



TELECOM DEVELOPMENT

# ROBIN

## Tech Note

Version: 1.0.3 ENG  
Datum: 7-06-2018

**How-To:  
Use the Robin Peer-to-Peer - Bria3-mobile**

## 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 SmartView (SV) or Robin SIP can be connected directly to a SIP telephone 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 the Counterpath Bria3 softphone (in short: Bria3) to make the connection to the Robin SV. The Robin SV has a factory default configuration.

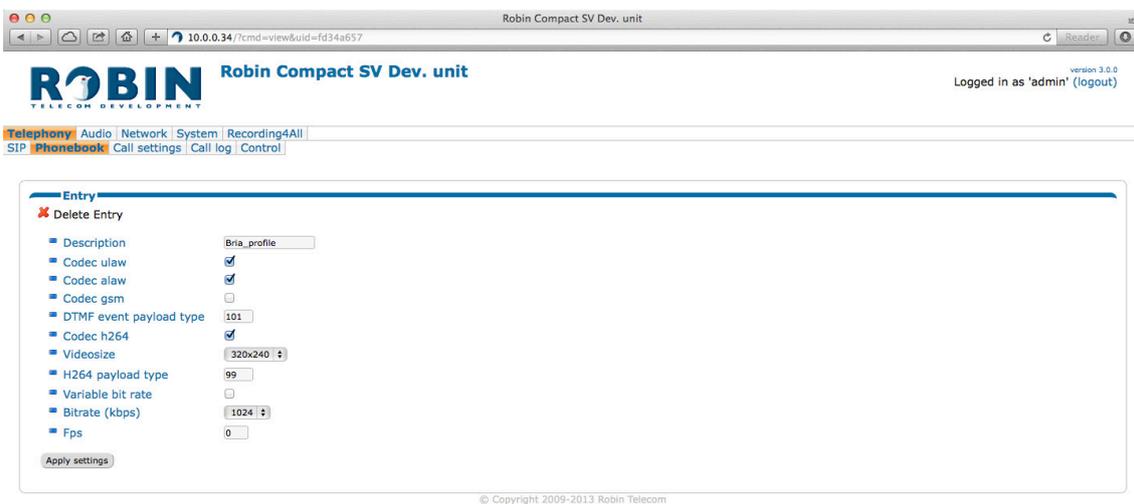
### The configuration of the Robin SV

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



### Telephony / Phonebook

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



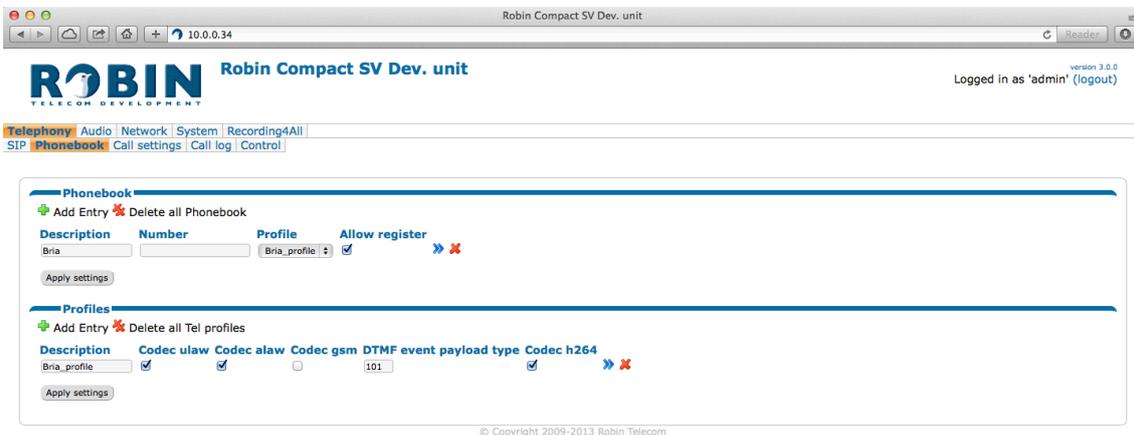
2. In the 'Description' field, enter a fitting name for this profile. - *We use 'Bria\_profile' as the description.*

