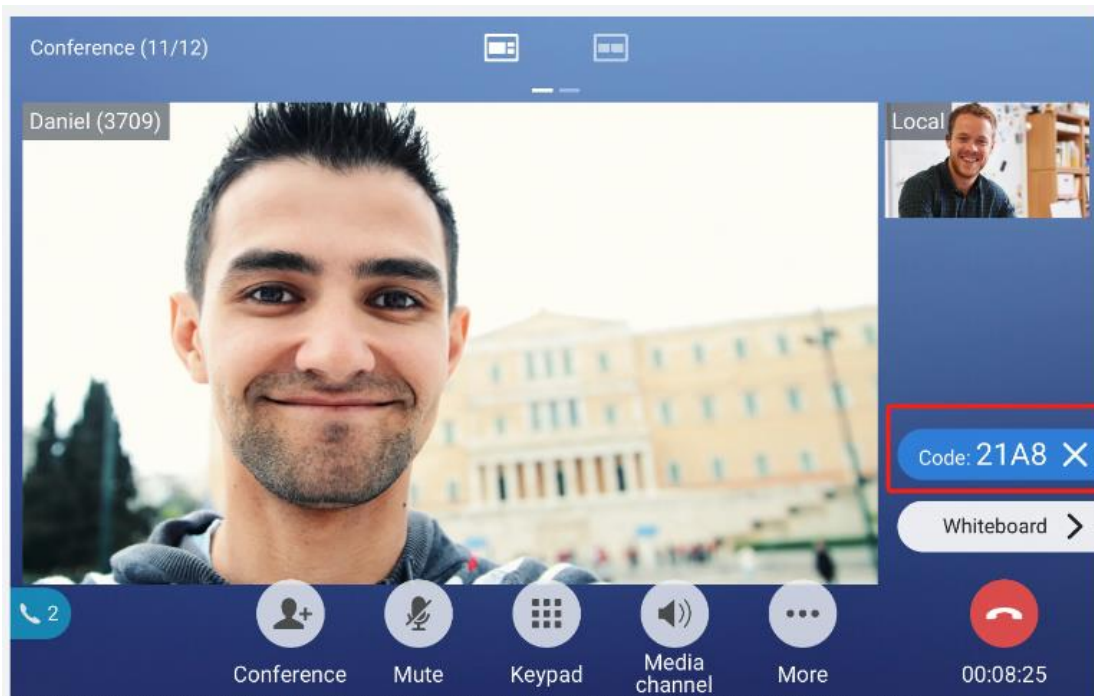
Save
Reset

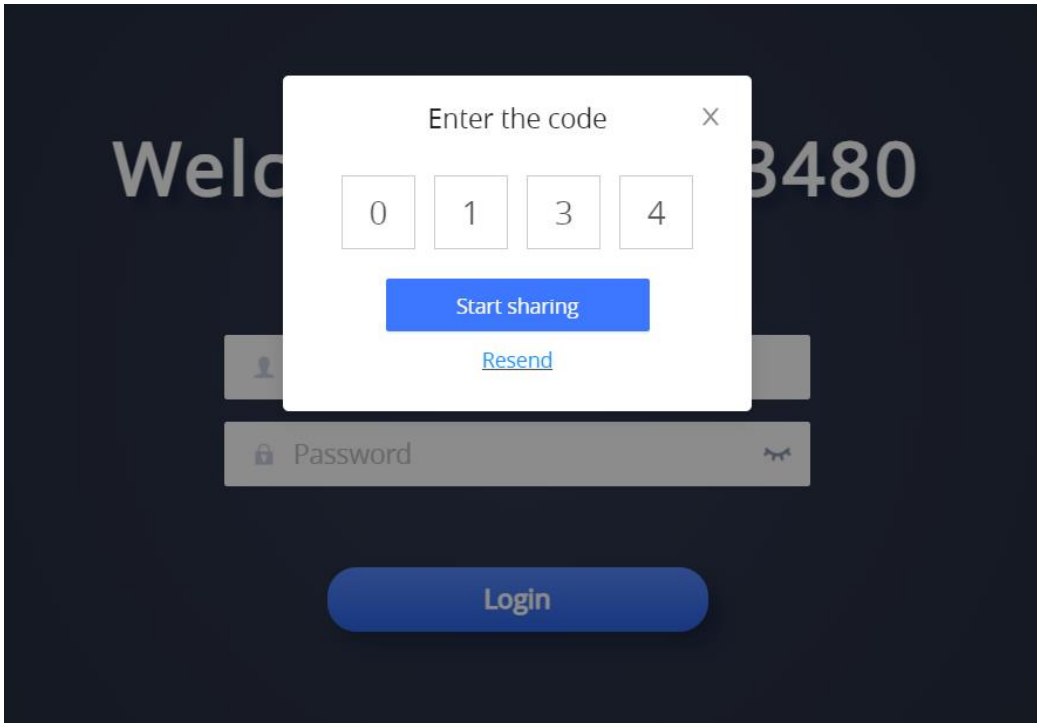
## SHARE SCREEN

This feature allows the user to cast the presentation from a PC to the other side. After logging in the web UI as administrator, click on the web UI -> Share Screen on the top right, and select an interface from the tabs. Then the other side would display the PC interface in the video call.

