



Grandstream Networks, Inc.

Robin SmartView IP Door System & Grandstream IP Multimedia Phones

Configuration Guide



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ROBIN SMARTVIEW IP DOOR SYSTEM & GRANDSTREAM IP MULTIMEDIA PHONES CONFIGURATION GUIDE

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INTRODUCTION

The purpose of this document is to provide basic configuration guidance for Robin Smart View IP Door System & Grandstream IP Multimedia Phones GXV3140/GXV3175.

This guide is applicable to the following Grandstream IP Multimedia Phones (GXV3140 with firmware 1.0.7.76 or higher, GXV3175v1 with firmware 1.0.3.74 or higher and GXV3175v2 with firmware 1.0.1.46 or higher)

Be aware that different firmware revisions may have different web interface formats and functionality.

This guide is describing 2 basic scenarios:

- 1- Peer Robin SmartView IP Door System with a GXV3140 or GXV3175 (Single Peer)
- 2- Robin SmartView IP Door System with Grandstream GXV3140 or GXV3175 using a SIP server

TUTORIAL ENVIRONMENT

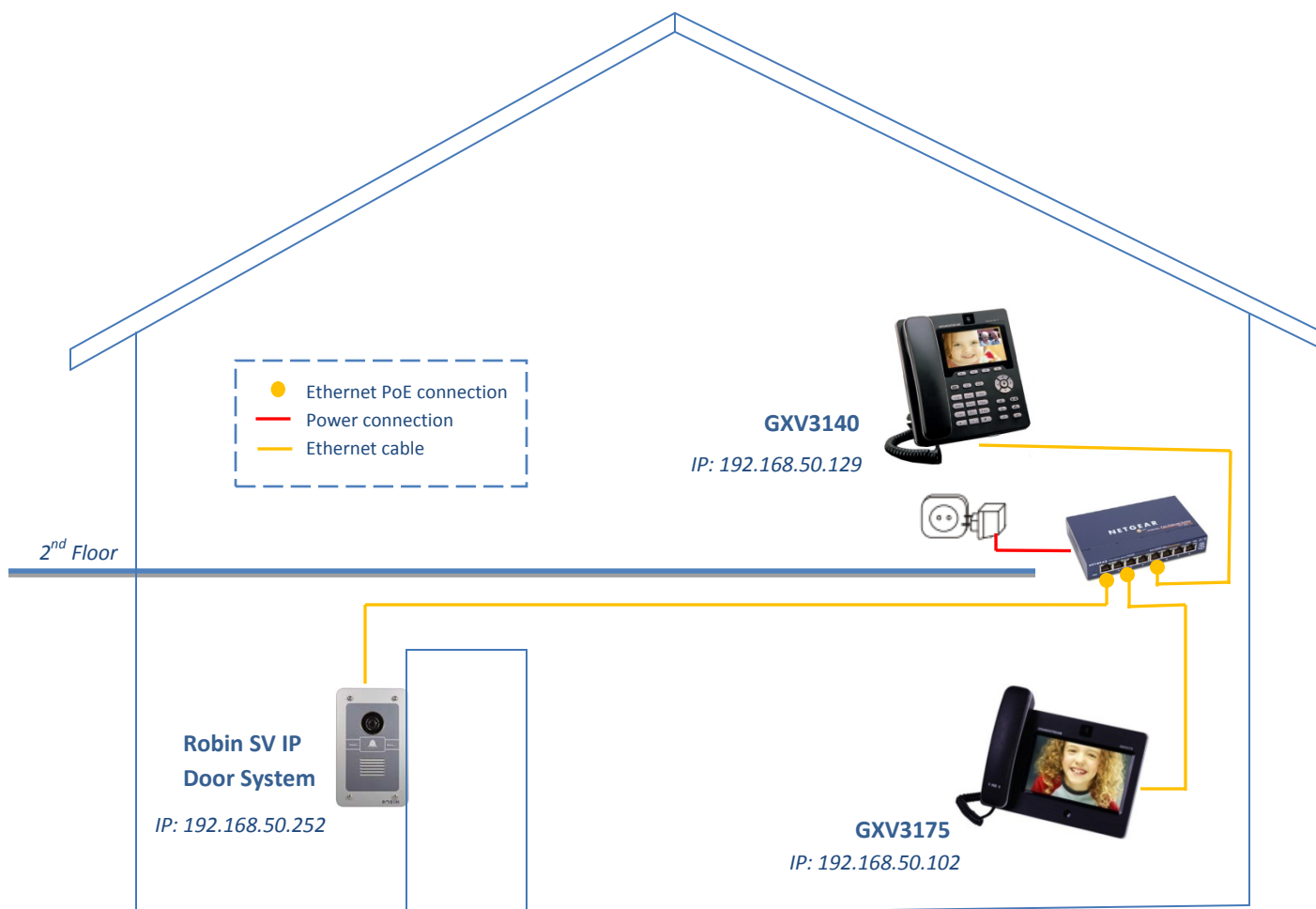
For this tutorial, we will be using Grandstream IP Multimedia Phone GXV3175v2 with firmware 1.0.1.46 and Grandstream IP Multimedia Phone GXV3140 with firmware 1.0.7.76.

