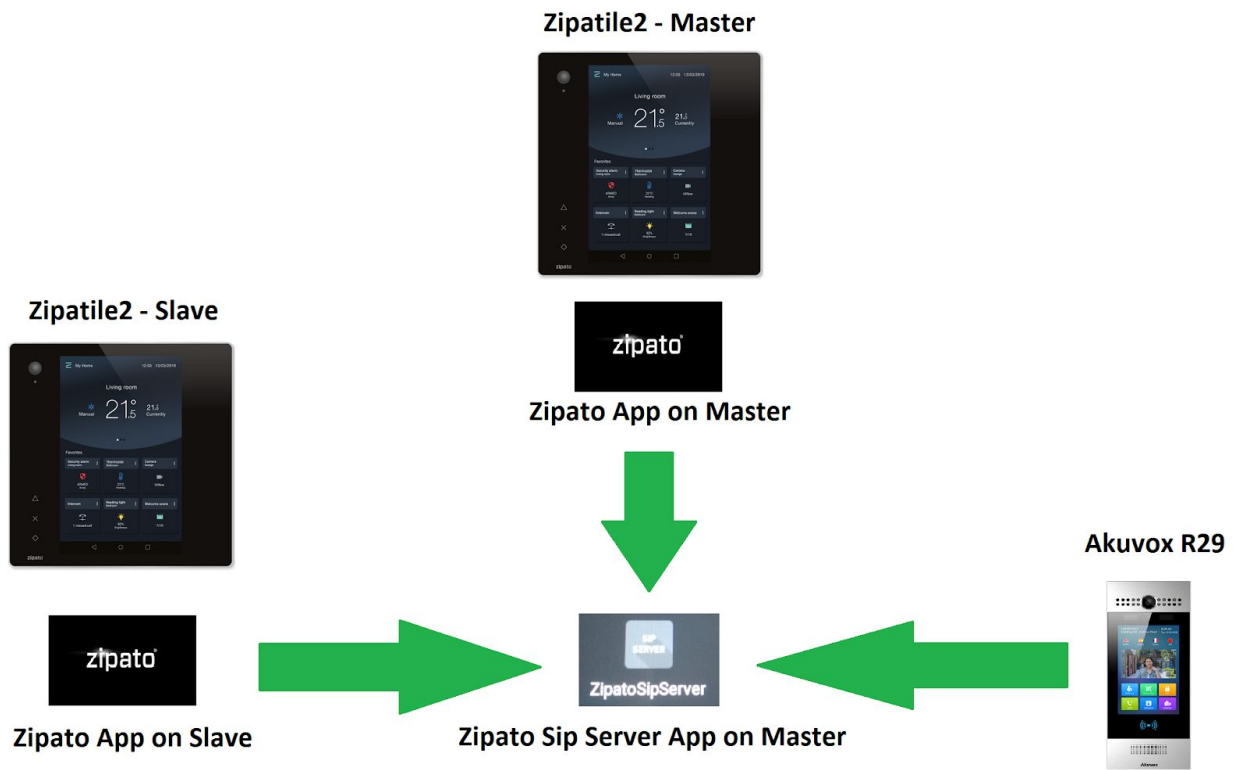


ZIPATO - Zipatile2 SIP server configuration

Zipatile Home App Version	Zipabox App Version	SIP Server Version
3.1.4	1.3.101ut2	1.6.1

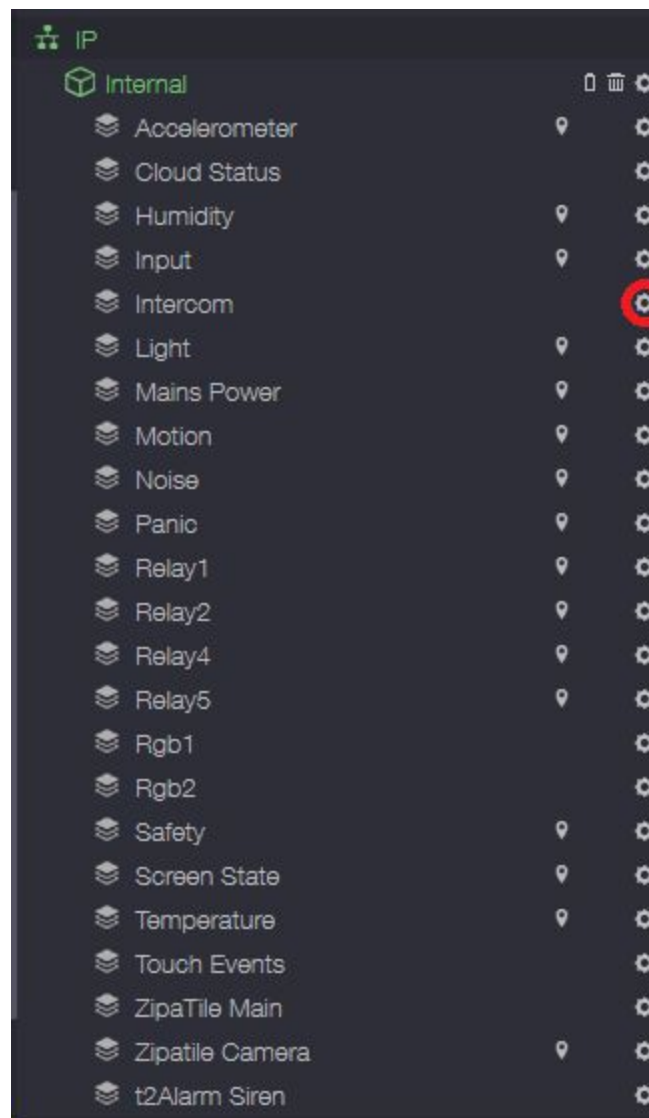
Preview of the setup



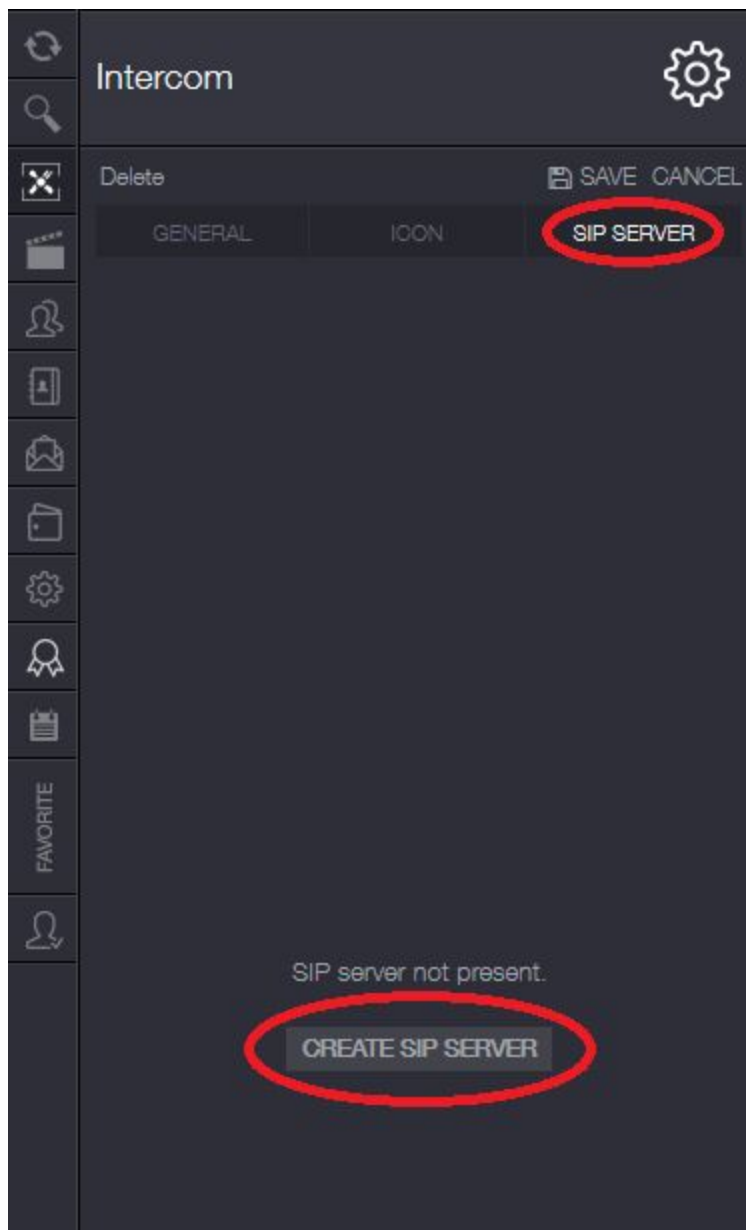
#1 SIP Configuration on the WEB APP

First we are going to set up the SIP server on the Zipatile2.

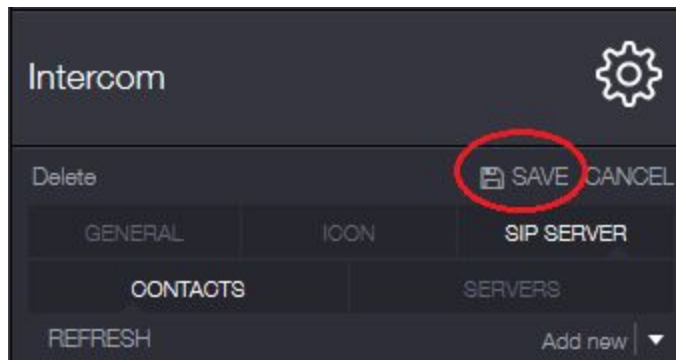
Login to my3.zipato.com, select your system and open up the **Internal** settings of the Zipatile2 you want to be the SIP server (this Zipatile2 needs to be the master), then select the gear icon next to the **Intercom**.



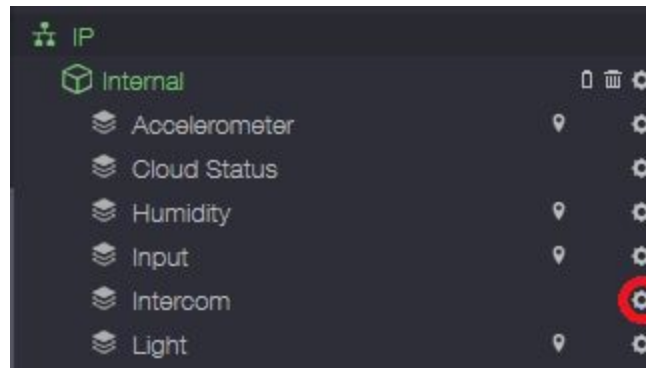
On the upper part select **SIP SERVER** option and then in the lower part select **CREATE SIP SERVER** option:



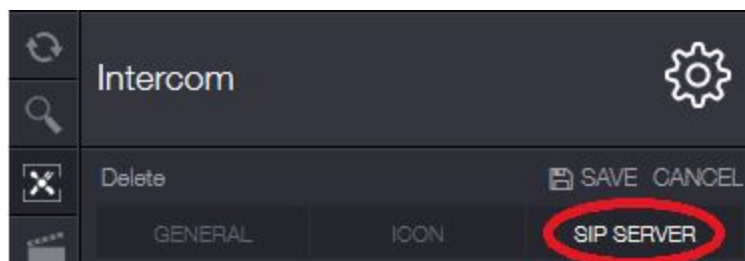
After the loading has finished, a list of all possible members will be generated. Select **SAVE** option in the upper right corner.



This will bring you back to Internal settings again. Select the gear icon next to Intercom again.

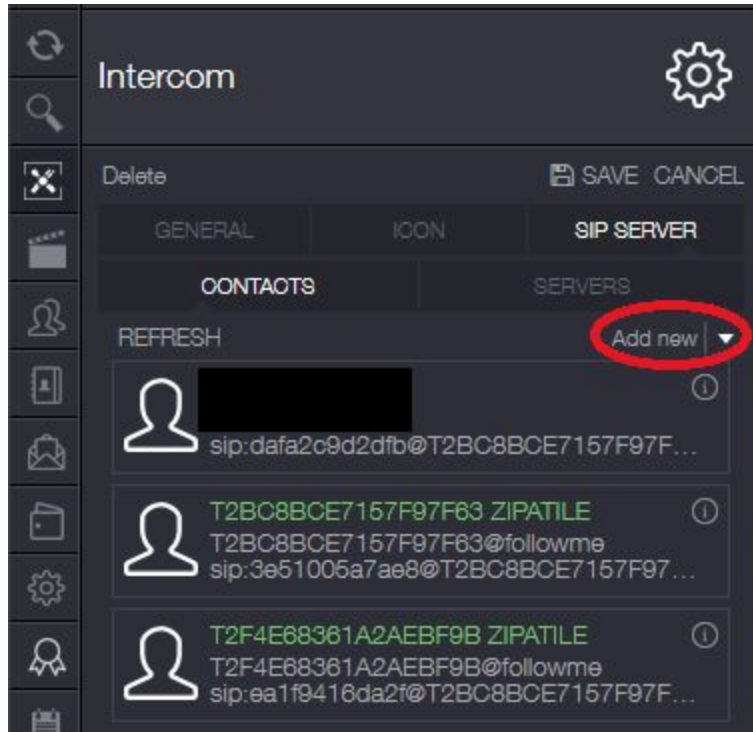


And select the **SIP SERVER** option in the upper right corner of the Intercom settings again.

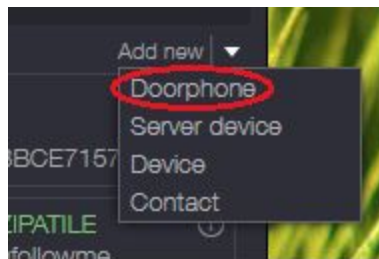


Here we will create a new user for the Akuvox R29 device.

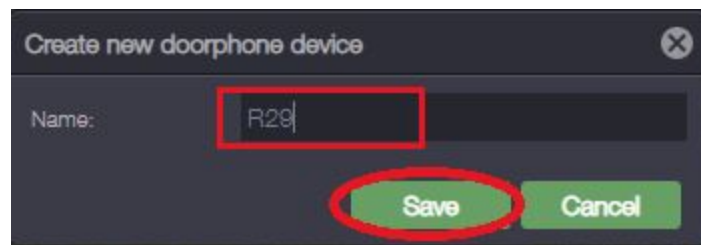
Select Add new option in the upper right part of the interface:



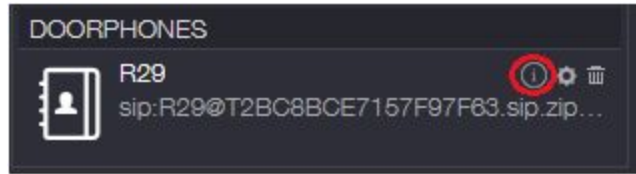
In the drop down menu select Doorphone:



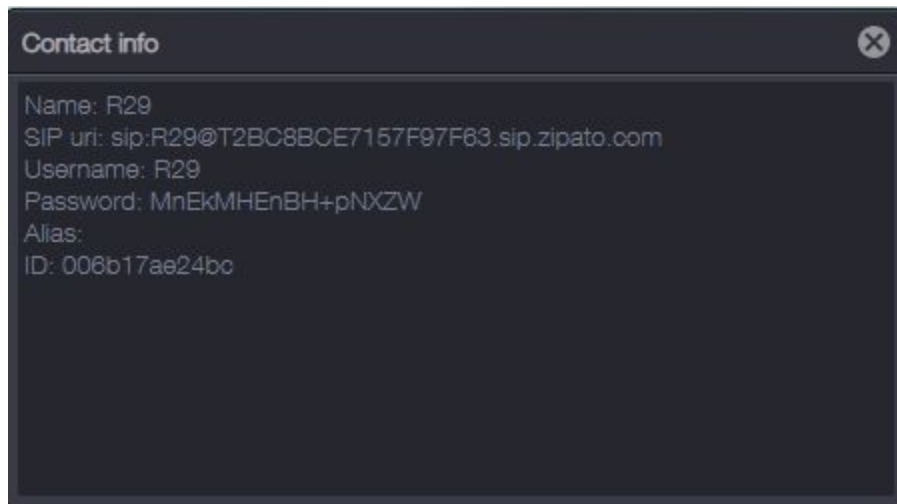
Name your Doorphone device and Save:



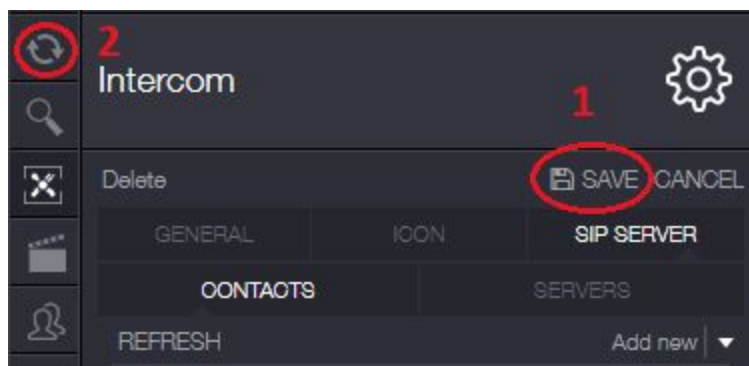
After that the new contact will be visible in the Contacts. Select the info icon on the contact:



This is the info we will be using to configure the Akuvox login information:



After that press SAVE to save all the changes to SIP server configuration and once again press Synchronize to sync those changes to the SIP server app on the Zipatile2:



#2 Connecting Akuvox to Zipato SIP Server app

After that, log into your Akuvox R29 device:

Status		Status	
Product Information			
Model	R29S	MAC Address	0C:11:05:08:93:B0
Firmware Version	29.30.1.815	Hardware Version	29.3.0
Network Information			
LAN Port Type	DHCP Auto	LAN Link Status	Connected
LAN IP Address	172.16.1.15	LAN Subnet Mask	255.255.255.0
LAN Gateway	172.16.1.1	LAN DNS1	172.16.1.1
LAN DNS2			
Account Information			
Account1	R29C@T2BC8BCE7157F..	Account2	None@None
	Registered		Disabled