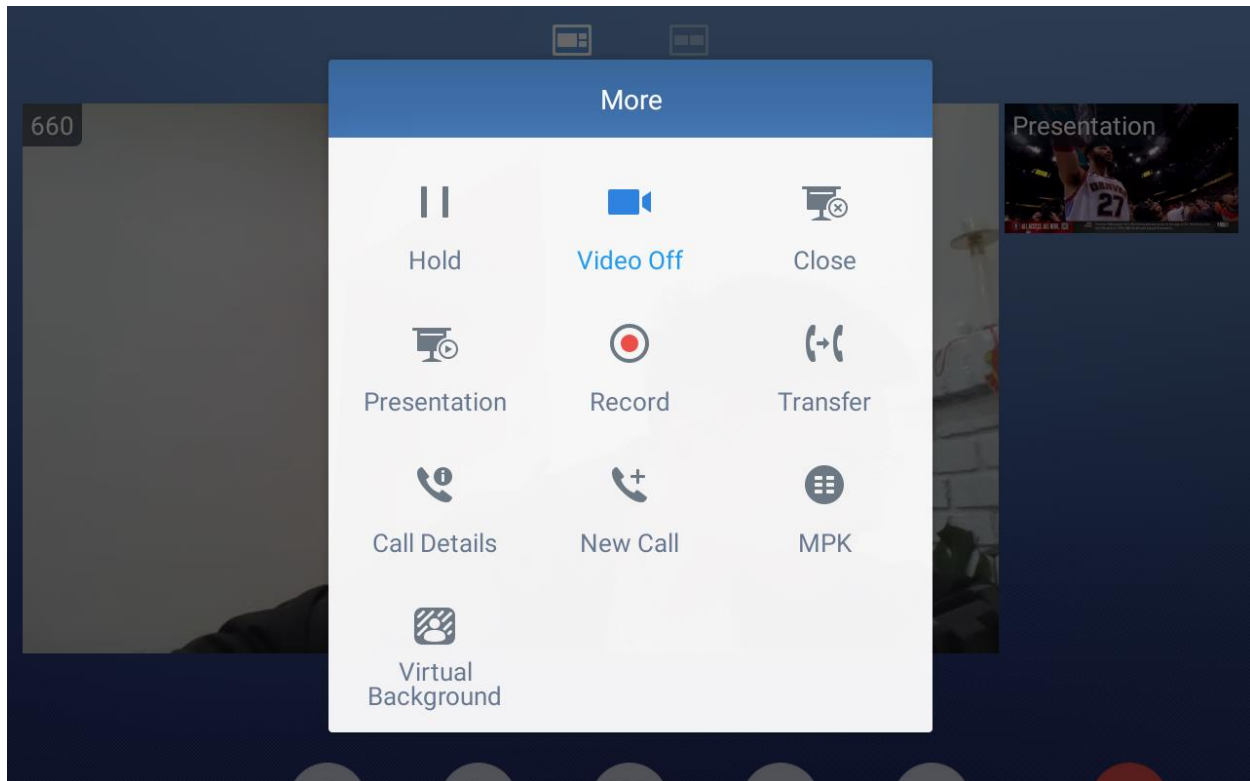


User can also share screen without logging in web UI. On the web UI login page, click “Share Screen” and enter the code from GXV34xx LCD.





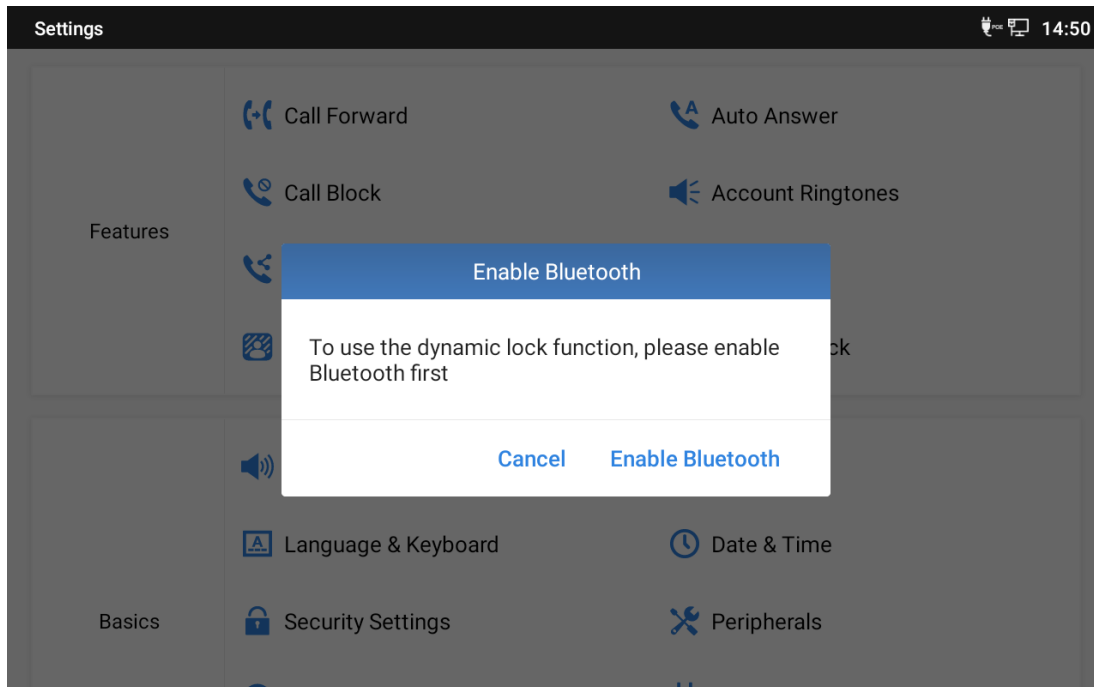
Click “Stop Sharing” on web UI top right or LCD -> More -> “Close” to stop screen sharing.



