

VIEW SMS

The SMS page displays the received and sent SMS list, which are classified by contacts names or numbers as well as sorted by the time receive or send SMS. Tap on one specific SMS entry to view the interaction with the details of the contact's message, as shown in figure 92 below.

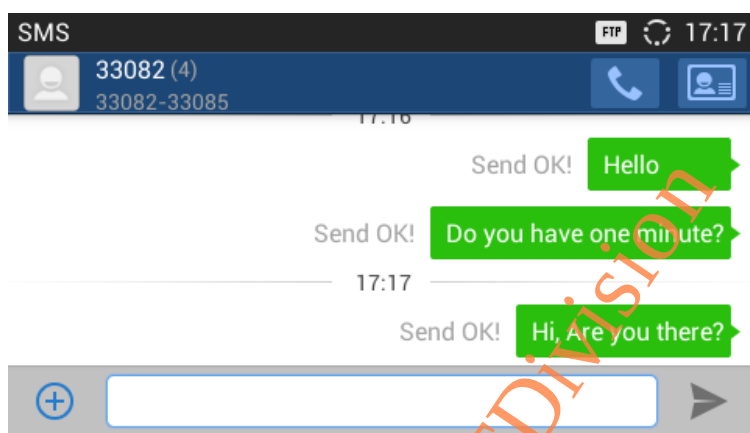


Figure 93 GXV3240 Send SMS

NEW SMS

Tap on  in the toolbar on the SMS page to access SMS draft page. See figure 93.

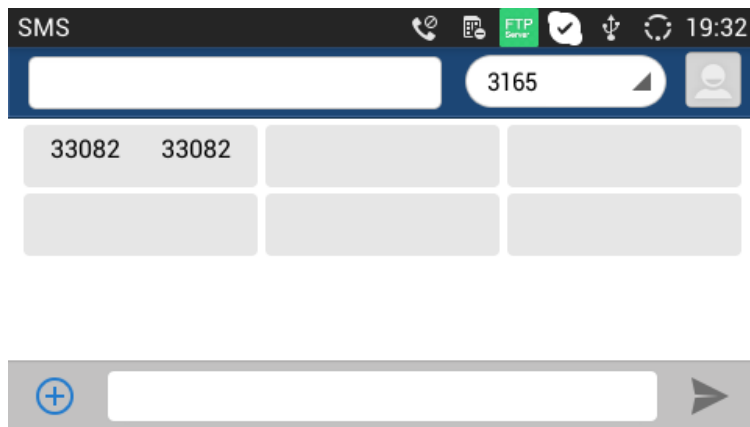


Figure 94 GXV3240 New SMS

1. Select the account to send SMS in the drop-down menu.
2. Add contact. GXV3240 supports adding contact from the Contacts as well as directly input phone number.
 - Input the number in the textbox then input comma to add another contact.
 - Press  to select contacts or groups from the Contacts.
3. Click the textbox below to bring out the intelligent keyboard.
4. Input the message via the keyboard then touch "Send".

MANAGE SMS

DELETE SMS

1. Long press one SMS to entry the editing mode.

2. Check the SMS you would like to delete and when it turns to blue background and the icon



indicates the SMS has been selected and click again to unselect the SMS. Users

could also tap on **1 Selected** on the upper left corner to batch select/unselect.

- Select all indicates selects all SMS in the list.
- Unselect all indicates unselect all SMS in the list.

3. Press  to delete the selected message.

RECORDER



Users could record conference, institution and personal notes via GXV3240 Recorder conveniently.

There is no time limit to recording time and the larger the available storage capacity is, the longer the recording time is. Users could also find the recording file in the recorder and listen to it.

Recorder	
NORMAL CALL	
20140227193307461 19:33:12	Duration 00:03
20140227193244103 19:32:51	Duration 00:07
20140227193236909 19:32:39	Duration 00:02

Figure 95 GXV3240 Recorder

NORMAL RECORDER

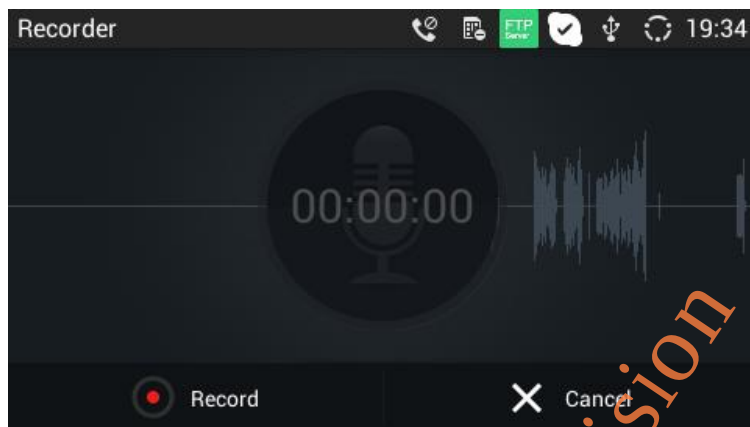


Figure 96 GXV3240 Normal Recorder

1. Tap on  to initiate recording.
2. Click "Save" to save the record file, click "Cancel" will bring out the dialog for users to confirm whether to save the file or not and to stop recording.

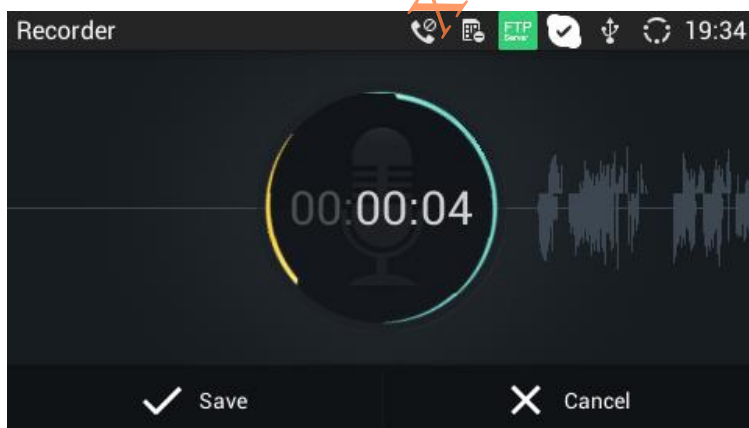


Figure 97 GXV3240 Normal Record-Recording

3. Go back to the Recorder page, select one recording file and click  on the right of the progress bar to play the file.

CALL RECORDER

In the process of an active call, the recording file will be saved on the phone. Users can only listen to it via Recorder. See figure 97 below.

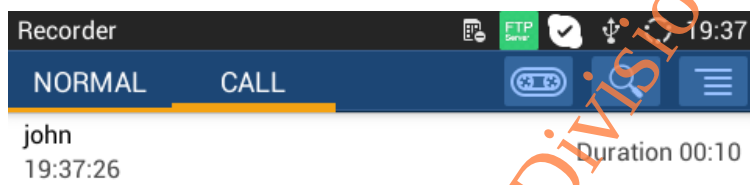


Figure 98 GXV3240 Call Recordings

IP LOCATION



Based on the IP address provided, the following information will be given: Country, Region and City.

See figure 98.

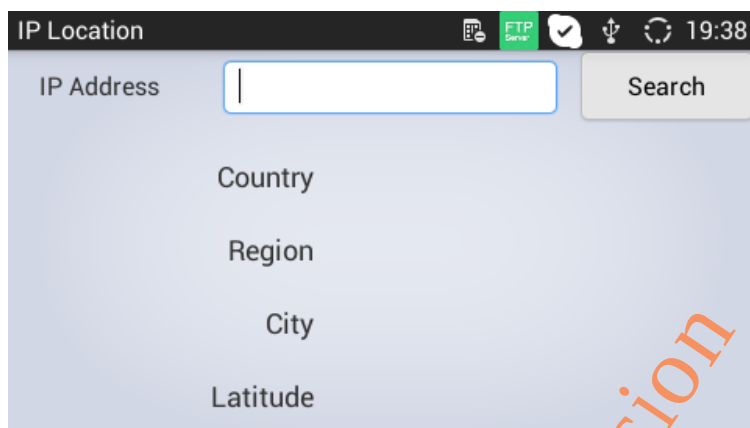


Figure 99 GXV3240 IP Location

DIAGNOSIS

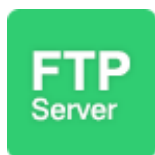


Users could make operation like LCD Diagnosis, Keypad Diagnosis, LED Diagnosis, Audio Loopback and Camera Test on GXV3240 via built-in Diagnosis app.

LCD Diagnosis
LCD Off
Keypad Diagnosis
Touch Screen Diagnosis
LED Diagnosis
RI F Expansion Board Diagnosis

Figure 100 GXV3240 Diagnosis

FTP SERVER



GXV3240 supports file transfer via FTP server. As shown in figure 100. Users can tap on “Start FTP Server” to activate it.

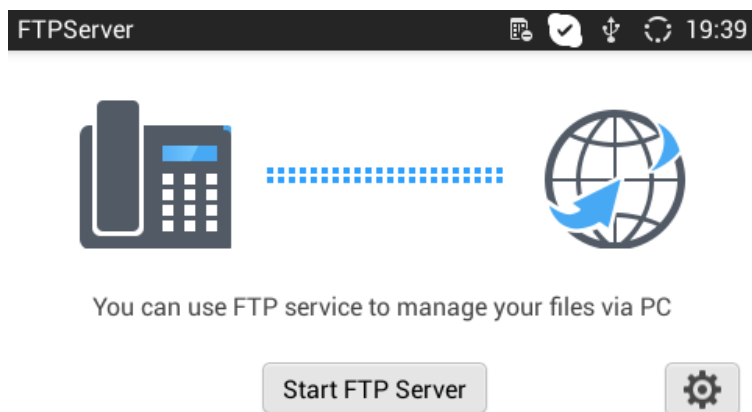


Figure 101 GXV3240 FTP Server

Once enabled, the field is shown in figure 101. Input the FTP address in the browser on the computer. i.e., ftp://192.168.124.136:2121/

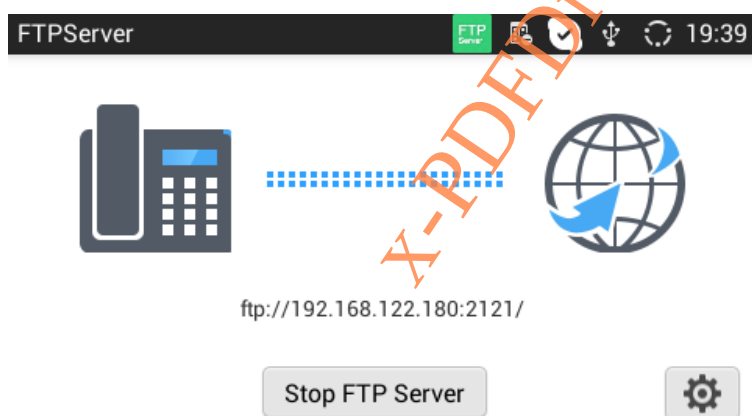


Figure 102 GXV3240 FTP Server- Start FTP Server

Before start the FTP server ,you can tap on  on the lower right corner of the page to access the settings .You can set the username and password, port number and the file directory to login the remote server.

FTPServer

Settings

Enable username and password OFF

Username and password

Port Number 2121

Select Directory /sdcard

Figure 103 GXV3240 FTP Server Settings

X-PDFDivision

MULTIMEDIA

GXV3240 supports rich multimedia applications, users can play music and images on the device as well as surf the Internet to view news.

GALLERY



Gallery could be used to view pictures from GXV3240 internal storage. Click  in the main menu to enter gallery.



Figure 104 GXV3240 Gallery

- The image folder from GXV3240 local storage will present on the Gallery page in the form of thumbnails, click the specific folder to enter image list interface.
- Click  on the upper right to enable camera to take photos or videos.

Click the image folder to enter images list page, as shown in figure 104.

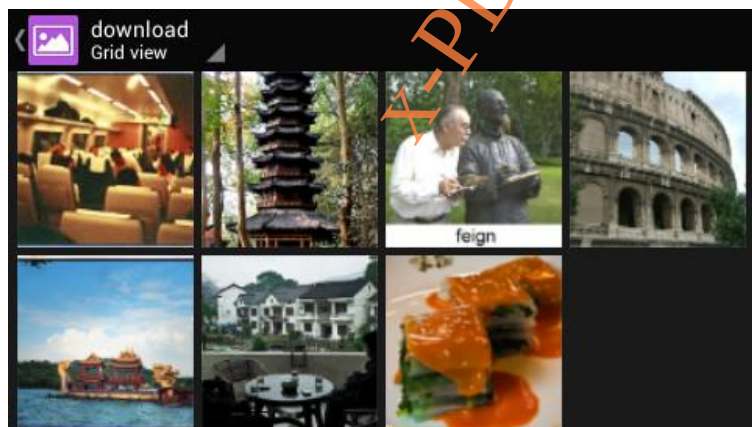


Figure 105 GXV3240 Gallery-Images List

- Tap the slider to the left or right to flip to view all the images.

- Two modes to display images: users could tap on the switch button on the upper left corner to view images via Grid or Slide.
- Click the specific image to view it in full screen mode. See figure 105.



Figure 106 GXV3240 Gallery- View Image in Full Screen

- Tap on the screen when the image is in full screen and click  on the lower left corner to edit the image. Users could add effect to the image as well as crop/rotate the image, ect.
- The second way is to click the Menu button to edit the image.

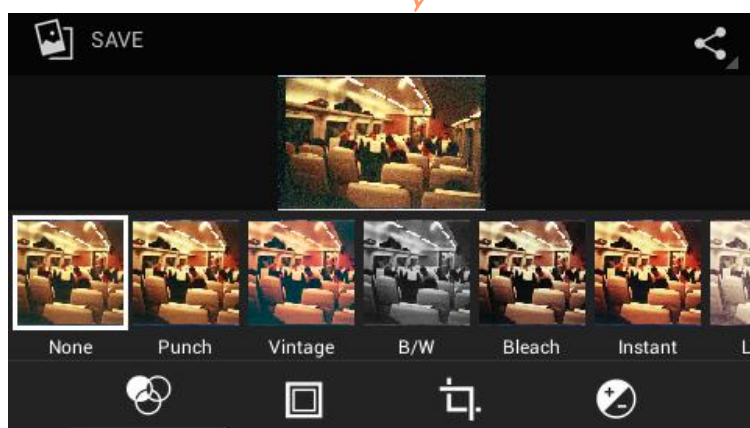


Figure 107 GXV3240 Gallery- Edit Image

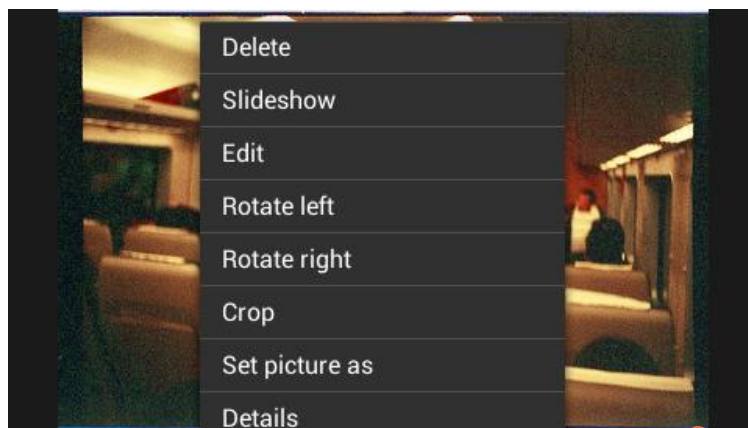


Figure 108 GXV3240 Gallery- Edit Image via Menu Options

- Zoom In/ out : Users could zoom in/out the image via finger gestures.
- Share: Click  on the upper right corner of the image to select one mode to send the image.
- Long press one image to enter the editing mode. Users could choose one or multiple images to make operations like send, delete and rotate.

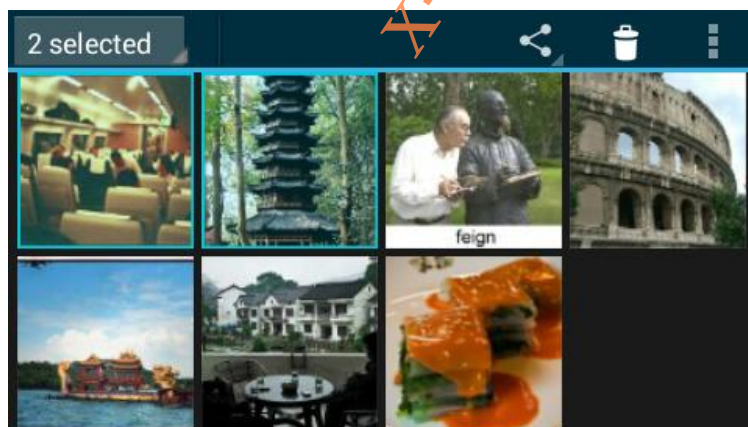


Figure 109 GXV3240 Gallery- Editing Image

BROWSER



Users could browse webpage, view news and watch video via the built-in GXV3240 Browser. Press on  in the main menu to open Browser.