Select **Account** → **Basic** menu and fill out the required information with the contact information from before:

Contact info

Name: R29
SIP uri: sip:R29@T2BC8BCE7157F97F63.sip.zipato.com
Username: R29
Password: MnEkMHEnBH+pNXZW
Alias:
ID: 006b17ae24bc

Account-Basic

SIP Account #6

Status: Registered
Account Active: Enabled
Display Name: R29
User Name: R29
Account: Account 1
Display Label: R29
Register Name: R29
Password: [Masked]

SIP Server 1

Server IP: T2BC8BCE7157F97F63.sip.z Port: 5060
Registration Period: 1800 (30~65535s)

SIP Server 2

Server IP: Port: 5060
Registration Period: 1800 (30~65535s)

Outbound Proxy Server

Enable Outbound: Enabled #4
Server IP: 172.16.1.36 Port: 5060
Backup Server IP: Port: 5060

Transport Type

Transport Type: UDP

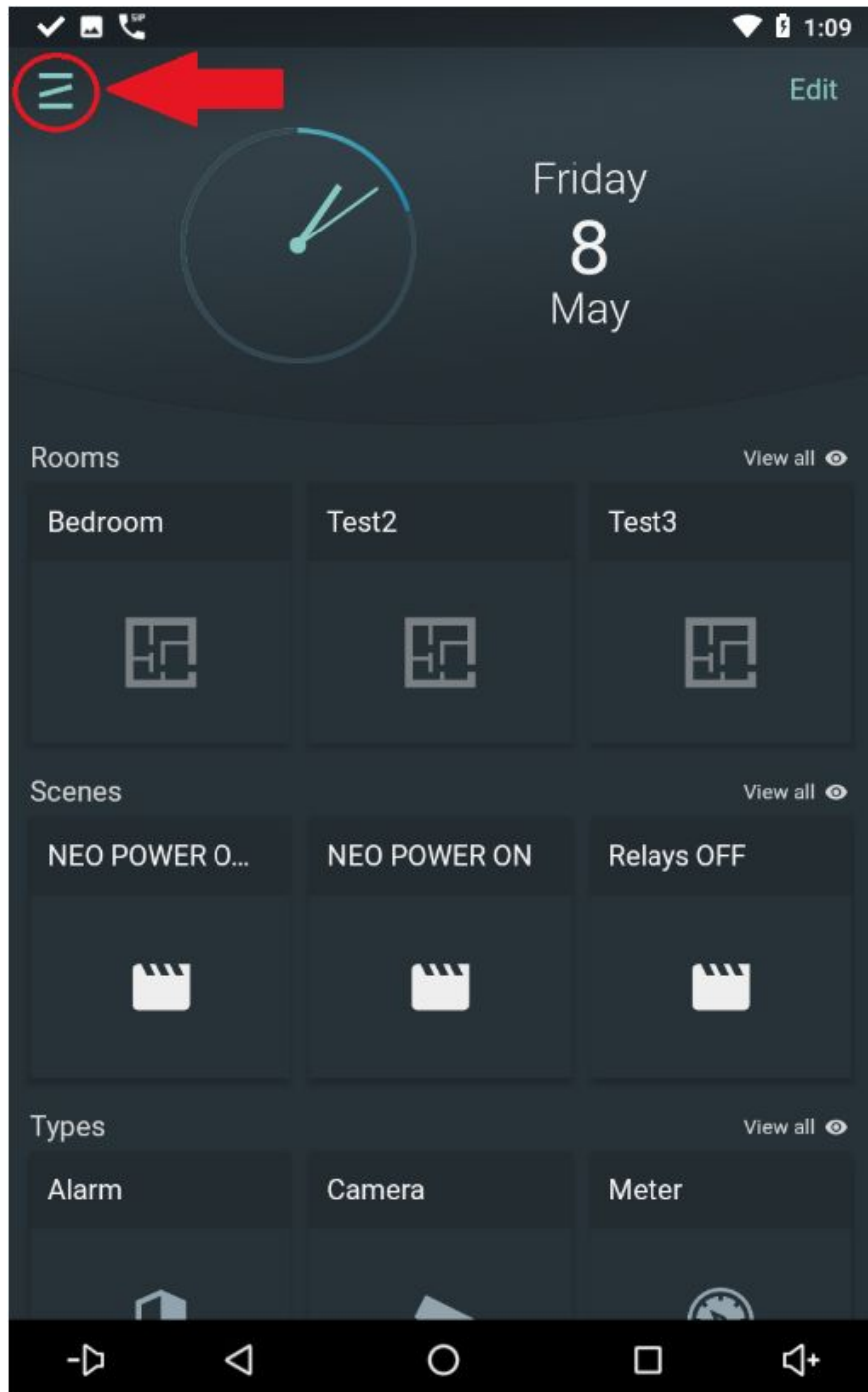
Submit #5 Cancel

- #1 - Fill out the name fields with the username of your Akuvox device.
- #2 - Enter the contact password in the password field.
- #3 - Fill out the Server IP field with the required information from the contact.
- #4 - In the **Enable Outbound** field set the option to **Enabled**. In the **Server IP field** enter the local IP address of the Master Zipatile2.
- #5 - Press Submit
- #6 - If you filled everything out correctly the Status field will show Registered.

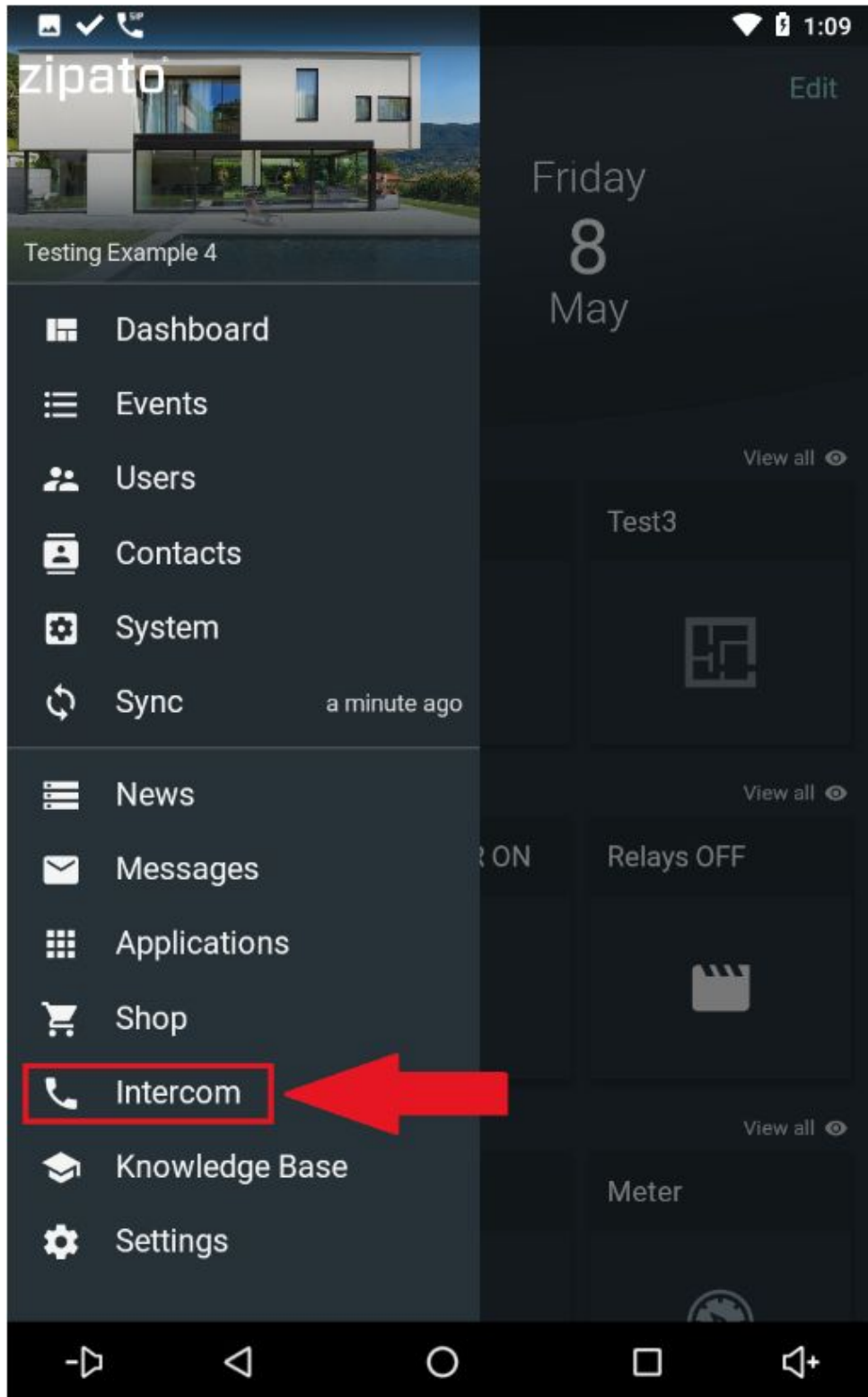
Next we are going to configure the Zipatile intercom on both Zipatile2 devices.

#3 Master Zipatile Intercom Configuration

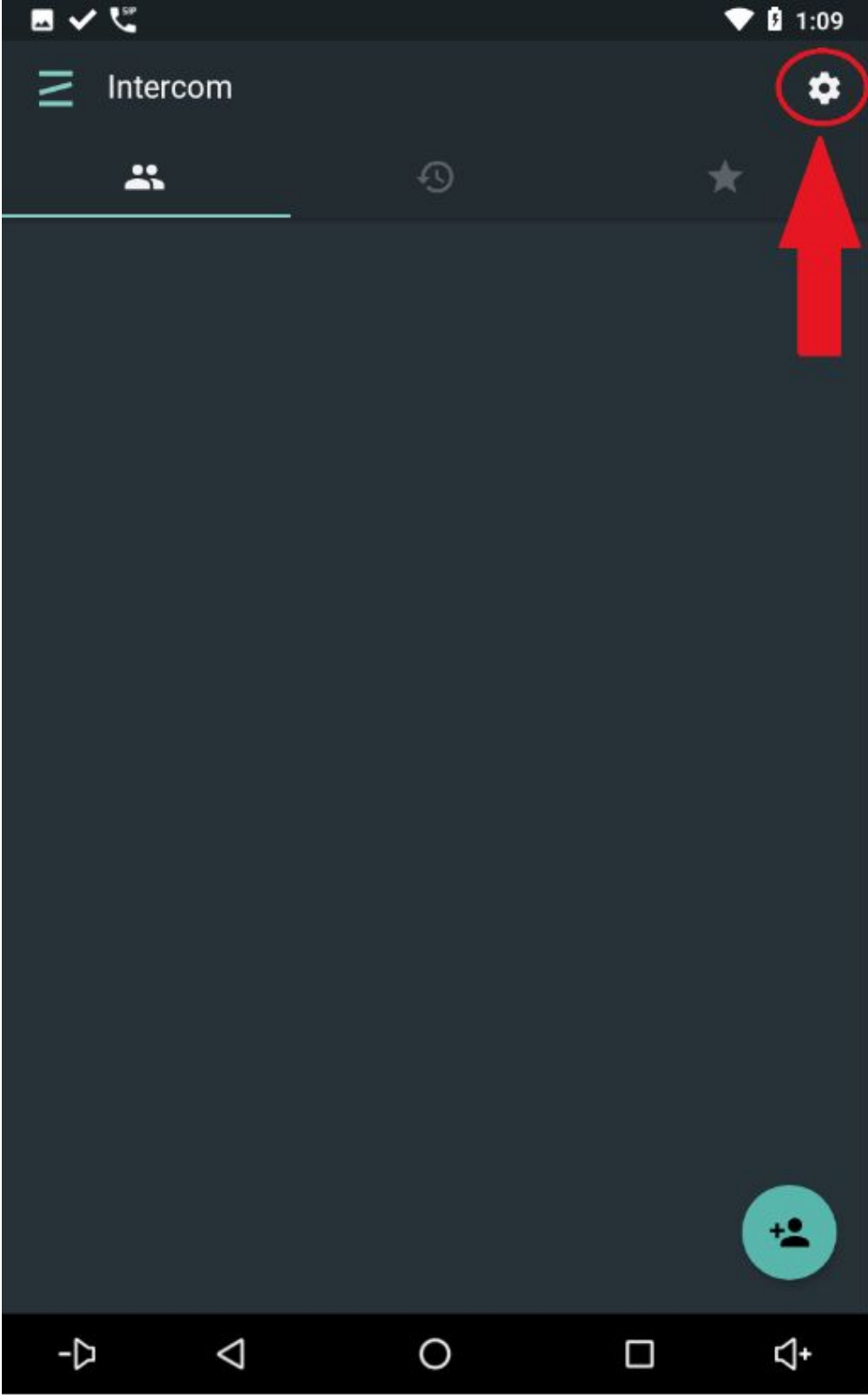
On the master Zipatile2, open the menu sidebar on the top left part of the app:



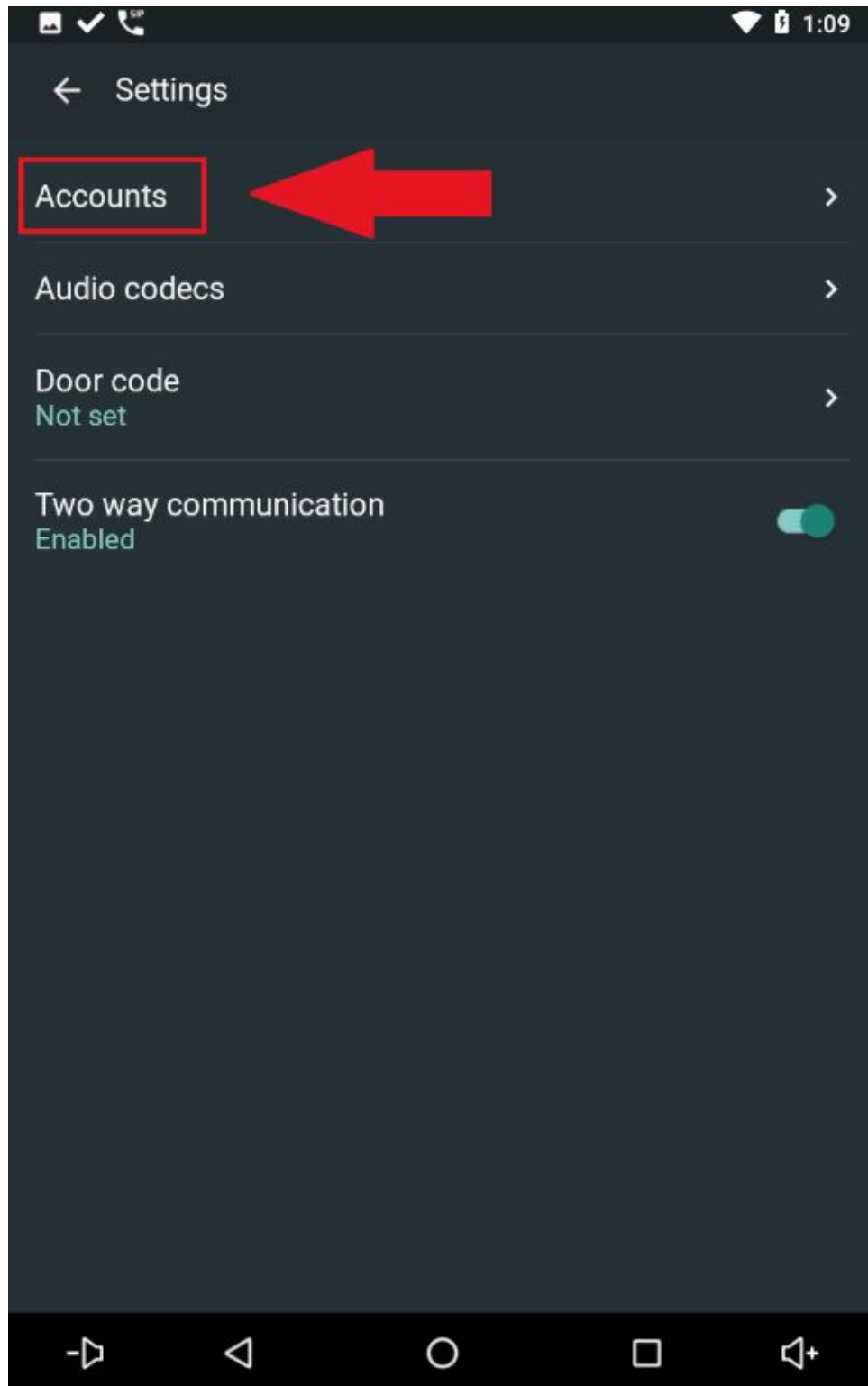
Open the **Intercom**.



Open the Intercom settings in the top right part of the app by pressing the gear icon..