3. Un-check the option 'Codec GSM'

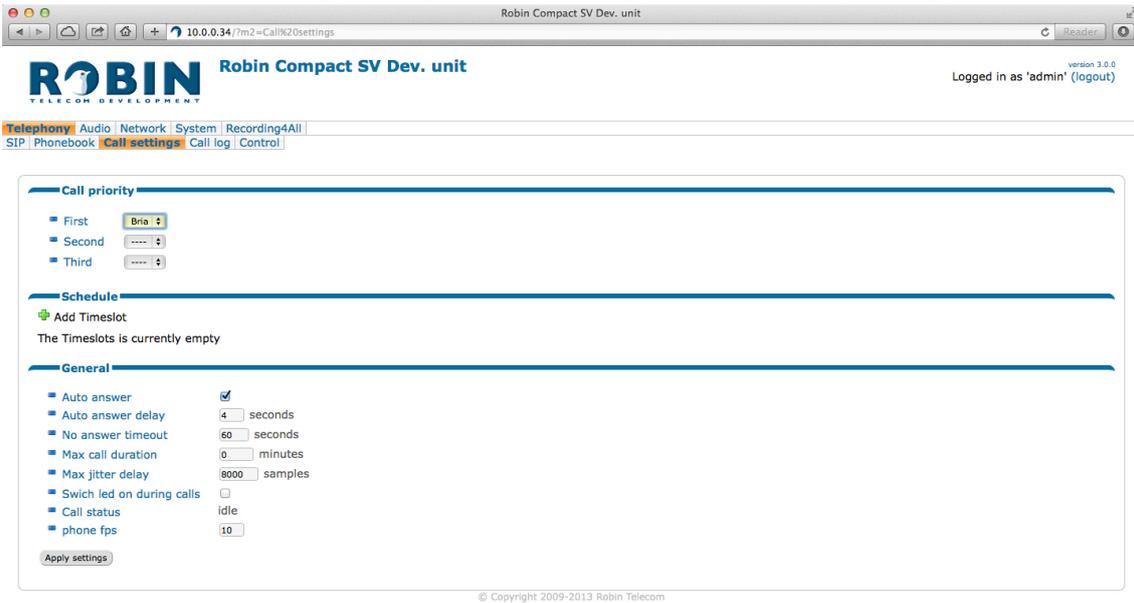
- Confirm the input with the 'Apply settings' button.



- Next, create a Phone book entry for the Bria3. - *To do this, click on -Phonebook- '+ Add Entry'.*
- Choose a name for the phone that will be connected to the Robin SV. This will be the 'Description'. - *In this example we use 'Bria' as the description.*
- Leave the 'Number'-field empty. - *It will be filled in automatically.*
- Select as the Profile the just created 'Bria\_profile'
- Check the 'Allow register' box. - *This enables the possibility for a SIP client (in this case the Bria3) to register directly to the Robin SV.*
- Confirm the input with the 'Apply settings' button.



## Telephony / Call settings



The screenshot shows the web interface of the Robin Compact SV Dev. unit. The browser address bar displays '10.0.0.34/?m2=Call%20settings'. The page title is 'Robin Compact SV Dev. unit' and the user is logged in as 'admin'. The navigation menu includes 'Telephony', 'Audio', 'Network', 'System', 'Recording4All', 'SIP', 'Phonebook', 'Call settings', 'Call log', and 'Control'. The 'Call settings' section is active and contains three sub-sections: 'Call priority', 'Schedule', and 'General'. Under 'Call priority', the 'First' entry is set to 'Bria', while 'Second' and 'Third' are empty. The 'Schedule' section shows 'Add Timeslot' and 'The Timeslots is currently empty'. The 'General' section includes settings for 'Auto answer' (checked), 'Auto answer delay' (4 seconds), 'No answer timeout' (60 seconds), 'Max call duration' (0 minutes), 'Max jitter delay' (8000 samples), 'Swich led on during calls' (unchecked), 'Call status' (idle), and 'phone fps' (10). An 'Apply settings' button is located at the bottom of the 'General' section. A copyright notice '© Copyright 2009-2013 Robin Telecom' is visible at the bottom of the page.