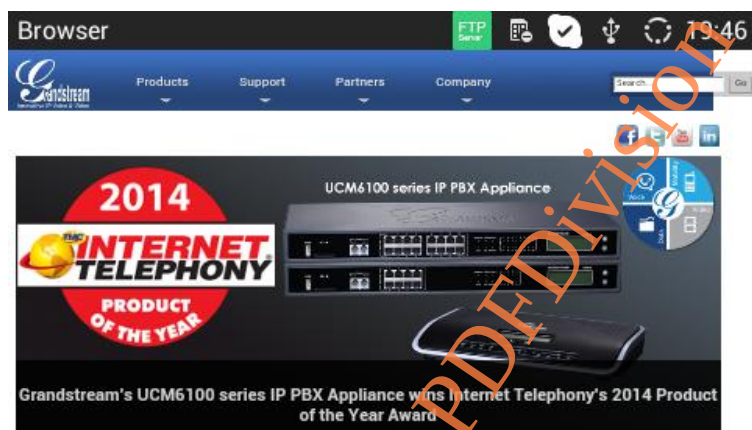


Figure 110 GXV3240 Browser

- Slide up and down with slide gesture to scroll the screen.
- Zoom in/out the page via zoom gesture.
- Press the menu button on the phone to open the menu bar for more operations. AS shown in figure 110.

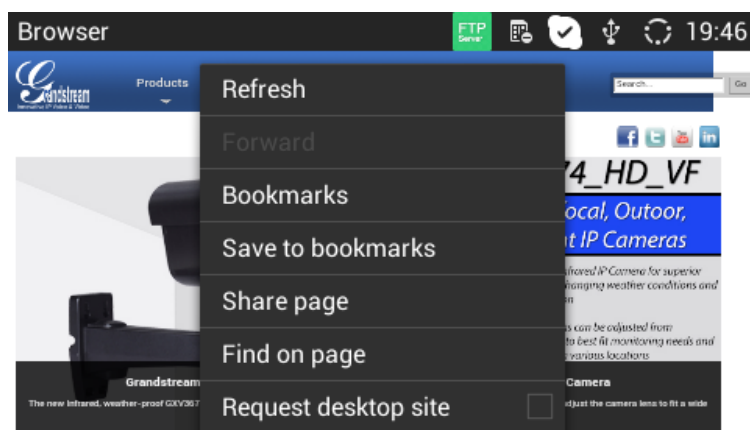


Figure 111 GXV3240 Operating Browser via Menu Options

MUSIC



Users could play the audio file on the phone or from the external storage. Press  in the main menu to enable Music.

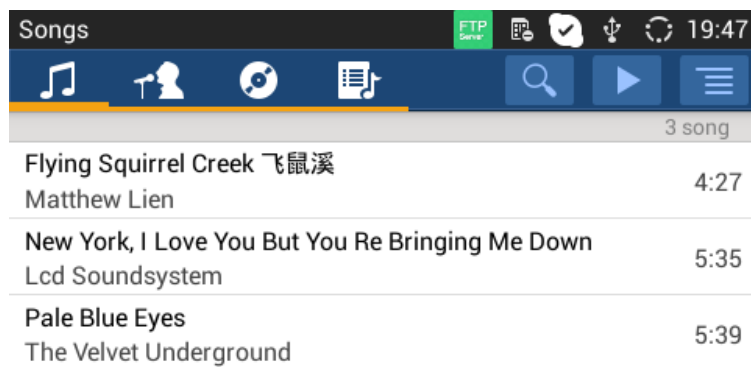


Figure 112 GXV3240 Music Interface

RSS NEWS

Rss News is a desktop widget with which users could view the latest news. When the phone is running on idle screen, click the Menu button and select Edit Widgets in the pop-up menu, find RSS News and drag it to the blank area of the desktop.



Figure 113 GXV3240 RSS News Widget

- Click the up/down arrow on the right of RSS News to flip up or down.

- Click the Refresh button on the left bottom of RSS News to refresh the news.
- Click the Settings button on the right bottom of RSS News to set up News Update Interval, Page-turning Intervals, Subscribe and RSS Feeds.

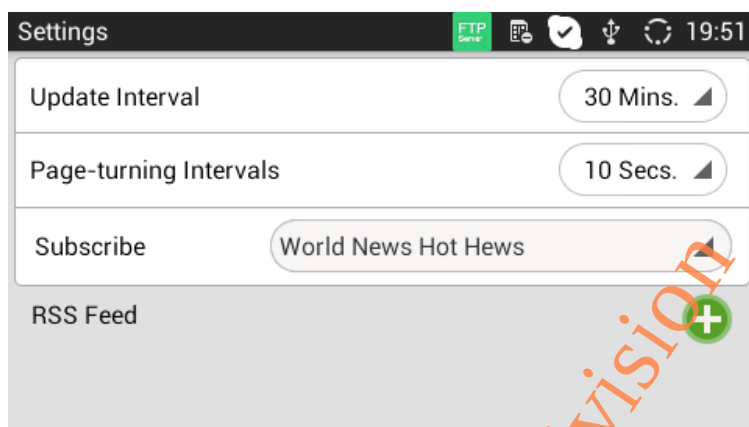


Figure 114 GXV3240 RSS News Settings

WEATHER FORECAST

Weather Forecast is a desktop widget with which users can view real-time weather information. The way to add it is when the phone running on idle screen, Click the menu button and select Edit Widgets in the pop-up menu items, find the Weather Forecast and drag it to the blank area of the desktop.



Figure 115 GXV3240 Weather Forecast Widget

- Click the Refresh button on the upper right corner to update weather data.
- Click other area on the widget field to enter the detailed interface, as shown in figure 119.



Figure 116 GXV3240 Weather Forecast- Details Interface

Users could set up Update, Share, Add City and other settings on the toolbar below the Weather Forecast detailed interface.

GS MARKET



GXV3240 provides direct access to apps via built-in GS Market app. Users could download the apps from the market and install to local.

VIEW APP'S DETAILS

Click  in the main menu to access GS Market.

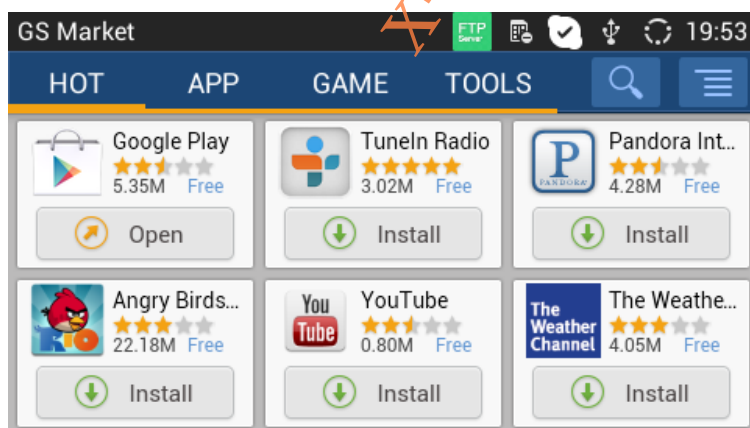


Figure 117 GXV3240 GS Market

Click the app icon to view details and users evaluation.

SEARCH APPS

Users could view the apps by category, or tap on  to bring out the textbox and input the keyword of the app to search.

DOWNLOAD AND INSTALL APPS

- Click  below the app to download and install it. The icon  will be shown below the downloaded app, click the icon to open the corresponding app.
- Tap on  on the upper right of the page to view the download apps and installed apps.

As shown in figure 117.

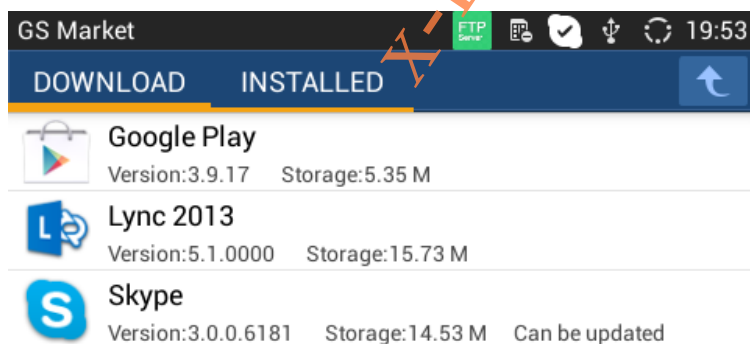


Figure 118 GXV3240 GS Market-Download

- The installing process will be automatically started after downloaded the app. Users could tap on Installed tab to view the installed apps, or uninstall the downloaded apps on this page.

UPDATE APPS

The GXV3240 will automatically detect if there is new version available for the installed apps to upgrade when the network connection is normal. User can view the relevant information and update apps on the Installed page, as shown in figure 118 below.

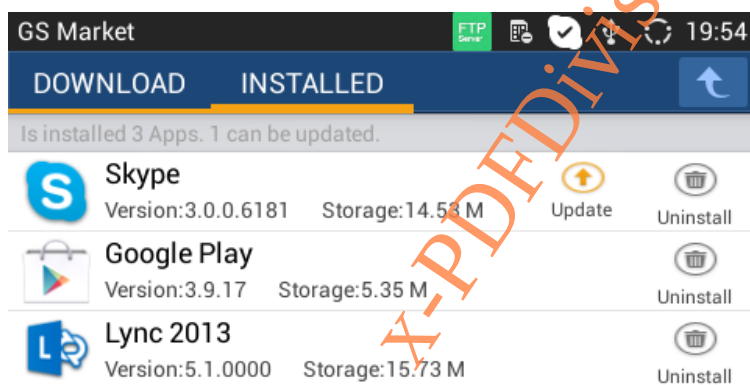


Figure 119 GXV3240 GS Market - Installed

CONNECTING TO NETWORKS AND DEVICES

NETWORK

Network connection has a variety of ways, one is wired connection via the cables, and the other way is to connect via Wi-Fi.

ENABLE ETHERNET

Follow the steps below to turn on Ethernet:

1. Insert the cable into the LAN port behind the phone then go to Settings and click Network to enter Network Settings.
2. Click Ethernet Settings and choose IPv4 or IPv6 to enter Settings.
3. Set the address type to static IP then set up the IP address and subnet mask.

DHCP

If there are no requirements for network, users could select DHCP to reduce the risk of network disconnection. The steps 1 and 2 to obtain DHCP are the same as the steps in Ethernet Settings.

Step 3 is to select DHCP.

ENABLE PPPoE

If the network is ADSL, users can connect to the network by means of dial-up. The steps 1 and 2 to enable PPPoE can be set following the steps above in Turn on Ethernet. Step 3 is to choose PPPoE to enter the corresponding Settings page and input the relevant account ID and password.

WI-FI

Please make sure that Wi-Fi has been turned on if users choose to use it for network connection.

ENABLE WI-FI

There are two ways to enable Wi-Fi:

- Go to Settings and tap on Network to enter Wireless& Network Settings page, tap on the Wi-Fi switch button to enable it.
- Click  to enable Wi-Fi in the drop-down status bar.

The phone will automatically connect to the available Wi-Fi once enabled, users need to go to Wi-Fi

Settings page to enter the password if the Wi-Fi requires password to login.

SEARCH AND ADD WI-FI

The phone will automatically search the available WI-Fi Within the effective range once enabled.

Tap on the SSID and input the right password in the pop-up dialog, click Connect to connect to the selected Wi-Fi.

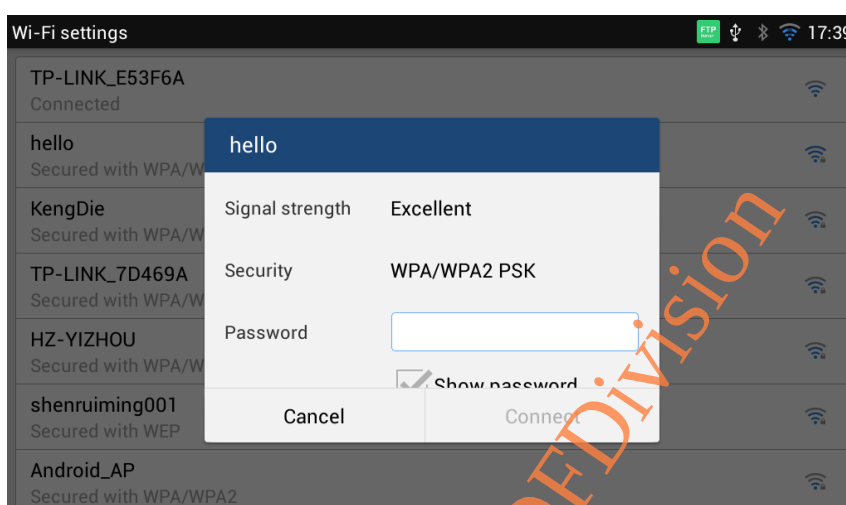


Figure 120 GXV3240 Wi-Fi Connection

BLUETOOTH

Users could use the Bluetooth to transfer files as well as make calls and listen to the music.

ENABLE BLUETOOTH

There are two ways to enable Bluetooth:

- Go to Settings and click Network to enter Wireless& Network Settings page. Click the switch to enable the Bluetooth.

- Click  to enable the Bluetooth in the drop-down status bar.

Users need to pair the Bluetooth after enabled it then put it into use.

BLUETOOTH SETTINGS

Users could set up whether all the discovered Bluetooth in range will show or not on the Bluetooth

Settings page once enabled the Bluetooth, the available detection duration is 2 minutes.

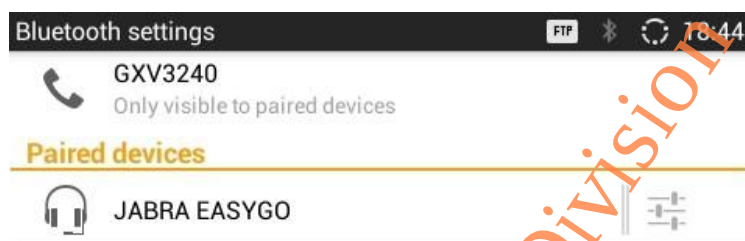


Figure 121 GXV3240 Bluetooth Settings

SEARCH AND PAIR BLUETOOTH

On the Bluetooth Settings page will display the IDs of all paired and available devices. If the device you would like to pair with does not show up in the list, you can manually search the Bluetooth devices nearby. Follow the steps below to search and pair the Bluetooth:

1. Tap on the Menu button and select Search Device in the pop-up menu.

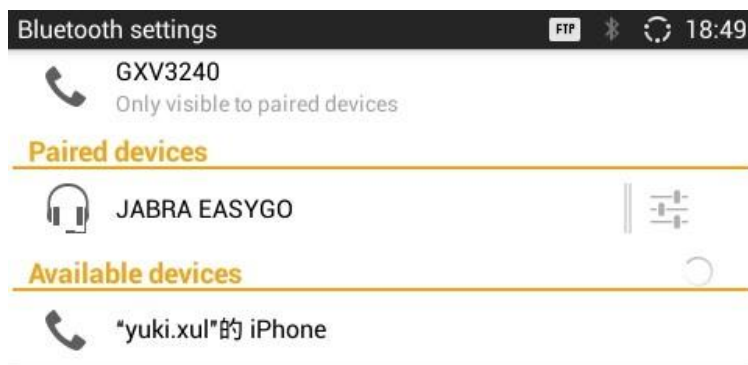


Figure 122 GXV3240 Search Bluetooth

2. Search for the device you want to pair in the Available Devices.
3. Tap on the device ID on GXV3240, The pop-up dialog is shown in figure 122:

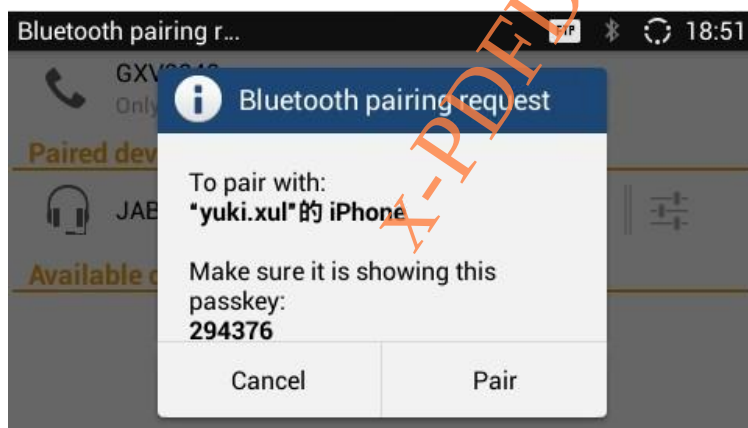


Figure 123 GXV3240 Pair Bluetooth

4. Tap on the Pair button to pair Bluetooth. This is a two-way operation, namely the Bluetooth that being requested to pair should accept the pairing request. Users could find the device ID in the Paired Devices after pairing successfully.

CONNECTING TO A BLUETOOTH DEVICE

Users could find the pairing Bluetooth in the Paired Devices. Tap on it to connect. The connected device will display the corresponding status.

Tap on  to unpair Bluetooth as well as rename and configure it.