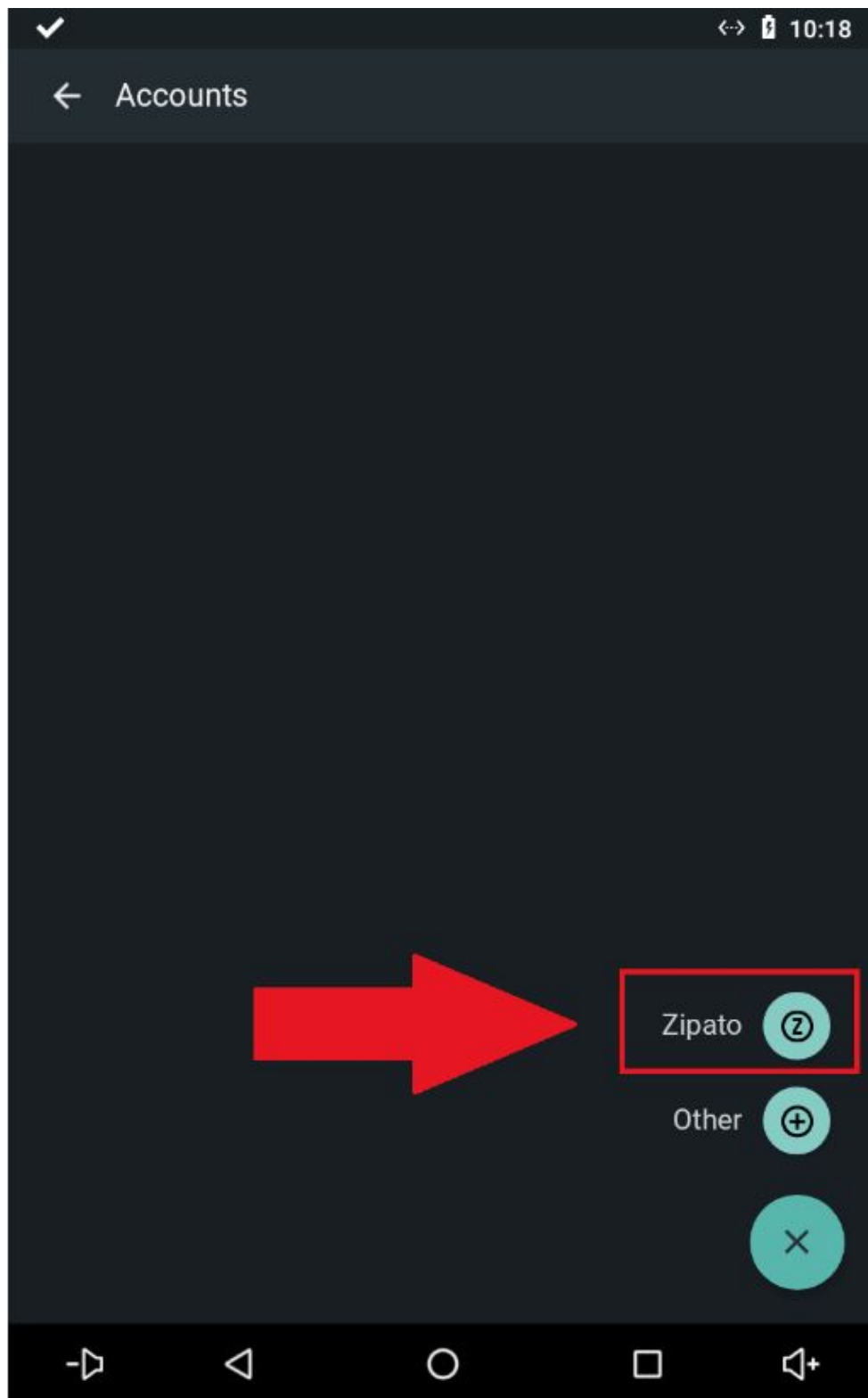
Select the Accounts option.



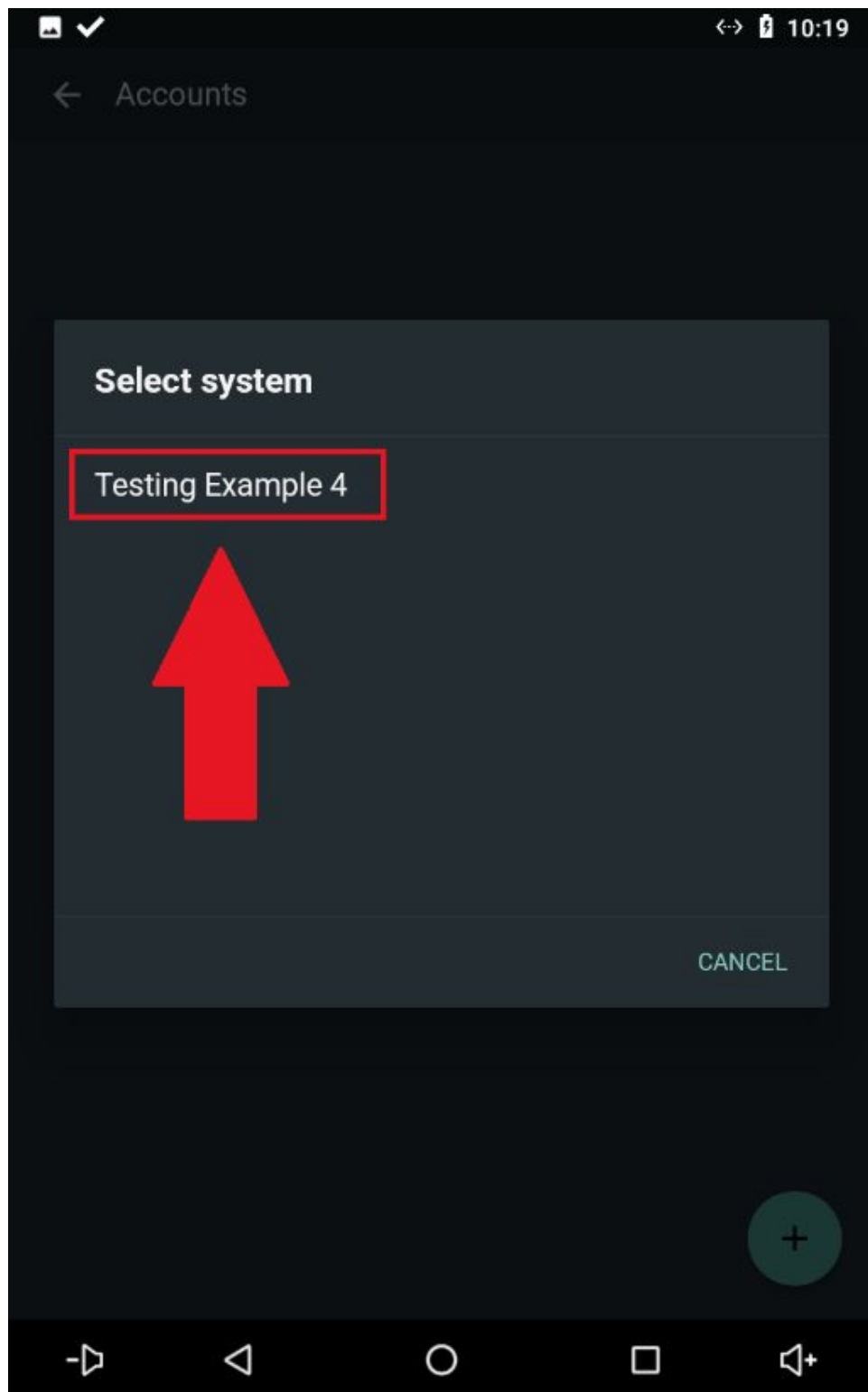
Press the bottom right corner button to add the account.



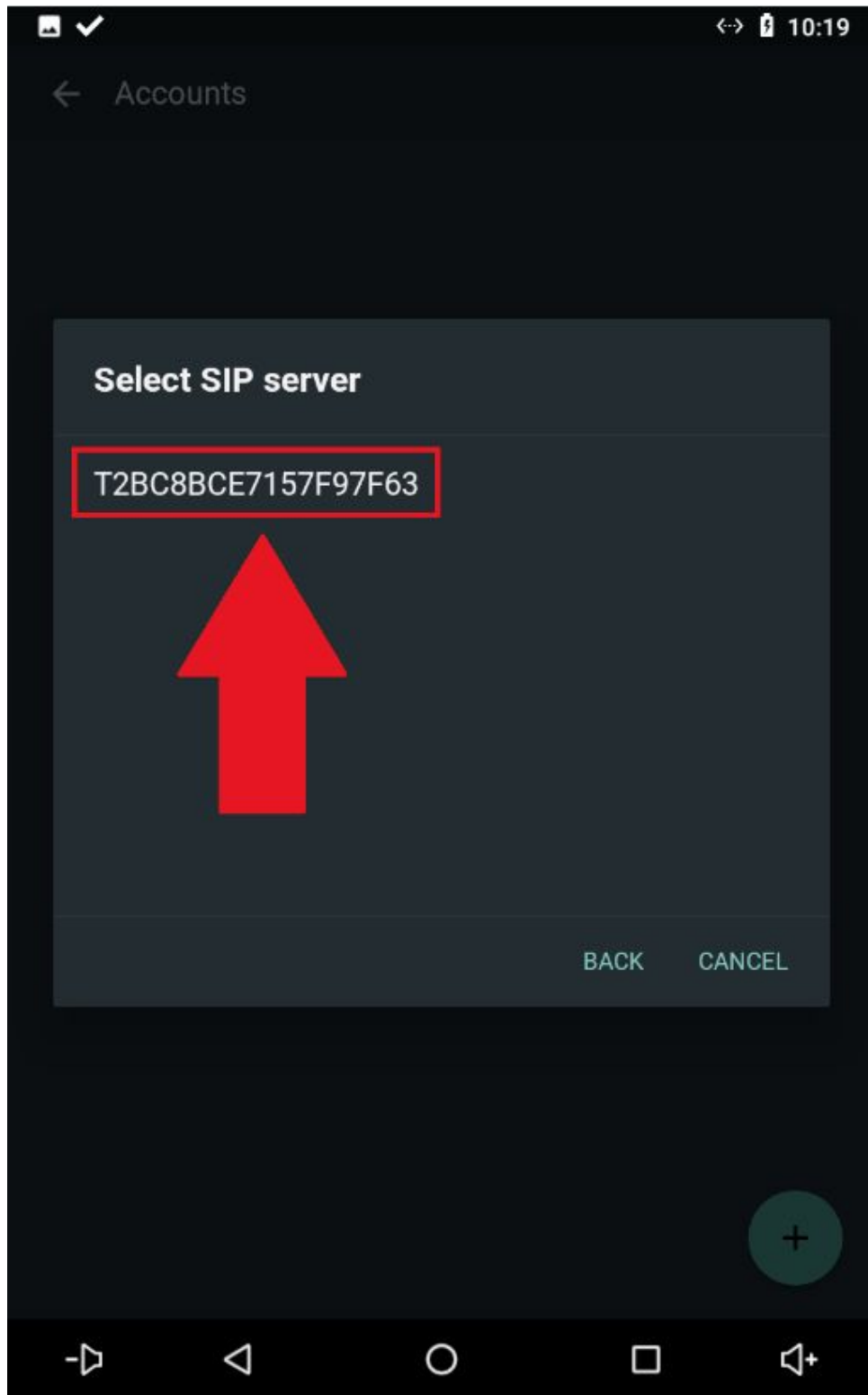
Select the Zipato button.



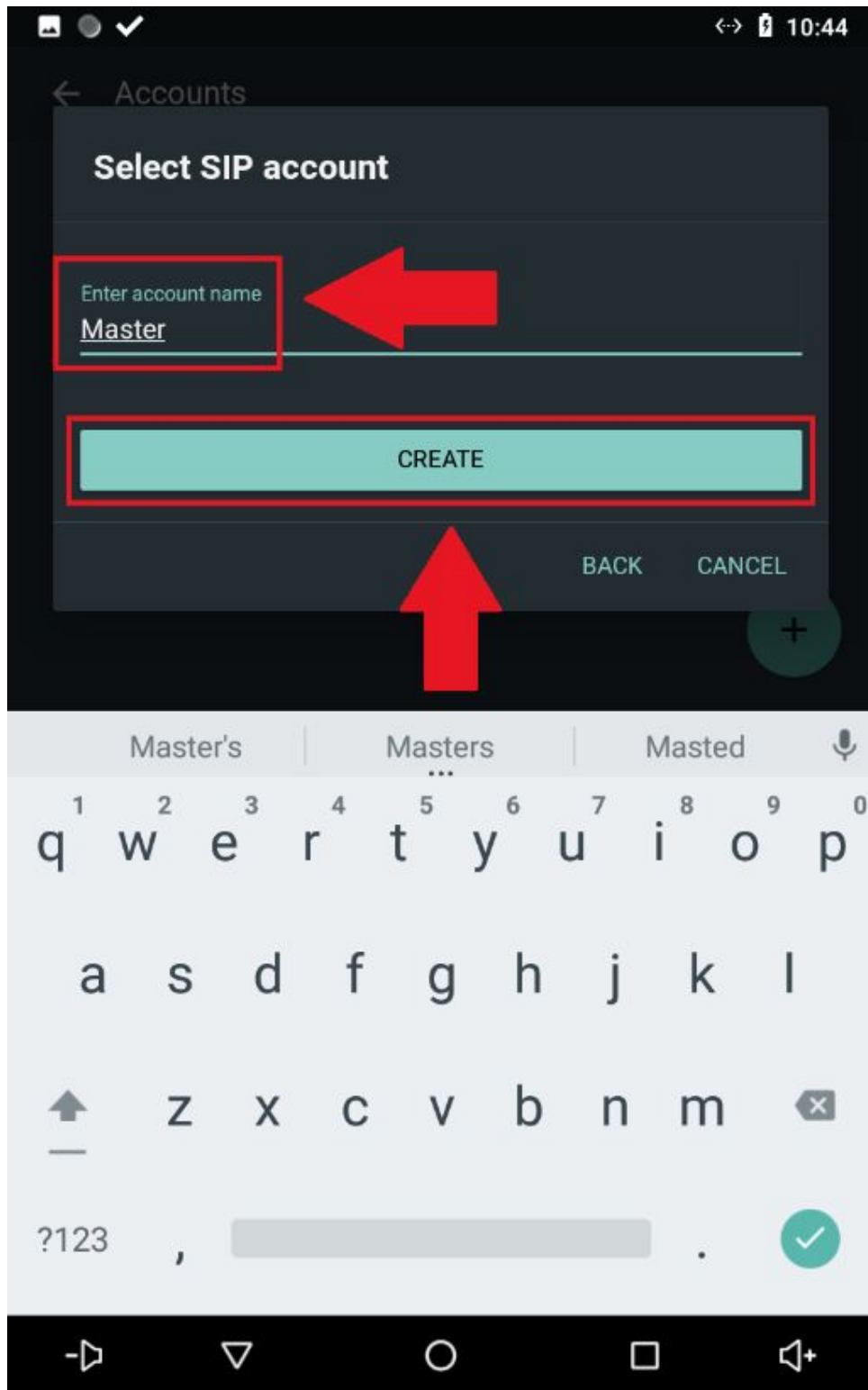
Select the System.



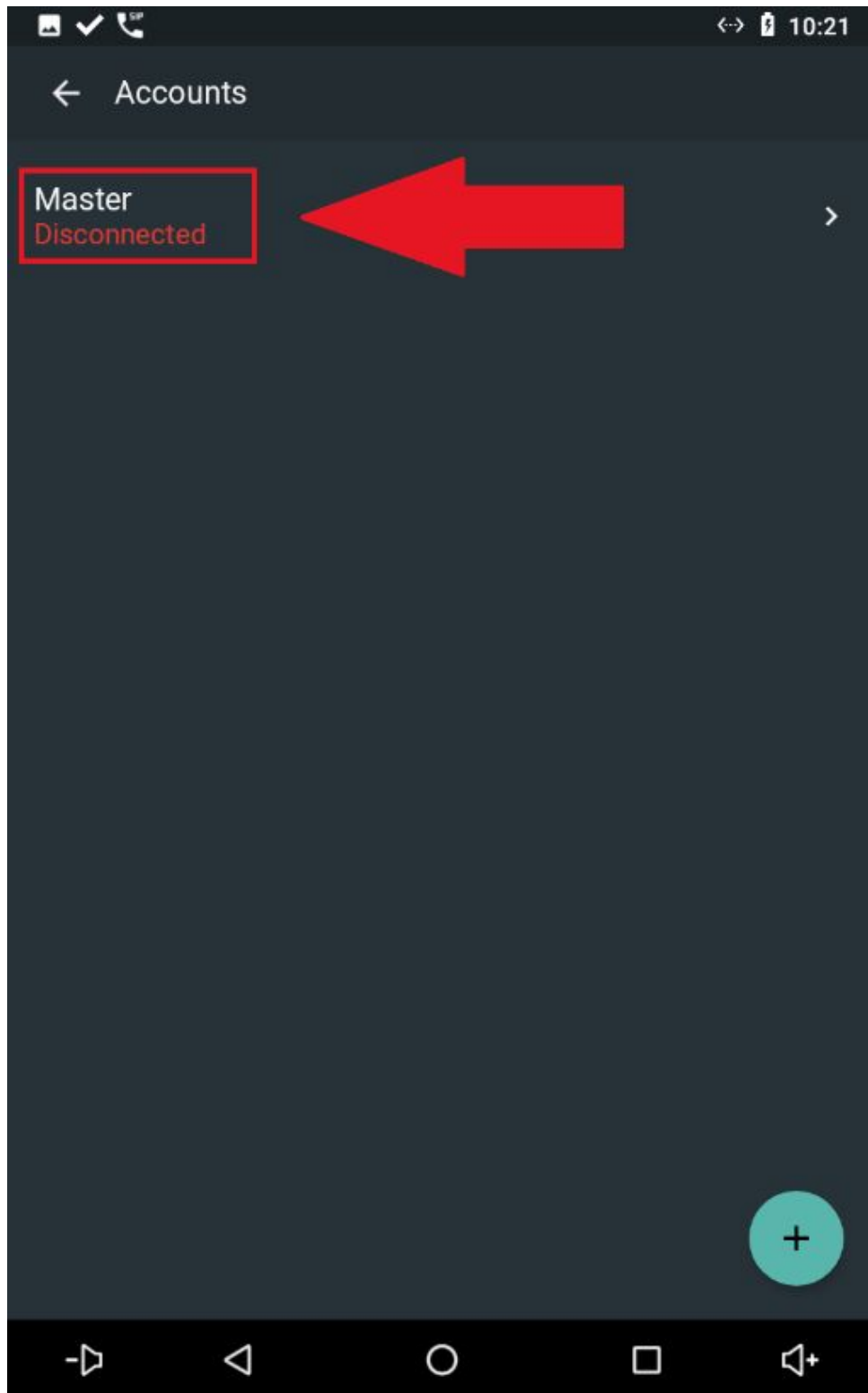
Select the SIP Server (S/N of the Zipatile2 that has the SIP server app running on it):