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

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

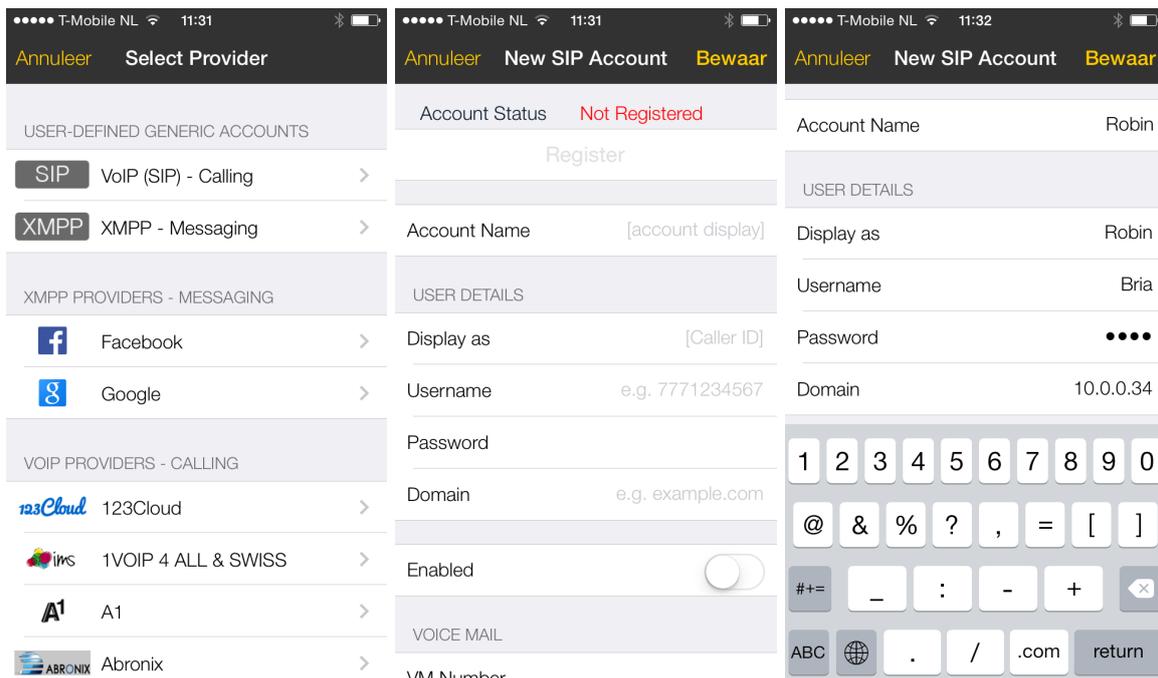
The configuration of the Robin SV is done. The next step is to configure the Bria3 on the smart-phone.

## The configuration of the Bria3 softphone

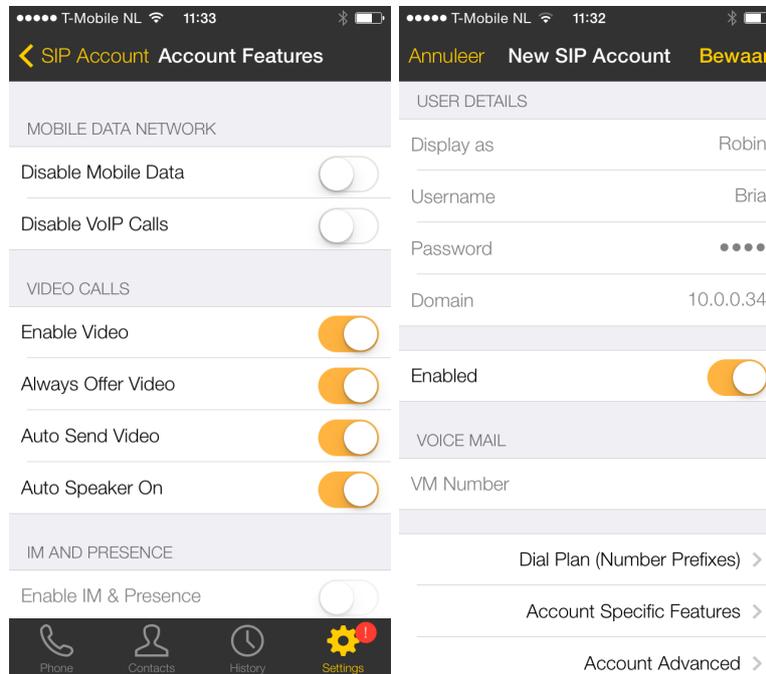
***! Note: To enable video in the Bria3, you will need to purchase the Premium feature 'Video Calls'. This is an 'in-app purchase' from the Bria3 App. !***

