



Grandstream Networks, Inc.

GXP2130/2140/2160

BroadWorks Xsi Directories and Call Logs

User Guide

GXP2130/2140/2160

BroadWorks Xsi Directories and Call Logs User Guide

Index

INTRODUCTION.....	3
BROADWORKS XTENDED SERVICES INTRODUCTION	4
ARCHITECTURE AND MESSAGING	4
BROADWORKS XSI DIRECTORY AND CALL LOGS CONFIGURATION 5	
BROADWORKS SERVER CONFIGURATION.....	5
GXP PHONE CONFIGURATION.....	5
BROADWORKS XSI DIRECTORIES	6
BROADWORKS XSI CALL LOGS.....	11

Table of Figures
GXP2130/2140/2160 BroadWorks Xsi Directories and Call Logs User Guide

Figure 1: Xsi-Actions Requests-Response	4
Figure 2: Web-GUI – Broadsoft Directories Feature Show on the Phone	6
Figure 3: LCD Configuration Menu - Contacts.....	7
Figure 4: Contact Page	7
Figure 5: Broadsoft Phonebook Page.....	8
Figure 6: Broadsoft Group Common.....	8
Figure 7: Broadsoft Contact Entry Page	9
Figure 8: Broadsoft Phonebook Save to Phonebook.....	9
Figure 9: BroadWorks Xsi Directory Search	10
Figure 10: BroadWorks Xsi Directory Search Result.....	10
Figure 11: LCD Configuration Menu – Call History.....	11
Figure 12: Call History Page	12
Figure 13: Broadsoft Call Log Page.....	12
Figure 14: BTBC – Type IM&P Presence Status	13
Figure 15: BroadWorks Call Log Entry Details	13

INTRODUCTION

Grandstream GXP2130/GXP2140/GXP2160 SIP phone supports the BroadWorks Xtended Services Interfaces (Xsi) Directories and Call Log features. This User Guide will describe how to configure and use the BroadWorks Xsi Directories and Call Logs features on GXP2130/2140/2160. To learn more about GXP2130/GXP2140/GXP2160 features, please visit <http://www.grandstream.com/support> to download the latest "GXP2130/GXP2140/GXP2160 User Guide" and "GXP2130/GXP2140/GXP2160 Administration Guide".

BROADWORKS XTENDED SERVICES INTRODUCTION

BroadWorks Xtended Services Interfaces (Xsi interfaces) are a set of application programming interfaces supporting the integration of BroadWorks functions with Internet services to create Web Application or mashups. Currently, service providers offer a voice service consisting of connectivity, features, phone numbers and usage or minutes. By adding a public web service interface to the offering, the voice services can be integrated with existing Internet services. This integration is done outside of BroadWorks. It can be done by end users, the service providers, or third party developers to provide applications that normally could not be offered in a mainstream offering.

The Xsi-Actions are a set of RESTful APIs that allows resources to be defined and addressed over HTTP with simple XML. This approach requires less client-side software to be written than other approaches and is the overwhelming choice for developers to create Web Applications. These APIs allow a remote application to control and query BroadWorks.

ARCHITECTURE AND MESSAGING

The Xsi-Action is a Web Application that runs in a container like the BroadWorks Xtended Service Platform (Xsp). Xsi-Action is responsible for authenticating the requests received from the remote applications. It is also responsible for providing requests and response mapping and for routing events received from the BroadWorks core.

When an HTTP requests is received from the remote application and successfully authenticated, then the request is processed by the BroadWorks core and an appropriate response is generated.

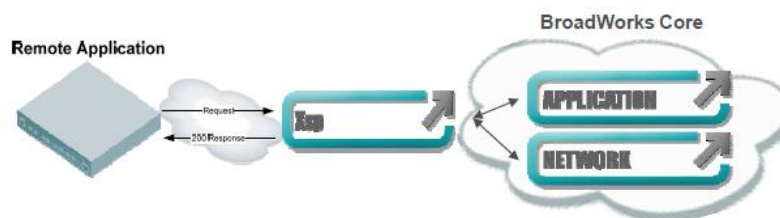


Figure 1: Xsi-Actions Requests-Response

The BroadWorks Xsi Directories and Xsi Call Logs feature allows user to access the phonebook and call log entries managed by BroadWorks Servers via the Xsp server.