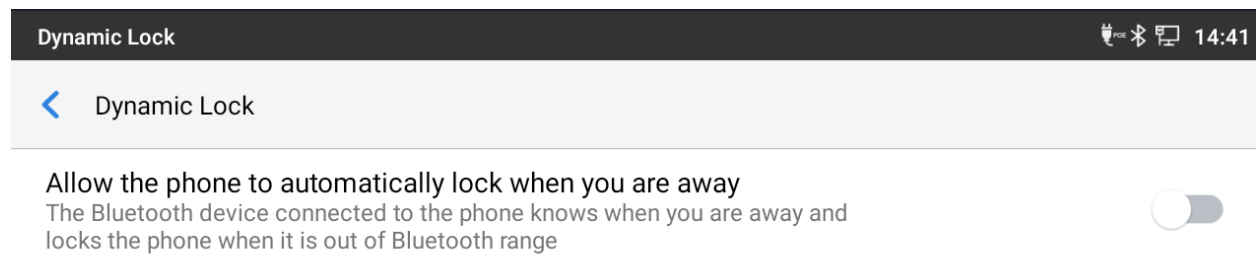
### **DYNAMIC LOCK**

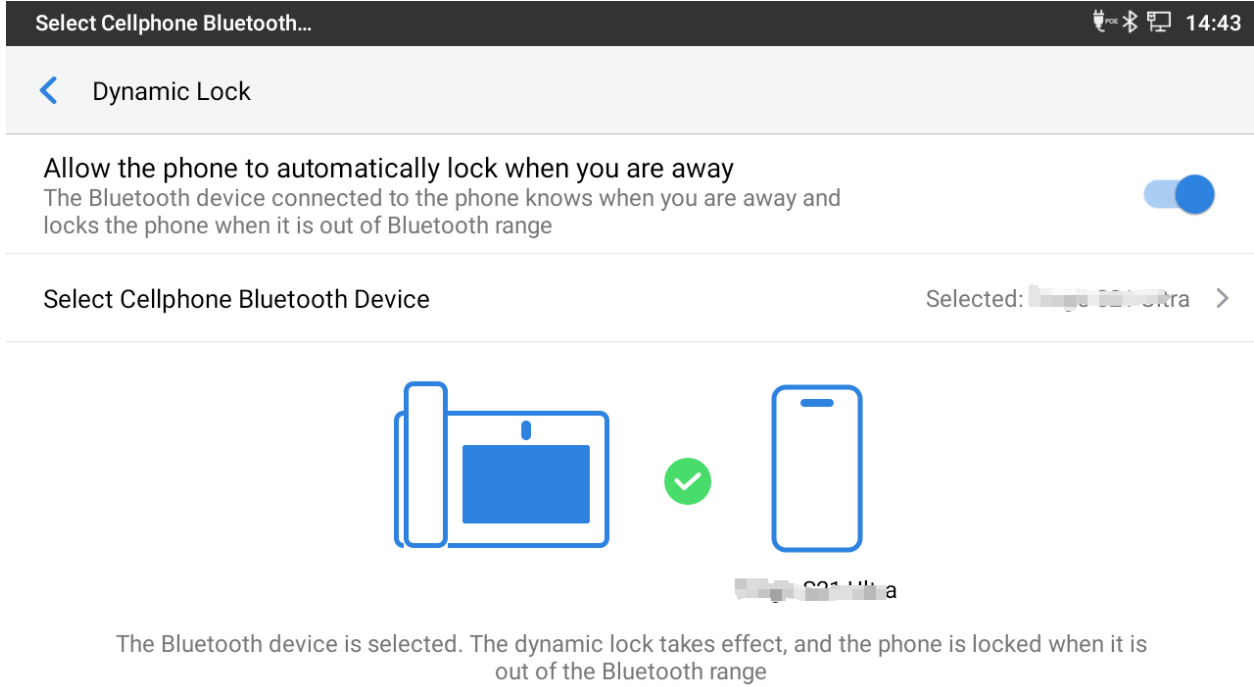
This feature allows the user to automatically lock the device when a device such as cellphone is out of the

Bluetooth range. The feature is under LCD -> Settings -> Features -> Dynamic Lock. Bluetooth and screen lock need to be enabled.



Then enable the dynamic lock settings and Bluetooth connect a device.