- ✓ GXV3175v2 IP is 192.168.50.102
- ✓ GXV3140 IP is 192.168.50.129
- ✓ Robin SmartView IP is 192.168.50.252

Note: *Make sure that devices are set to use Static IPs; otherwise, the communication cannot be established if one of them changes its IP from original one. (This applies to First and Second scenario only)*

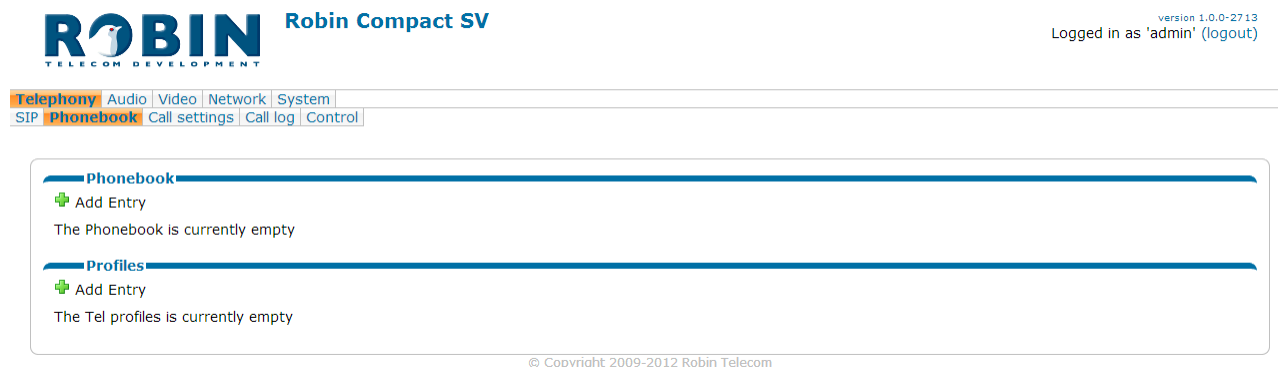
1st Scenario:

PEER ROBIN SV IP DOOR SYSTEM WITH A GXV3140 OR GXV3175 (SINGLE PEER)



STEP 1: ROBIN SMARTVIEW CONFIGURATION

- 1- Access the web interface of your Robin SmartView
- 2- Go to **Telephony > Phonebook**



ROBIN Robin Compact SV version 1.0.0-2713
Logged in as 'admin' (logout)

Telephony | Audio | Video | Network | System
SIP | **Phonebook** | Call settings | Call log | Control

Phonebook

+ Add Entry

The Phonebook is currently empty

Profiles

+ Add Entry

The Tel profiles is currently empty

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- 3- Create a phonebook entry by pressing **Phonebook “ + Add Entry “**



ROBIN Robin Compact SV version 1.0.0-2713
Logged in as 'admin' (logout)

Telephony | Audio | Video | Network | System
SIP | **Phonebook** | Call settings | Call log | Control

✘ Delete Entry

Description

Number

Profile

Allow register

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- 4- Enter a name for the phone to be peered with the Robin SV in **Description** field. In our example, we will use **GS_GXV3140**
- 5- Leave **Number** field empty, it will be filled automatically
- 6- Keep Profile unset as shown in above screenshot. We will configure it later.
- 7- Check **Allow register** box to allow the phone to register directly to the Robin SV

8- Press **Apply Settings** to confirm.