BROADWORKS XSI DIRECTORY AND CALL LOGS CONFIGURATION

BROADWORKS SERVER CONFIGURATION

The BroadWorks Xsi Directories and Call Logs configuration is completed by the BroadWorks server administrator or service provider. End users should be given Xsp server URI and user credentials to access the service.

GXP PHONE CONFIGURATION

1. Log in Web GUI and register the BroadWorks account on the phone.
2. Browse to Settings→Broadsoft Directories to set configuration for BroadWorks Xsi Directories and Call Logs service:
 - Fill the BroadWorks XSP server address in the Server blank. If the BroadWorks Xsp server requires to use the HTTPS, please add the header “https://” ahead of BroadWorks Xsp server URI. For example, “<https://xsp1.iop1.broadworks.net>”.
 - Fill the XMPP port number in the Port blank. The default port number is 80. If the BroadWorks Xsp server requires to use the HTTPS, please fill the HTTPS port number “443” in the blank.
 - Fill the BroadWorks Xsi credentials in Username and Password blanks.
 - If users need to use the selected Directory or Call Log categories, please set the categories’ setting “Enabled”.
 - The GXP phone assigned end user rights to rename each directory or call log category. If user files customized names into a blanks, it will override the default name. For example, the Group Directory’s default name is “Group Directory” if it keeps blank. If the user files “Grandstream” into the blank, the phone will display “Grandstream” to for the Group Directory.

The following figure shows an example of how to configure the Broadsoft Directories settings on the GXP2130/2140/2160 phones:

Settings

General Settings
Call Features
Multicast Paging
Ring Tone
Audio Control
LCD Display
Date and Time
Web Service
Programmable Keys
Extension Boards
EXT 1
EXT 2
EXT 3
EXT 4
Broadsoft
Broadsoft Directories
Broadsoft IM&P

Broadsoft Directories

XSI

Server

xsp1.iop1.broadworks.net

Port

80

Username

3335551006@as.iop1.bro

Password

Network Directories

Type		Name
Group Directory	Enabled ▼	Grandstream
Enterprise Directory	Enabled ▼	
Group Common	Enabled ▼	
Enterprise Common	Enabled ▼	
Personal Directory	Enabled ▼	
Missed Call Log	Enabled ▼	
Placed Call Log	Enabled ▼	
Received Call Log	Enabled ▼	

Figure 2: Web-GUI – Broadsoft Directories Feature Show on the Phone

BROADWORKS XSI DIRECTORIES

After configuration, users can use Broadsoft Xsi Directories features on GXP phones. Please do as the following steps:

1. Press the **Menu** button on the pad to enter the configuration menu.
2. Select the “**Contacts**” icon.

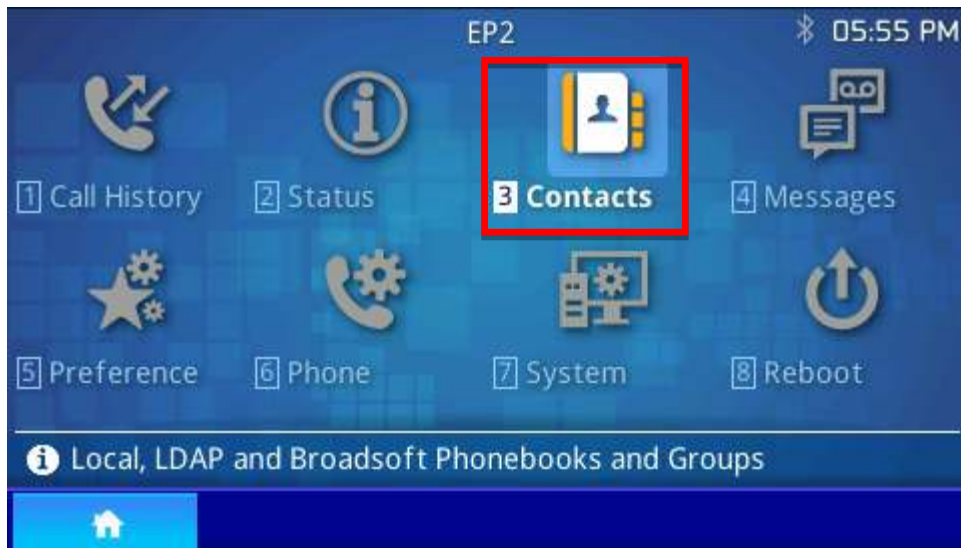


Figure 3: LCD Configuration Menu - Contacts

3. Select **Broadsoft Phonebook** to enter the Directory page.

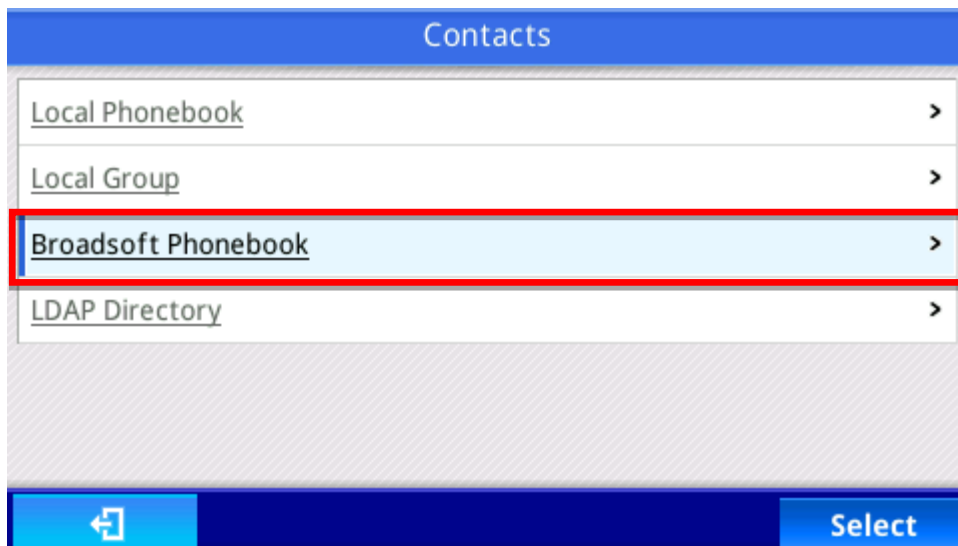


Figure 4: Contact Page

4. After entering the Broadsoft phonebook page, the LCD screen will display the enabled **BroadWorks Xsi directories**.



Figure 5: Broadsoft Phonebook Page

5. Select the destined Directory and press the **Menu/OK** button. Then the phone will download the directory entries from the BroadWorks server and will traverse to show them on the LCD screen. The following figure shows the GXP phone display the **Group Common** directory entries. It is also able to select one entries and press the "**Dial**" to make an outbound call to the contact via the Account 1 registered on the phone.



Figure 6: Broadsoft Group Common

6. Select a contact and press the **Menu/OK** button to view more details about the contact. The following figure shows an example of details of a contact:

Broadsoft Phonebook Entry	
First Name	David
Last Name	Lee
Number	+13335551003
Extension	1003
Group ID	grandstream
← Dial	