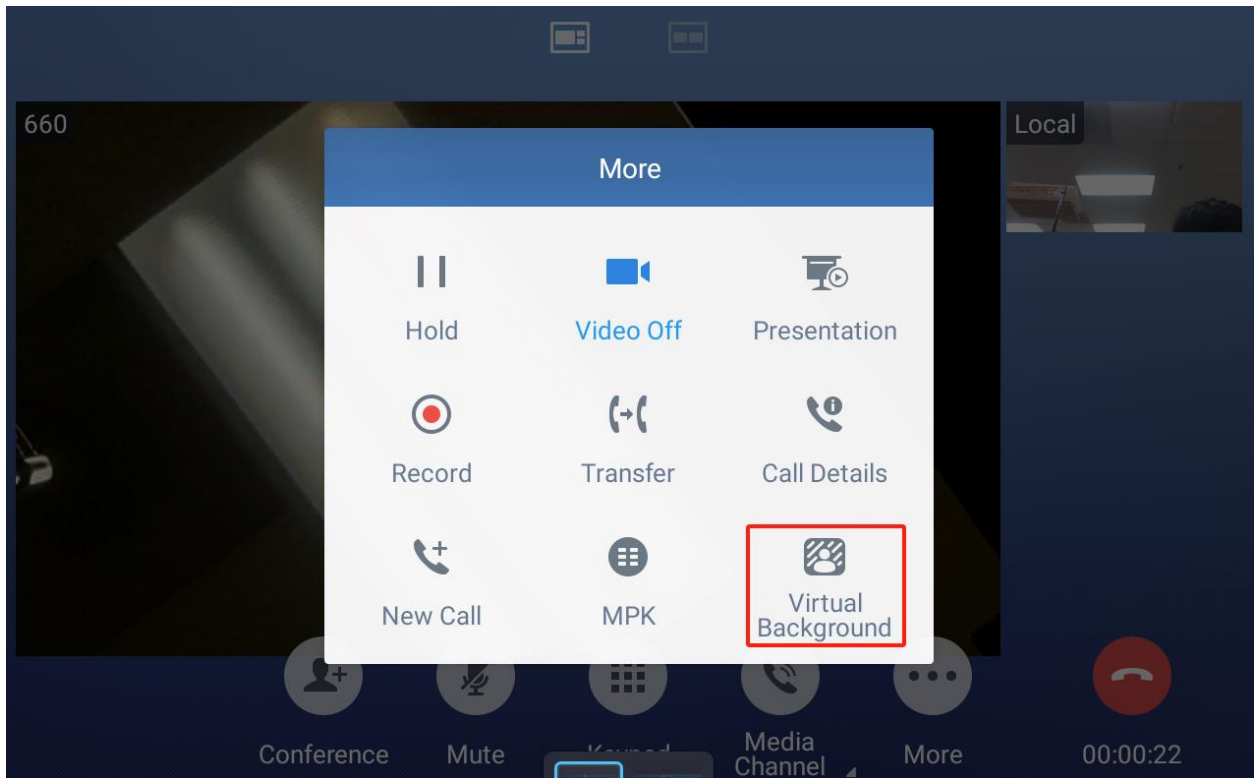




**VIRTUAL BACKGROUND**

This feature allows the user to configure the default virtual background for video calls. On LCD, the setting is under Setting app -> Features -> Virtual Background.

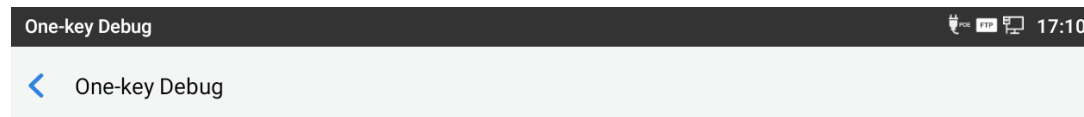
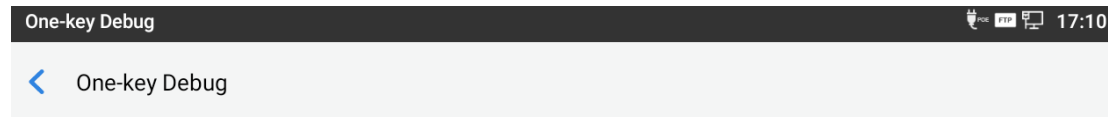
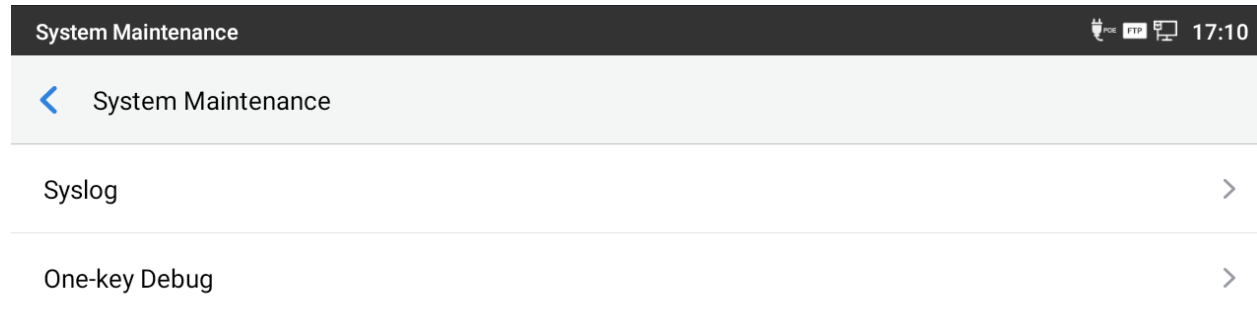
During a video call, the user can also click “More” -> Virtual Background to select one.



## ONE-KEY DEBUGGING

This feature allows the user to gather information for troubleshooting from LCD. From LCD -> Settings -> Advanced -> System Maintenance -> One-key Debug. After inputting admin password, the debug will start automatically. The debug file can be found in File Manager -> All tab -> Internal Storage -> DebugInfo folder.

In Zoom Mode, the log can be downloaded from web UI -> Maintenance -> System Diagnostics -> Debug.



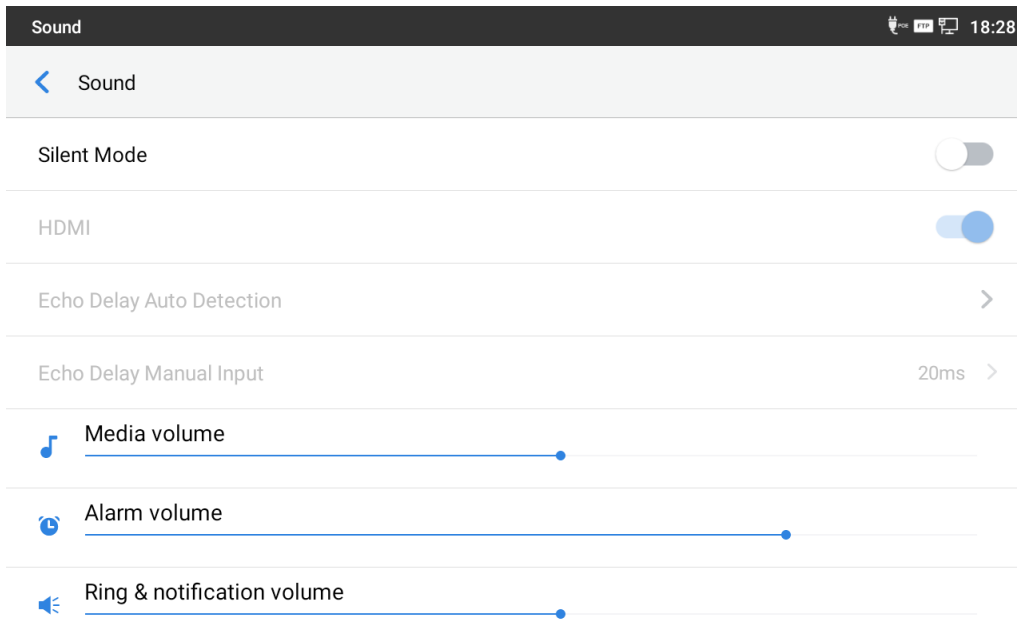
Debugging...