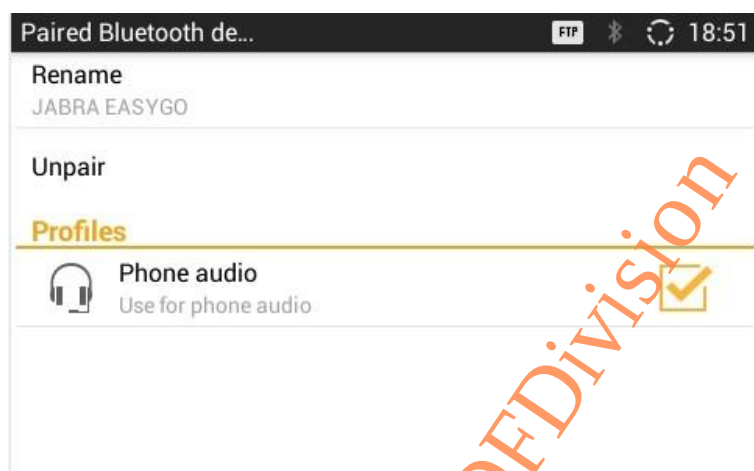


Figure 124 GXV3240 Bluetooth Device Settings

SEND FILES VIA BLUETOOTH

Users could transmit file and Contacts data via Bluetooth when the Bluetooth is connected successfully. Select one target device and click “Send” to transmit file. See figure 124.

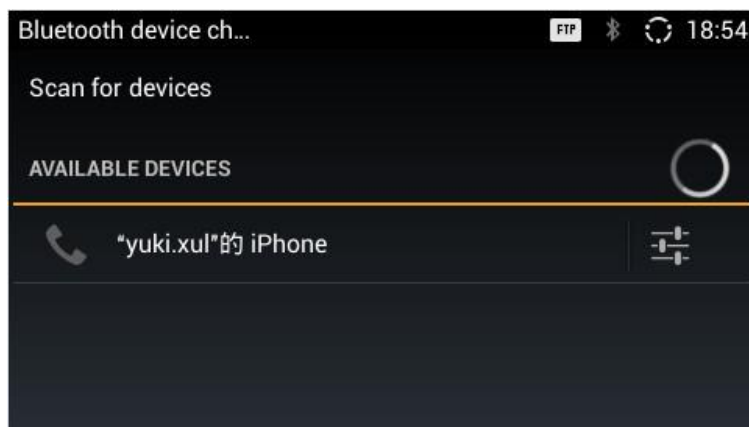


Figure 125 GXV3240 Send File via Bluetooth

The GXV3240 will display the following page as shown in figure 129 when receiving a request to transmit file. Click “Yes” to download the file under directory SD Card/Bluetooth.

Figure 126 GXV3240 Transmit File via Bluetooth

USE BLUETOOTH HEADSET FOR CALLS

•

Users could switch voice channel in the process of calls once Bluetooth headset is connected successfully. Refer to the chapter *Via Bluetooth* for details.

EHS HEADSET

Insert headset connector to into the LINE port on the back of GXV3240, a headset icon will show on the status bar as shown in figure 129. The EHS headset will ring synchronously when there is an

incoming call. Refer to the EHS Headset Manual for detailed operations. Refer to the chapter *Via EHS Headset* to learn how to switch EHS headset voice channel.

Click on http://www.grandstream.cn/Wenti_view.aspx?Id=110 to view headset compatibility.

EXTERNAL USB DEVICE

Insert the USB device to the USB port on the right side of the GXV3240, a USB device icon will show on the status bar. Users could also open the File Manager to view external USB drive status and the files stored in it. See figure 126.

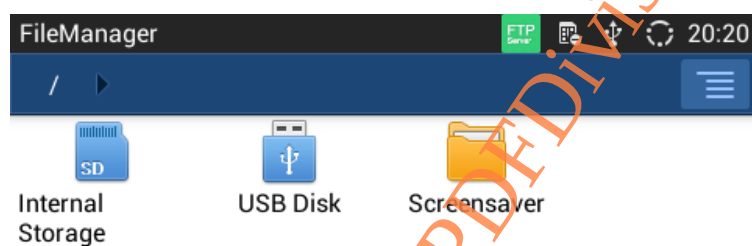


Figure 127 GXV3240 External USB Drive Status

EXTERNAL SD CARD

Insert the SD card to the SD port on the right side of the GXV3240, a SD card icon will show on the status bar. Users could also open the File Manager to view the external SD card status and the files stored in it. See figure 127.

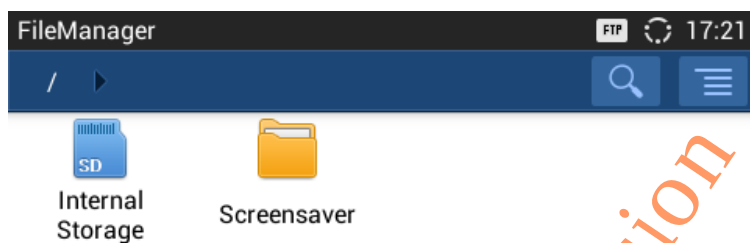


Figure 128 GXV3240 External SD Card Status

GXV3240 LCD SETTINGS

The GXV3240 LCD MENU provides easy access to the settings on the phone that making it more convenient to accommodate users' habits. There are two ways to Follow open Settings:

- Click  in the main menu.
- Press the Menu button  when the phone is running on Idle and select "System Settings" in the pop-up menu.

The Settings page is shown in figure 128.

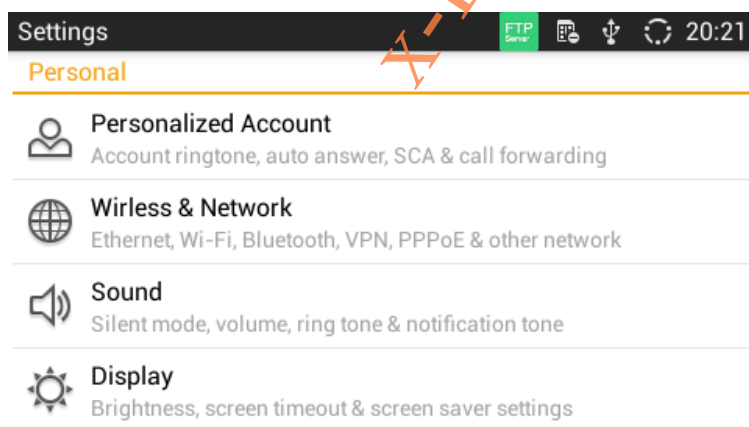


Figure 129 GXV3240 System Settings

PERSONALIZED ACCOUNT

Personalized Account allows users to set up varied ring tone and personalized features to each account. Go to Personalized Account page, tap on one account to set. The account will show up with registration status on the right side of the Personalized Account menu.

- **Ringtone:** Select ringtone for the incoming call. If choose Custom Ringtone, users could select the custom ringtone in the File Manager. Users could view the name of selected music files in the Ringtone Settings on LCD as well as Web GUI.
- **Auto-Answer:** Select whether to answer automatically for the incoming call. If set to "Always", the phone will enable the speaker automatically to answer the incoming call after it rings for the first time. If set to Enable Intercom/Paging or Select "Broadcast" in Feature Key Synchronization option in the Call Settings, it will answer the call based on SIP header info sent from the server/proxy.
- **Shared Call Appearance (SCA):** Select the shared-call-appearance (SCA) of the account, including whether to enable the shared account, whether to enable Barge-in, and whether to auto fill in the CallPark service code, set up CallPark service code and Seize Line timeout.
- **Call Forwarding:** Select the call forwarding features for the account.

WIRELESS & NETWORK

Users could configure network connection features via Wireless & Network.

- **Ethernet settings:** Set up a series of network parameters like DHCP.
- **Wi-Fi:** Check/uncheck to turn on/off Wi-Fi. The GXV3240 would automatically scan the available Wi-Fi and connect to it once enabled Wi-Fi.
- **Wi-Fi settings:** Set up and manage W-Fi access point.
- **Bluetooth:** Check/uncheck to turn on/off Bluetooth to connect the phone with other Bluetooth devices once enabled Bluetooth.
- **Bluetooth settings:** Set up relative parameters connecting to other devices via Bluetooth.
- **VPN:** Manage VPN.
- **OpenVPN:** Add new VPN configuration files
- **Proxy settings:** Set up proxy server.
- **Additional Network Settings:** Set up Qos and 802.1x mode.
- **Tethering and portable hotspot:** Set up portable Wi-Fi hotspot.

SOUND

Users could configure the GXV3240 ringtone, plays music and video and speak volume via Sound.

- **Silent Mode:** Check/uncheck to enable/disable silent mode. In the Silent mode, all applications will be set to mute other than alarm and media.
- **Volumes:** Tap on Volumes and scroll the slider to left/right to adjust the volume for Ringtone , Media and Alarm;
- **Ringtone.** Select phone's default ringtone for incoming call;

- **Notification tone:** Select notification tone for applications like SMS.

DISPLAY

Use Display to configure the screen display parameters like brightness and screen saver.

Brightness: Tap on Brightness and scroll the slider to left/right to adjust the brightness on the GXV3240 LCD;

Screen timeout: Tap to set the timeout interval before the LCD turns dark form idle screen.

Screen Saver: Set the parameters like screen saver images and interval.

Landscape screen: Set all screens landscaped.

STORAGE

Check the internal storage of the phone.

APPLICATIONS

Use the Applications to view the running details about the applications installed on the GXV3240, to manage applications and set permission for the installations. Slide left/right to view the download application and the size as well as running status of all applications on the phone and in the SD card, or manage the running applications.

LOCATION ACCESS

Set whether to let app to use Google location service to collect location data.

SECURITY SETTINGS

Set up the security parameters on the phone.

- **Screen lock.** Set up pattern or password for screen lock. Please set up the pattern with the Wizard.
- **Owner info.** Display owner info on the lock screen.
- **Display password.** The screen will display the input value when users input the password if check the option. Uncheck not to display the input value when input the password;
- **Device administrators.** Add or delete device administrators.
- **Unknown sources.** Check/uncheck to enable/disable permission to install applications that you obtained from web sites, email, or other locations other than GS Market;



Note:

It is recommended to download Apps from the GS market for the security of user's data.

- **Verify apps.** Disallow or warn before apps installation that may cause harm.
- **Trusted credentials.** Display trusted certificates or other certificates.
- **Install from SD card.** Install encrypted certificate from SD card.
- **Clear credentials.** Remove all certificates and reset the password.

LANGUAGE &KEYBOARD

- **Language.** Tap to open a list of language options.
- **Spell checker.** Configure whether to check spellings and select the available spell-checker tool.
- **Personal dictionary.** Add words to user dictionary.
- **Keyboard & input methods.** Set up the default input method.
- **Android keyboard (AOSP)** . Set up whether to use Android keyboard and configure Android keyboard.
- **Text-to-speech (TTS) output:** Set up TTS.
- **Moue/trackpad.** Set up the point speed.

ACCOUNTS

Accounts allows users to add Google account, Exchange account and email account. Users could also make sync settings via Google Play account or associated account on GXV3240.

The steps to add account can be set following the steps in chapter *Manage Contacts*.

The account can be synchronized with the following procedures once being added successfully:

- **Google Play.** Download Google Play from GS market, open it after the download. Google Play will automatically login with the added Google account.

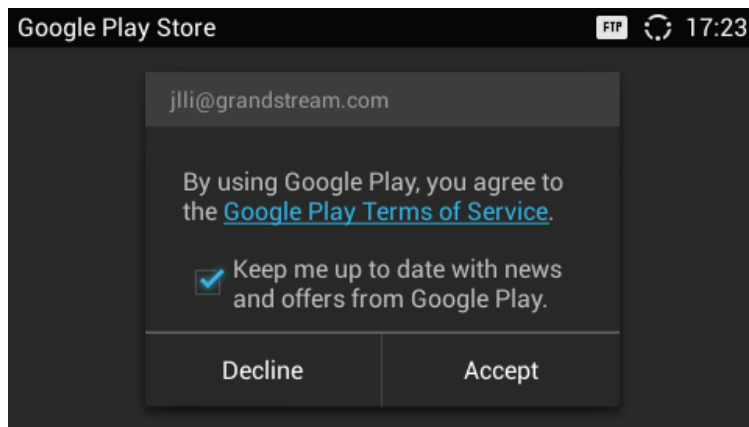


Figure 130 GXV3240 Google Play-Add Account

- **Contacts.** The contact synchronizes with Google account will show in the Contacts. Refer to the chapter *Manage Contacts-Account* for details.

DATE & TIME

- **Enable and Use Specified NTP Server Address.** Set the specified NTP server URL or IP address.
- **Set date.** Set the date on GXV3240 manually if not set auto sync.
- **Set time.** Set the time on GXV3240 manually if not set auto sync.
- **Select time zone.** Set the time zone on GXV3240.
- **Use 24-hour format.** Check/uncheck to display the time using 24-hour time format or not.
- **Choose date format.** Select the Month/Day/Year format.

ABOUT PHONE

About Phone displays the GXV3240's Account Status, Network Status and System Info.

- **Account status.** Displays the account name and registration status on the GXV3240.
- **Network status.** Displays MAC Address, IP Address info, ect.
- **System Info.** Displays the system version of the GXV3240.

ADVANCED SETTINGS

Users could open Advanced Settings to configure Account Advanced Settings, Upgrade, Syslog& Factory Reset.

- **Account.** Tap on "Account" and select one account to input the necessary information to register the account, which includes Account Activation, Account Name, SIP Server, ect. Save the settings to fulfill registration.
- **Upgrade.** Input the software info to upgrade via firmware server.
- **Syslog.** Select the syslog level and Syslog Server Address.
- **Factory Reset.** Restore the GXV3240 to factory default settings.
- **Developer mode.** Adjust the phone via ADB tool.

REBOOT

Reboot your phone.

GXV3240 WEB GUI

DEFINITIONS

This chapter introduces the GXV3240 Web GUI. As mentioned, you can log in as an administrator or a user.

- **Status:** Displays the Account Status, Network Status, and System Info of the phone;
- **Account (1-6):** To configure each of the SIP accounts. Including General Info, Network Settings, SIP Settings, Encoding Settings, Call Settings.
- **Advanced Settings:** General Settings, Call features, Video, Audio, MPK General Settings, MPK Settings;
- **Maintenance:** Network Settings, Time Settings, Web/SSH Access, Upgrade, Syslog, Logcat, Debug, Language, Webmaster, Contacts, LDAP and Device Manager.

ACCESSING GXV3240 WEB GUI

IP ADDRESS

Users could view the GXV3240 IP Address via Account widget on the screen as shown in figure

130.



Figure 131 GXV3240 Desktop Widget-Account

TO ACCESS THE GXV3240 WEB GUI

1. Connect the computer to the same network as the phone;
2. Open a Web browser on your computer, enter the phone's IP address in the address bar of the browser; for example: `http://192.168.124.111`;

The image shows the login interface of the GXV3240 Enterprise Multimedia Phone for Android. The background is a blue gradient. At the top, the text "GXV3240" is displayed in large white letters, followed by "Enterprise Multimedia Phone for Android" in smaller white text. Below this, there is a light blue rectangular box containing the login form. The form has three fields: "Username" with a text input, "Password" with a password input (masked with dots), and "Language" with a dropdown menu currently set to "English". A green "Login" button is positioned to the right of the language dropdown. A large, diagonal orange watermark reading "X-PDF-EDIVISION" is overlaid across the center of the image.

Figure 132 GXV3240 Web GUI-Login

3. Press the "Enter" button and input the administrator's login and password in the prompt box.
The default login name for the administrator is "admin". The default administrator password is set to "admin".
4. Select the language being used on Web page in the drop-down menu of the language bar.
Chinese and English are optional.
5. Click "Login" to access the Web GUI.

SAVE CHANGES

When changing any settings, always SUBMIT them by pressing  on the bottom of each

page or press the “Enter” Button, the Web browser will prompt to indicate having saved successfully.

For those options with  next to them, users must reboot the phone for the changes to take effect.

CONFIGURE WEB PAGE

GXV3240 WEB page includes Status, Account, Advanced Settings and Maintenance. Users could login the phone with varied username and the corresponding access permissions are DIFFERENT.

See table 8.

Table 8 Users Access Permissions

User Type	Username	Password	Access Permissions
End-user	user	Custom	Status, some basic settings in the Advanced Settings and Maintenance
Administrator	admin	admin	All Pages

TOOLBAR

The toolbar is on the upper right corner of the WEB page. As shown in figure 132.

