

ROBIN Tech Note

Version: 1.0.2 ENG Datum: 7-06-2018



se the Robin Peer-to-Peer - Grandstream :0|-M

About this Tech Note

This Tech Note is meant for the following Robin products::

- C03060 C03067 : Proline SIP
- C03050 C03058 : Proline SV
- C03071 C03074 : Proline Classic SV
- C01060 C01068 : Compact SIP
- C02050 C02058 : Compact SV

Software release 3.0.0 and higher



Peer to Peer

The Robin products (SV, CV, HV and SIP) can be connected directly to a SIP telephone set or softphone, without the use of a SIP PBX. This is called a Peer to Peer connection.

In this How-To: document we will use a GrandStream GXV-3140 telephone to make the connection to the Robin SV. We are using an unconfigured Robin SV.

The configuration of the Robin SV

Log in to the Robin SV and navigate to -Telephony-Phonebook-.

ROBIN Robin Compact SV Vertice 1.0.2-243 Logged in as 'admin' (logout)
Telephony Audio Video Network System SIP Phonebook Call settings Voicemail Call log Control
Phonebook
I Add Entry
The Phonebook is currently empty
Profiles
I Add Entry
The Tel profiles is currently empty

Telephony / Phonebook

1. We start by creating a Phonebook entry in the Robin SV. - *To do this, click on '+ Add Entry'.*

ROBIN Robin Compact SV	version 1.0.0-2413 Logged in as 'admin' (logout)
Telephony Audio Video Network System	
Promebook Call settings voicemail Call log Control	
Description Grandstream Number Description Grandstream	
Allow register	
© Copyright 2009-2011 Robin Telecom	

- 2. Choose a name for the phone that will be connected to the Robin SV. This will be the 'Description'. - *In this example we use 'Grandstream' as the description.*
- 3. Leave the 'Number'-field empty. *It will be filled in automatically.*
- 4. Check the 'Allow register' box. This enables the possibility for a SIP client (in this case the Grandstream) to register directly to the Robin SV.
- 5. Confirm the input with the 'Apply settings' button.



ROBIN Robin Compact SV	Version 1.0.0-2413 Logged in as 'admin' (logout)
Telephony Audio Video Network System	
SIP Phonebook Call settings Voicemail Call log Control	
Phonebook Add Entry & Delete all Phonebook Description Number Profile Allow register Grandstream Apply settings Profiles	
🕈 Add Entry	
The Tel profiles is currently empty	

6. Create a profile that will be used by this telephone, in our case the Grandstream. - To do this, click on -Profiles- '+ Add Entry'.

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Phonebook Call settings Voic	ystem mail Call log Control	
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Description	Profile SS	
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Codec alaw	e	
Codec gsm	e	
DTMF event payload type	101	
Codec h264	I	
Videosize	320×240 \$	
H264 payload type	99	
Codec h263 1998		
Codec h263		
Variable bit rate		
Bitrate (kbps)	1024 \$	
Fps	0	
Apply settings		
Abbit servings		
	@ Greenstekk 2000 2014 Dable Telever	

- 7. In the 'Description' field, enter a fitting name for this profile. *We use 'Profile GS' as the description.*
- 8. For the Grandstream GXV3140, you can leave the settings as they are. In this example, we only use H.264 as the video-codec. The video resolution of 320 x 240 is the highest possible resolution of this Grandstream. It's possible that other phones are capable of displaying higher resolution video.
- 9. Confirm the input with the 'Apply settings' button.



10. Select the 'Profile GS' for the 'Grandstream' entry in the 'Phonebook'.

ROBIN Robin Compact SV	version 1.0.0-2413 Logged in as 'admin' (logout)
Telephony Audio Video Network System	
SIP Phonebook Call settings Voicemail Call log Control	
Phonebook	
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Apply settings	
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Profiles	
P Add Entry 🛠 Delete all Tel profiles	
Description Codec ulaw Codec alaw Codec gsm DTMF event payload type Codec h264 Codec h263 1998 Codec h263	
Apply settings	
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© Copyright 2009-2011 Robin Telecom	

Telephony / Call settings

RJBI	Robin Compact	SV		version 1.0.0-2413 Logged in as 'admin' (logout)
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Call priority First Grandstre Second Third Schedule Add Timeslot	am : ;			
The Timeslots is current	y empty			
 Auto answer Auto answer delau 				
 Auto answer timeout 	4 seconds			
 Max jitter delay 	8000 samples			
Call status	idle			
Apply settings				
		© Copyright 2009-20	111 Robin Telecom	

After we finished the 'Phonebook' part of the configuration, the only thing left to do is select the number to dial.

11. Select the 'Grandstream' as 'First' entry. - *The Robin SV will dial this number when the button is pressed.*

The configuration of the Robin SV is done. The next step is to configure the Grandstream GXV3140.