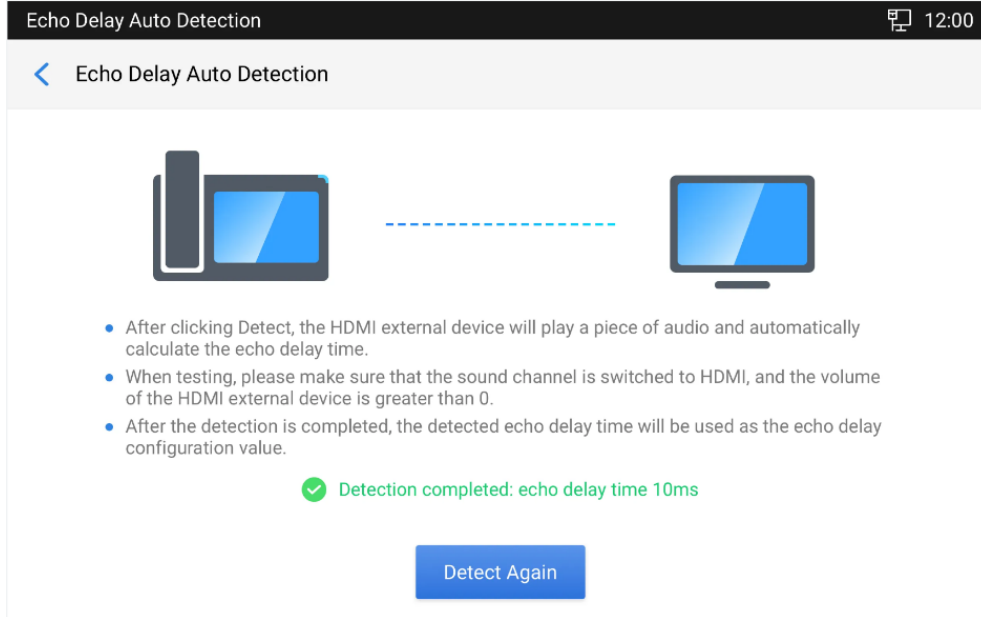


### ECHO DELAY ADJUSTMENT

This feature allows users to adjust echo delay when the device is connected to a media output via HDMI cable. The settings is under LCD -> Settings app -> Sound. It will be enabled after HDMI OUT is connected. This feature can neutralize the echo generated by speaker and mic on difference devices. When using “Manual Input”, the range is 20 – 190 ms. Auto Detection result would override the manual input.