Telephony | Audio | Video | Network | System
SIP | **Phonebook** | Call settings | Call log | Control

Phonebook

+ Add Entry ✖ Delete all Phonebook

Description	Number	Profile	Allow register
GS_GXV3140		----	<input checked="" type="checkbox"/>

Apply settings

Profiles

+ Add Entry

The Tel profiles is currently empty

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9- Create a profile that will be used by the phone by pressing **Profiles “ + Add Entry “**



Robin Compact SV

version 1.0.0-2713
Logged in as 'admin' (logout)

Telephony | Audio | Video | Network | System
SIP | **Phonebook** | Call settings | Call log | Control

✖ Delete Entry

Description	Profile_GXV3140
Codec ulaw	<input checked="" type="checkbox"/>
Codec alaw	<input checked="" type="checkbox"/>
Codec gsm	<input checked="" type="checkbox"/>
DTMF event payload type	101
Codec h264	<input checked="" type="checkbox"/>
Videosize	320x240
H264 payload type	99
Codec h263 1998	<input type="checkbox"/>
Codec h263	<input type="checkbox"/>
Variable bit rate	<input type="checkbox"/>
Bitrate (kbps)	1024
Fps	0

Apply settings

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10- Enter a profile name in **Description** field. In our example, we use **Profile_GXV3140**

11- Leave other settings to default.

12- Press **Apply Settings** to confirm.

13- Select **Profile_GXV3140** for **GS_GXV3140** entry in the **Phonebook**.

Phonebook

+ Add Entry ✖ Delete all Phonebook

Description	Number	Profile	Allow register
GS_GXV3140		Profile_GXV3140	<input checked="" type="checkbox"/>

» ✖

Apply settings

Profiles

+ Add Entry ✖ Delete all Tel profiles

Description	Codec ulaw	Codec alaw	Codec gsm	DTMF event payload type	Codec h264	Codec h263 1998	Codec h263
Profile_GXV3140	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	101	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

» ✖

Apply settings

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14- Now, access **Telephony > Call Settings**

15- Select **GS_GXV3140** as **First** entry in **Call Priority** (Robin SV will dial this number when button is pressed)

Call priority

- First
- Second
- Third

Schedule

+ Add Timeslot

The Timeslots is currently empty

General

- Auto answer
- Auto answer delay seconds
- No answer timeout seconds
- Max jitter delay samples
- Call status

Apply settings

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16- Press **Apply Settings** to confirm

STEP 2: GRANDSTREAM GXV3140 OR GXV3175 CONFIGURATION

1. Access to the web interface of your IP Multimedia Phone by entering the IP of the IP Multimedia Phone on your browser.
http://<IP_Multimedia_Phone_IP> (Default; username: admin, password: admin)
(i.e. <http://192.168.50.129>)
2. Go to **Advanced Settings > General Settings** and uncheck **Use Random Port** (Default is Yes).

Use Random Port : <input type="checkbox"/> Yes
--

3. Click **Save** on the bottom of the page and then apply your settings by clicking **Apply** on the top of the page.
4. Go to **Account 1** and enter the following :

Note: In this example, we are using Account 1, but same applies to Account 2 or Account 3.

- a. **Account Active:** Yes (by enabling the check box)
- b. **Account Name:** Enter the name we specified in Phonebook entry in Robin SV. In our example, it will be GS_GXV3140
- c. **SIP Server :** Enter the IP of Robin SV (in our example : 192.168.50.252)
- d. **SIP User ID:** Enter the name we specified in Phonebook entry in Robin SV. In our example, it will be GS_GXV3140
- e. **Authenticate ID:** Same as SIP User ID. In our example, it will be GS_GXV3140
- f. **Authenticate Password:** Keep this field empty.
- g. **Name:** Enter the name we specified in Phonebook entry in Robin SV. In our example, it will be GS_GXV3140

General Settings


Account Active :	<input checked="" type="checkbox"/> Yes
Account Name :	<input type="text" value="GS_GXV3140"/>
SIP Server :	<input type="text" value="192.168.50.252"/>
SIP User ID :	<input type="text" value="GS_GXV3140"/>
Authenticate ID :	<input type="text" value="GS_GXV3140"/>
Authenticate Password :	<input type="password"/>
Voice Mail UserID :	<input type="text"/>
Name :	<input type="text" value="GS_GXV3140"/>
Tel URI :	<input type="text" value="Disable"/>

5. Save and apply your settings.
6. Go to **Account 1 > SIP Settings** and set the following :
 - a. **SIP Registration** : Yes (Check box)
 - b. **Unregister On Reboot** : Yes (Default is Yes)
 - c. **Local SIP port** : 5060 (Default is 5060)
7. Go to **Account 1 > Network Settings**, set **NAT Traversal** to **NAT NO** and click **Save**.