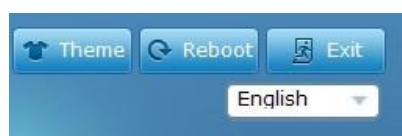


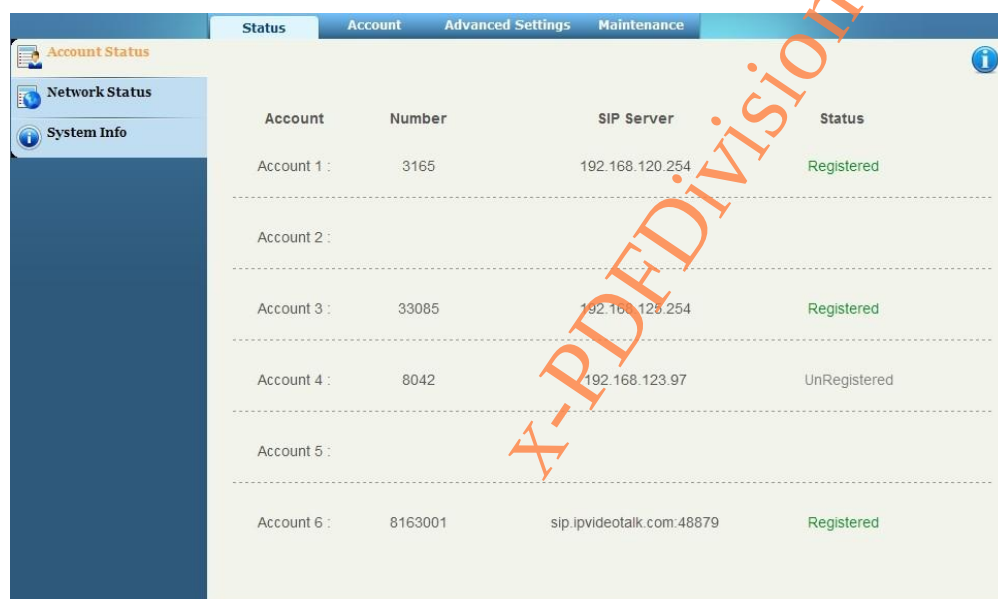
Figure 133 GXV3240 Web GUI-Toolbar

-  Theme Select the page color

- **English** ▼ Select the language.
- **Reboot** Reboot the phone.
- **Exit** Logout.

STATUS

GXV3240 Status page includes Account Status, Network Status and System Info. Users could click the corresponding option on the left navigation bar to enter each subpage. See figure 133.



Account	Number	SIP Server	Status
Account 1 :	3165	192.168.120.254	Registered
Account 2 :			
Account 3 :	33085	192.168.120.254	Registered
Account 4 :	8042	192.168.123.97	UnRegistered
Account 5 :			
Account 6 :	8163001	sip.ipvideotalk.com:48879	Registered

Figure 134 GXV3240 Web GUI Status-Account Status

Table 9 Status/Account Status Parameters

Parameters	Description
------------	-------------

Account	All the 6 SIP accounts on the phone.
Number	The number or extension corresponds to each account.
SIP Server	The SIP server the account registers with
Status	Two registration status for the SIP account: Registered and Unregistered.

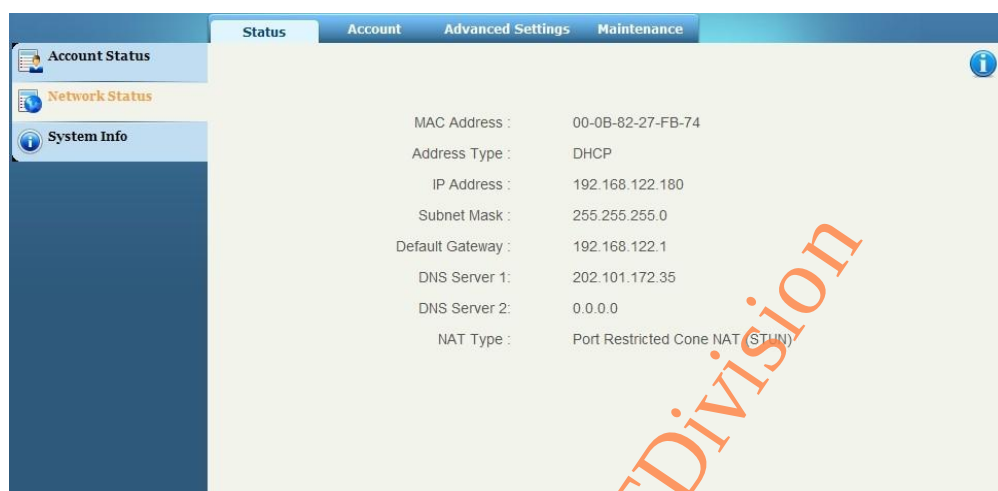


Figure 135 GXV3240 Web GUI Status/Network Status

Table 10 Status/Network Status Parameters

Parameters	Description
MAC Address	GXV3240 MAC address.
Address Type	The configured address type: DHCP, Static IP or PPPoE.
IP Address	IP address of the phone.
Subnet Mask	Subnet mask of the phone.
Default Gateway	Default gateway of the phone.
DNS Server	DNS Server of the phone.
NAT Type	The type of NAT connection used by the phone.



Figure 136 GXV3240 Web GUI Status-System Info

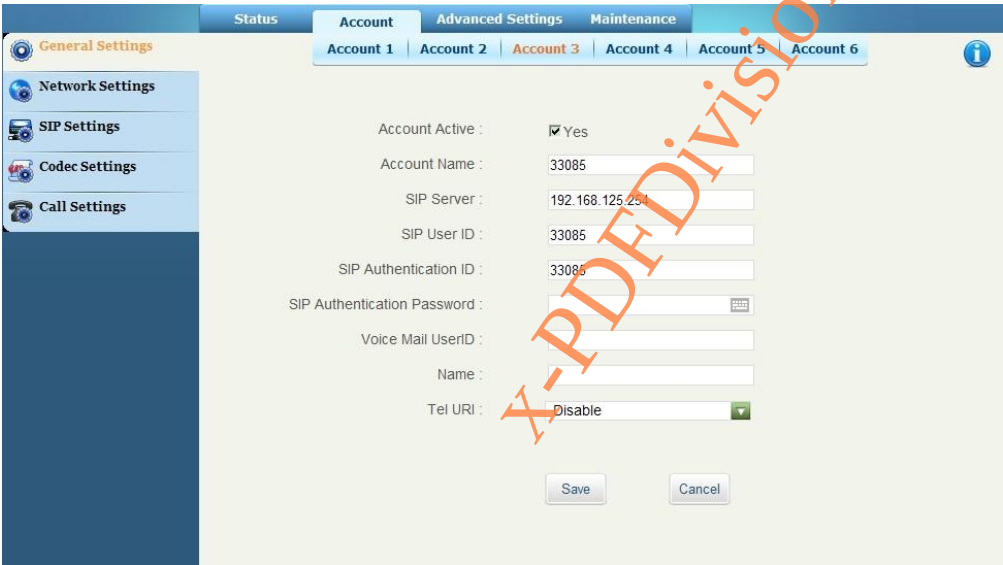
Table 11 Status/System Info Parameters

Parameters	Description
Product Model	Product model of the phone.
Hardware Revision	Hardware version number.
Part Number	Product part number.
System Version	Firmware version. This is the main software release version.
Recovery Version	Recovery image version.
Boot Version	Bootling code version.
Kernel Version	Kernel version.
Android Version	Android OS version.
System Up Time	System up time since the last reboot.

ACCOUNT

Users could configure each account on Account page.GXV3240 has six independent SIP accounts that can be configured on an individual configuration page. Users could select Account X in the menu bar on WEB GUI to enter the corresponding account configuration page. See figure 136.

The account page has five parts as General Settings, Network Settings, SIP Settings, Codec Settings and Call Settings. User could click the corresponding option on the navigation bar on the left to configure the subpage respectively.



. Figure 137 GXV3240 Web GUI Account -General Settings

Table 12 Account/General Settings Parameters

Parameters	Descriptions
------------	--------------

Account Active	This field indicates whether to activate the account. The phone will not send login message to the SIP server if uncheck this option.
Account Name	The name associated with each account to be displayed on the LCD.
SIP Server	The URL or IP address of the SIP server. This is provided by your VoIP service provider (ITSP).
SIP User ID	User account information, provided by your VoIP service provider (ITSP). It's usually in the form of digits similar to phone number or actually a phone number.
SIP Authentication ID	SIP service subscriber's Authenticate ID used for authentication. It can be identical to or different from the SIP User ID.
SIP Authentication Password	The account password required for the phone to authenticate with the ITSP (SIP) server before the account can be registered.
Voice Mail UserID	This parameter allows you to access voice messages by pressing the MESSAGE button or Dial the Access Number button on the phone.
Name	The SIP server subscriber's name (this function should be supported by SIP server) that will be used for Caller ID display.
Tel URI	The default is "Disabled". If the phone has an assigned PSTN telephone number, this field should be set to "Enabled", or should be set to "Disabled". If set to "Enable", Then a "User=Phone" parameter will be attached to the Request-Line and "TO" header in the SIP request.

Figure 138 GXV3240 Web GUI Account-Network Settings

Table 13 Account/Network Settings Parameters

Parameters	Description
Outbound Proxy	IP address or URL of the Outbound Proxy, Media Gateway, or Session Border Controller. It's used by the phone for Firewall or NAT penetration in different network environments. If a symmetric NAT is detected, STUN will not work and ONLY an Outbound Proxy can provide a solution.
Secondary Outbound Proxy	IP address or URL of the Secondary Outbound Proxy.
DNS Mode	This parameter controls how the Search Appliance looks up IP addresses for hostnames. There are three modes: A Record, SRV, NATPTR/SRV. The default setting is "A Record". If the user wishes to locate the server by DNS SRV, the user may select "SRV" or "NATPTR/SRV".

NAT Traversal	This parameter configures whether the NAT traversal mechanism is activated. If set to "STUN" and STUN server is configured, the phone will route according to the STUN server. If NAT type is Full Cone, Restricted Cone or Port-Restricted Cone, the phone will try to use public IP addresses and port number in all the SIP&SDP messages. The phone will send empty SDP packet to the SIP server periodically to keep the NAT port open if it is configured to be "Keep-alive". Configure this to be "NO" if an outbound proxy is used. "STUN" cannot be used if the detected NAT is symmetric NAT. Set this to "VPN" if OpenVPN is used.
Proxy-Require	A SIP Extension to notify the SIP server that the phone is behind a NAT/Firewall.

X-PDFDivision

GXV3240
-- Enterprise Phone Administration Interface

Theme Reboot Exit
English

Status Account Advanced Settings Maintenance
Account 1 Account 2 Account 3 Account 4 Account 5 Account 6

General Settings
Network Settings
SIP Settings
Codec Settings
Call Settings

SIP Registration : ☒ Yes
Unregister Before New Registration : ☐ Yes
Register Expiration (m) : 60
Wait Time Retry Registration (s) : 20
Local SIP Port : 5064
SUBSCRIBE for MWI : ☐ Yes
Session Expiration (s) : 180
Min-SE (s) : 90
UAC Specify Refresher : Omit
UAS Specify Refresher : UAC
Force INVITE : ☐ Yes
Caller Request Timer : ☐ Yes
Callee Request Timer : ☐ Yes
Force Timer : ☐ Yes
Enable 100rel : ☐ Yes
Use Privacy Header : Default
Use P-Preferred-Identity Header : Default
SIP Transport : UDP
Symmetric RTP : ☐ Yes
Support SIP Instance ID : ☒ Yes
Validate Incoming SIP Messages : ☐ Yes
Authenticate Incoming INVITE : ☐ Yes
SIP T1 Timeout : 0.5 sec
SIP T2 Interval : 4 sec
Remove OBP from route : ☐ Yes
Enable SCA (Shared Call Appearance) : ☐ Yes
Enable Bargain : ☐ Yes
Auto-filling Pickup Feature Code : ☒ Yes
Pickup Feature Code :
Line-seize Timeout : 15

Save Cancel

X-PDFDivision

All Rights Reserved Grandstream Networks, Inc. 2014

Figure 139 GXV3240 Web GUI Account-SIP Settings

Table 14 Account/SIP Settings Parameters

Parameters	Description
SIP Registration	The default setting is "Yes". Selects whether or not the phone will send SIP Register messages to the proxy/server. If set to "No", the phone will not send SIP Register messages to the proxy/server.
Unregister Before New Registration	If set to "Yes", the SIP user's registration information will be cleared when the phone reboots. The SIP Contact header will contain "" to notify the server to unbind the connection. The default setting is "No".
Register Expiration (m)	Specifies the frequency (in minutes) in which the phone refreshes its registration with the specified registrar. The default value is 60 minutes (1 hour). The maximum value is 64800 minutes (about 45 days). The minimum value is 1 minute.
Wait Time Retry Registration (s)	The default value is 20 seconds. The amount of time in which the phone will retry the registration process in the event that is failed.
Local SIP Port	Defines the local SIP port used to listen and transmit.
SUBSCRIBE for MWI	The default setting is "No". When set to "Yes", a SUBSCRIBE for Message Waiting Indication will be sent periodically.
Session Expiration (s)	Session Expiration is the time (in seconds) where the session is considered timed out, provided no successful session refresh transaction occurs beforehand. The default value is 180 seconds. The SIP Session Timer extension that enables SIP sessions to be periodically "refreshed" via a SIP request (UPDATE, or re-INVITE). If there is no refresh via an UPDATE or re-INVITE message, the session will be terminated once the session interval expires.
Min-SE (s)	The minimum session expiration (in seconds). The default value is 90 seconds.
UAC Specify Refresher	As a Caller, select UAC to use the phone as the refresher; or select UAS to use the Callee or proxy server as the refresher.

UAS Refresher	Specify	As a Callee, select UAC (User Agent Client) to use caller or proxy server as the refresher; or select UAS (User Agent Server) to use the phone as the refresher.
Force INVITE		The Session Timer can be refreshed using the INVITE method or the UPDATE method. Select "Yes" to use the INVITE method to refresh the session timer.
Caller Timer	Request	If set to "Yes" and the remote party supports session timers, the phone will use a session timer when it makes outbound calls.
Callee Timer	Request	If set to "Yes" and the remote party supports session timers, the phone will use a session timer when it receives inbound calls.
Force Timer		If Force Timer is set to "Yes", the phone will use the session timer even if the remote party does not support this feature. If Force Timer is set to "No", the phone will enable the session timer only when the remote party supports this feature. To turn off the session timer, set caller Request Timer, callee Request Timer and Force Timer all to "No".
Enable 100rel		The use of the PRACK (Provisional Acknowledgment) method enables reliability to SIP provisional responses (1xx series). This is very important in order to support PSTN internetworking. To invoke a reliable provisional response, the 100rel tag is appended to the value of the required header of the initial signaling messages.
Use Header	Privacy	Defines whether or not the Privacy header will be in the SIP INVITE message. The default setting is "default".
Use P-Preferred-Identity Header		Defines whether or not the P-Preferred-Identity header will be in the SIP INVITE message. The default setting is "default".
SIP Transport		Determines the network protocol used for the SIP transport. Users can choose from UDP / TCP / TLS. The default setting is "UDP".
Symmetric RTP		Defines whether symmetric RTP is supported or not.

Support SIP Instance ID	Defines whether SIP Instance ID is supported or not. The default setting is "Yes".
Validate Incoming SIP Messages	Defines whether the incoming SIP messages will be validated or not.
Validate Incoming INVITE Session	If set to "Yes", the phone will response to SIP 401 Unauthorized to validate the incoming INVITE message. The default setting is "No".
SIP T1 Timeout	The default setting is 0.5 seconds. SIP T1 Timeout is the RTT (Round-Trip Time) evaluation between the server and client. If the wait time is long, please choose a larger value in order to guarantee the stability.
SIP T2 interval	The default setting is 4 seconds. This option configures the SIP Protocol T2 Timer (In Seconds). T2 Timer determines the time interval of INVITE Response and non-INVITE Request.
Remove OBP from route	The default setting is "No". This is used for the SIP Extension to notify the SIP server that the device is behind a NAT/Firewall.
Enable SCA	If set to "Yes", SCA (Broadsoft standard) will be used as the register account. The default setting is "No".
Enable Bargain	If set to "Yes", users could barge the current call on the shared line. The default setting is "No".
Auto-filling Pickup Feature Code	If set to "Yes", call park will be automatically filled in. The default setting is "No".
Pickup Feature Code	Configure pickup service code for call park.
Line-seize Timeout	Configure the timeout (in seconds). The default setting is "15 seconds".

The screenshot displays the 'Account-Codec Settings' interface for Account 3. The left sidebar contains navigation links: General Settings, Network Settings, SIP Settings, Codec Settings (highlighted), and Call Settings. The main content area includes the following settings:

- DTMF :** ☐ In audio ☒ RFC2833 ☐ SIP INFO
- DTMF Payload Type :** 101
- Preferred Vocoder :**
 - Available:** G726-32, iLBC
 - Selected:** PCMU, PCMA, G722
- iLBC Frame Size :** 30 ms
- Enable RFC5168 support :** ☐ Yes
- H.264 Image Size :** 720P
- H.264 Profile Type :** Baseline Profile
- Video Bit Rate :** 2048 kbps
- SDP Bandwidth Attribute :** Media Level
- H.264 Payload Type :** 99
- Silence Suppression :** ☐ Yes
- Voice Frames Per TX :** 2
- Jitter Buffer Type :** Adaptive

At the bottom, there are 'Save' and 'Cancel' buttons.

Figure 140 GXV3240 Web GUI Account- Codec Settings

Table 15 Account/Codec Settings Parameters

Parameters	Description
DTMF	This parameter specifies the mechanism to transmit DTMF digits. There are 3 supported modes: In audio: DTMF is combined in the audio signal (not very reliable with low-bit-rate codecs), Via RTP (RFC2833). DTMF signal with identified RTP packets, it can be learnt that the package in the RTP packet header is DTMF packet and the type of DTMF signal. Via SIP INFO. Use INFO message of SIP signaling to carry DTMF signal. The main deficiency is DTMF signal and media package may not synchronized due to the separate transition of SIP control signaling and Real Time Protocol (RTP). The default is RFC2833.