Figure 7: Broadsoft Contact Entry Page

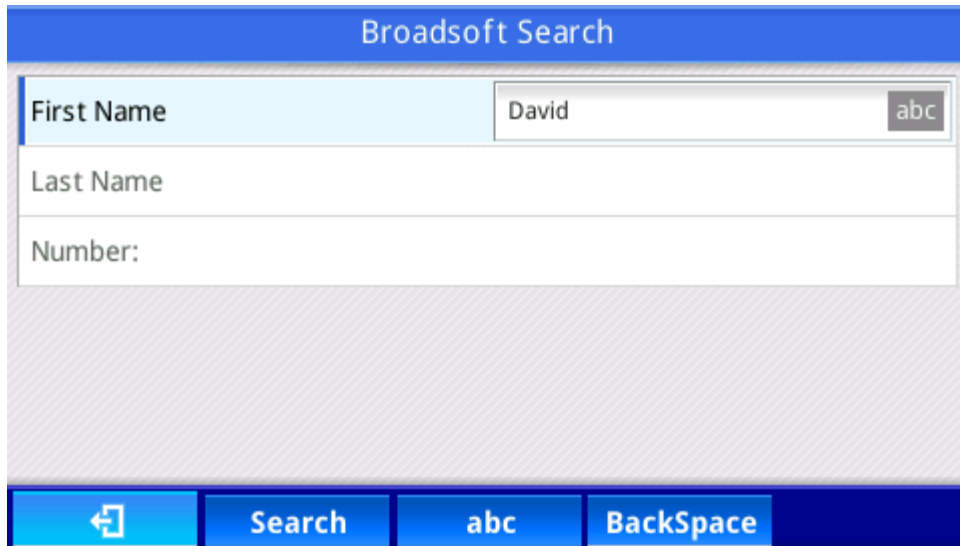
- On the phonebook entry page, scroll the page down to the bottom and select the **“Save to Phonebook”**, press the **Menu/OK** button on the keypad to save the **Broadsoft Directory** to the phone’s local contact. It is able to view the saved contact in the Local Phonebook. Please make sure the contact’s **“Number”** is not blank before saving.

Broadsoft Phonebook Entry	
Last Name	Lee
Number	+13335551003
Extension	1003
Group ID	grandstream
Edit and Dial	>
Save to Phonebook	>
← Dial Select	

Figure 8: Broadsoft Phonebook Save to Phonebook

- It is able to search the contact entries in **Group Directory**, **Group Common**, **Enterprise** and **Enterprise Common Directories**. The keyword is case-sensitive. The following figures shows that

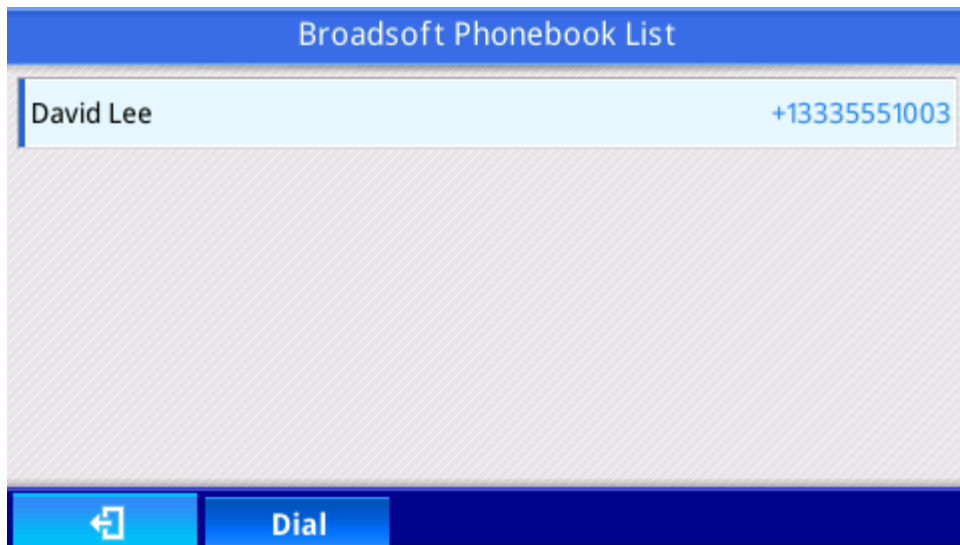
the user types “David” to search the contact whose first name matches “David” in the Group Directory. The phone will show the matched results. If the phone displays “**No Available Item**”, it indicates there is no directory entries match the keyword.