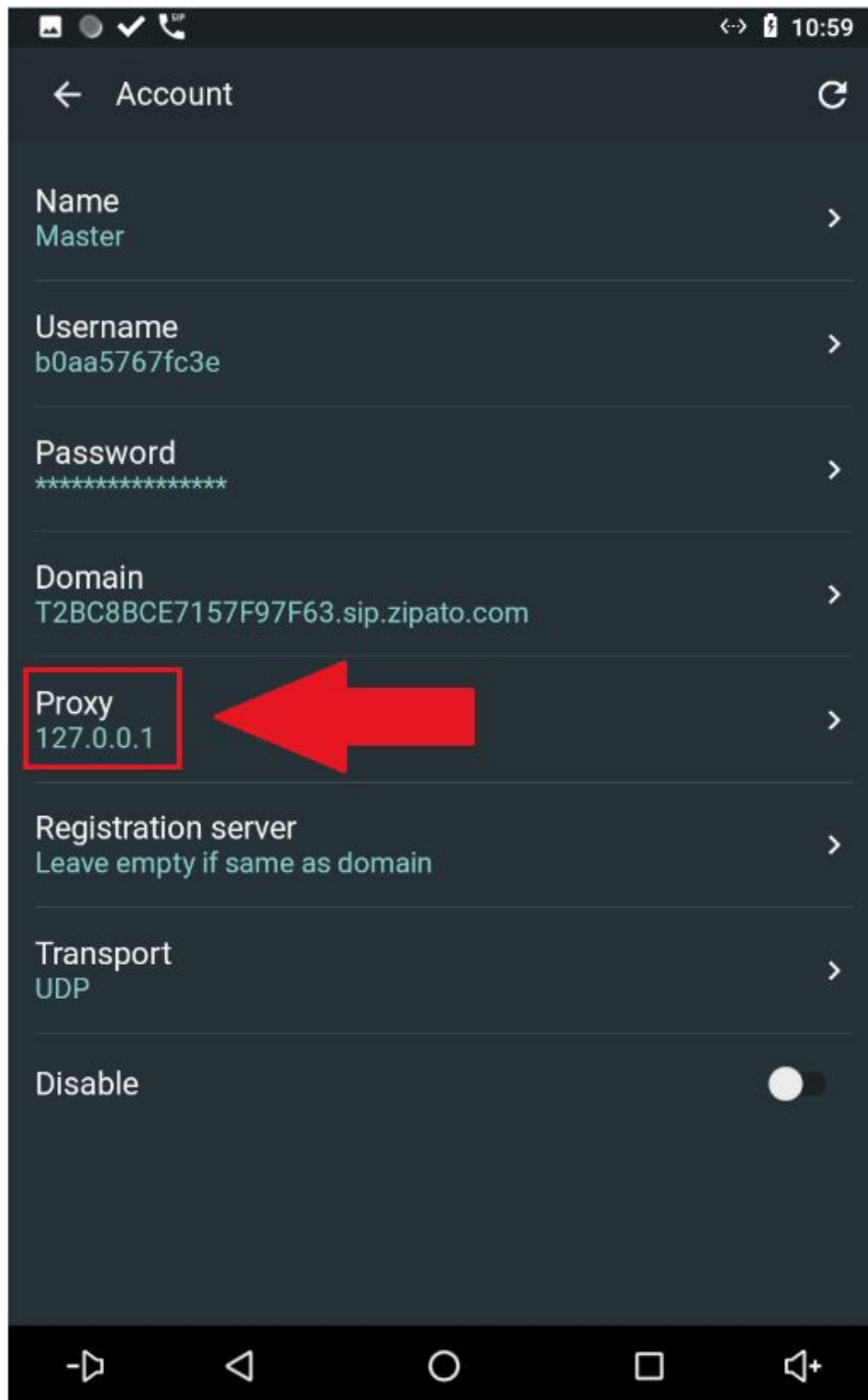
Enter the name for the account and press CREATE:



The newly created account will be visible under the Accounts list. Select it to open its settings:



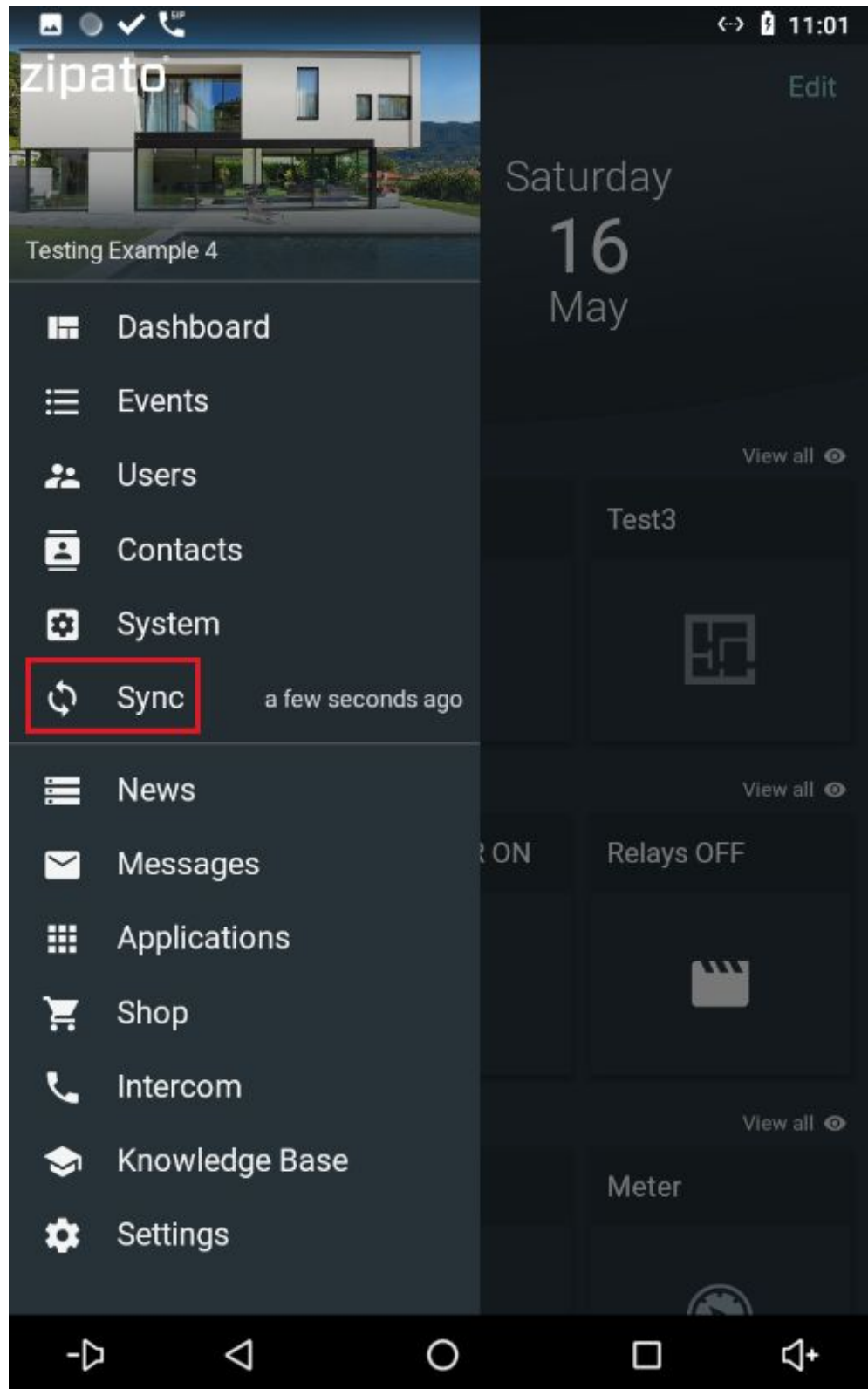
Under Proxy field enter the IP address of the SIP Server (As we are already setting this up on the master Zipatile2 we only need to enter the localhost address - this will be different when we are connecting intercom on another Zipatile2):



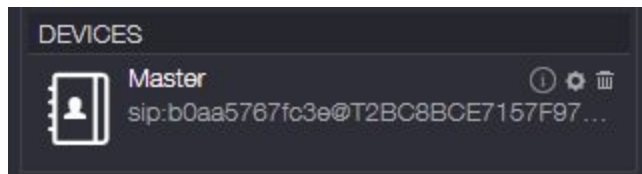
The Intercom app should automatically connect to the SIP server app and the status of the account will show Connected:



After that Synchronize the Zipatile2 again:

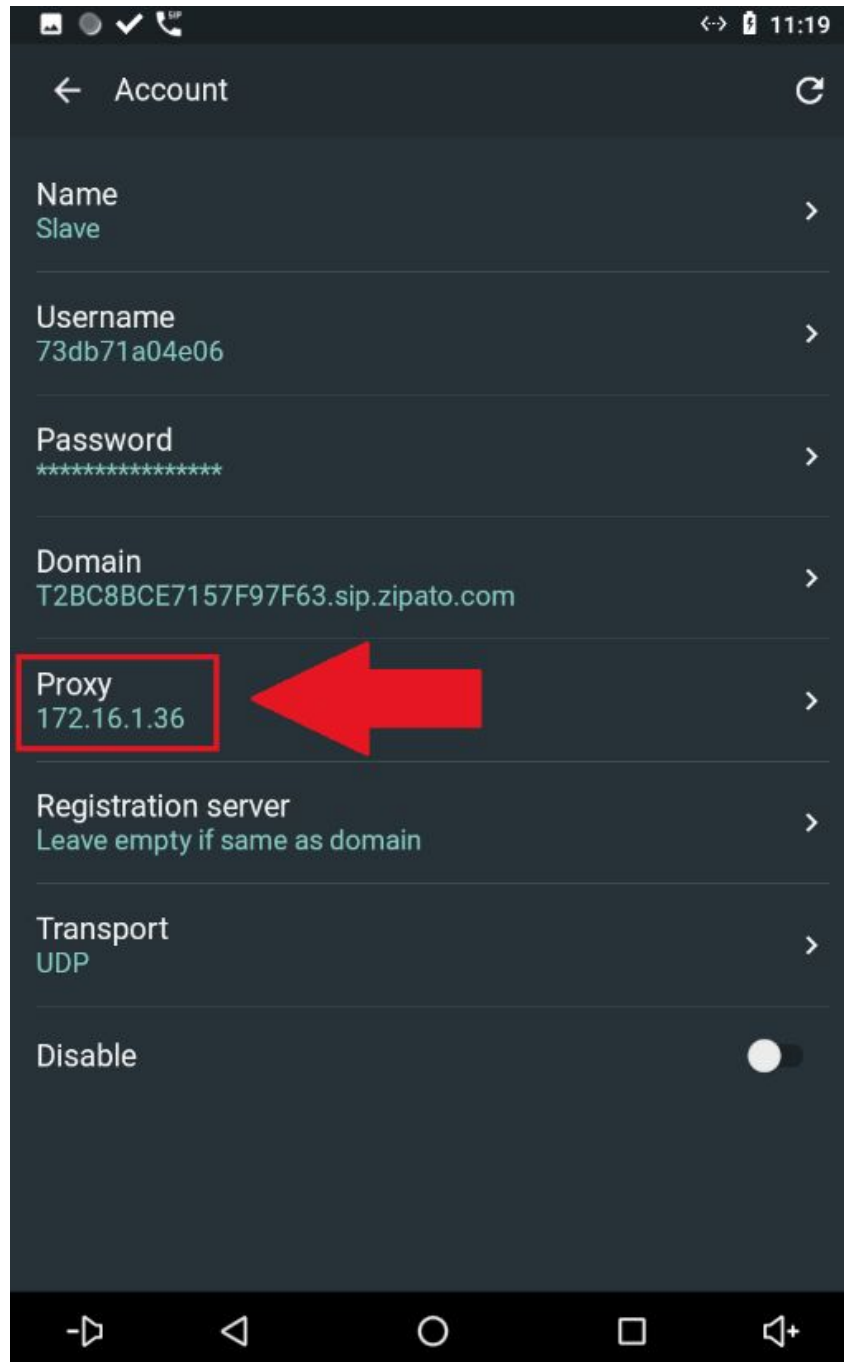


After that if you go back to the web app and refresh, the new account will be visible in the CONTACTS field in the intercom settings:



#4 Adding Another Zipatile - Same System

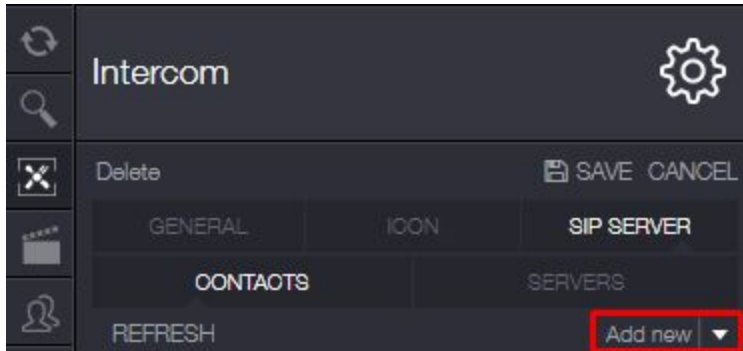
Repeat the exact same procedure for the Slave Zipatile with the only differences being the name of the account (we will call it Slave in this case) and the Proxy field IP address (this will now be the address of the SIP server Zipatile2, in this example 172.16.1.36):



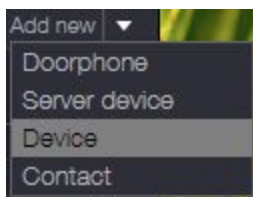
#5 Adding Another Zipatile - Different System

In the case where the additional Zipatile2 device is in another system the procedure is different.

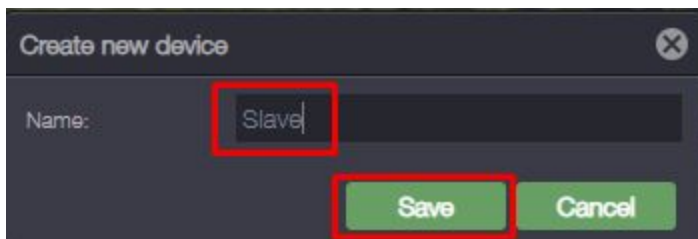
Go back to the same web app intercom interface CONTACTS → Select Add new:



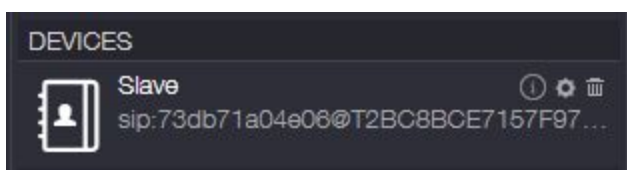
In the menu choose Device:



Select the display name for the other Zipatile2 account:



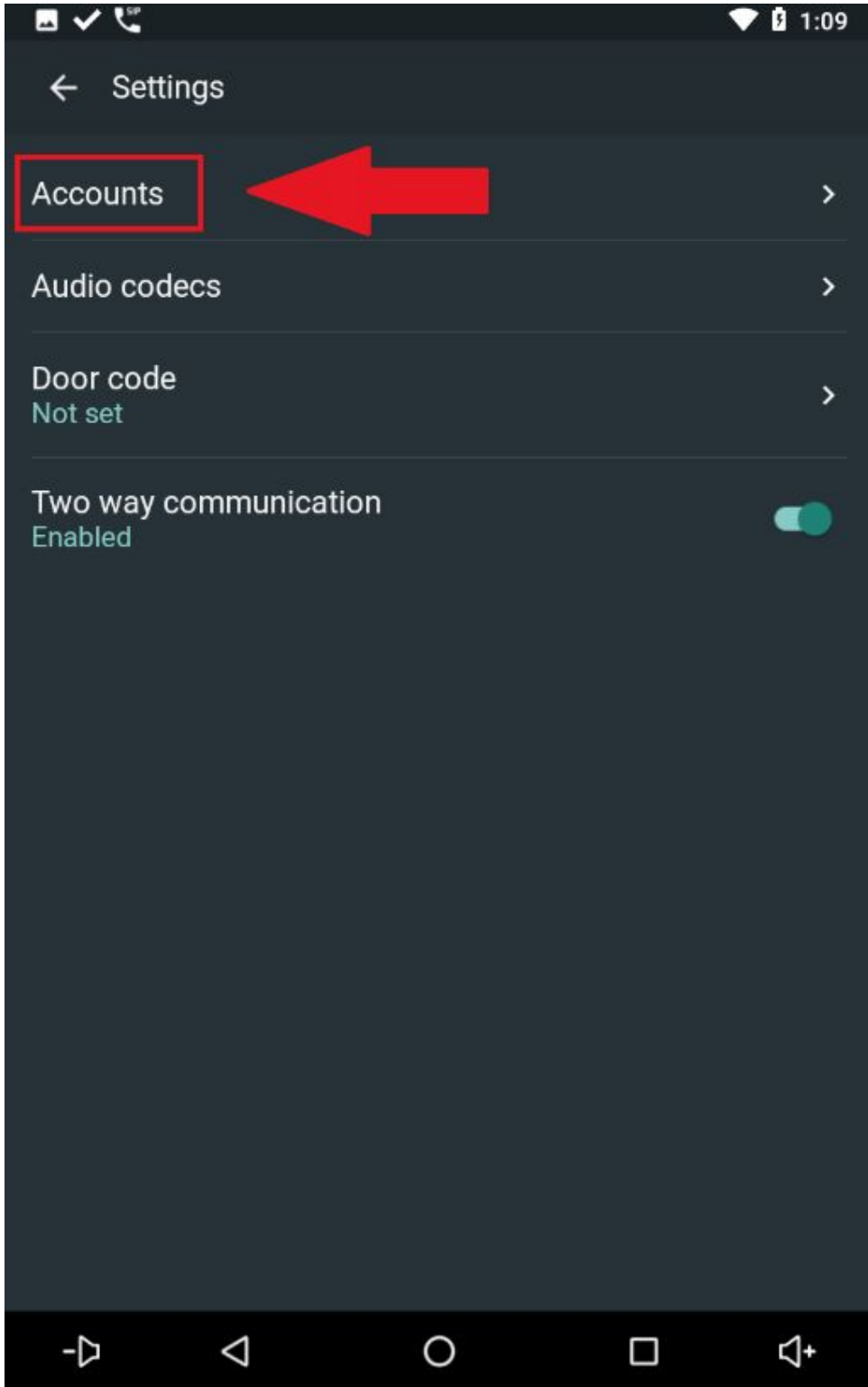
The new account will become visible in the contacts:

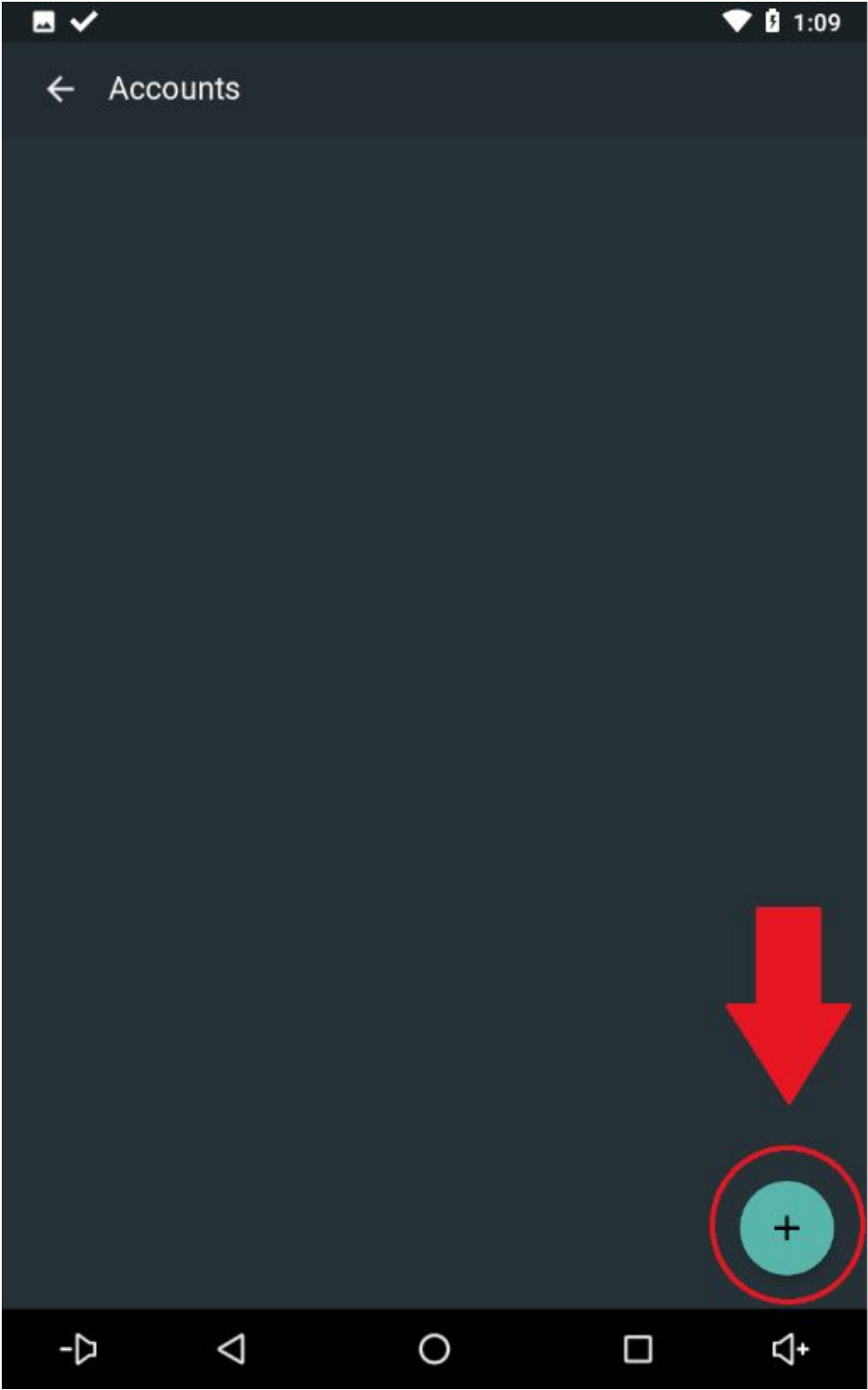


SAVE and Synchronize.

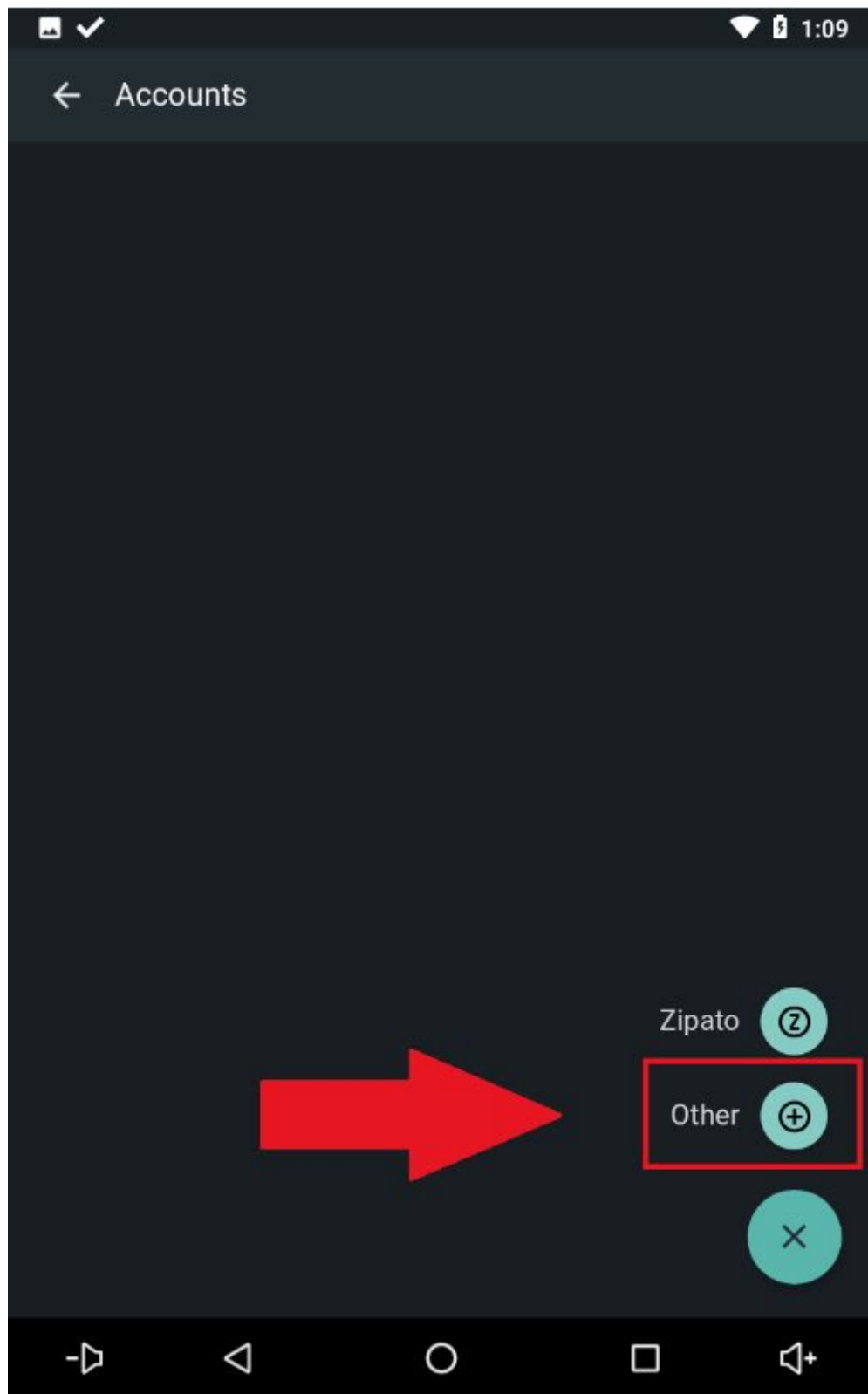
On the other Zipatle2 device enter the Intercom app and repeat the process for adding the account:



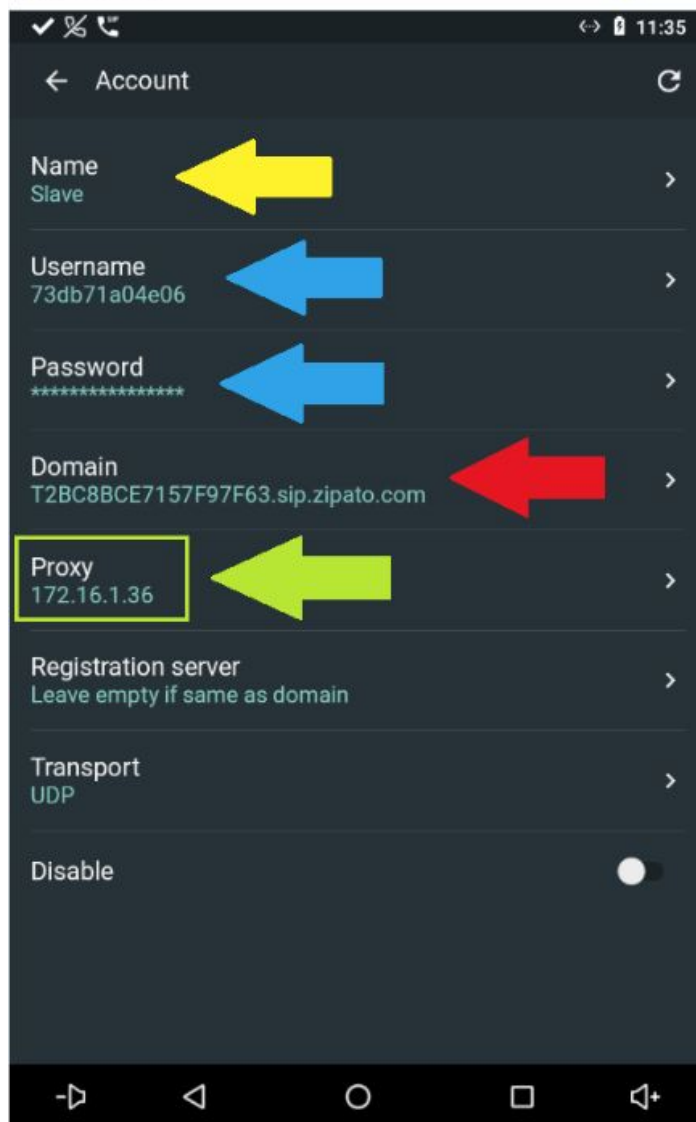
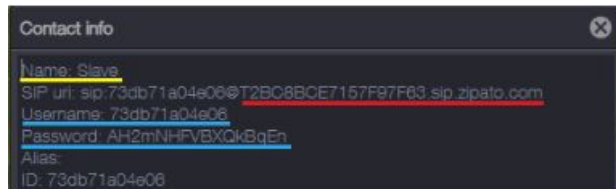
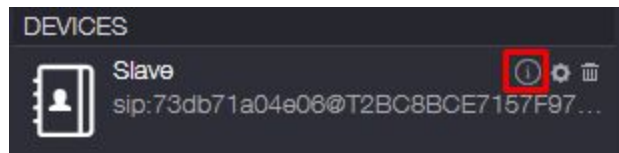




This time we will select Other option:



Fill out the necessary information which can be gotten from the Slave account we've created on the Web app (Under Proxy put the IP address of the Master Zipatile2):



If you've entered everything correctly the account status will show Connected:

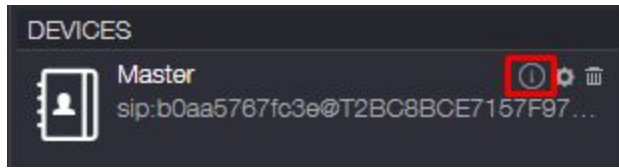


#6 Configuring Akuvox for Calls

Go to Phone → Dial Plan and press the Add option:

The screenshot shows the 'Phone-Dial Plan' interface. On the left is a sidebar menu with options: Status, Intercom, Account, Network, Phone (selected), Time/Lang, Call Feature, Dial Plan (highlighted), Import/Export, DoorLog, WebRelay, Speed Dial, PhoneBook, Upgrade, and Security. The main area is titled 'Phone-Dial Plan' and contains a 'Rules Management' section. It features a 'Not selected any files' status, 'Select File', 'Import', and 'Export' buttons. Below is a table with columns: Index, Account, Prefix, Replace 1, Replace 2, Replace 3, Replace 4, and Replace 5. The table lists 20 rows, each with a checkbox and an index number. At the bottom, there are buttons for 'Delete', '+ Add' (highlighted with a red box), 'Edit', 'Prev', '1/1', 'Next', '1', and 'Page'.

A new dialogue field called **Rules Modify >>** will appear → fill it out with the required information from the Contacts:



#1 - Prefix → Under the prefix field, type in the number that you will need to enter on the Axuvox device to call the user, in this example it's 1010, same as the name of the Zipatile contact for convenience but it can be any number.

#2 - Replace → In the Replace field, enter the username of the contact which the previously set number will call. We are trying to call the Zipatile 1010 so we will enter the username of that Zipatile contact.

A screenshot of the 'Rules Modify >>' dialog box. It shows a 'Contact info' window above with fields for Name, SIP uri, Username, Password, Alias, and ID. Below, the 'Rules Modify >>' section has an 'Account' dropdown set to 'Auto', and 'Replace 1' containing 'b0aa5767fc3e' (highlighted with a red box and '#2'). To the right, the 'Prefix' field contains '1111' (highlighted with a green box and '#1'). There are 'Submit' and 'Cancel' buttons at the bottom.

After that press **Submit**. Repeat the procedure for any other Zipatile2 accounts (devices).

Once you've added all the contacts you wish, verify that they are visible on the Rules Management list.

Rules Management

Not selected any files

Select File

Import

Export

Rules

Replace Rule ▼

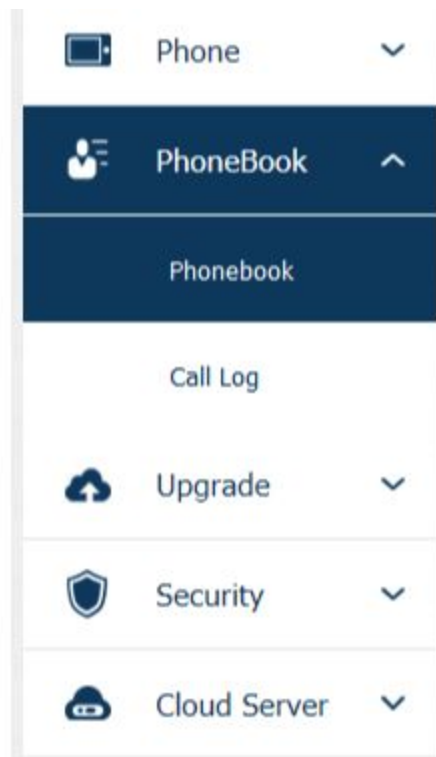
<input type="checkbox"/> Index	Account	Prefix	Replace 1	Replace 2	Replace 3	Replace 4	Replace 5
<input type="checkbox"/> 1	Auto	1111	b0aa5767fc3e				
<input type="checkbox"/> 2	Auto	2222	73db71a04e06				
<input type="checkbox"/> 3							
<input type="checkbox"/> 4							
<input type="checkbox"/> 5							
<input type="checkbox"/> 6							
<input type="checkbox"/> 7							

As you can see in this example, when you type 1111 on the Akuvox keypad it will call the user of the Master account Zipatile2. When you type 2222 it will call the other account (Slave) on the other Zipatile2.

#7 Configuring Akuvox for DTMF

For DTMF to work with Akuvox, we'll need to configure the Phonebook on the Akuvox device:

Go into **PhoneBook** → **Phonebook** menu on the Akuvox.



An empty **Local Phonebook** field will be visible.

Local Phonebook

Contact

Search

Dial

Index	Name	Phone	Group	Dial Type	Email	FloorNum	Priority Of Call
<input type="checkbox"/> 1							
<input type="checkbox"/> 2							
<input type="checkbox"/> 3							
<input type="checkbox"/> 4							
<input type="checkbox"/> 5							
<input type="checkbox"/> 6							
<input type="checkbox"/> 7							
<input type="checkbox"/> 8							
<input type="checkbox"/> 9							
<input type="checkbox"/> 10							

Scroll past it until you see the Contact Setting segment.

In the Contact Setting segment fill out the required fields:

Name → Enter a name to identify your device. This can once again be any name you want.

Phone → Enter the contact username for the device (same procedure as during the Dial Plan settings) which is sending the DTMF code.