DTMF Payload Type	Species the DTMF payload type using RFC2833. The default is 101.
Preferred Vocoder	5 different vocoder types are supported on the phone, including PCMA, PCMU, G.722, G.726-32, iLBC. Users can configure vocoders in a preference list that is included with the same preference order in SDP message.
iLBC Frame Size	20 ms or 30 ms is optional.
Support RFC5168	If set to "Yes", the video call would support RFC5168. The default setting is "No".
H.264 Image Size	Supports 720P、4CIF、VGA 、CIF、 QVGA、 QCIF.
H.264 Profile Type	There are 4 options available: Baseline Profile, Main Profile, High Profile, BP/MP/HP.
Video Bite Rate	Configure the bite rate for video call. The default setting is "2048kbps".
SDP Bandwidth Attribute	Standard, Media Level, Session Level, No
H.264 Payload Type	Input H.264Payload value. The range is 96-127. The default setting is 99.
SRTP	The default setting is "Disable". Users could choose force SRTP execution or execute SRTP with negotiation mode.
Silence suppression	Controls the Silence suppression/ Voice activity detection (VAD) .If set to "Yes", the phone will send a small quantity of VDA packets other than the voice packets when no voice stream detected during a call. The default setting is "No".

Voice Frames Per TX	Configures the number of voice frames transmitted per packet.(The maximum value of IS limit that based on Ethernet packets is recommended to be 1500 bytes or 120Kbit/s) When configuring this, it should be noted that the "ptime" value for the SDP will change with different configurations here. This value is related to the codec used and the actual frames transmitted during the in payload call. i.e., If set the first code to G. 723 and "voice frame/TX" to 2, for the reason G. 723 voice frame includes 30 milliseconds of audio, the "ptime" value is 60 milliseconds in the SDP packet of INVITE request. Similarly if set the first code to G. 729/ G. 711/ G. 726 and "voice frame/TX" to 2, then the "ptime" value is 20 milliseconds. If the "Speech frame/TX" exceeds its the maximum value, the phone will save the maximum value to correspond with the choice of the first coding. PCM maximum value: 10 frame (x10 milliseconds) ; G.726 maximum value: 20 frame (x10 milliseconds) ; G.723 maximum value: 32 frame (x10 milliseconds) ; G.729 maximum value: 64 frame (x10 milliseconds) ; Adjust the above parameters will also change the dynamic jitter buffer. The phone has a dynamic jitter buffer processing algorithm. The jitter buffer scope is 20 to 200 milliseconds. For end users, it is recommended to use the default setting, as incorrect settings may influence the audio quality.
Jitter Buffer Type	Selects either Fixed or Adaptive based on network conditions. The default setting is "Adaptive".

G X V 3 2 4 0

-- Enterprise Phone Administration Interface

Theme Reboot Exit

English

Status Account **Advanced Settings** Maintenance

Account 1 Account 2 Account 3 Account 4 Account 5 Account 6

General Settings
Network Settings
SIP Settings
Codec Settings
Call Settings

Start Video Automatically : ☒ Yes

Remote Video Request : Prompt

Dial Plan Prefix :

DialPlan : { x+ | !+x+ | *x+ | *ox*x+ }

Refer-To Use Target Contact : ☐ Yes

Auto Answer : No

Send Anonymous : ☐ Yes

Anonymous Call Rejection : ☐ Yes

Call Log : Log All

Special Feature : Standard

Feature Key Synchronization : Disable

Enable Call Features : ☐ Yes

No Key Entry Timeout (s) : 4

Ring Timeout (s) : 60

Transfer on 3 way conference Hangup : ☐ Yes

Use # as Dial Key : ☒ Yes

Conference-URL :

Broadsoft Call Center : ☐ Yes

Holeling Event : ☐ Yes

Call Center Status : ☐ Yes

Account ring tone : Use System Ringtone

Call Forward

Call Forward Type : None

Ring Tones

Match Incoming Caller ID

Distinctive Ring Tone

Use System Ringtone

Use System Ringtone

Use System Ringtone

Save Cancel

APPLIED Division

Figure 141 GXV3240 Web GUI Account – Call Settings

Table 16 Account/Call Settings Parameters

Parameters	Description
Start Video Automatically	Press the Conference button will automatically connect the active line to the conference.
Remote Video Request	Configure video request type. Three options are available: Prompt, Accept, deny. The default setting is "Prompt".
Dial Plan Prefix	Set dial prefix. Any numbers dialed with this account will automatically add this prefix
Dial Plan	Dial Plan Rules: 1. Accepted Digits: 1,2,3,4,5,6,7,8,9,0 , * , #; 2. Grammar: x - any digit from 0-9; xx - at least 2 digit numbers from 0-9; ^ - exclude [3-5] - any digit of 3, 4, or 5 [147] - any digit of 1, 4, or 7 <2=011> -when the digit is 2, it will be replaced with 011 Set to {x+} allows dial out with all digits. 3. Example: {[369]11 1617xxxxxx} — allows dialing numbers 311, 611 and 911 and 1617 area code {^1900x+ <=1617>xxxxxx} –prevents dialing any number started with 1900 and 1617 area code will be added automatically when dialing number with 7 digits length;
Refer-To Use Target Contact	The default setting is "No". If set to "Yes" and the server support this function, the phone will use the "Refer-To" header for attended transfer.
Auto Answer	The default setting is "No". If set to "Yes", the phone will automatically turn on the speaker phone to answer incoming calls.
Send Anonymous	If set to "Yes", the "From" header in outgoing INVITE messages will be set to anonymous, essentially blocking the Caller ID to be displayed.
Anonymous Call Rejection	The default setting is "No". If set to "Yes", anonymous calls will be rejected.

Call Log		Three options. The default is "log all calls". • log all calls: Log all calls; • Only log incoming/outgoing calls: Disable Missed calls record. • Disable call log: Disable call record.
Special Feature		The default setting is "Standard". Users may need to select special features to meet the specific requirements of different soft switch vendors.
Feature Synchronization	Key	Call features can be synchronized with SIP server.
Enable Call Features	Call	The default settings is "no". The local supports call transfer, call waiting and call forwarding. i.e.: * 72 + number means sets unconditional transfer number via call function. When the local call function conflicts with the server, local call function can be shut down. Please refer to chapter <i>Activate Call Features</i> for more details.
No Key Entry Timeout (s)		Defines the timeout (in seconds) for no key entry. If no key is pressed after the timeout, the digits will be sent out. The default value is 4 seconds.
Ring Timeout (s)		Defines the timeout (in seconds) for the rings on no answer. The default setting is 60 seconds.
Use # as Dial Key		Allows users to configure the "#" key as the "Send" key. If set to "Yes", the "#" key will immediately dial out the input digits. In this case, this key is essentially equivalent to the "Send" key. If set to "No", the "#" key is included as part of the dialing string.

3-Party Conference host transfer the call	Defines whether the call will be transferred once the conference host hangs up the phone. If check, the other two parties will still on line if the host hangs up. The default is uncheck.
Conference URI	Configure Conference URI (Broadsoft Standard) according to N-way conference
Broadsoft Call Center	Enable Broadsoft Call Center. The default setting is "No".
Hoteling Event	Enable Broadsoft event function. The default setting is "No". Enable Broadsoft Call Center to make this take into effect.
Call Center Status	Enable Broadsoft Call Center Status. The default setting is "No". Enable Broadsoft Call Center to make this take into effect.
Account Ring Tone	Allows users to configure different ringtone for the account. - One System Ring Tone: Once selected, all calls will ring the System Ring Tone. - Multiple Customer Ring Tone: Once selected, all calls corresponds to the specified account will ring the Customer Ring Tone. Users could also upload the mp3 files as the ringtones.
Call Forward	Set Call Forward function.
Call Forward Type	Specifies the Call Forward Type in the drop-down menu: - None: Disable Call Forward - Unconditional: Forward all calls to particular number - Time based: Forward calls based on the time range. - Others: when phone is busy or not answered.
Match Incoming Caller ID	This option defines the corresponding incoming ringtone. Users can choose different ringtones.
Custom Ringtone	This option defines the corresponding incoming ringtone. Users can choose different ringtones.

ADVANCED SETTINGS

Users could set Security, Call Features, and Audio on the Advanced Settings page. Select

Advanced Settings in the menu bar on WEB GUI. See figure 146.

The account page has six parts as General Settings, Call Features, Video settings, Tone Generator, MPK General Settings, MPK LCD Settings. User could click the corresponding option on the navigation bar on the left to configure respectively.

Figure 142 GXV3240 Web GUI-Advanced Settings

Table 17 Advanced Settings/General Settings Parameters

Parameters	Description
------------	-------------

Local RTP Port	Defines the local RTP-RTCP port pair used to listen and transmit. It is the base RTP port for channel 0. Users should configure 2 ports for one RTPdialogue: one for RTP and the other for RTCP. When configured, channel 0 will use this port_value for RTP and the port_value+1 for its RTCP; channel 1 will use port_value+2 for RTP and port_value+4 for RTCP. The default value is 5004.
Use Random Port	When set to "Yes", this parameter will force random generation of both the local SIP and RTP ports. This is usually necessary when multiple phones are behind the same full cone NAT. The Default setting is "Yes".
Disable in-call DTMF display	Disable in-call DTMF.
Keep-alive Interval (s)	Specifies how often the phone sends a blank UDP packet to the SIP server in order to keep the port on the NAT router to open. The default setting is 20 seconds.
STUN Server	The IP address or Domain name of the STUN server to solve NAT Traversal.
Use NAT IP	The NAT IP address used in SIP/SDP messages. This field is blank at the default settings.
SIP TLS Certificate	GXV3240 supports SIP over TLS via the built-in private key and SSL certificate. The custom SSL certificate used for SIP over TLS should be in X.509 format.
SIP TLS Private Key	Users could custom SSL private key. The custom SSL Private key used for SIP over TLS should be in X.509 format.
SIP TLS Private Key Password	Defines the SSL Private key password used for SIP over TLS.

The screenshot shows the 'Advanced Settings' tab in the GXV3240 Web GUI. The left sidebar contains a list of settings categories: General Settings, Call Features, Video Settings, Tone Generator, MPK General Settings, MPK LCD Settings, MPK EXT1 Settings, MPK EXT2 Settings, MPK EXT3 Settings, and MPK EXT4 Settings. The main content area displays the 'Call Features' settings. The settings are as follows:

Setting	Value
Always Ring Speaker :	☐ Yes
Auto Conference :	☐ Yes
Disable Call-Waiting :	☐ Yes
Disable DialPlan :	☐ Yes
Disable Call-Waiting Tone :	☐ Yes
Disable DND Reminder Ring :	☐ Yes
Disable Direct IP Call :	☐ Yes
Use Quick IP-call mode :	☐ Yes
Disable Conference :	☐ Yes
Disable Transfer :	☐ Yes
Default Transfer mode :	Blind Transfer
Escape '#' as %23 in SIP URI :	☒ Yes
Offhook Auto Dial :	
Offhook Timeout (s) :	30

At the bottom of the settings area, there are 'Save' and 'Cancel' buttons.

Figure 143 GXV3240 Web GUI Advanced Settings-Call Features

Table 18 Advanced Settings/Call Features Parameters

Parameters	Description
Always Ring speaker	If set to "Yes", the incoming call will ring through speakers when using headphones. The default is "No".
Auto Conference	If set to "Yes", when during an active or more calls, users could press the Conference icon to join all the current lines on the phone. The default setting is "No".
Disable Call-Waiting	The default setting is "No". If set to "Yes", disables the call waiting on the third party when two table telephone set up calls.
Disable Dialplan	If set to "Yes", disables dialing plans. The default setting is "No".
Disable Call-Waiting Tone	The default setting is "No". If set to "Yes", disable the call waiting tone when call waiting is on.

Disable DND Reminder Ring	The default setting is "No". If set to "Yes", the ring splash that indicates an incoming call when DND is enabled will not be played.
Disable IP-Call mode	The default setting is "No". If set to "Yes", the phone cannot make IP calls via IP-Call mode.
Use Quick IP-Call mode	Users can dial an IP address under the same LAN/VPN segment by entering the last octet in the IP address. It is recommended that enable this mode when using the restricted static IP. Go to Settings>Advanced Settings page, set "Fast IP Dial Mode" to "Yes", dial #XXX (X is 0-9 and XXX <=255), phone will make direct IP call to aaa.bbb.ccc.XXX where aaa.bbb.ccc comes from the local IP address REGARDLESS of subnet mask.
Disable Conference	The default setting is "No". If set to "Yes", the Conference function will be disabled.
Disable Transfer	The default setting is "No". If set to "Yes", the "TRANSFER" function key will be disabled. All Transfer operations will be failed.
Default Transfer Mode	Blind transfer and attended transfer is optional.
Escape # as %23 in SIP URI	The default setting is "Yes". Replaces "#" by "%23" for some special situations.
Offhook Auto Dial	The phone will only use the first account to dial out. Once enabled, only one extension could realize this function while others can't. The phone will dial automatically the number when the phone is offhook or press the hands-free button.
Offhook Timeout(s)	The phone will exit the dial-up interface when offhook timeout. The default is "30 seconds".

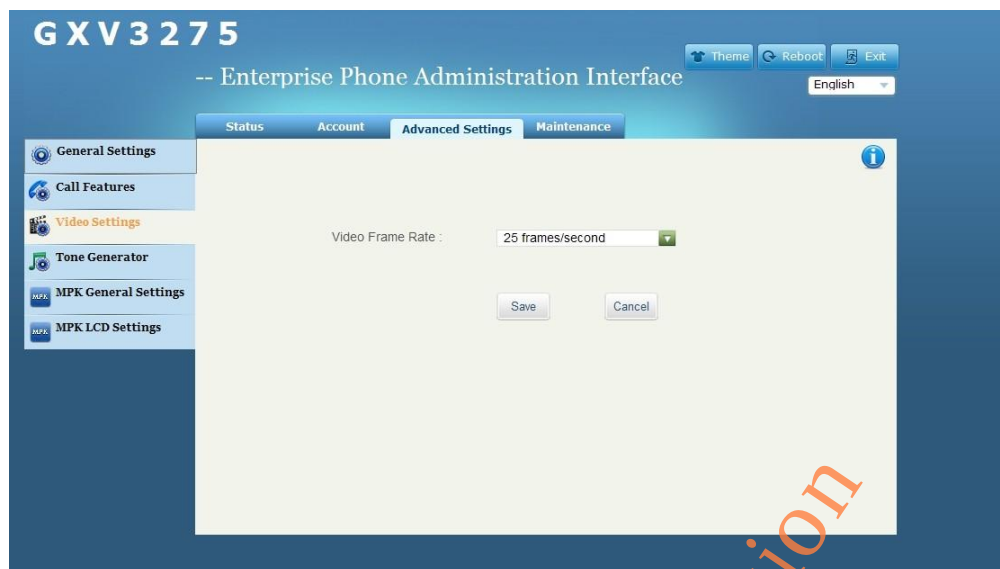


Figure 144 GXV3240 Web GUI Advanced Settings-Video Settings

Table 19 Advanced Settings/Video Settings Parameters

Frame Rate	Configure the frame rate for SIP video call. The default setting is "15 Frames/Second".
------------	---

Call Progress Tones	Attribute
Dial Tone :	f1=350@-13,f2=440@-13,c=0/0;
Ring Back Tone :	f1=440@-19,f2=480@-19,c=2000/4000;
Busy Tone :	f1=480@-24,f2=620@-24,c=500/500;
Reorder Tone :	f1=480@-24,f2=620@-24,c=250/250;
Confirmation Tone :	f1=350@-11,f2=440@-11,c=100/100;
Call-Waiting Tone :	f1=440@-13,c=300/2000-300/2000;
Call-Waiting Tone Gain :	Low
PSTN disconnect tone :	f1=480@-32,f2=620@-32,c=500/500;

Ring Cadence	Attribute
Default Ring Cadence :	c=2000/4000;

Save Cancel

Figure 145 GXV3240 Web GUI Advanced Settings-Tone Generator

Table 20 Advanced Settings- Tone Generator Parameters

Parameters	Description
Call Progress Tones	Users can configure ring or tone frequencies based on parameters from the local telecom provider. By default, they are set to the North American standard. Frequencies should be configured with known values to avoid uncomfortable high pitch sounds. ON is the period of ringing ("On time" in 'ms') while OFF is the period of silence. In order to set a continuous ring, OFF should be zero. Otherwise it will ring ONms and a pause of OFFms and then repeat the pattern. Up to three cadences are supported.
Ring Back Tone	This defines the ring cadence for the phone. The default setting is: c=2000/4000.

Figure 146 GXV3240 Web GUI Advanced Settings-MPK General Settings

Table 21 Advanced Settings/ MPK General Settings Parameters

BLF Call-pickup Prefix	The prefix when the phone using MPK to call up. Each account is set to “**” by default.
Event List URI	The Event List URI in MPK list, it requires server support. Users should firstly configure a Event List URI including expanded list on the server (i.e.: BLF1006@myserver.com) and fill in URI without a domain name (i.e.: BLF1006).