The configuration of the Grandstream GXV3140

Log in to the web interface of the Grandstream.



Status	Account 1	Account 2	Account 3	Advanced Setting	Maintenance	Application Setting	
General Settings Network Settings			Genera	al Settings			0
SIP Settings Codec Settings Call Settings	Account Act Account Nai SIP Server : SIP User ID Authenticate Authenticate Voice Mail L Name : Tel URI :	ve : ne : : ID : Password : iserID :		□Yes 			
			Save		Cancel		

We use 'Account 1', Account two, three or for will work just the same.

! Note: In this example we assume that the Grandstream is new out-of-the-box. It has not been configured before and is at 'factory default'. If the Grandstream is used before in an other situation it is possible that some setting may have been changed. These changes can be the cause of communication problems between the Robin SV and the Grandstream. !

General Settings StP Settings General Settings Codec Settings Account Active : ØYes Call Settings Account Active : ØYes SiP Settings Account Name : Grandstream SiP Server : 10.0.0.144 SiP User ID : SiP User ID : Grandstream Authenticate ID : Grandstream Authenticate ID : Grandstream Authenticate ID : 726 Name : Grandstream Voice Mail UserID : 726 Name : Grandstream	General Settings General Settings StP Settings Account Active : Codec Settings Account Active : Call Settings Account Active : SIP Server : 10.0.144 SIP Server : 10.0.144 SIP User ID : Grandstream Authenticate ID : Grandstream Authenticate ID : Grandstream Authenticate ID : Grandstream			Account 3	Advanced Setting	Maintenance	Application Setting	
Codec Settings Codec Settings Call Settings SIP Server : SIP Server :	SIP Settings Account Active : SIP Settings Codec Settings Account Name : SIP Server : SIP Server : 10.00.144 SIP User ID : Grandstream Authenticate ID : Grandstream Authenticate Password : Image: Sip Server :	General Settings		Genera	I Settings			0
Codec Settings Account Active : MY88 Account Name : Grandstream SIP Server : 10.0.144 SIP User ID : Grandstream Authenticate ID : Grandstream Authenticate Password : Voice Mail UserID : Voice Mail UserID : '26 Name : Grandstream	Codec Settings Account Active : © Yes Call Settings Account Name : Grandsteaw SIP Server : 10.0.0.144 SIP User ID : Grandsteaw Authenticate ID : Grandsteaw Authenticate Password : Image: Comparison of the second secon	SIP Settings						
Call Settings SIP Server : 10:0.144 SIP User ID : Grandstream Authenticate ID : Grandstream Authenticate Password : Voice Mail UserID : 26 Name : Grandstream Tull VD : Voice Mail UserID : 126	Call Settings SIP Server: 10.0.0.144 SIP User ID: Grandstateam Authenticate ID: Grandstateam Authenticate Password :	Codec Settings	Account Active :		✓ Yes			
SIP User ID : Grandstream Authenticate ID : Grandstream Authenticate Password : Voice Mail UserID : *26 Name : Grandstream	SIP User ID : Grandstream Authenticate ID : Grandstream Authenticate Password :	Call Settings	SIP Server :		10.0.0.144			
Authenticate ID : Grandstream Authenticate Password : Voice Mail UserID : *26 Name : Grandstream	Authenticate ID : Grandstream Authenticate Password :		SIP User ID :		Grandstream			
Authenticate Password : Voice Mail UserID : *26 Name : Grandstream	Authenticate Password :		Authenticate ID :		Grandstream			
Voice Mail UserID : 26 Name : Grandstream			Authenticate Password :					
	Voice Mail UserID : 26		Voice Mail UserID :		*26			
Lei USU: User=Phone	Name : uradostream		Name : Tel URI :		User=Phone			

Configure the account as shown above. It is important that the password field stays empty. Confirm the input with the 'Save' button. Usualy a reboot of the Grandstream is neseccary for changes to take effect.



Finishing the configuration

When the Grandstream is back on line, the account status is shown in the display. It should be active.

To double check the registration, log in to Robin SV and navigate to -Telephony-Phonebook-.

ROBIN Robin Compact SV	version 1.0.0-2413 Logged in as 'admin' (logout)
elephony Audio Video Network System	
Phonebook	
🕈 Add Entry 🕺 Delete all Phonebook	
Description Number Profile Allow register	
Grandstream Grandstream 10.0.0.1; Profile GS 🕈 🗹 🥬	
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 GS Ø Ø Ø 101 Ø □ ≫ ¥	
Apply settings	
© Copyright 2009-2011 Robin Telecom	

The 'Number' field will be filled in and the Robin SV will be able to call the Grandstream. Test the communication by pushing on the bell symbol on the Robin SV.

For a more detailed description of the Robin SV interface and features, please check the manual that came with the Robin SV.