Start the Bria3 App and go to 'Settings'.

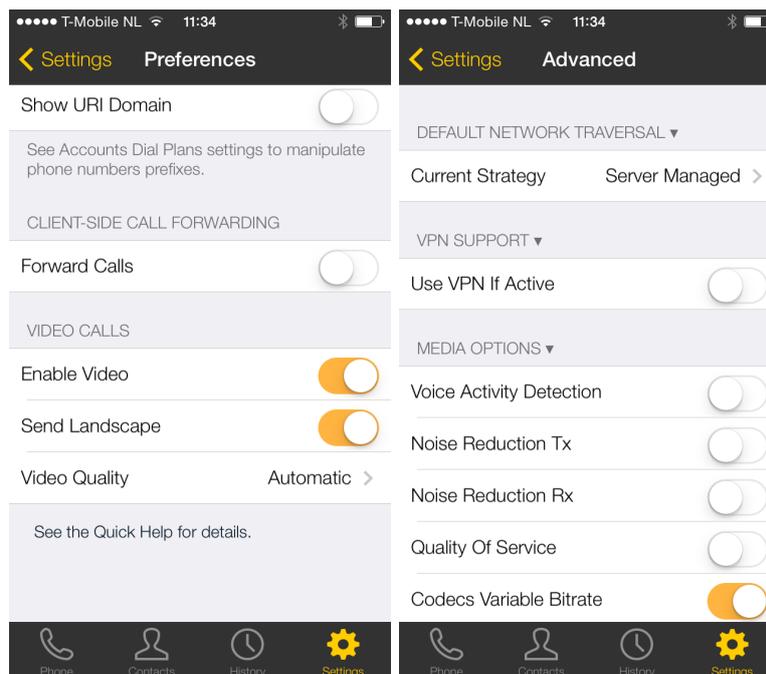
1. Press the '+' sign on the top right of the App to create a new account. Select 'SIP' (VoIP)
2. Account Name=Robin, Display as=Robin, Username=Bria, password=Bria, Domain=<the IP-address of the Robin>



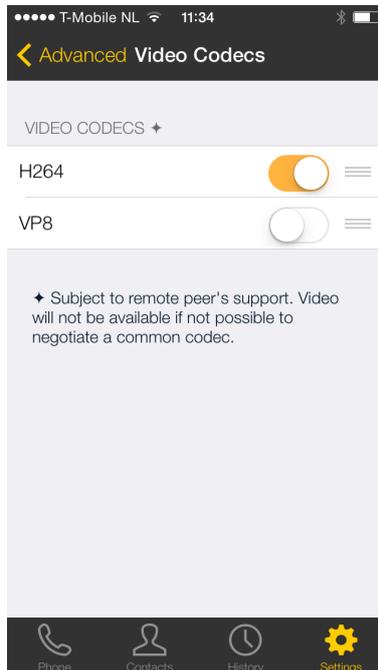
3. Scroll to the bottom, click on 'Account specific features'. Make sure that all the options under 'Video calls' are enabled.
4. Return to accounts, enable the account and save the SIP-account.



5. Open the 'Preferences', Enable the options: Enable Video and Send landscape. For the Video Quality choose 'Automatic'
6. Open the 'Advanced settings', for the 'Current Strategy' choose Server Managed.