Contact Setting

Name	<input type="text" value="Master"/>	Phone	<input type="text" value="b0aa5767fc3e"/>
Email	<input type="text"/>	Group	<input type="text" value="Default"/>
Dial Type	<input type="text" value="Default"/>	Lift Floor Number	<input type="text" value="0"/>
Photo	<input type="text"/>		
Note:	<p>Please upload the photo before editing contact if necessary</p>		
<input type="text" value="Not selected any files"/>		<input type="button" value="Select File"/>	<input type="button" value="Import"/>
<input type="button" value="+ Add"/>		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
		<input type="button" value="Cancel"/>	

This way the Akuvox device will know the contact device (Zipatile2 account) from which the DTMF will be sent.

After you are done filling out the **Name** and **Phone** fields, press the **+ Add button** to add this contact into the Phonebook.

If you've done everything correctly, the new contacts will now be visible in the list:

Local Phonebook

Contact

Search

Dial

<input type="checkbox"/> Index	Name	Phone	Group	Dial Type	Email	FloorNum	Priority Of Call
<input type="checkbox"/> 1	Master	b0aa5767fc3e	Default	Default		0	NULL
<input type="checkbox"/> 2	Slave	73db71a04e06	Default	Default		0	NULL
<input type="checkbox"/> 3							
<input type="checkbox"/> 4							
<input type="checkbox"/> 5							

After that, you just need to go to **Intercom** → **Relay** and set up the DTMF options of your choosing, for example:

The screenshot displays the 'Intercom-Relay' configuration page. On the left is a navigation menu with 'Relay' selected. The main content area is titled 'Intercom-Relay' and contains the following settings:

Relay	RelayA	RelayB	RelayC
Relay ID	RelayA	RelayB	RelayC
Trigger Delay(sec)	0	0	0
Hold Delay(sec)	5	5	5
DTMF Option	4 Digits DTMF		
DTMF	0	1	2
Multiple DTMF	1234	5678	9876
Relay Status	RelayA: Low	RelayB: Low	RelayC: Low
Relay Name	RelayA	RelayB	RelayC

Unlock Options

Unlock Options: INVISIBLE

Open Relay via HTTP

Enable: OFF UserName:

Password:

Open Relay via QR

Enable: ON

Buttons: Submit, Cancel

We've set up 3 different DTMF codes for 3 different relays on the Akuvox (A, B and C). Depending on which Zipatile2 account sends which DTMF code a relay will be triggered.

#8 Configuring Zipatile2 Account for DTMF

Back on the Zipatile2 devices, go into **Intercom Settings** menu, and enter the Door code for the relay you wish to open on the Akuvox device with your DTMF.

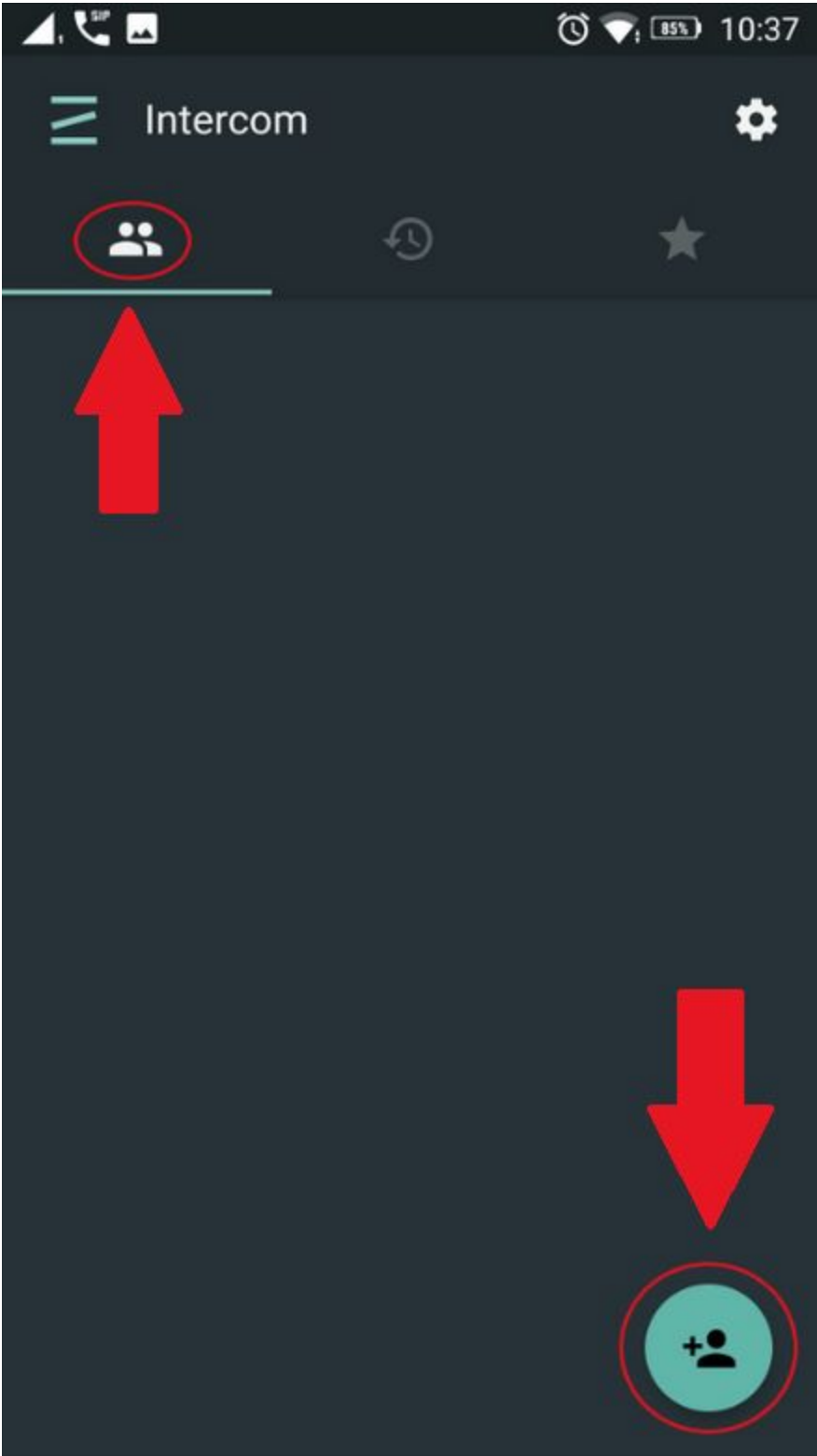
For example if we want to open the previously set **Relay A** with the DTMF code 1234:

Relay ID	RelayA	RelayB	RelayC
Trigger Delay(sec)	0	0	0
Hold Delay(sec)	5	5	5
DTMF Option	4 Digits DTMF		
DTMF	0	1	2
Multiple DTMF	1234	5678	9876

We will need to enter the same code in the **Door code** field in the **Intercom Settings**:

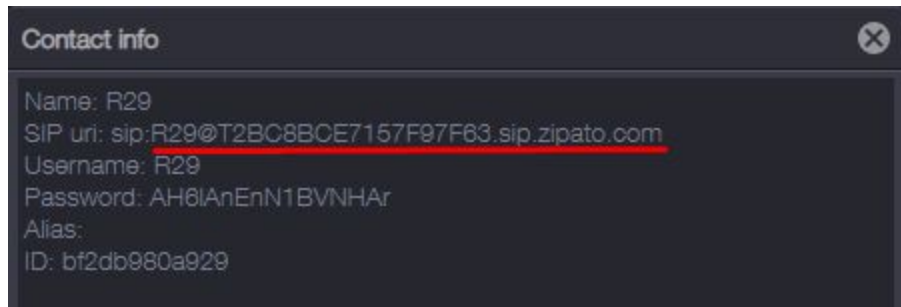


After that go back to the Intercom main menu and under contacts (the two people icon) in the bottom right corner press the Add Contact button:

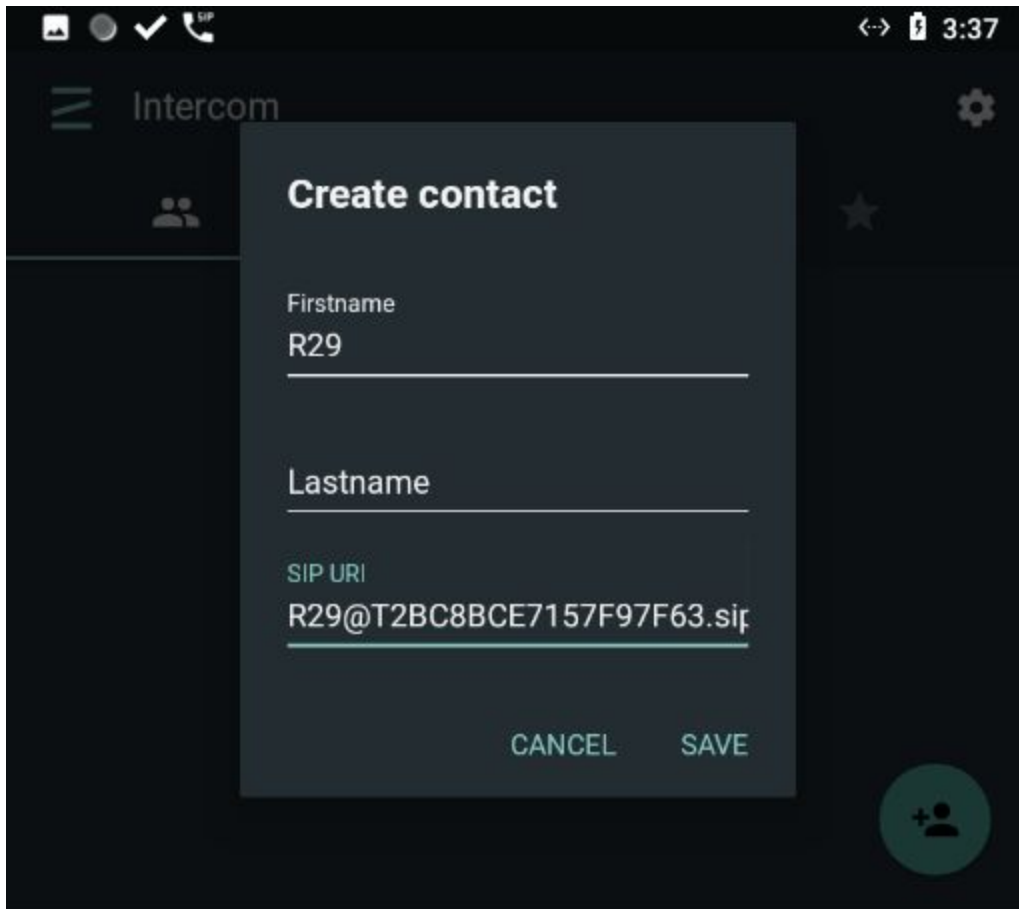


Fill out the information for the contact. Choose whatever Firstname/Lastname you wish to use to identify the Akuvox device.

Under **SIP URI** field the format is going to be the SIP Uri of the contact:



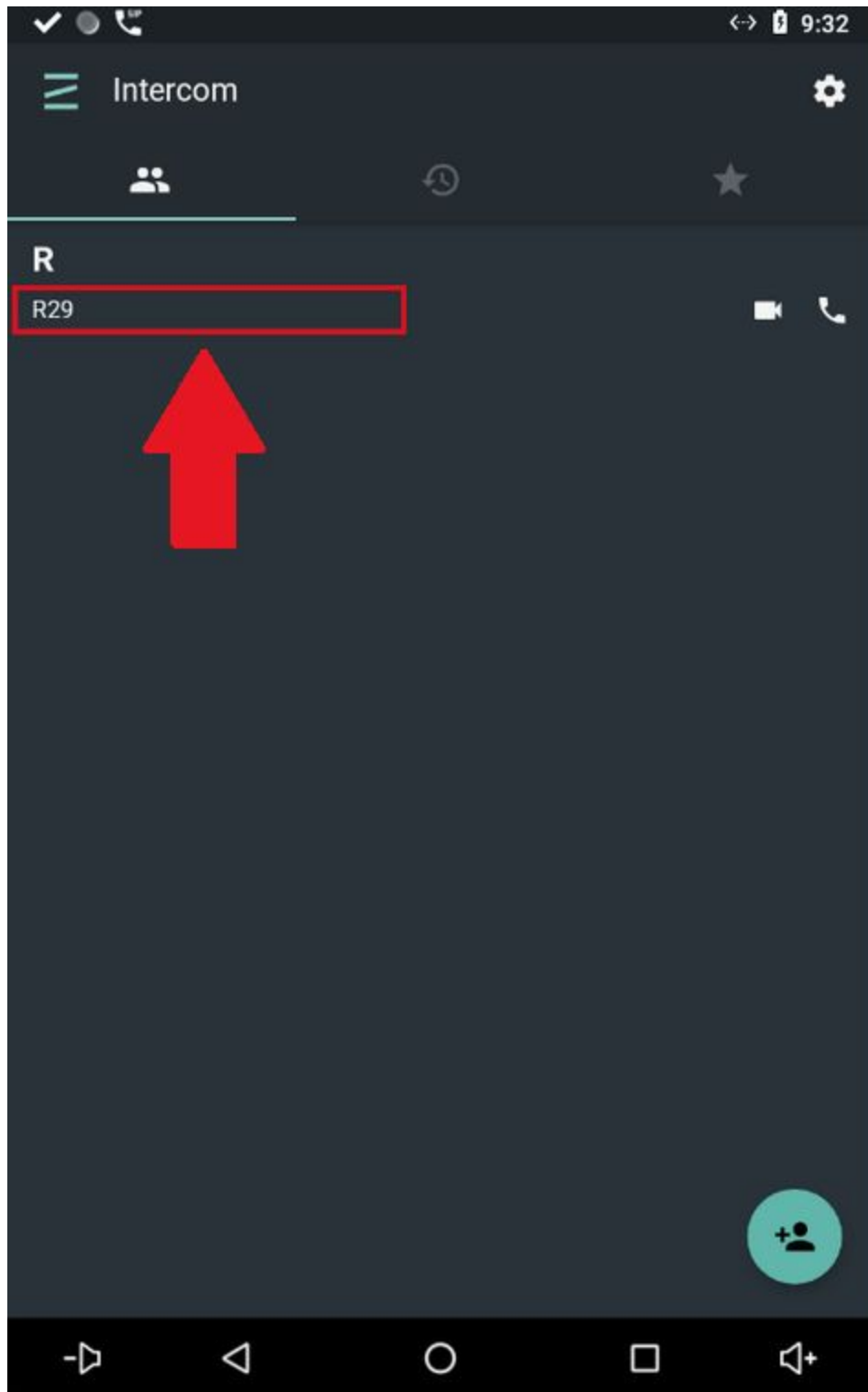
In this example, since the Akuvox is registered on the SIP server on the Master Zipatile the SIP URI is going to be R29@T2BC8BCE7157F97F63.sip.zipato.com



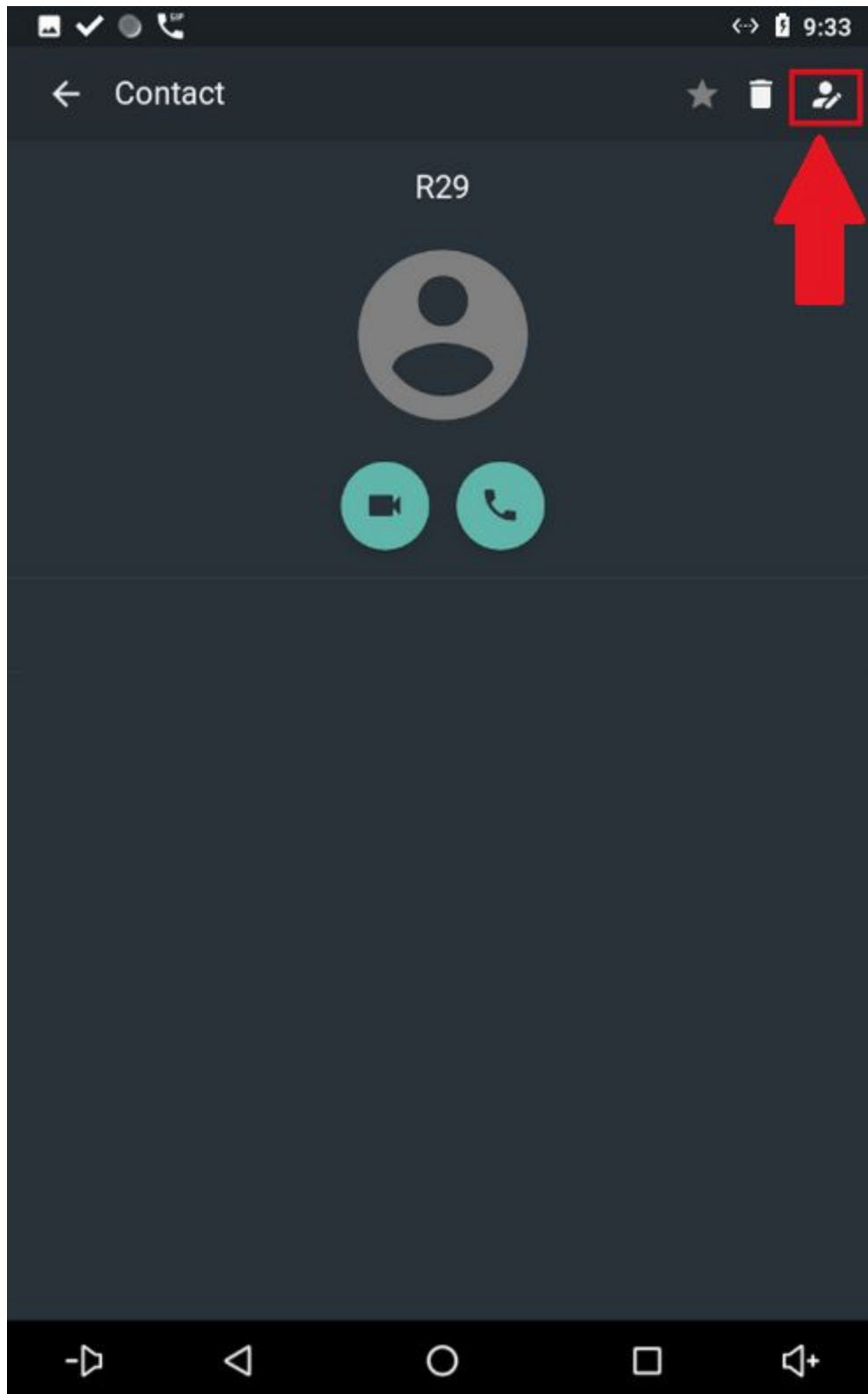
After that press the SAVE button to save your contact settings.