Figure 147 GXV3240 Web GUI Advanced Settings- MPK LCD Settings

Table 22 Advanced Settings/ MPK LCD Settings Parameters

Key Mode	Configure MPK key mode on the GXV3240 extension board - Speed Dial: Dial the user ID on the extension board. - BLF: Monitor the call ID status on the extension board. - Call Transfer: Transfer the current active call to the user ID on the extension board. - Call Intercom: Paging/Intercom User ID on the expansion board. - Speed Dial via Active: Similar to Speed Dial. The difference is to call via the activated account. i.e., if account 2 is activated when offhook, the phone will call the user ID on the extension board via account 2. - Dial DTMF: Dial DTMF of user ID on the extension board in an active call. - Call Park: Configure call park code when park or answering the call.
MPK List	The configured MPK will be displayed in MOK list. Users could use up/down button or more buttons to move, edit and delete the members in the list.
Account	Configure the SIP account MPK key uses.
Name	Configure the name of the corresponding MPK key
User ID	Configure the user ID of the corresponding MPK key

Display Format	Display MPK format: User name, User ID, User ID(User Name)
Show Display Name from Server	



Figure 148 GXV3240 Web GUI Advanced Settings - MPK EXT Settings

Table 23 Advanced Settings/ MPK EXT Settings Parameters (Extension board 1/2/3/4)

Account	Set up the SIP account for MPK keys.
Name	Set up the corresponding name of MPK keys.
User ID	Set up the user ID corresponds to MPK keys.
MPK ID	MPK ID is used to one-to-one tag 160 MPK keys on the 4 extension boards. The default number is 1-160. The user can click on Up and Down button to view the MPK ID of each extension board. i.e., modify the MPK ID on MPK 1 to 5, and the configuration of MPK 1 will be the same as in MPK 5.
Display Format	Set up MPK display Format: Name, User ID, User ID (User name). User name corresponds to the GXV3240 contacts' name.



Note:

Refer to the GXV3240 User Manual for more details on extension board MPK configuration. <http://www.grandstream.com/support> (芳芳写的是 2200, 需要确认)

MAINTENANCE

Users could configure the Upgrade, TR-069 and Time & Date on GXV3240. Select Maintenance in the WEB GUI menu bar to enter the maintenance page. See figure 152.

G X V 3 2 4 0
-- Enterprise Phone Administration Interface

Theme Reboot Exit
English

Status Account Advanced Settings Maintenance

Network Settings

- Time Settings
- Web/SSH Access
- Upgrade
- Syslog
- Logcat
- Debug
- Language
- TR-069
- Contacts
- LDAP Book
- Device Manager

Address Type : ☒ DHCP ☐ Static IP ☐ PPPoE

DHCP

Host name(Optional 12) :

Vendor Class ID(Optional 60) :

Static IP

IP Address :

Subnet Mask :

Default Gateway :

DNS Server 1 :

DNS Server 2 :

PPPoE

PPPoE Account ID :

PPPoE Password :

Alternate DNS Server :

Second Alternate DNS Server :

Enable LLDP : ☒ Yes

Layer 3 QoS for SIP :

Layer 3 QoS for Audio :

Layer 3 QoS for Video :

Layer 2 QoS 802.1Q/VLAN Tag :

Layer 2 QoS 802.1p Priority Value :

User-Agent :

802.1x mode

802.1x mode :

Identity :

MD5 Password :

CA Certificate :

Client Certificate :

Proxy

Proxy Hostname :

Proxy Port :

Bypass Proxy For :

Figure 149 GXV3240 Web GUI Maintenance-Network Settings

Table 24 Maintenance/Network Settings Parameters

Parameters	Specifications
Address Type	Allows users to obtain IP address via the following modes • DHCP: Obtain IP address form DHCP server automatically. • PPPoE: Dial up via PPPoE. • Static IP: Static IP address configured by administrator.
DNS Server 1	Enter the DNS Server 1.
DNS Server 2	Enter the DNS Server 2.
Enable LLDP	
Layer 3 QoS for SIP	Defines the Layer 3 QoS parameter for SIP packets. This value is used for IP Precedence, Diff-Serv or MPLS.
Layer 3 QoS for Audio	Defines the Layer 3 QoS parameter for Audio packets. This value is used for IP Precedence, Diff-Serv or MPLS.
Layer 3 QoS for Video	Defines the Layer 3 QoS parameter for Video packets. This value is used for IP Precedence, Diff-Serv or MPLS.
Layer 2 QoS 802.1Q/VLAN Tag	Assigns the VLAN Tag of the Layer 2 QoS packets. The default value is 0. NOTE: If the Layer 2 is uncertain, please don't modify the Layer 2 tag and priority. Wrong configuration may cause IP access failure on the phone.
Layer 2 QoS 802.1p Priority Value	Assigns the priority value of the Layer 2 QoS packets. The Default value is 0.
User-Agent	Set up the user agent for Phonebook and Screensaver.
802.1x mode	Allows the user to enable 802.1 x modes on the phone.
Procy	Connect to the proxy server.

The screenshot shows the 'Maintenance' tab in the GXV3240 Web GUI. The left sidebar contains various settings categories: Network Settings, Time Settings (highlighted), Web/SSH Access, Upgrade, Syslog, Logcat, Debug, Language, TR-069, Contacts, LDAP Book, and Device Manager. The main content area is titled 'Maintenance-Time Settings' and includes the following fields:

- Assign NTP Server Address :
- DHCP Option 42 override NTP server : ☒ Yes (with a yellow warning icon)
- DHCP Option 2 to override Time Zone setting : ☒ Yes (with a yellow warning icon)
- Time Zone : (with a dropdown arrow)
- Time Display Format : ☒ 12 hour ☐ 24 hour
- Date Display Format : (with a dropdown arrow)

At the bottom of the form are 'Save' and 'Cancel' buttons.

Figure 150 GXV3240 Web GUI Maintenance-Time Settings

Table 25 Maintenance-Time Settings Parameters

Parameters	Specification
Assigned NTP Server Address	Defines the URL or IP address of the specified NTP server to synchronize the date and time with NTP server.
DHCP Option 42 override NTP server	Defines whether DHCP Option 42 should override NTP server or not. When enabled, DHCP Option 42 will override the NTP server to synchronize the date and time on the phone. The default setting is "Yes".
DHCP Option 2 to override Time Zone setting	Allows device to get provisioned for Time Zone from DHCP Option 2 in the local server automatically. The default setting is "No".
Time Zone	Controls the date/time display according to the specified time zone. If DHCP Option2 is enabled, the DHCP server will skip this setup to control the time zone configuration on the phone directly.

Time	Display	Configures the time display format on the LCD.
Format		
Date	Display	Configures the date display format on the LCD.
Format		



Figure 151 GXV3240 Web GUI Maintenance-Web/SSH Access

Table 26 Maintenance/ Web/SSH Access Parameters

Parameter	Description
Disable SSH	The default setting is "No". If set to "Yes", the phone will not allow any SSH access to the phone.
Access Method	Allows users to select HTTP or HTTPS for Web Access.
Port	This field is for customizing the port for Web Access via HTTP. By default, HTTP uses port 80 and HTTPS uses port 443.

Admin Password	Allows users to change the admin password. Only the administrator could configure the Advanced Configuration page. This field is case sensitive with a maximum length of 32 characters.
User Password	Allows the administrator to set the password for user-level GUI access. This field is case sensitive with a maximum length of 32 characters.

X-PDFDivision

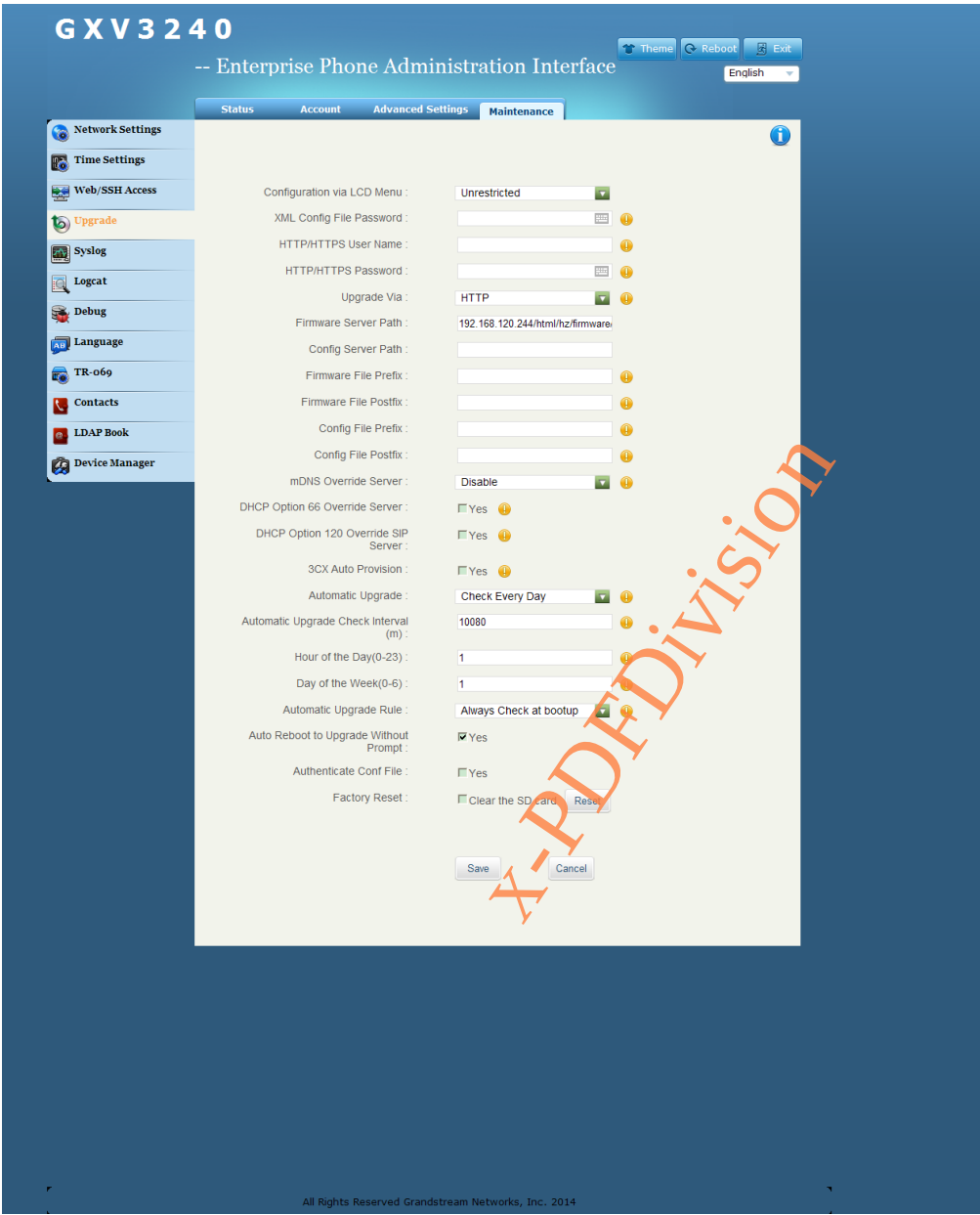


Figure 152 GXV3240 Web GUI Maintenance-Upgrade

Table 27 Maintenance/Upgrade Parameters

Parameters	Description
Configuration via LCD Menu	Set LCD menu configuration permission. No Limited or General Settings is optional.
XML Config File Password	The password for encrypting the XML configuration file using OpenSSL. This is required for the phone to decrypt the encrypted XML configuration file.
HTTP/HTTPS User Name	Input the authenticated user name if HTTP/HTTPS or configured server adopts User authentication mode.
HTTP/HTTPS Password	Input the authenticated user password if HTTP/HTTPS or configured server adopts User authentication mode.
Upgrade Via	Allows users to choose the firmware upgrade method: TFTP, HTTP, HTTPS or manual upload.
Firmware Server Path	Defines the IP address or domain name for the firmware upgrade server.
Configure Server Path	Defines the IP address or domain name for the file server.
Firmware File Prefix	The default setting is "Empty". If configured, only the firmware with the matching encrypted prefix will be downloaded and flashed into the phone. This option appeals to service provider. End users don't need to fill in this option.
Firmware File Postfix	The default setting is "Empty". End users don't need to fill in this option.
Configure File Prefix	The default setting is "Empty". End users don't need to fill in this option.
Configure File Postfix	The default setting is "Empty". End users don't need to fill in this option.
mDNS Server	If set to "Yes", the device allows mDNS to rewrite configure/firmware server. The default setting is "Yes".
DHCP Option 66 Override Server	The default setting is "No". If set to "Yes", the device will obtain IP address as well as firmware upgrade server address via DHCP(configured via DHCP). The address will override the path the "Firmware Server Path" specifies to fulfill auto deployment. The upgrade will use force TFTP.

DHCP Option 120 Override SIP Server	Enables DHCP Option 120 from local server to override the SIP Server on the phone.
3CX Auto Provision	Enables automatic provision feature on the phone when 3CX is used as the SIP server.
Automatic Upgrade	This function is set for the network service provider. The default setting is "No". If set the checking time for every week/day/intervals, the Auto Upgrade and the corresponding configurations will be enabled. Input the period time for checking software upgrade or configuring upgrade in the textbox. The shortest interval is 60 minutes. If set to "No", the device only to upgrade when reboot.
Period Time of Upgrade Checking	Specifies the time period to check for firmware upgrade (in minutes). The default setting is 10080 minutes (7 days).
Hour of the Day (0-23)	Defines the hour of the day (0-23) to check the HTTP/TFTP server for firmware upgrades or configuration files changes.
Day of the Week (0-6)	Defines the day of the week (0-6) to check the HTTP/TFTP server for firmware upgrades or configuration files changes.
Automatic Upgrade Rule	Defines the rules for automatic upgrade.
Automatic Reboot for Upgrade without confirm boxes	If set to "Yes", the device will reboot automatically for upgrade after downloading the upgrade firmware. Otherwise the prompt for reboot will pop up on LCD before reboot. The default setting is "Yes".
Authenticate Conf File	If set to "Yes", Authenticates configuration file before acceptance.
Factory Reset	Restore to factory default settings. Users could also select "Clear the SD card". Note: Please back up data before reset in order to avoid data loss.

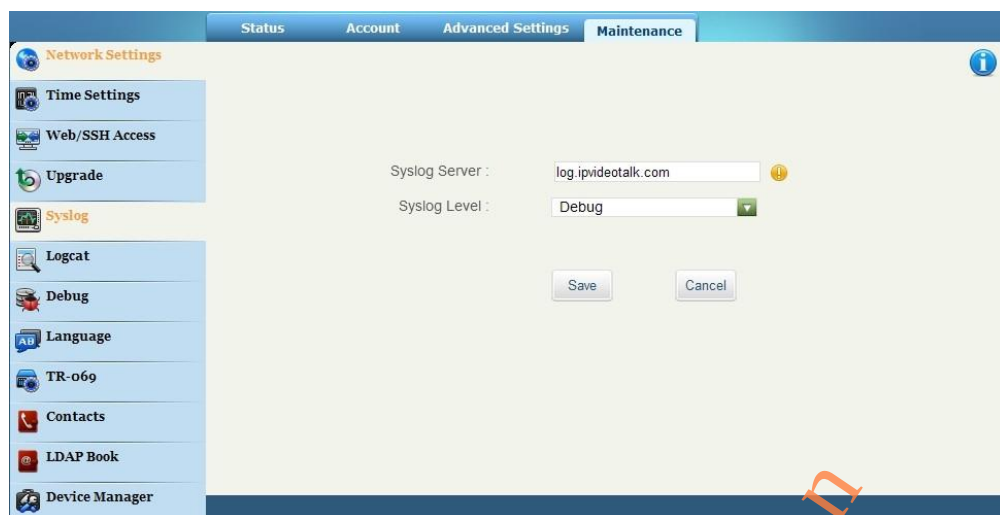


Figure 153 GXV3240 Web GUI Maintenance-Syslog

Table 28 Maintenance/Syslog Parameters

Parameters	Description
Syslog Server	The URL/IP address for the syslog server. This function appeals to the VOiP service server.
Syslog Level	Selects the level of logging for syslog. The default setting is None. It means send no syslog. The 4 levels from high to low are: DEBUG, INFO, WARNING and ERROR. Syslog messages are sent based on the following events: product model/version on boot up (INFO level); - NAT related info (INFO level); - sent or received SIP message (DEBUG level); - SIP message summary (INFO level); - inbound and outbound calls (INFO level); - registration status change (INFO level); - negotiated codec (INFO level); - ethernet link up (INFO level); - SLIC chip exception (WARNING and ERROR levels); - Memory exception (ERROR level).