NAT Traversal :	<input type="text" value="NAT NO"/>
-----------------	-------------------------------------

8. Reboot the phone.

To check if the phone is successfully registered to Robin SV, access Robin SV web interface > **Telephony > Phonebook**. The field number will be filled as shown below.



Robin Compact SV

version 1.0.0-2713
Logged in as 'admin' (logout)

Telephony | Audio | Video | Network | System
SIP | Phonebook | Call settings | Call log | Control

Phonebook

+ Add Entry
 ✖ Delete all Phonebook

Description	Number	Profile	Allow register
GS_GXV3140	GS_GXV3140@192.168.:	----	<input checked="" type="checkbox"/>

»» ✖

Profiles

+ Add Entry
 ✖ Delete all Tel profiles

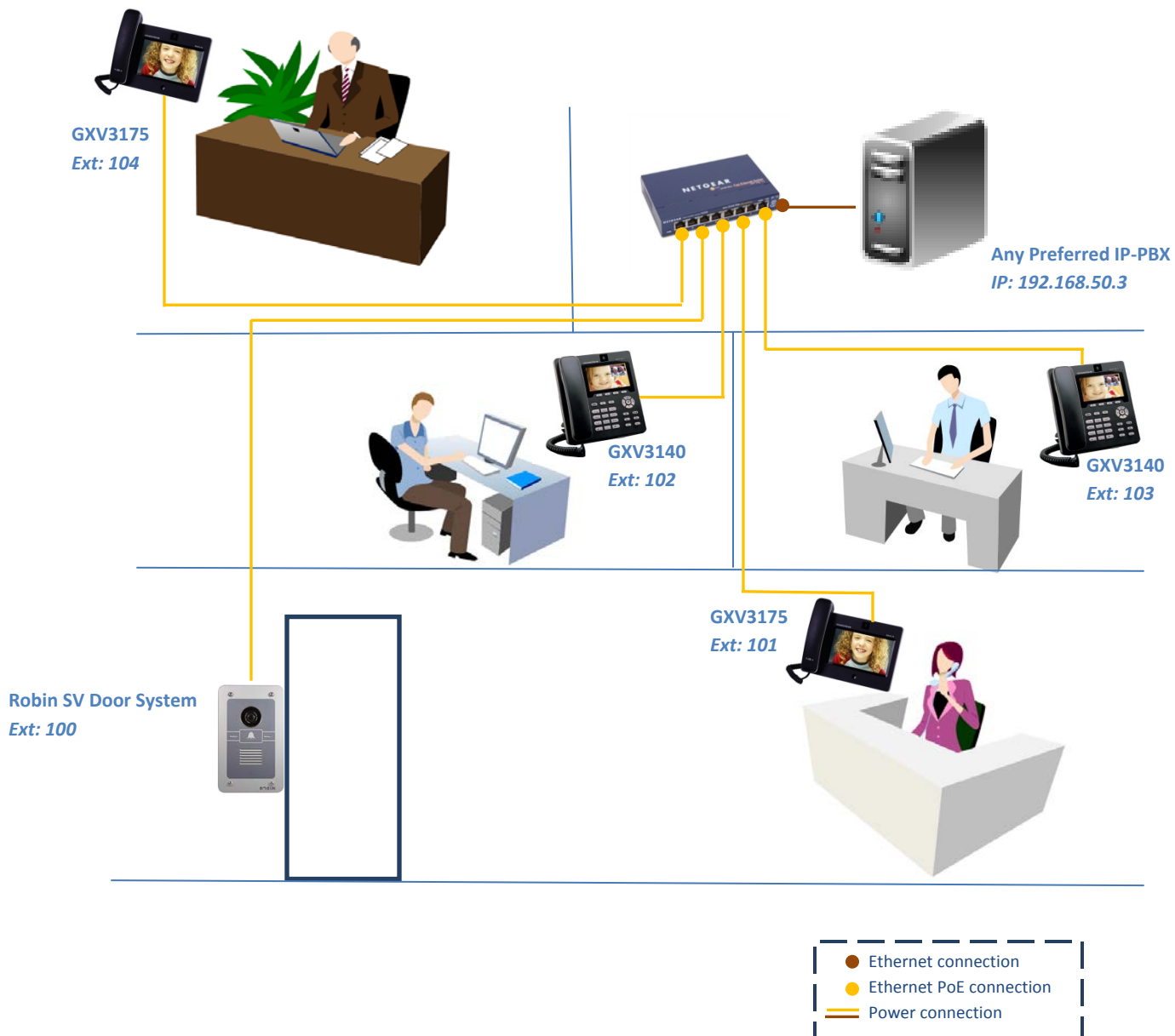
Description	Codec ulaw	Codec alaw	Codec gsm	DTMF event payload type	Codec h264	Codec h263 1998	Codec h263
Profile_GXV3140	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	101	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