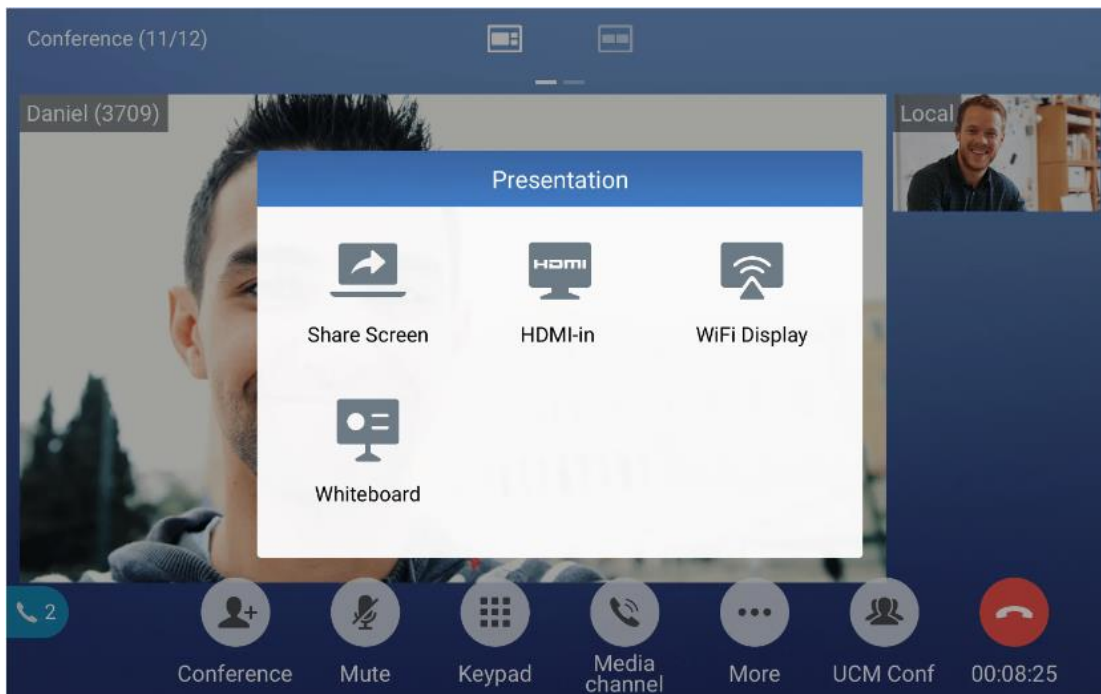


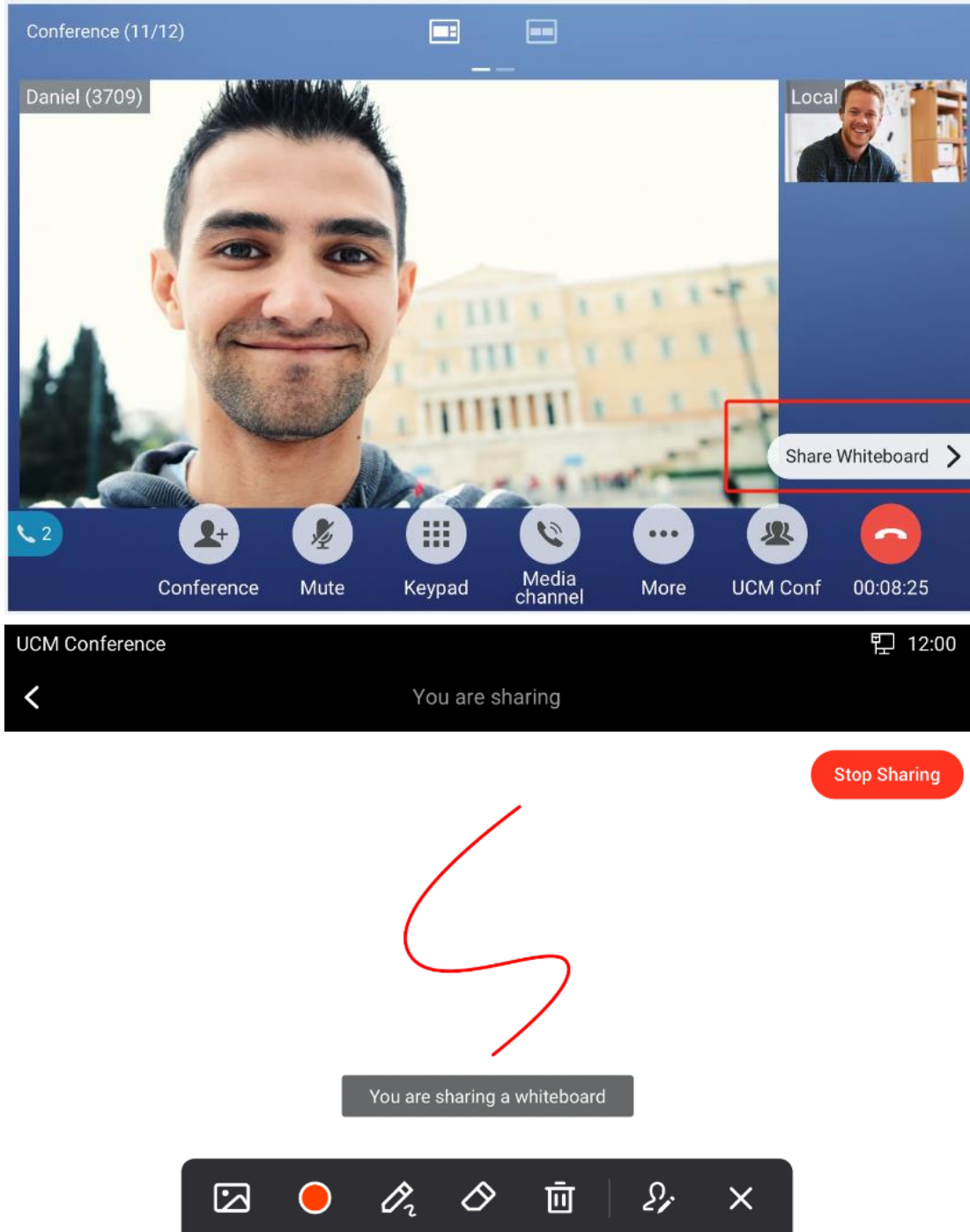


## WHITEBOARD

This feature allows UCM user to collaborate with others using a whiteboard in a conference. Whiteboard feature is only supported in UCM conference calls. Sharing whiteboard feature is only supported on GXV3480.

During the UCM conference, click “More” -> “Presentation” -> “Whiteboard” to send out the display request.





### SCHEDULED TASKS

This feature allows the device to function differently for different time period such as inside or outside the work hours. The feature is under web UI -> Maintenance -> Schedule Tasks. The user can configure reboot, LCD lock or call forward for a period, either repeatedly or not.

### Scheduled Tasks

Working Time ⓘ 01:00 -- 23:00 +

**Save** **Reset**

**Scheduled Tasks**

**+ Add** **Delete**

<input type="checkbox"/>	Index ID	Type	Target Number	Account	Repetition period	Effective Time	Operate
<input type="checkbox"/>	1	Scheduled Reboot	-	-	Every day	00:00	
<input type="checkbox"/>	2	Scheduled Lock	-	-	No repeat	Non-Working Time	
<input type="checkbox"/>	3	Scheduled Forward	777	660	No repeat	Non-Working Time	

**GXV3480** LCD Control | Share Screen

- Status
- Account
- Phone Settings
- Network Settings
- System Settings
- Maintenance**
  - Upgrade
  - System Diagnostics
  - Event Notification
  - Voice Monitoring
  - Scheduled Tasks**

### Scheduled Tasks

**+ Add** **Delete**

Index ID

Scheduled Tasks ×

Scheduled Tasks Type ⓘ Scheduled Reboot

Repetition period ⓘ

Effective Time ⓘ

**Scheduled Reboot**

Scheduled Lock

Scheduled Forward

**Cancel** **OK**

No Data

## FIRMWARE VERSION 1.0.1.33

### PRODUCT NAME

GXV3480, GXV3450, GXV3470

### DATE

09/05/2023

### FIRMWARE FILE INFORMATION

- GXV3480 firmware file name: gxv3480fw.bin  
MD5: b6393cf3d107d3858c959f01c5a1f026
- GXV3450 firmware file name: gxv3450fw.bin  
MD5: 9eea552862dc770e8d4ca0a996f63e64
- GXV3470 firmware file name: gxv3450fw.bin  
MD5: 1fbc6b5f29e2c32915224e5959002f2a

### CHANGES SINCE FIRMWARE VERSION 1.0.1.32

#### ENHANCEMENT

- Removed the default STUN server from web UI.