The image shows a mobile phone screen with a blue header bar labeled "Broadsoft Search". Below the header is a search form with three input fields: "First Name" (containing "David"), "Last Name", and "Number:". To the right of the "First Name" field is a small grey button labeled "abc". At the bottom of the screen is a dark blue navigation bar with four buttons: a back arrow, "Search", "abc", and "BackSpace".

Broadsoft Search	
First Name	David abc
Last Name	
Number:	

Navigation: [Back] Search abc BackSpace

Figure 9: BroadWorks Xsi Directory Search

The image shows a mobile phone screen with a blue header bar labeled "Broadsoft Phonebook List". Below the header is a list of search results. The first result is "David Lee" with a phone number "+13335551003" displayed to its right. The rest of the list area is empty. At the bottom of the screen is a dark blue navigation bar with two buttons: a back arrow and "Dial".

Broadsoft Phonebook List	
David Lee	+13335551003

Navigation: [Back] Dial

Figure 10: BroadWorks Xsi Directory Search Result

BROADWORKS XSI CALL LOGS

After configuration, users can use Broadsoft Xsi Call Logs features on GXP phones. Please follow the following steps:

1. Press the **Menu** button on the pad to enter the configuration menu.
2. Select the “**Call History**” icon.

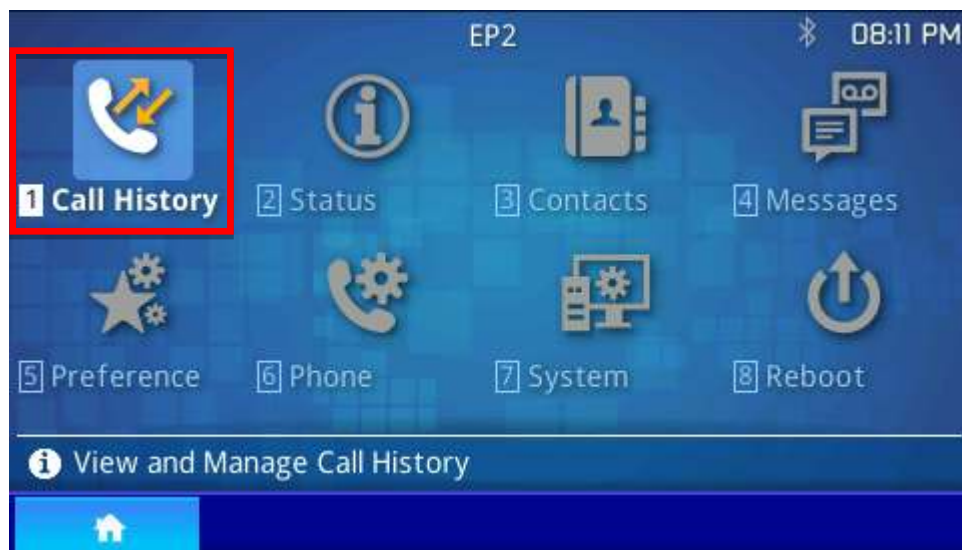


Figure 11: LCD Configuration Menu – Call History

3. Select the “**Broadsoft Call Log**”.

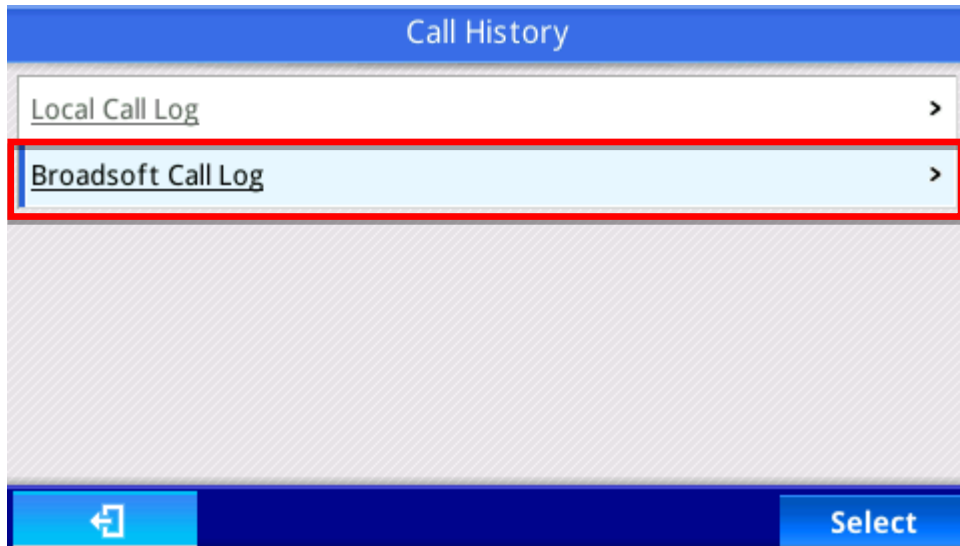