The new contact will become visible in the Intercom Contacts.

Press directly on the display name of the contact to enter the contact interface:

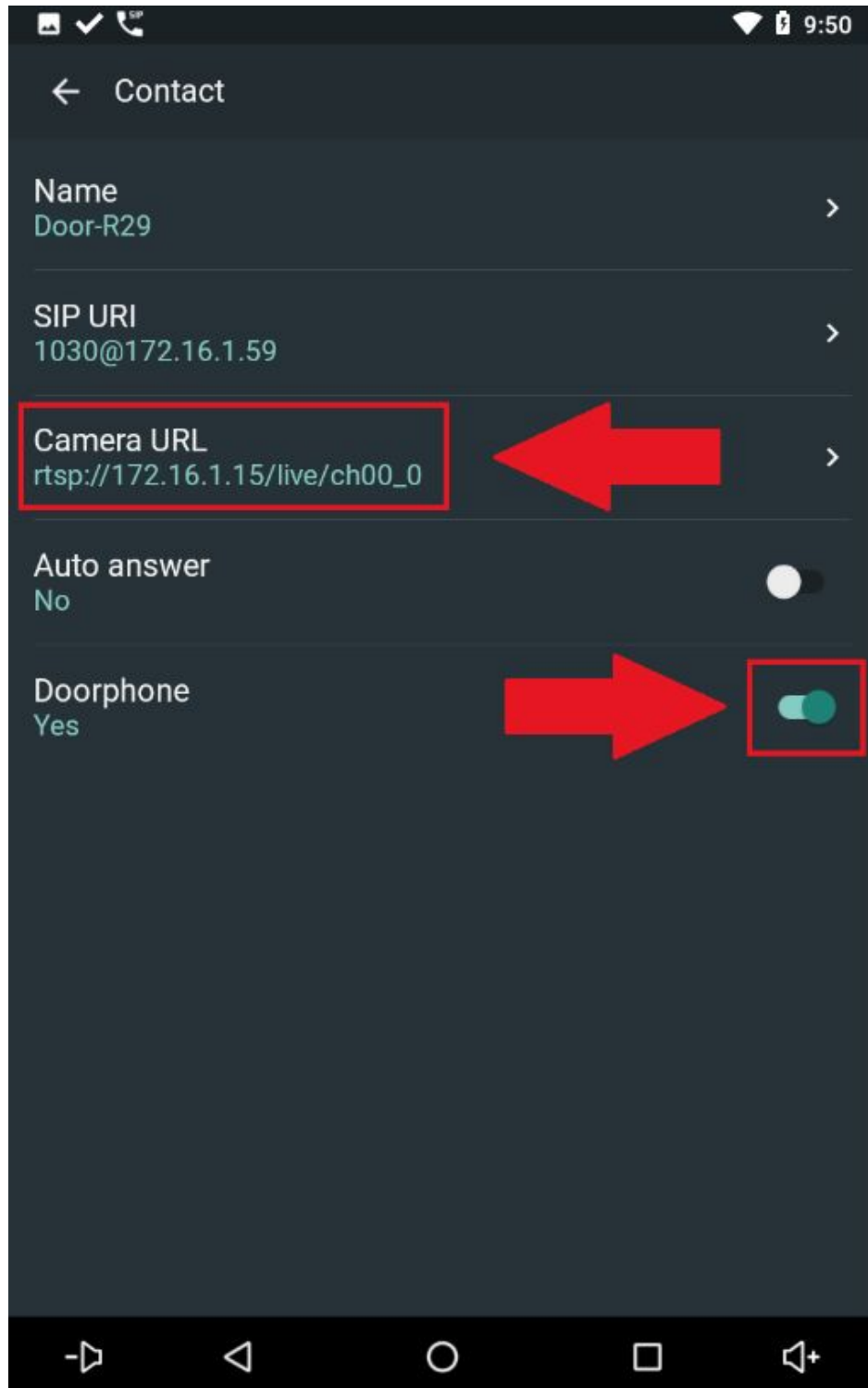


On the contact interface, in the top right corner, press the contact settings icon:

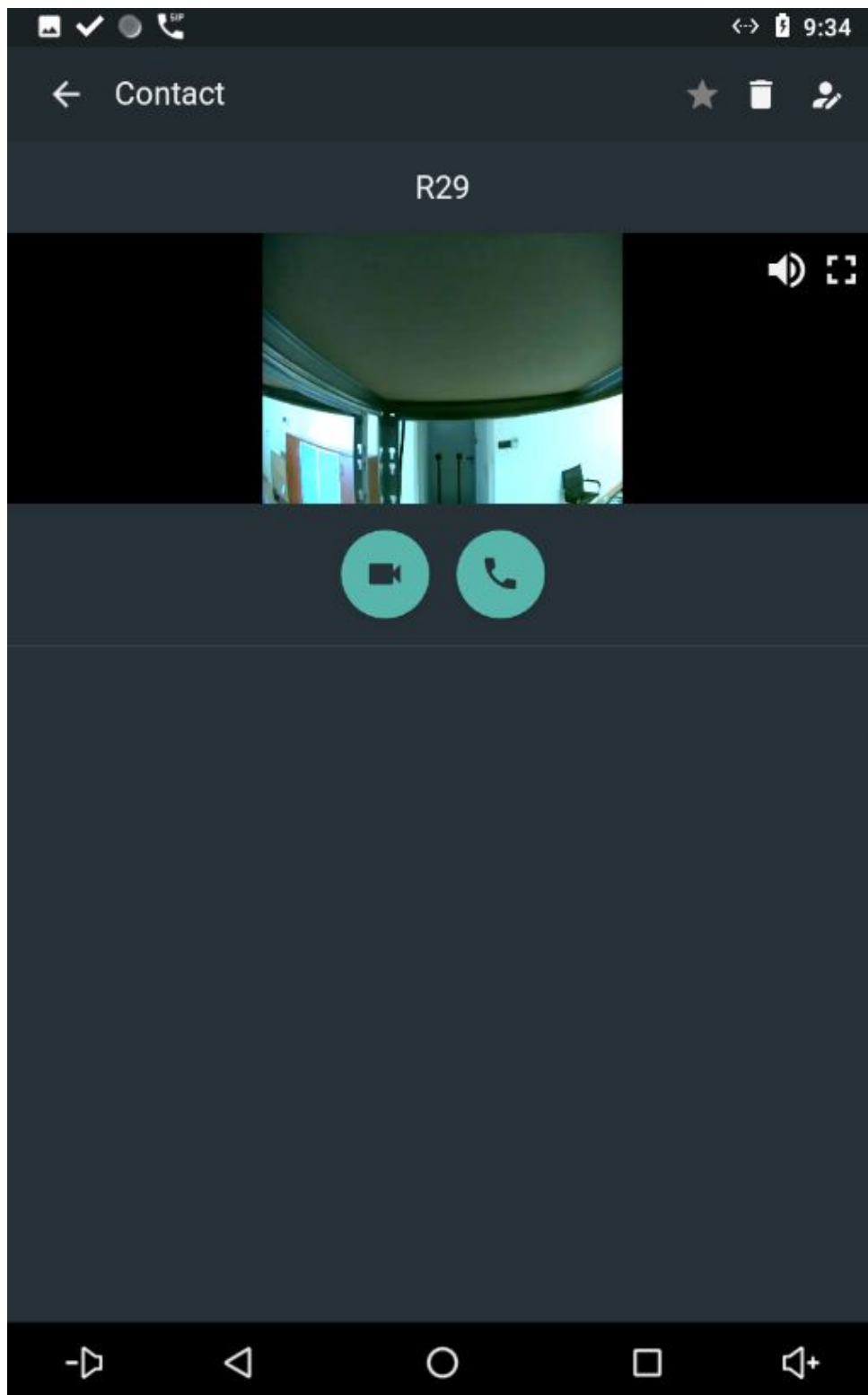


On the bottom enable the Doorphone option - This will enable the Door Open option during the call which will allow us to send the DTMF signal to the Akuvox R29 device.

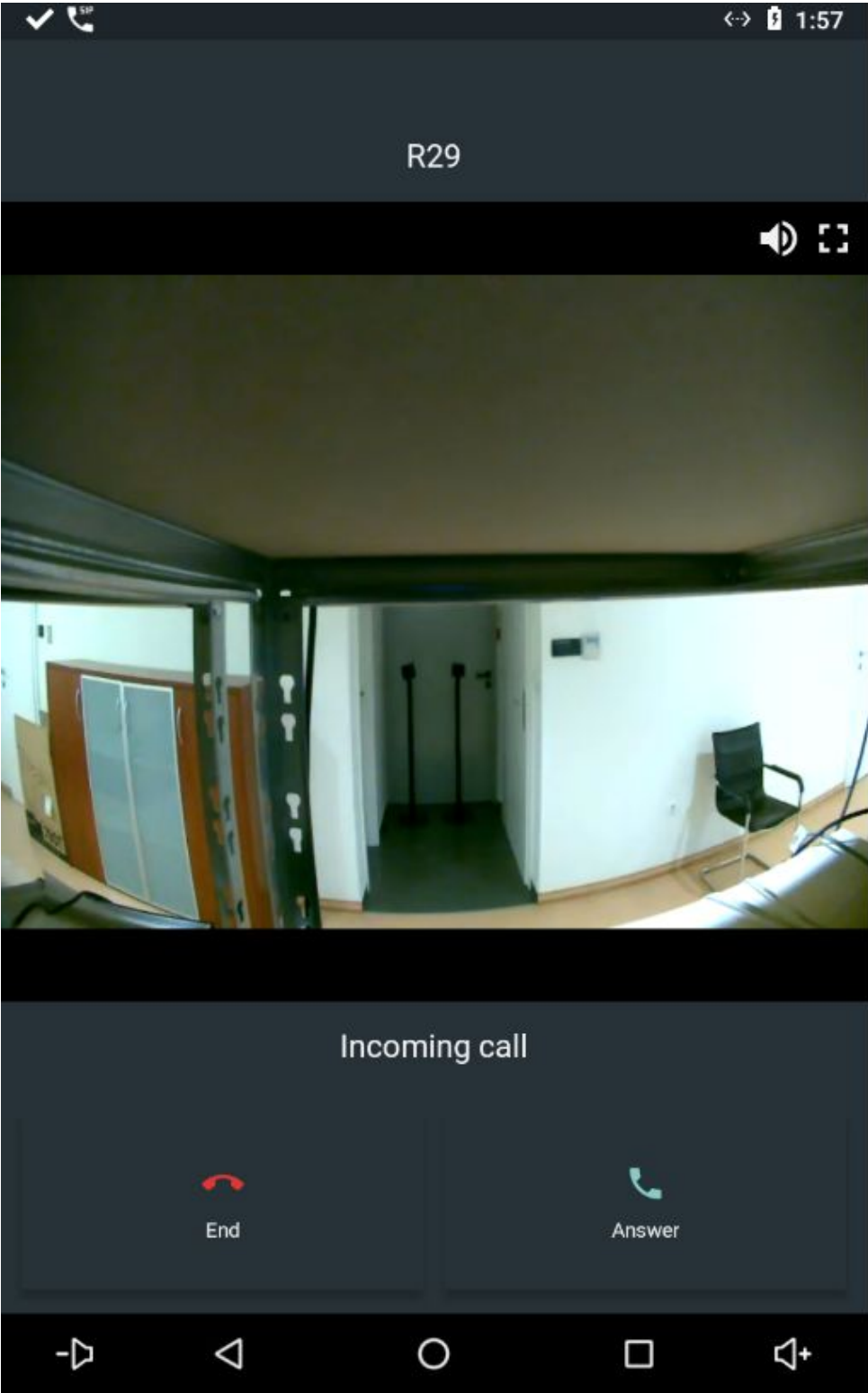
In the Camera URL field enter the RTSP link for the Akuvox R29 device.



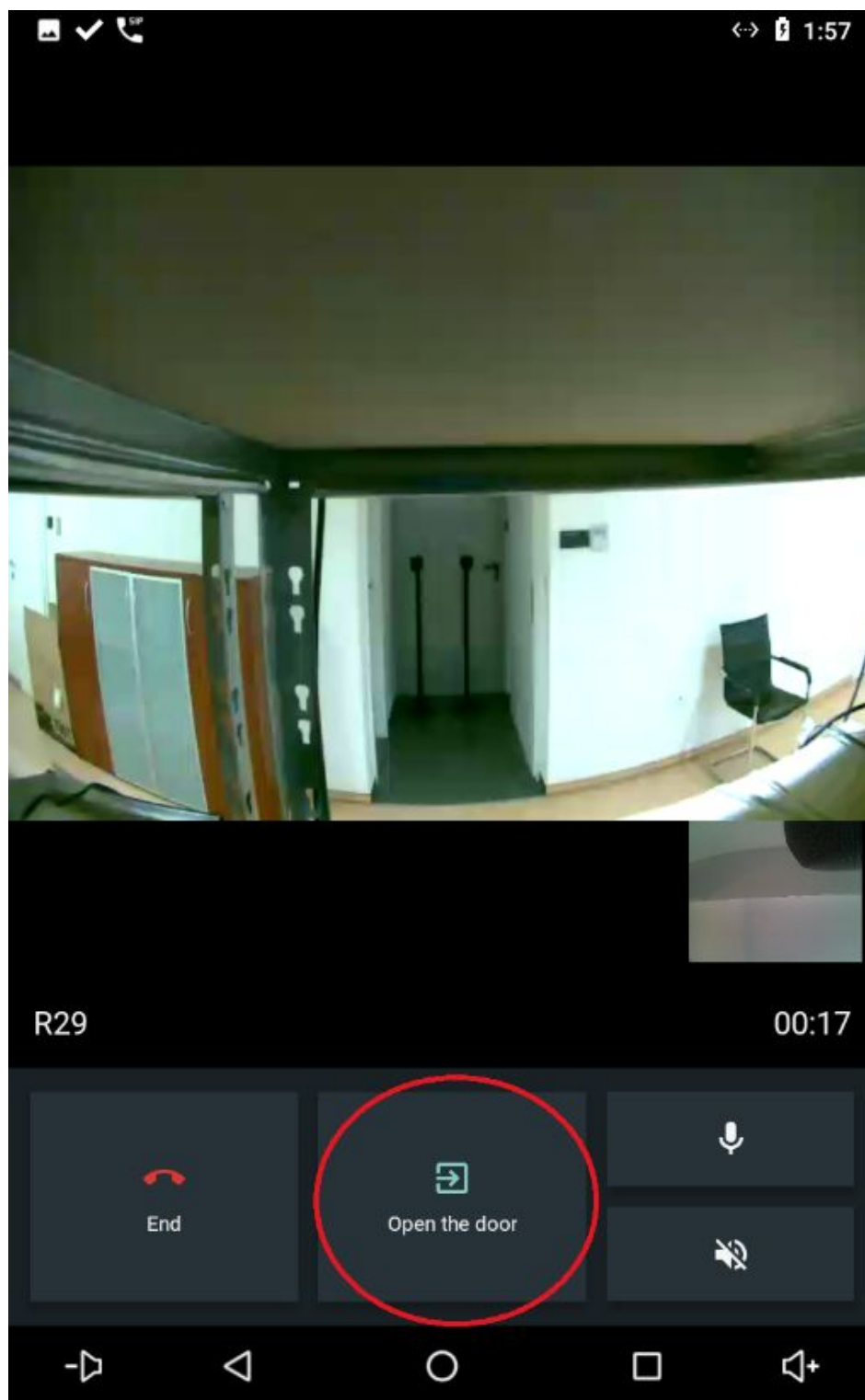
If everything was done correctly, you will now see the live feed from the Akuvox device in the contact of that device.