#### BUG FIX

- Fixed GXV3450 fails to display complete Send URL programmable key on web UI.
- Fixed GXV34xx does not display number and name in the Baudisch preview interface.
- Fixed Quickly Launch 3rd Party App cannot select an installed app.
- Fixed ringing from speaker does not work when the headset is connected.

## FIRMWARE VERSION 1.0.1.32

### PRODUCT NAME

GXV3480, GXV3450, GXV3470

### DATE

08/03/2023

### FIRMWARE FILE INFORMATION

- GXV3480 firmware file name: gxv3480fw.bin  
MD5: 2d246b628464719cacb320d8f9372699
- GXV3450 firmware file name: gxv3450fw.bin  
MD5: 8ced0b0e19749a99447de5092f82a2e1
- GXV3470 firmware file name: gxv3450fw.bin  
MD5: fa7f1f50083b9584355942724b70bdb6

### CHANGES SINCE FIRMWARE VERSION 1.0.1.29

#### ENHANCEMENT

- Supported GXV3450 pressing the transfer key can finish the call transfer.
- Supported up to 50 value-added services.
- Supported sorting LDAP result by number from web UI. [LDAP SORTING]

#### BUG FIX

- Fixed GXV3470 LCD flickering issue on boot up.
- Fixed GXV3450 fails to upgrade GBX20.
- Fixed device displays incorrect network information in SSH.
- Fixed device does not follow codec priority when receiving a call.
- Fixed device does not reset to default media channel after ending a Zoom call.
- Fixed device fails to adjust call volume from USB or Bluetooth headset in Zoom mode.
- Fixed some server connection issue in Zoom mode.

### NEW FEATURES OVERVIEW

#### LDAP SORTING

The settings allows the user to sort the LDAP contact results by number. It is under web UI -> Applications -> LDAP Phonebook -> Sort Results. P-value is 8033, and default is no.

## FIRMWARE VERSION 1.0.1.29

### PRODUCT NAME

GXV3480, GXV3450, GXV3470

### DATE

06/25/2023

### FIRMWARE FILE INFORMATION

- GXV3480 firmware file name: gxv3480fw.bin  
MD5: b895ee5a29d265f6806378d59f3ee1db
- GXV3450 firmware file name: gxv3450fw.bin  
MD5: 6065fc5d11f024c1051bfeb8145e6a80
- GXV3470 firmware file name: gxv3450fw.bin  
MD5: 2b2322efb4a8c6439e37de52584e50f2

### CHANGES SINCE FIRMWARE VERSION 1.0.1.21

#### ENHANCEMENT

- Updated some Zoom modules.
- Added security enhancements.
- Supported web API which is the same as GXV33xx API set.
- Supported new hardware version.
- Added support to remove the Settings button in the Taskbar via API [CONTROL SETTINGS BUTTON IN TASKBAR VIA API]
- Added option to enable/disable local camera [ENABLE/DISABLE LOCAL CAMERA]
- Improved text display during video calls.

#### BUG FIX

- Fixed device randomly plays notification sound in idle state.
- Fixed device GUI config file is not consistently applied when downloaded via different provision methods.
- Fixed Event Notification does not work when using HTTPS.
- Fixed Wi-Fi restriction issue when using presentation feature.
- Fixed device is not showing correct spacing in dialing screen for Contacts.
- Fixed cannot toggle off app's notifications.
- Fixed some registration keep-alive issue for the account.
- Fixed the starting and ending hour for automatic upgrade does not take effect after the provision triggered by Metaswitch server.

- Fixed device fails to cancel call waiting when Feature Key Synchronization is on.
- Fixed some issue in Zoom mode, such as icon not displayed when a headset connected, LCD does not hide all settings, etc.

## NEW FEATURES OVERVIEW

### CONTROL SETTINGS BUTTON IN TASKBAR VIA API

To control whether to display settings button on device taskbar, users could use below API commands to hide/display it and get the display status.

- Send broadcast to hide settings button:

```
Intent intent = new  
Intent("com.android.systemui.settings_button.visibility");  
intent.putExtra("visibility", false);  
sendBroadcast(intent);
```

- Send broadcast to display settings button:

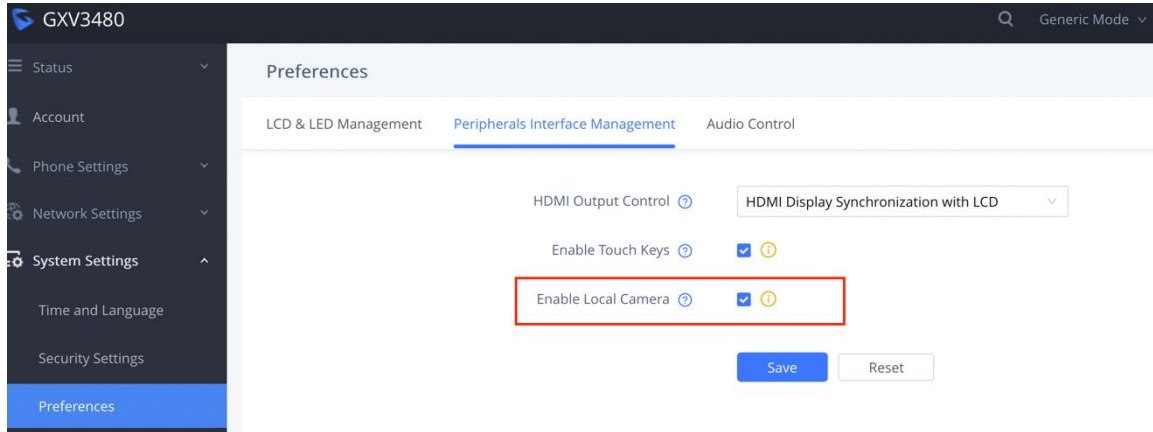
```
Intent intent = new  
Intent("com.android.systemui.settings_button.visibility");  
intent.putExtra("visibility", true);  
sendBroadcast(intent);
```