Figure 12: Call History Page

4. After entering the Broadsoft Call Log page, the LCD screen will display the enabled **BroadWorks Xsi Call Logs**.

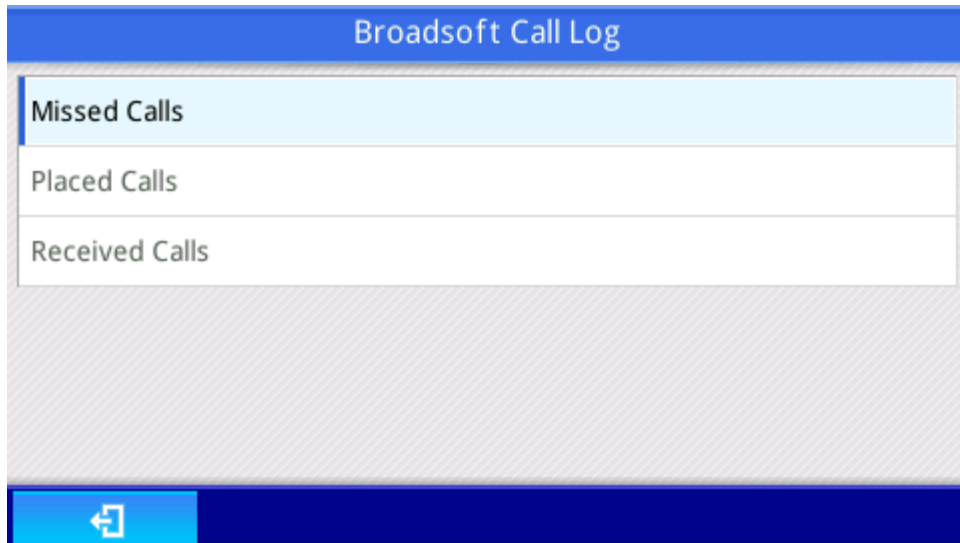


Figure 13: Broadsoft Call Log Page

5. Select the destined Call Logs category and press the **Menu/OK** button. The phone will download the call log entries from the BroadWorks server and will traverse to show them on the LCD screen. The following figure shows that the GXP phone displays the **Placed Call Logs**. It is also able to select one entries and press the **"Dial"** to make an outbound call to the contact via the Account 1 registered on the phone.

Broadsoft Call Log List	
grandstream one (1001)	06/20 18:18
grandstream one (1001)	06/20 15:05
grandstream eight (1008)	06/20 15:04
grandstream one (1001)	06/20 14:50
grandstream one (1001)	06/20 14:38



Dial

Figure 14: BTBC – Type IM&P Presence Status

6. Select a call log and press the **Menu/OK** button to view more details about the call log. The following figure shows an example of details of a call log.

Broadsoft Call Log Entry	
Name	grandstream one
Number	1001
Time	2014-06-20T15:05:10.941-05:00
Delete	>
Edit and Dial	>
Save to Phonebook	>



Dial

Figure 15: BroadWorks Call Log Entry Details

7. On this page, select the “**Delete**” and press the **Menu/OK** button; then the phone will send a delete request to the BroadWorks sever to remove the call log entry from it. After deleting, the GXP phone will update the **Call Logs** automatically.