7. Scroll down to 'Video codecs' and disable 'VP8'. Make sure that 'H264' is positioned above 'VP8'

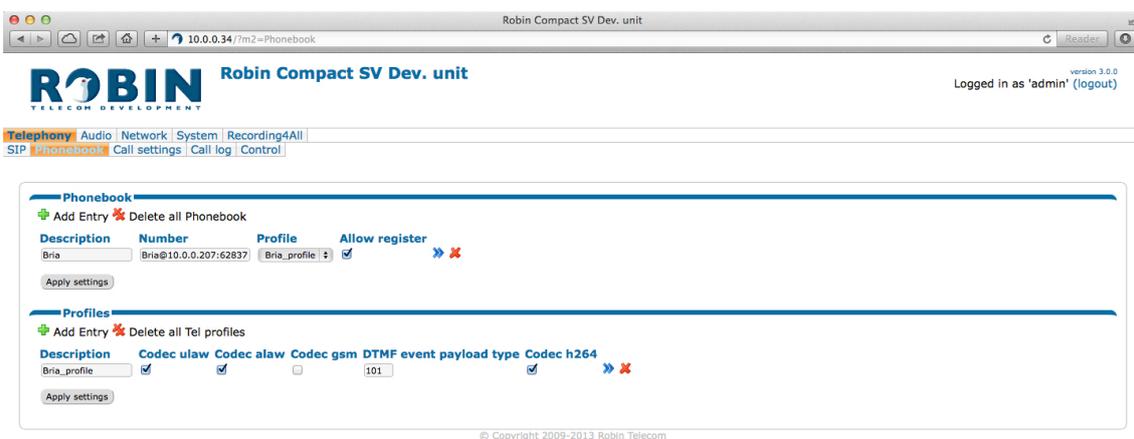


This ends the configuration of the Bria3 softphone.

## Finishing the configuration

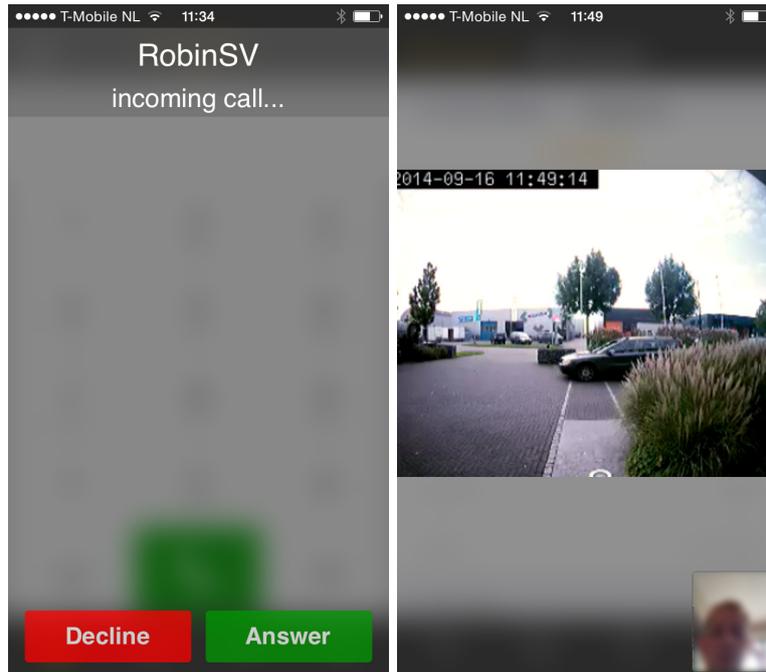
When the Bria3 is configured you can check the registration status in the GUI of the Robin SV.

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



The 'Number' field will be filled in and the Robin SV will be able to call the Bria3.

On the Robin, press on the 'Bell-symbol' on the front of the Robin to initiate a call to the Bria 3.



***! Note: Please make sure that the WiFi signal to the smartphone is good. If you're experiencing distorted video / audio, check the WiFi access point for Quality of Service (QoS) settings. If necessary, enable VoIP priority to the IP address of the Robin. !***

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