- Get hide status (1 – display; 0 – hide):

```
Settings.Global.getInt(getContentResolver(), "settings_button_visibility",  
0))
```

### ENABLE/DISABLE LOCAL CAMERA

The new option “Enable Local Camera” is added under GXV34xx device web UI->System Settings->Preferences->Peripherals Interface Management page. When it’s disabled, the camera cannot be turned on by any app for sending video. By default it’s enabled.



P value	Description	Value	Default Value
22236	Enable Local Camera	0 - No 1 - Yes	1

## FIRMWARE VERSION 1.0.1.21

### PRODUCT NAME

GXV3480, GXV3450, GXV3470

### DATE

03/08/2023

### FIRMWARE FILE INFORMATION

- GXV3480 firmware file name: gxv3480fw.bin  
MD5: 245d1848006a686776e2a53163c784d4
- GXV3450 firmware file name: gxv3450fw.bin  
MD5: ab4c2f178c12bcdadf101354e6020718
- GXV3470 firmware file name: gxv3470fw.bin  
MD5: 146d2a157f0f2183de2539573a0fad60

### CHANGES SINCE FIRMWARE VERSION 1.0.1.16

#### ENHANCEMENT

- Supported Zoom Mode. [ZOOM MODE]

#### BUG FIX

- Fixed device media channel change from disconnecting HDMI cable to speaker does not take effect.

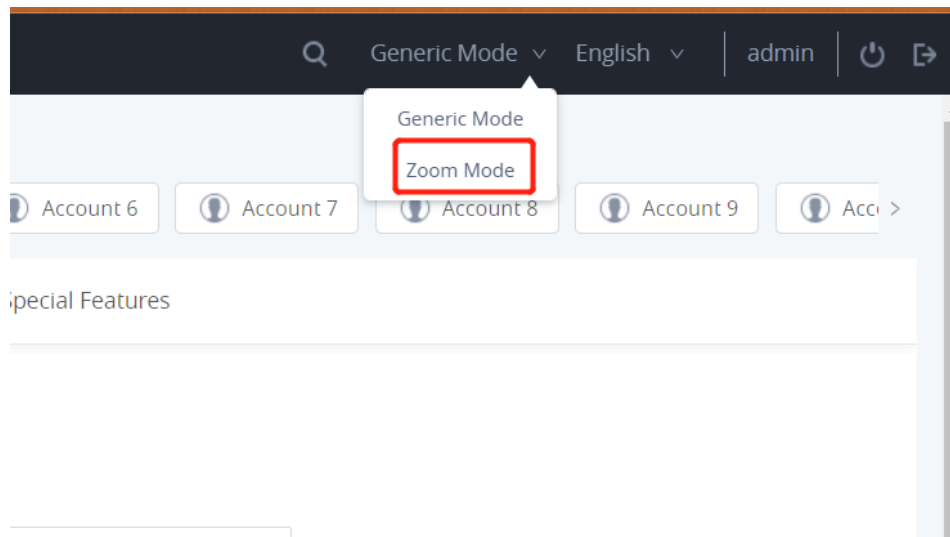


- Fixed device menu button display issue in a conference call after a rejection by an invitation.
- Fixed device crash issue when frequently answering a call.
- Fixed some web UI default settings issues after reset.
- Fixed device video call gets dropped automatically.
- Fixed device fails to retrieve Cust GUI file from GDMS cloud.

## NEW FEATURES OVERVIEW

### ZOOM MODE

The Zoom Mode is added to the web UI to integrate the device to Zoom app to the fullest. Switch to Zoom Mode from top right of web UI like below. The device will automatically start Zoom app. When enabled, only Zoom app runs on the phone.



## FIRMWARE VERSION 1.0.1.16

### PRODUCT NAME

GXV3480/3450/3470

### DATE

12/22/2022

### FIRMWARE FILE INFORMATION

- GXV3480 firmware file name: gxv3480fw.bin  
MD5: 245d1848006a686776e2a53163c784d4
- GXV3450 firmware file name: gxv3450fw.bin  
MD5: c46f0e8d8a4305c3caec3e2167949811
- GXV3470 firmware file name: gxv3470fw.bin  
MD5: 9741e73e4537e773db7b549586f04ba1

### CHANGES SINCE FIRMWARE VERSION 1.0.1.9

#### ENHANCEMENT

- Updated settings layout in web UI account settings.
- Added Save & Apply button for account settings.

#### BUG FIX

- Fixed device fails to send RFC2833 DTMF to all conference members.
- Fixed device displays incorrect information after being transferred by a contact.
- Fixed device displays incorrect information when adding LDAP contacts to a conference.
- Fixed device fails to retrieve custom GUI files uploaded to GDMS cloud.
- Fixed Contact app crash issue when selecting "Edit before Calling".
- Fixed missed call prompt does not disappear on clicking when there are multiple missed calls.
- Fixed device requests audio stream from RTSP link under Baudisch mode.
- Fixed some streaming issue for multicasting.
- Fixed some issue in Peripherals settings.
- Fixed device fails to detect USB after disabling PoE power restriction.
- Fixed Presentation app audio playing issue.
- Fixed device automatically ends the call when recording file size exceeds the limit.
- Fixed device does not send INVITE when attempt to retrieve a private-held call.
- Fixed device Backup app issues
- Fixed LCD display issue when RJ9 headset is connected.