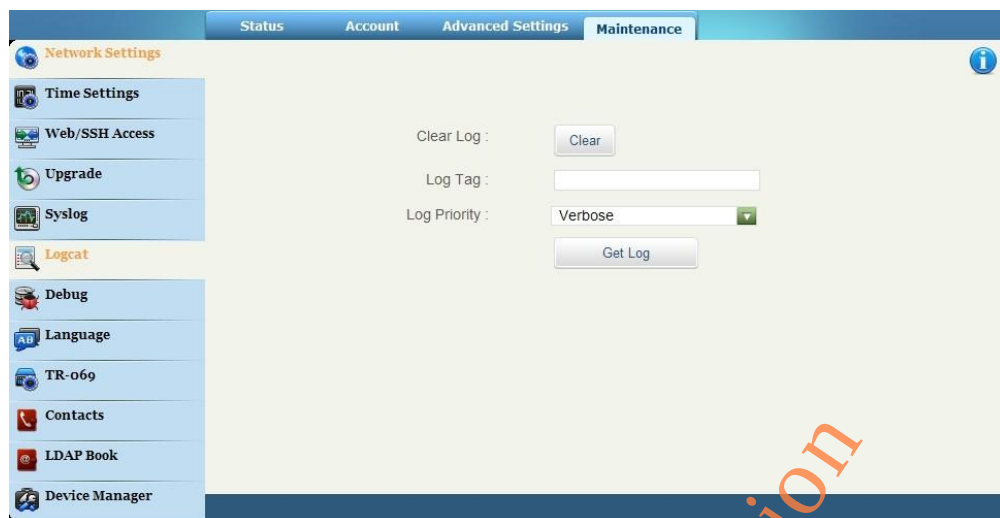


Figure 154 GXV3240 Web GUI Maintenance-Logcat

Table 29 Maintenance/Logcat Parameters

Parameters	Description
Clear Log	Press the clear log button to clear log.
Log Tag	Specifies the log tag to filter the log.
Log Level	Selects the log priority in the drop-down menu.

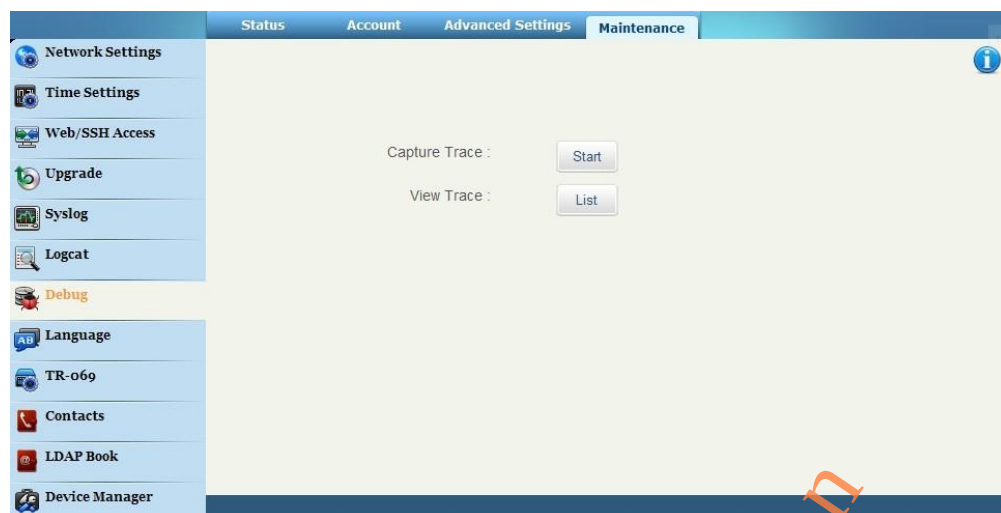


Figure 155 GXV3240 Web GUI Maintenance –Debug

Table 30 Maintenance/Debug Parameters

Parameters	Description
Capture Trace	Press Start to start capturing a trace and press Stop to discontinue .Capture Trace will help to diagnosis. The default is disabled.
View Trace	Press LIST to view the list of captured traces. It will show the time when the trace was captured. Click on the name of the file to download and view the trace.

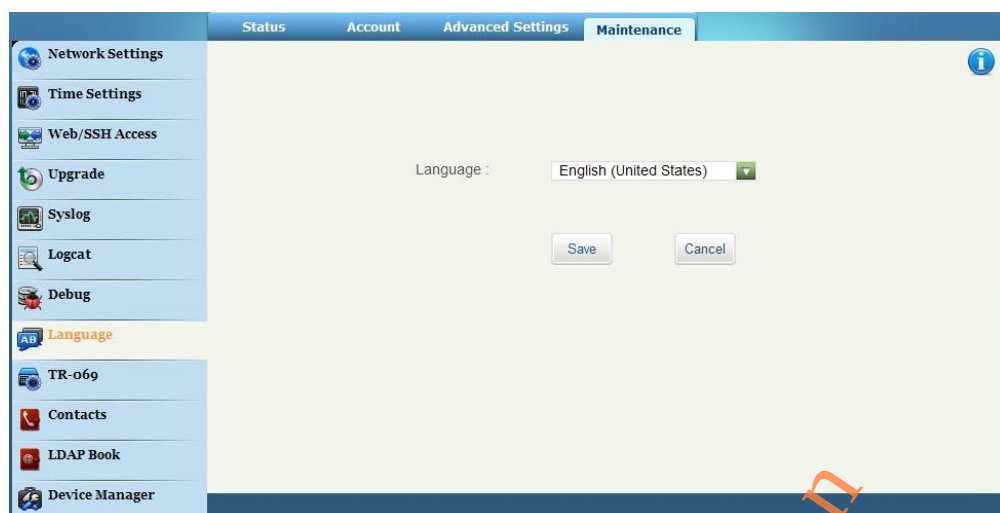


Figure 156 GXV3240 Web GUI Maintenance-Language

Table 31 Maintenance-Language Parameters

Parameters	Description
Language	Select the language displayed on the phone. GXV3240 supports multi language: Chinese, English, Spanish, French, Russian and etc.

The screenshot displays the 'Maintenance' tab in the GXV3240 Web GUI. The left sidebar contains various settings categories: Network Settings, Time Settings, Web/SSH Access, Upgrade, Syslog, Logcat, Debug, Language, TR-069 (highlighted), Contacts, LDAP Book, and Device Manager. The main content area is titled 'Maintenance-TR-069' and contains the following configuration fields:

- Enable TR-069: ☒ Yes
- ACS URL:
- ACS Username:
- ACS Password:
- Periodic Inform Enable: ☒ Yes
- Periodic Inform Interval (s):
- Connection Request Username:
- Connection Request Password:
- Connection Request Port:
- CPE Cert File:
- CPE Cert Key:

At the bottom of the form are 'Save' and 'Cancel' buttons. A large orange 'X-DEFINITION' watermark is diagonally across the center of the page.

Figure 157 GXV3240 Web GUI Maintenance-TR-069

Table 32 Maintenance/TR-069 Parameters

Parameters	Description
Enable TR-069	If set to "Yes", the phone will send session connection request to the ACS.
ACS URL	URL for TR-069 Auto Configuration Servers (ACS). There are 2 methods to identify ASC server: IP Address i.e: http://10.10.10.1:9090 Domain Name i.e:http://huawei.acs.com:9090 Note: 9090 is the port number of ASC server

ACS username	ACS username to authenticate TR-069 when the phone sends connecting request to ASC. It should be in accordance with ASC configuration.
ACS password	ACS password for TR-069. It should be in associated with ASC configuration.
Periodic Inform Enable	If set to "Yes", the phone will send inform packets to the ACS periodically.
Periodic Inform Interval (s)	Sets up the periodic inform interval (in seconds) to send the inform packets to the ACS.
Connection Request Username	The username to authenticate ACS when the ASC server sends connecting request to the phone. It should be in associated with ASC configuration.
Connection Request Password	The password for the ACS to connect to the phone. The phone should in accordance with ACS server configuration.
Connection Request Port	The port for the ACS to connect to the phone. It cannot be occupied by other applications, i.e: the device can't use the port that SIP 5060 or 5004 uses.
CPE Cert File	The Cert File for the phone to connect to the ACS via SSL.
CPE Cert Key	The Cert Key for the phone to connect to the ACS via SSL.

X-PDFDivision

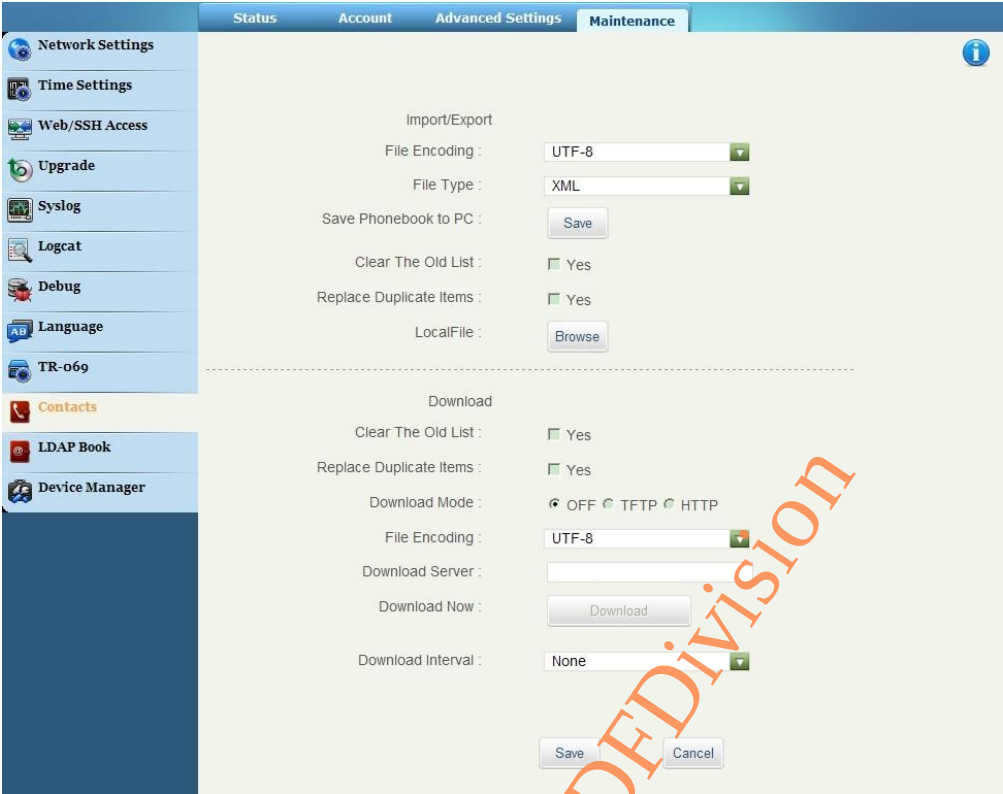


Figure 158 GXV3240 Web GUI Maintenance-Contacts

Table 33 Maintenance/Contacts Parameters

Parameters	Description
Import/Export	
File Encoding	Supports import/export Contacts: UTF-8, GBK, UTF-16, UTF-32, Big5, Big5-HKSCS, Shift-JIS, IOS8859-1, IOS8859-15, Windows-1251, EUC-KR.
File Type	Supports import/export Contacts: XML, VCard, CSV.
Save Phonebook to PC	Allow users to save XML file to PC. Click Save to save Phonebook file with configured coding format and file format to PC.
Clear The Old List	The phone will delete all the old list before downloading new ones if check. The default is uncheck.

批注 [J1]: 缺少其他文件编码

Replace Duplicate Items	The phone will delete all the duplicated items before downloading new ones if check. The default is uncheck.
Local File	Click Browse to select XML file and download it to the phone.
Download	
Clear The Old List	The phone will delete all the duplicated items before downloading new ones if check. The default is uncheck.
Replace Duplicate Items	The phone will delete all the duplicated items before downloading new ones if check. The default is uncheck.
Download Mode	Select network download mode: OFF/TFTP/HTTP.
File Encoding	Supports import/export Contacts: UTF-8, GBK, UTF-16, UTF-32, Big5, Big5-HKSCS, Shift-JIS, IOS8859-1, IOS8859-15, Windows-1251,EUC-KR. The default is UTF-8.
Download Server	Set up the server to download with from network.
Download Now	Click Download to download Contacts file to the phone from the configured server. Note: The contacts file must be the formatted file the phone supports.
Download Interval(m)	The interval to download from server. The default is None, namely will not automatically request download, users can set up as needed.

X-PDFDIVISION

The screenshot displays the 'Maintenance' tab in the GXV3240 Web GUI. On the left is a sidebar menu with options: Network Settings, Time Settings, Web/SSH Access, Upgrade, Syslog, Logcat, Debug, Language, TR-069, Contacts, **LDAP Book** (highlighted), and Device Manager. The main content area is titled 'Maintenance' and contains the following configuration fields:

- Server Address : 192.168.123.97
- Port : 389
- Base DN : dc=pbx,dc=com
- User Name :
- Password :
- LDAP Name Attributes : CallerIDName
- LDAP Number Attributes : AccountNumber
- LDAP Mail Attributes :
- LDAP Name Filter : (AccountNumber=%)
- LDAP Number Filter : (CallerIDName=%)
- LDAP Mail Filter :
- LDAP Displaying Name Attributes : %AccountNumber %CallerIDName
- Max Hits : 50
- Search Timeout(ms) : 0
- LDAP Lookup For Dial : ☒ Enable
- LDAP Lookup For Incoming Call : ☒ Enable

At the bottom of the form are 'Save' and 'Cancel' buttons.

Figure 159 GXV3240 Web GUI Maintenance-LDAP Book

Table 34 Maintenance/LDAP Book Parameters

Parameters	Descriptions
Server Address	LDAP server address, users could input IP address or domain name.
Port	Set up the port number of LDAP server.
Base DN	Set up the base DN to inquire on the serve ,namely under which directory to inquire contacts.i.e., dc=grandstream, dc=com ou=Boston, dc=grandstream, dc=com
User Name	Set up the username to login LDAP server. Some LDAP servers support anonymous login without username.
Password	Set up the password to login LDAP server. If the LDAP server support anonymous, users could login without password.

LDAP Name Attributes	Set up the name attribute of each record returned from LDAP search. It allows users to configure multiple name attribute separated by spaces. i.e., gn cn sn description.
LDAP Number Attributes	Set up the number attribute of each record returned from LDAP search. It allows users to configure multiple number attribute separated by spaces. i.e., telephoneNumber telephoneNumber Mobile.
LDAP Mail Attributes	Set up the mail attribute of each record returned from LDAP search. It allows users to configure multiple mail attribute separated by spaces. i.e., mail mail mailbox.
LDAP Name Filter	Set up the filter when configure name inquiry.i.e., ((telephoneNumber=%)(Mobile=%) return all "telephoneNumber" or contacts with specified filter value in "Mobile" f. (&(telephoneNumber=%) (cn=*)) return all contacts with specified filter value with "cn" field in "telephoneNumber".
LDAP Number Filter	Set up the filter when configure number inquiry.i.e., ((telephoneNumber=%)(Mobile=%) return all "telephoneNumber" or contacts with specified filter value in "Mobile". (&(telephoneNumber=%) (cn=*)) return all contacts with specified filter value and the set "cn" field in "telephoneNumber".
LDAP Mail Filter	Set up the filter when configure mail inquiry.i.e., ((mail=%)(mailBox=%)) return all contacts with specified filter value in "Mail" or "Mailbox" . (! (mail=%)) return all contacts without specified filter value in "Mail" ; (&(mail=%) (cn=*)) return all contacts with specified filter value and the set "cn" field in "mail".
LDAP Displaying Name Attributes	Display onscreen name attribute, up to three attributes. Such as:%cn %sn %telephoneNumber
Max Hits	Set up the max hit return to the LDAP server. If set to "0", the server will return all searched results. The default setting is 50.
Search Timeout(ms)	Set up the search timeout return after inputting search info.The default setting is "0".
LDAP Lookup For Dial	Set up whether to apply LDAP lookup for dial. The default setting is

			"No".
LDAP	Lookup	For	Set up whether to apply LDAP lookup for incoming call. The default setting is "No".
Incoming Call			

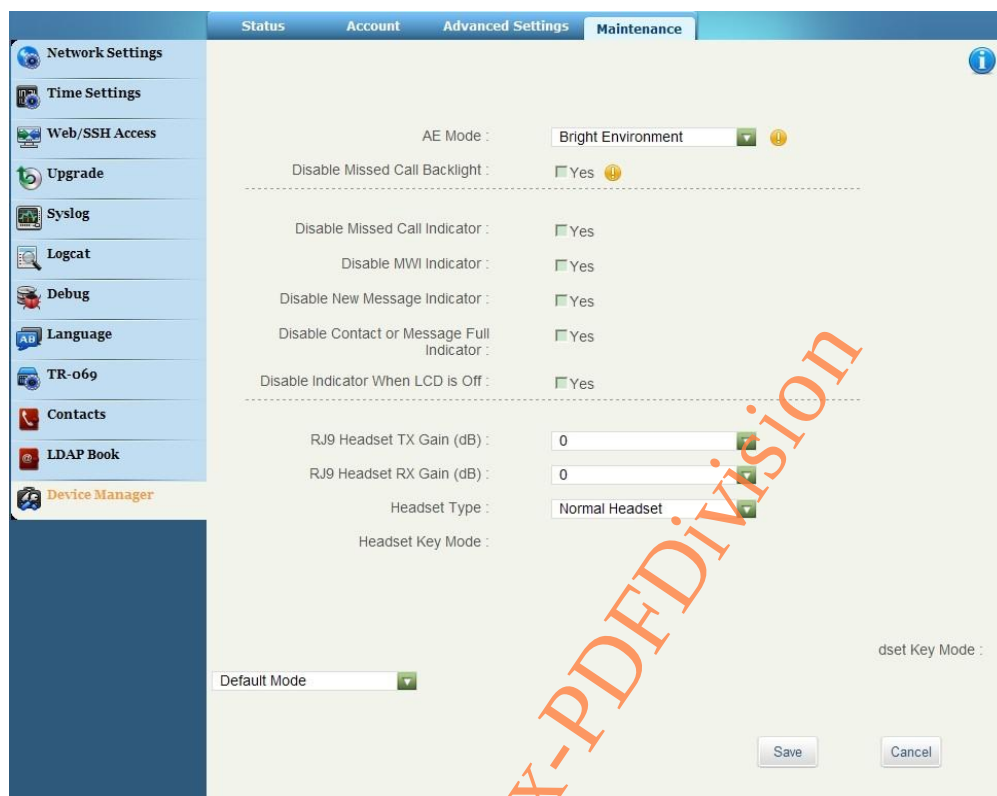


Figure 160 GXV3240 Web GUI Maintenance-Device Manager

Table 35 Maintenance/Device Manager Parameters

Parameters	Description
AE Mode	Users could set up the environment settings to obtain better visual effect. Bright environment and dark environment are optional.
Disable Missed Call Backlight	If set to "Yes", the LCD backlight will be disabled when there is a missed call. The default setting is "No".
Disable Missed Call Indicator	If set to "Yes", the LCD backlight will be disabled when there is a missed call. The default setting is "No".