»» ✖

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2nd Scenario:

ROBIN SMARTVIEW IP DOOR SYSTEM WITH GRANDSTREAM GXV3140 OR GXV3175 USING A SIP SERVER



STEP 1: ROBIN SMARTVIEW CONFIGURATION

- 1- Access the web interface of your Robin SmartView
- 2- Go to **Telephony > SIP**
- 3- Fill in your SIP Settings as shown in next figure. (In our example, we will use extension 100 and SIP Server 192.168.50.3)
- 4- Make sure to check **Register** box and the **Registration Status** is *registered*



Robin Compact SV

version 1.0.0-2713
Logged in as 'admin' (logout)

Telephony
Audio
Video
Network
System

SIP
Phonebook
Call settings
Call log
Control

SIP settings

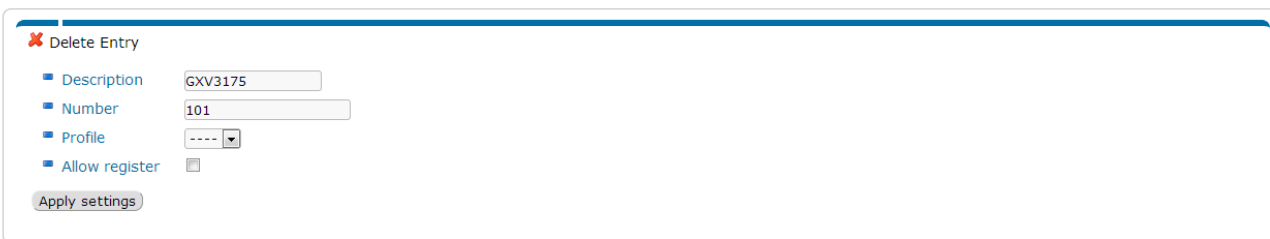
- SIP protocol Udp ▾
- SIP proxy / Registrar 192.168.50.3
- SIP proxy port number 5060
- Username 100
- Password ***
- Register
- Expires 3600
- Registration status registered

SIP advanced

- Outbound proxy
- RTP port start 4000
- RTP port end 5000
- use NAT
- Enable REFER

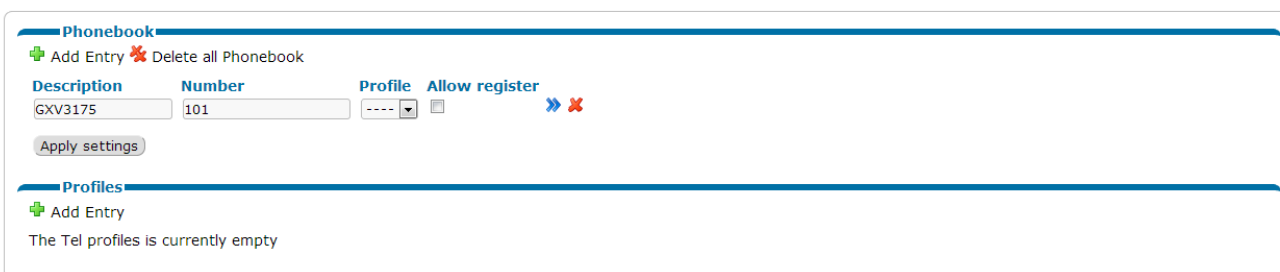
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- 5- Go to **Telephony > Phonebook**
- 6- Create a phonebook entry by pressing **Phonebook “ + Add Entry “**