This means that when we receive a call from the Akuvox device, we'll be able to see the live camera feed from that device even before we choose to Answer or Decline the call:

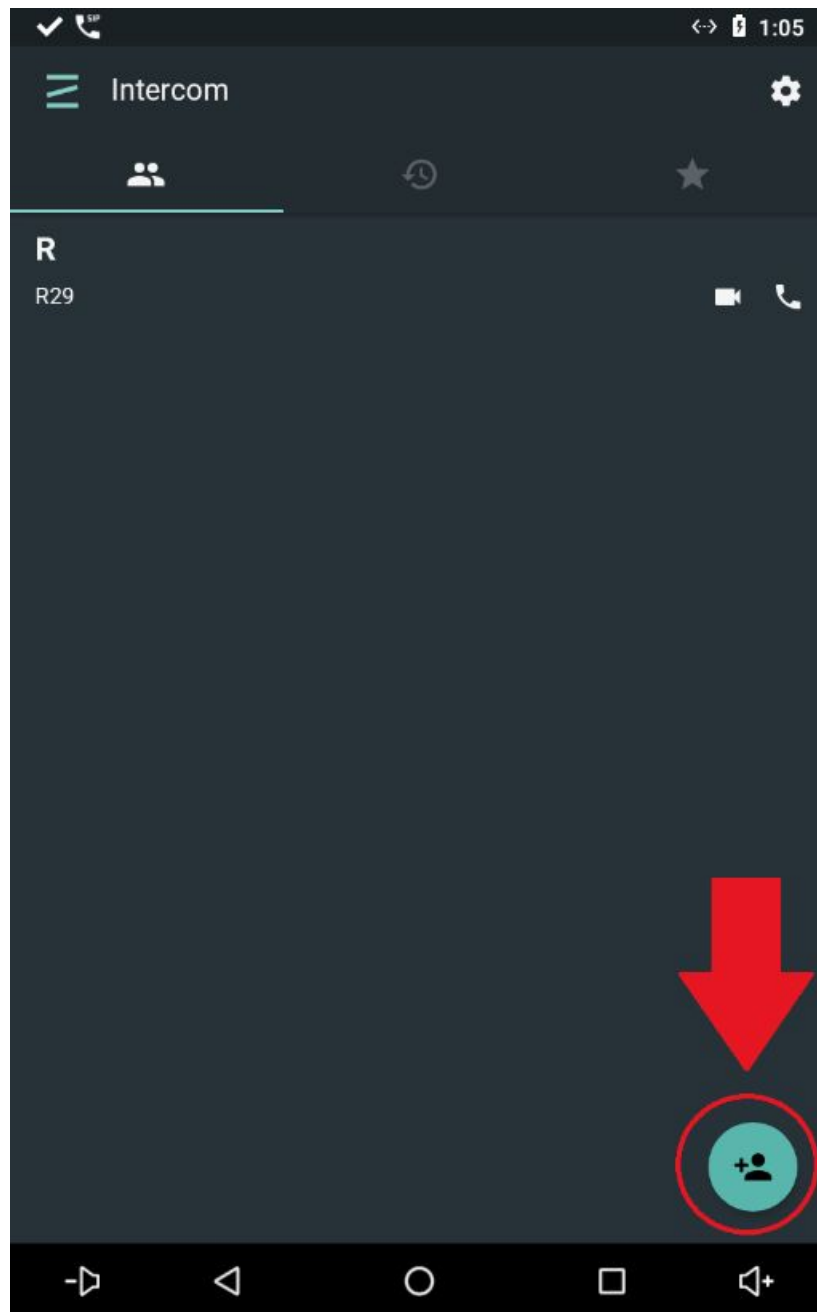


With the Doorphone option earlier enabled we now see that there an **“Open the door”** option during the call which will send the DTMF code to open the relay on the Akuvox device connected to the door:

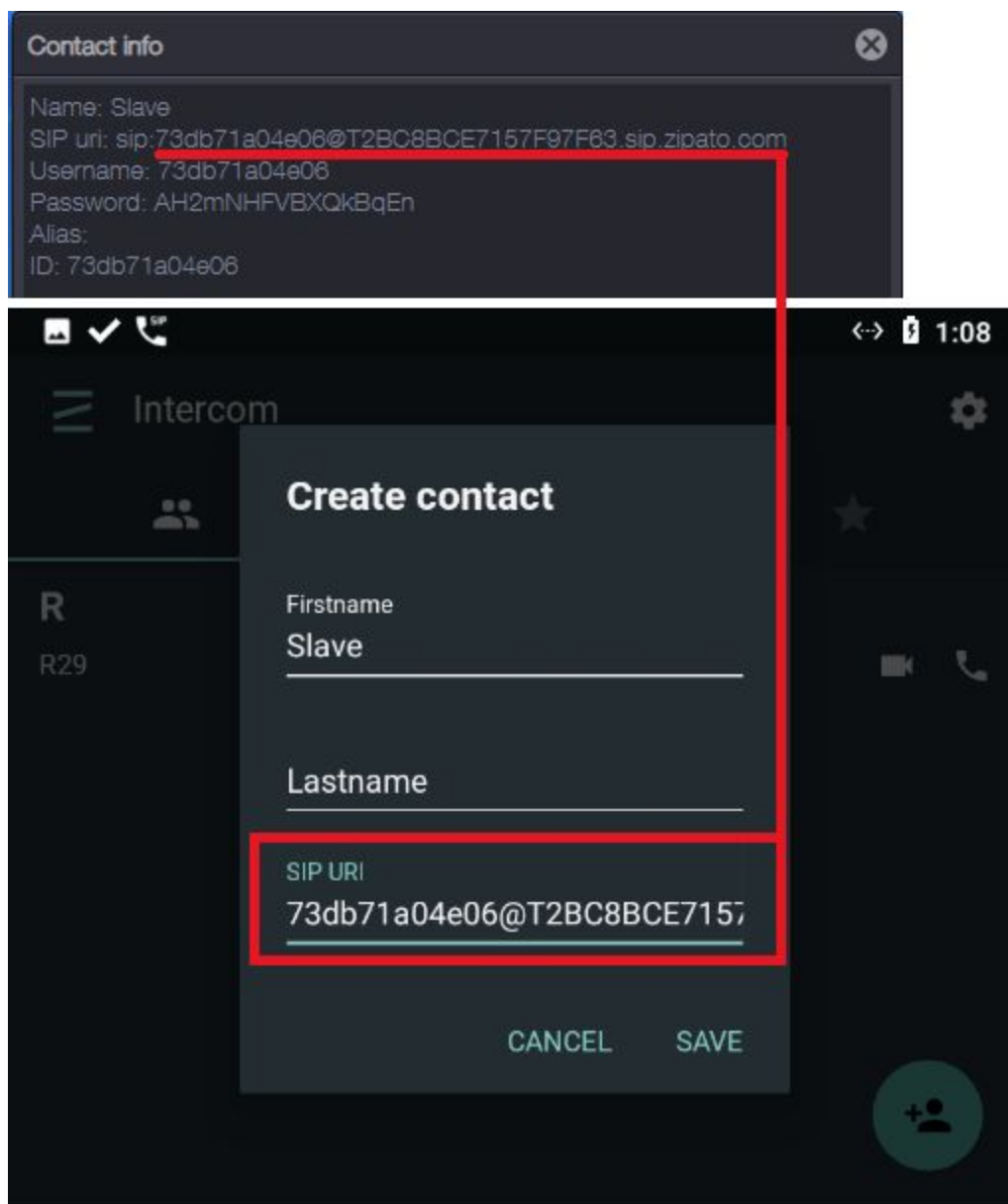


#9 Adding the Zipatyle2 account to contacts (zipatile-to-zipatile call)

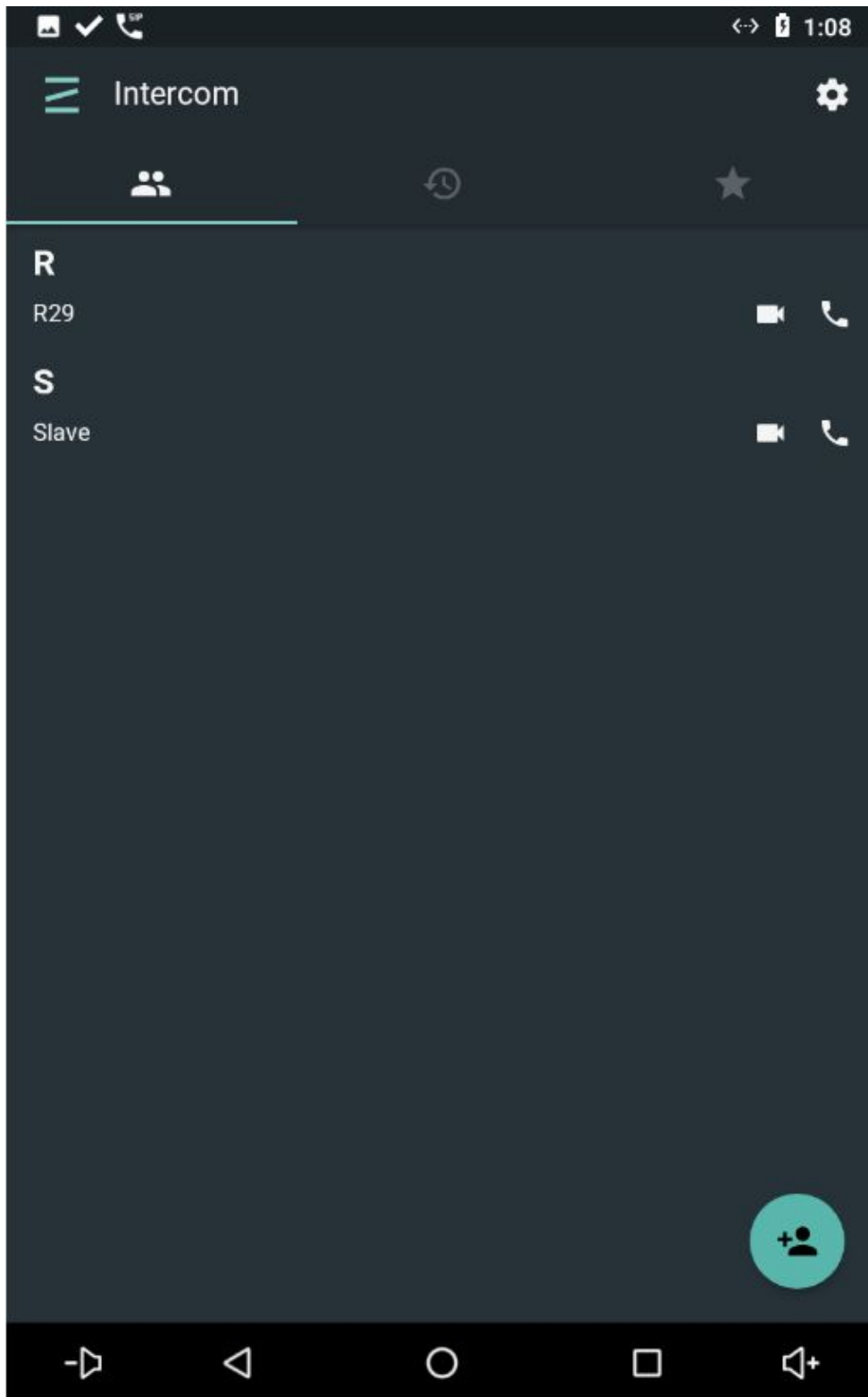
To add another Zipatile2 account as a contact procedure is the same as when adding the Akuvox as a contact. Simply create another contact again:



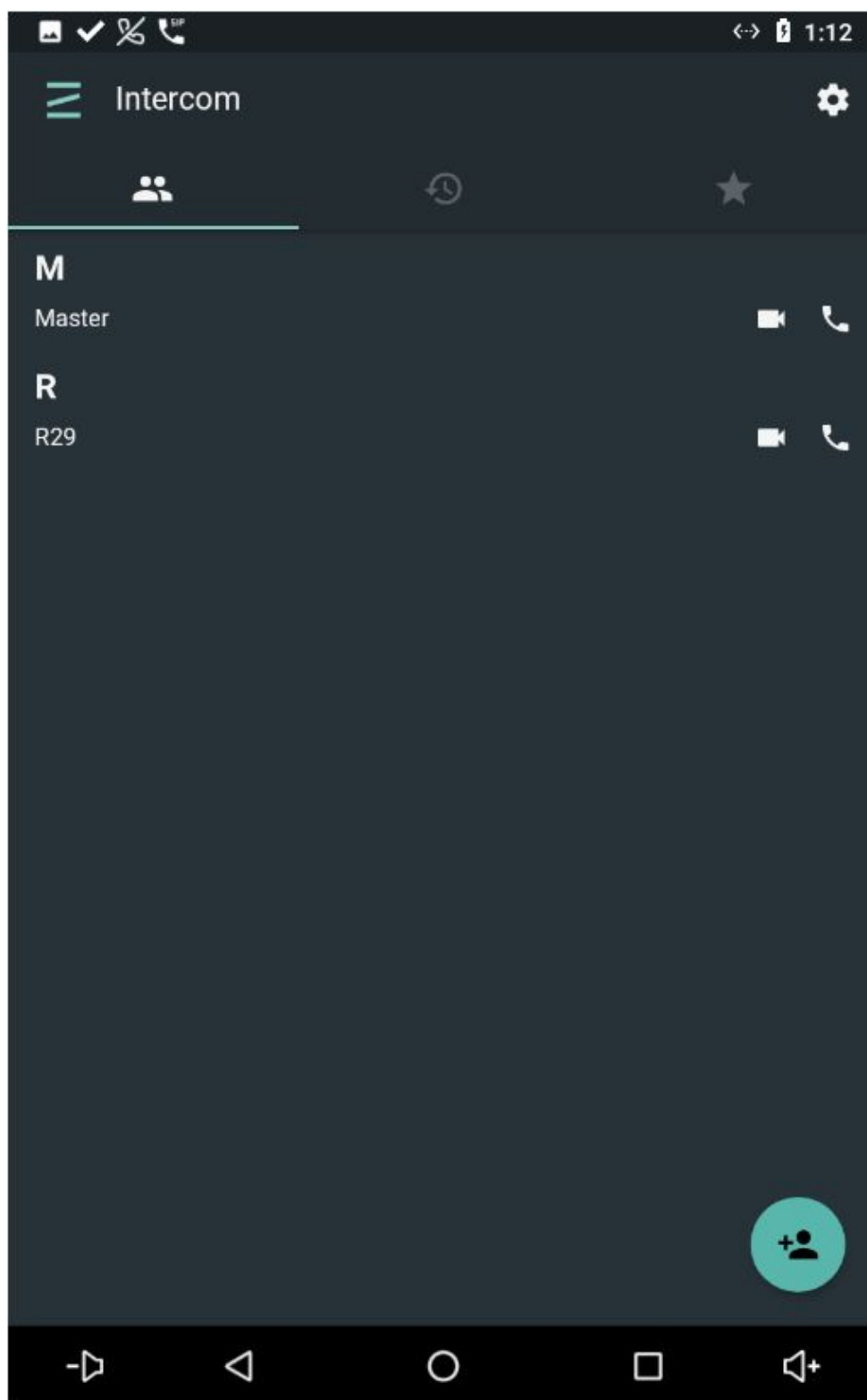
With the information of the slave device account (we are adding the slave account as the contact):



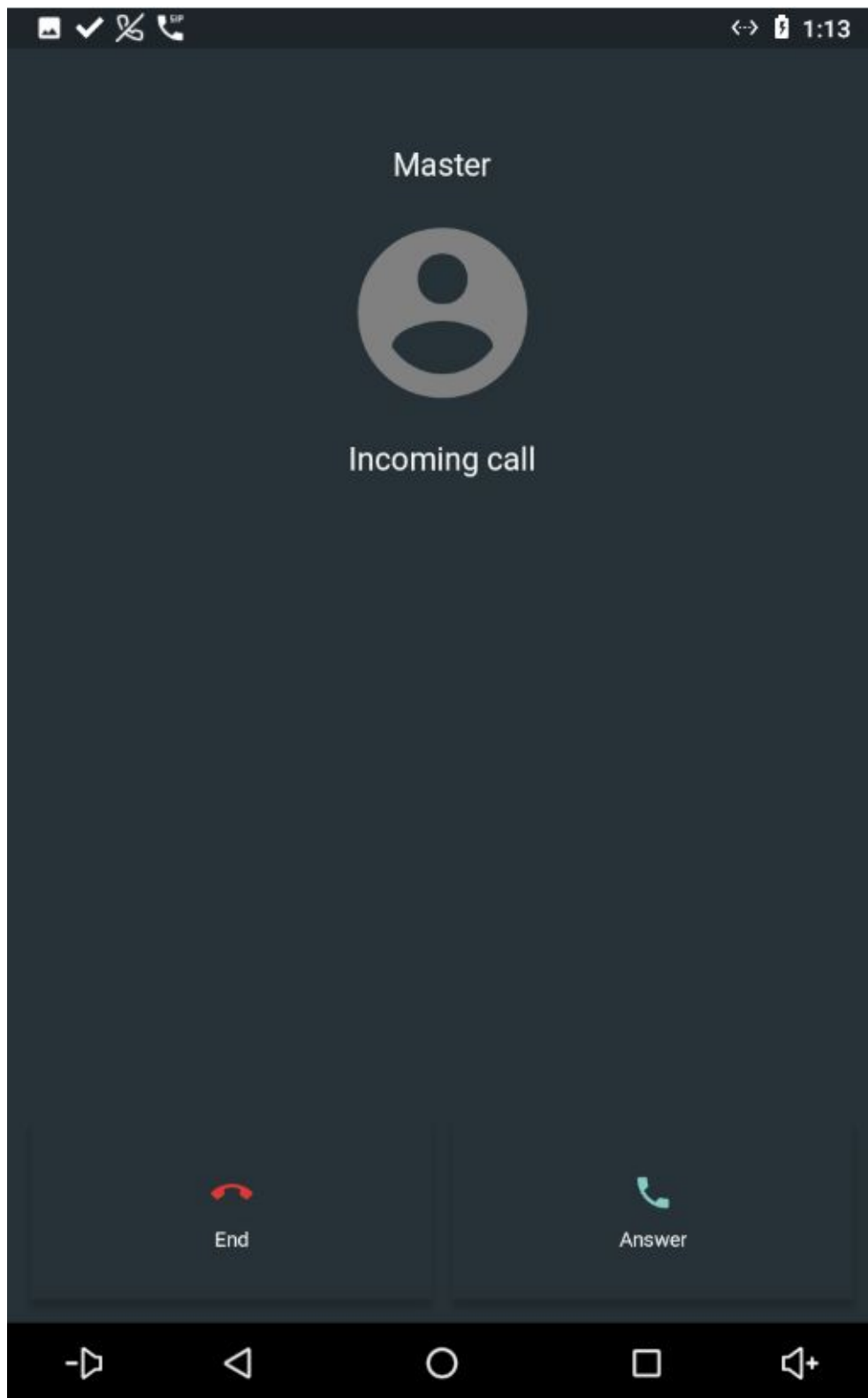
After that the slave device will be visible as a contact.



Repeat the same procedure on the Slave (other Zipatile) for the Master contact (so we can also call the master from slave):



Finally, test the call from Master to slave:



#Notes

- When using SIP Server App with both the Wifi and the Ethernet connection at the same time, the wifi and the ethernet connection need to be on different subnets