Disable MWI Indicator	Set up whether to disable LED MWI Indicator when there is a unread message. The default setting is "No".
Disable New Message Indicator	If set to "Yes", the indicator will be disabled when there is a new message. The default setting is "No".
Disable Contact or Message Full Indicator	If set to "Yes", the indicator will be enabled when the storage of contacts or messages is full. The default setting is "No".
Disable Indicator When LCD is Off	If set to "Yes", the indicator will be disabled when LCD is Off. The default setting is "No".
RJ9 Headset TX Gain (dB)	The headphone volume setting controls the sent-out audio signal. The default is "0".
RJ9 Headset RX Gain (dB)	The headphone volume setting controls the received audio signal. The default is "0".
3.5mm Earphone TX Gain (dB)	
3.5mm Earphone RX Gain (dB)	
Headset Type	Select Normal headset or EHS headset type.
Headset Key Mode	Users could select Default Mode or Toggle Headset/ Speaker. Please refer to the user manual for details 1. Default Mode When the phone is running in idle screen, press the hardkey HEADSET and off hook to dial. The headset icon will be displayed on top of the calling interface. Press the hardkey HEADSET and off hook to speak via headset if there is an incoming call. Press the hardkey HEADSET to hang up the call if the user is speaking via the headset during an active call. Press the hardkey HEADSET to switch to the headset if the user is speaking via speaker or handset. Press the hardkey HEADSET again to hang up the phone. Press the hardkey HEADSET /SPEAKER to switch to the previous calling mode. 2. Toggle Headset/Speaker When the phone is running in idle screen, Press the hardkey HEADSET to enter the headset mode and the screen will display the

corresponding icon. Press the hardkey HEADSET or the numeric key will initiate the headset mode as default.

Press the Answer button on screen or the hardkey HEADSET to speak via headset when there is an incoming call

Press the hardkey HEADSET to switch to the Headset/Speaker during an active call .

X-PDFDivision

UPGRADING AND PROVISIONING

GXV3240 supports software upgrade via TFTP or HTTP/HTTPS. Go to Advanced Settings page to configure.

CONFIGURATION FILE DOWNLOAD

Grandstream SIP Devices can be configured via the WEB Interface as well as via a Configuration File (binary or XML) through TFTP or HTTP/HTTPS. The "Config Server Path" is the TFTP, HTTP or HTTPS server path for the configuration file. It needs to be set to a valid URL, either in FQDN or IP address format. The "Config Server Path" can be the same or different from the "Firmware Server Path".

A configuration parameter is associated with each particular field in the web configuration page. A parameter consists of a Capital letter P and multiple digit numeric numbers. i.e., P2 is associated with the "Admin Password" in the Web GUI->Maintenance->Web/SSH Access page.

Note: For a detailed parameter list, please refer to the corresponding firmware release configuration template.

When a Grandstream Devices boots up or reboots, it will issue a request for a configuration XML file named "cfgx.xml" followed by a file named "cfgxxxxxxxxxxx", where "xxxxxxxxxxx" is the MAC address of the device, i.e., "cfg000b820102ab". The configuration file name should be in lowercase letters.

For more details on XML provisioning, please refer to:

http://www.grandstream.com/general/gstream_provisioning_guide_public.pdf

CONFIGURE SERVER

CONFIGURE TFTP SERVER

The following chapter will take 3C Daemon TFTP as an example.

1. Open the HTTP server, as shown in figure 160 below

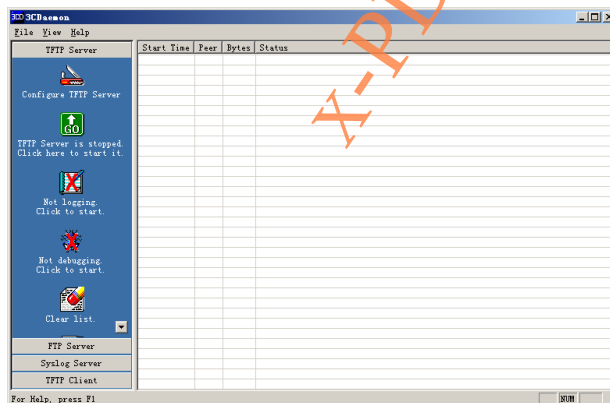


Figure 161 HFTP Server Interface

2. Click “Configure TFTP Server” to bring out the dialog as shown in figure 161.

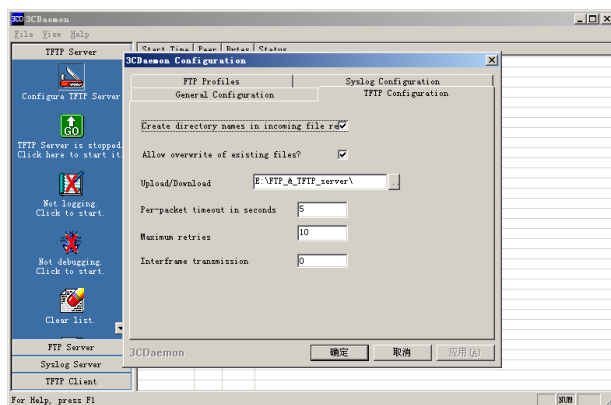


Figure 162 HFTP Server Interface -Configure Dialog

- Set the path to save the file under "Upload/Download" in "TFTP Configuration" tab.

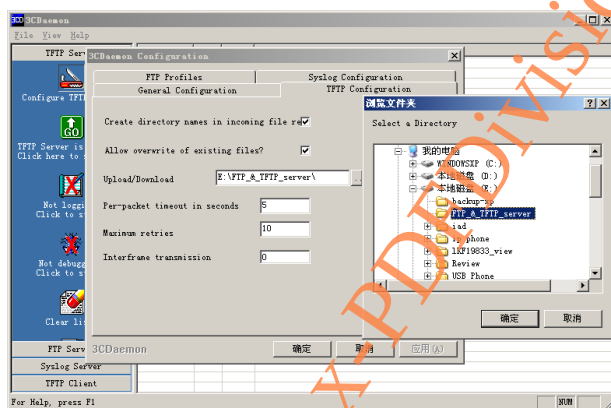


Figure 163 Set HFTP Server Path

- Select the path then click "Ok" to bring out the following dialog.

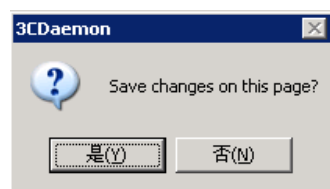


Figure 164 Confirm Changes

5. Click "Yes" to confirm changes.
6. Click "Ok" to close the dialog.



Note: The file uploaded to sever should be unzipped.bin file.

CONFIGURE HTTP SERVER

The following chapter will take 3CDaemon TFTP as an example.

You could obtain Apache HTTP server installation provisioning from <http://httpd.apache.org>, and follow the wizard to complete the default installation.

The following chapter will take using Apache HTTP Server2.2 in Windows XP as an example.

1. Open Apache server, go to Start > All Programs > Apache HTTP Server 2.2 > Monitor Apache Servers on a PC installed with Apache server.

The icon  in the notification area of the taskbar indicates the Apache server has been enabled. Select "Start" to enable the server when see .

2. Save the file under the following path: Installation Path\Apache Software Foundation\Apache2.2\htdocs.



Note

- If the file is saved under htdocs folder, the URL format for the phone to access Apache server is: [http:// IP address of the PC installed with Apache server](http://IP address of the PC installed with Apache server). i.e., <http://192.169.1.51>
- If the file is saved under htdocs subfolder, the URL format for the phone to access Apache server is: [http:// IP address of the PC installed with Apache server](http://IP address of the PC installed with Apache server) /Subfolder Name. i.e., <http://192.169.1.51/filename>

FIRMWARE UPDATE

GXV325 supports the following ways to update

- Update via upload firmware file
- Manual update via firmware file
- Auto update via firmware server

This chapter will introduce the three upgrade methods in details.



Note:

- It is **HIGHLY** recommended that an Uninterruptible Power Supply (UPS) be used in conjunction with the device in the process of update or it might be fail.
- Please unpack the compression package before upload the file for update.

UPDATE VIA UPLOAD FIRMWARE FILE

1. Go to Maintenance> Upgrade, set the update type to "Manual" and click the Upload button.

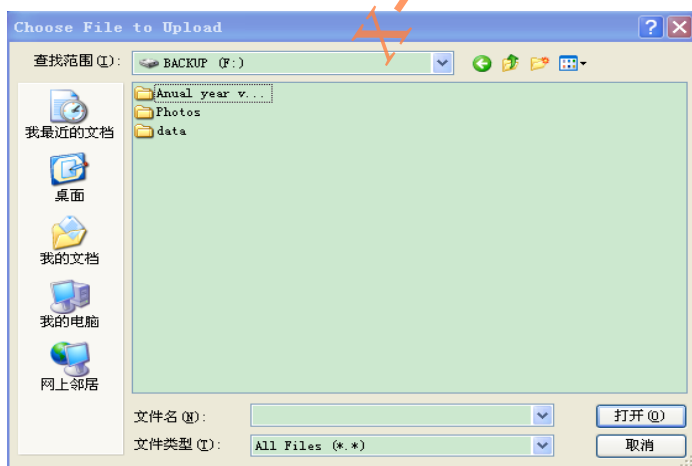


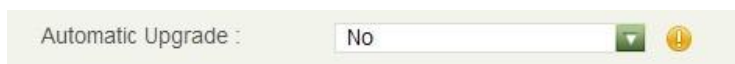
Figure 165 Select Firmware File

2. The pop-up dialog will show on screen, users could confirm to update according to the prompt.

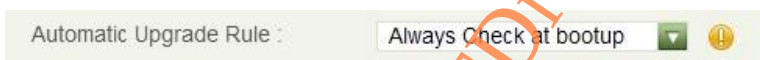
MANUAL UPDATE

The steps to update file via HTTP are the same as via TFTP. This chapter will take via TFTP as an example.

1. Go to Maintenance>Upgrade, Select “No” in “Automatic Upgrade”, as shown in figure 165.

**Figure 166 Set up Auto Update**

2. Go to Maintenance>Upgrade, Select “Always Check at Bootup” in “Automatic Upgrade Rule” option, as shown in figure 166.

**Figure 167 Set up Automatic Upgrade Rule**

3. Set up upgrade mode and upgrade server. Select “TFTP” in “Upgrade Via” option and input the local TFTP server address in the “Firmware Server Path” option. URL and IP address are optional. See figure 167.

**Figure 168 Set up Firmware update Mode**

4. Uncheck "DHCP Option 66 Override Server", as shown in figure 169. If checked, it allows the phone to obtain IP address as well as the upgrade server address via DHCP. This address will override the "Firmware server path" configured in step 3.



Figure 169 Set up whether to Enable Option 66 Override Server

5. Click "Save" to save the change.
6. Click the Reboot icon to boot up the phone and upgrade the device.

AUTO UPGRADE

The steps to upgrade via HTTP are the same as steps via TFTP. This chapter will take via TFTP as an example.

1. Go to Maintenance>Upgrade, set up the rational upgrade check interval in "Automatic Upgrade" option as shown in figure 169.

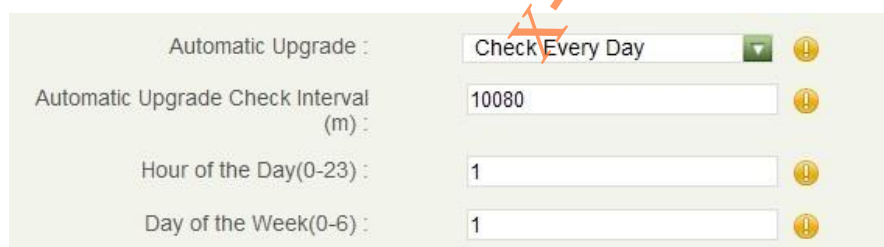


Figure 170 Automatic Upgrade Setting

2. Go to Maintenance>Upgrade, Select "Always Check at Bootup" in "Automatic Upgrade Rule" option, as shown in figure 170.



Figure 171 Automatic Upgrade Rule Setting

- Set up upgrade and upgrade server. Select “TFTP” in “Upgrade Via” option and input the local TFTP server address in the “Firmware Server Path” option. URL and IP address are optional. See figure 171.



Figure 172 Upgrade Setting

- Uncheck “DHCP Option 66 Override Server”, as shown in figure 180. If checked, it allows the phone to obtain IP address as well as the upgrade server address via DHCP. This address will override the “Firmware server path” configured in step 3.



Figure 173 Set up Whether to Enable DHCP Option 66 Server

- Click “Save” to save the change.

The phone will automatically upgrade when detects new firmware version on the sever.

FACTORY RESET



WARNING: Restoring the Factory Default Settings will **DELETE** all configuration information on the phone. Please backup or print all the settings before you restore to the factory default settings. Grandstream is not responsible for restoring lost parameters and cannot connect your device to your VoIP service provider

VIA LCD MENU

Follow the steps below to restore the GXV3240 to the factory default settings.

1. Press the MENU button and tap on Settings on GXV3240 desktop, or go to onscreen MENU->Settings >Advanced Settings >Factory Reset;
2. Tap on Factory Reset to bring out the dialog as shown in figure 173

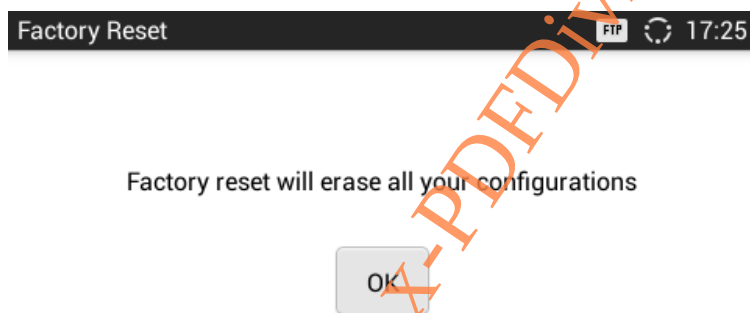


Figure 174 Factory Reset

3. Click OK to restore the phone to factory settings.

VIA THE WEB GUI

1. Login GXV3240 Web GUI and go to Maintenance->Upgrade page;

2. Click on the Reset button for Factory reset. See figure 174.



Figure 175 Web GUI-Factory Reset

3. A dialog box will pop up shown in figure 175;

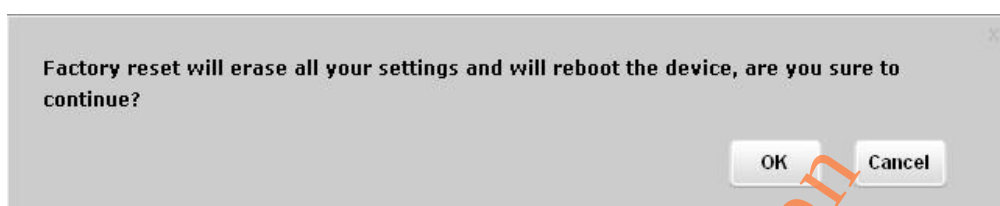


Figure 176 Web GUI-Confirm Factory Reset

4. Click OK to restore the phone to factory settings.

VIA BUTTONS

When the message waiting indicator LED goes out the first time after the GXV3240 is powered, press + and  at the meanwhile. When the indicator is on again, the phone will restore to factory settings.

FAQs

Q: Why my GXV3240 screen is dark?

Please check whether your phone is powered on. Please ensure that the GXV3240 is connected correctly to the power adapter.

Q: Why my GXV3240 touch screen is not sensitive?

Check that the power adaptor for GXV3240 is the original 12V BY adaptor.

Q: Why I can't hear the dial tone through my GXV3240?

Please ensure that all units of the GXV3240 have been installed and connected correctly. Please refer to <GXV3240 Quick Installation Guide> to install the phone.

Q: Why my GXV3240 doesn't ring when there is an incoming call?

Please check whether the phone volume has been set to minimum. Tap on  to turn up the volume.

Q: Where can I check the GXV3240 IP address?

Please tap on the Account icon on the desktop then check the IP address on the upper left corner of the page. See figure 184.

Q: How to change the user password?

Please login the WEB GUI, go to Maintenance->Web/SSH Access and input new password in the textbox of "User Password" option, save the change then reboot the phone.

Please visit our website: <http://www.grandstream.cn/> for answers to your more questions.

X-PDFDivision