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- 7- Enter a name for the phone to be used with the Robin SV in **Description** field. In our example, we will use **GXV3175**
- 8- Enter the extension number of the phone in **Number** field
- 9- Keep Profile unset as shown in above screenshot. We will configure it later.
- 10- Keep **Allow register** box unchecked
- 11- Press **Apply Settings** to confirm.



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- 12- Create a profile that will be used by the phone by pressing **Profiles “ + Add Entry “**

Profile_GXV3175

✘ Delete Entry

- Description
- Codec ulaw
- Codec alaw
- Codec gsm
- DTMF event payload type
- Codec h264
- Videosize
- H264 payload type
- Codec h263 1998
- Codec h263
- Variable bit rate
- Bitrate (kbps)
- Fps

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13- Enter a profile name in **Description** field. In our example, we use **Profile_GXV3175**

14- Leave other settings to default.

15- Press **Apply Settings** to confirm.

16- Select **Profile_GXV3175** for **GXV3175** entry in the **Phonebook**.

Phonebook

+ Add Entry ✘ Delete all Phonebook

Description	Number	Profile	Allow register
<input type="text" value="GXV3175"/>	<input type="text" value="101"/>	<input type="text" value="Profile_GXV3175"/>	<input type="checkbox"/>

Profiles

+ Add Entry ✘ Delete all Tel profiles

Description	Codec ulaw	Codec alaw	Codec gsm	DTMF event payload type	Codec h264	Codec h263 1998	Codec h263
<input type="text" value="Profile_GXV3175"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="101"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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17- Now, access **Telephony > Call Settings**

18- Select **GXV3175** as **First** entry in **Call Priority** (Robin SV will dial this number when button is pressed)

Call priority

- First
- Second
- Third

Schedule

[+ Add Timeslot](#)
The Timeslots is currently empty

General

- Auto answer
- No answer timeout seconds
- Max jitter delay samples
- Call status idle

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19- Press **Apply Settings** to confirm.


STEP 2: GRANDSTREAM GXV3140 OR GXV3175 CONFIGURATION

1. Access to the web interface of your IP Multimedia Phone by entering the IP of the IP Multimedia Phone on your browser.
http://<IP_Multimedia_Phone_IP> (Default; username: admin, password: admin)
(i.e. <http://192.168.50.132>)
2. Go to **Account 1** and enter the following :
 - a. **Account Active** : Yes (by enabling the check box)
 - b. **Account Name** : Any name (for example : 101)
 - c. **SIP Server** : Enter the IP of the SIP Server (in our example : 192.168.50.3)
 - d. **SIP User ID** : Enter SIP User ID as configured in SIP Server (for example : 101)
 - e. **Authenticate ID** : Enter Auth. ID as configured in SIP Server (for example : 101)
 - f. **Authenticate Password** : Enter Auth. Password as configured in SIP Server (for example : Grandstream)
 - g. **Name** : Any name (for example : 101)

General Settings

Account Active :	<input checked="" type="checkbox"/> Yes
Account Name :	<input type="text" value="101"/>
SIP Server :	<input type="text" value="192.168.50.3"/>
SIP User ID :	<input type="text" value="101"/>
Authenticate ID :	<input type="text" value="101"/>
Authenticate Password :	<input type="password" value="..."/>
Voice Mail UserID :	<input type="text" value="999"/>
Name :	<input type="text"/>
Tel URI :	<input type="text" value="Disable"/>

3. Repeat **Save** and **Apply** to save and apply your settings.
4. Go to **Account 1 > SIP Settings** and set the following :
 - a. **SIP Registration** : Yes (Enable the check box)
 - b. **Unregister On Reboot** : Yes (Default is Yes)
 - c. **Local SIP port** : 5060 (Default is 5060)
5. Go to **Account 1 > Network Settings**, set **NAT Traversal** to **NAT NO** and click **Save**.

NAT Traversal :	NAT NO	
-----------------	--------	---