



Fasttel Wizard Elite IP on Loxone

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Create SIP Account

To be able to make an external call to the intercom from the Loxone app which is out of your LAN, several configuration adjustments needs to be done:

1. Create a SIP account on some free public SIP server which allows you to make anonymous incoming calls and adjust the configuration in the intercom and in the Loxone mini server.
2. Register your Loxone mini server
3. Setup port forwarding on your router for the Loxone app access and video stream
4. Add push notification

The Loxone app / Mini server is always the one who is initializing the SIP call and the calls are anonymous which means that the Loxone mini server is not registered anywhere and trying to establish the peer to peer call.

In case of external calls – only the intercom needs to be registered to the SIP Proxy. Configuration of the door controller is used by the Loxone app on the smartphone and here you only have the options for a SIP host and a user-id. This ID is NOT for the app itself but used to make an anonymous call to the intercom that has been registered as a SIP client with specific credentials. The app is NOT a full SIP client, so it does not register with a SIP provider. The Loxone app can make outgoing calls as an anonymous SIP user to the intercom by using the user-ID as a "phone number" for the destination (the intercom).

To be able to make an external call, the call needs to be sent to some proxy server which is able to receive calls from unknown sources. In this example server called antisip.com is used.

In this example we use antisip.com

Antisip - SIP Services

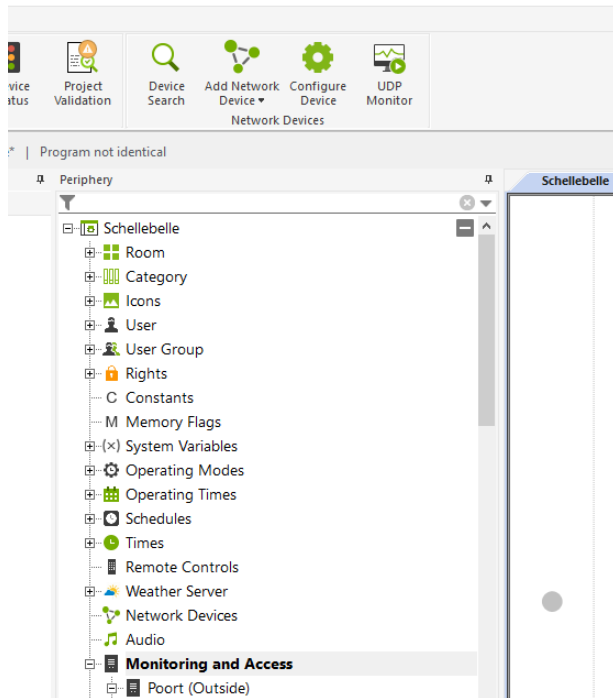
Hon

- Username: **fasttel**
- SIP Address: **<sip:fasttel@sip.antisip.com>**



Config Loxone:

1. In Periphery add a new network device, and select **User Defined Intercom**





2. In the settings of the door intercom:

Property	Value
Permissions	
Manage permissions	Edit...
Authorized users / groups	Edit...
Settings	
Assigned Intercom	Poort
Q1: User-Defined Function 1	Light
Q2: User-Defined Function 2	
Q3: User-Defined Function 3	
Configuration	Edit...
Default value	
Parameter template	
Max - Maximum ringing duration if nobody ans...	60
Referenced object	
General	
Name	Poort
Description	
Hint Text	Edit...
Object type	Intercom
Category	Access
Room	Outside
Settings	
Device type	User defined intercom
Picture when ringing	http://192.168.1.188:8080/?action=snapshot.jpg
URL video stream (local)	http://192.168.1.188:8080/?action=stream.jpg
URL video stream (external)	http://clouddns:8090
Username for Camera	admin
Password for Camera	*****
Host for audio (local)	192.168.1.188
Host for Audio (external)	sip.antisip.com
Audio username (internal)	
Audio username (external)	fasttel
Logging/Mail/Call/Track	

Fill in the following fields: (xxx.xxx.xxx.xxx is the ip address of the Fasttel intercom)

Picture when ringing: <http://xxx.xxx.xxx.xxx:8080/?action=snapshot.jpg>

URL video stream (local): <http://xxx.xxx.xxx.xxx:8080/?action=stream.jpg>

URL video stream (external): <http://clouddns:8090>

Username for camera: admin

Password for camera: *****

(these are the credentials configured in the Fasttel intercom under the section video settings)

Video Settings

MJPEG

Username 

Password 

Host for audio (local): xxx.xxx.xxx.xxx (ip address of Fasttel Intercom)

Host for Audio external: sip.antisip.com

Audio username (external): fasttel (account you created on antisip.com)



Antisip - SIP Services

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- Username: **fasttel**
- SIP Address: **<sip:fasttel@sip.antisip.com>**

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3. Create a new virtual input

Parlpoort (VI) (Outside, Access)

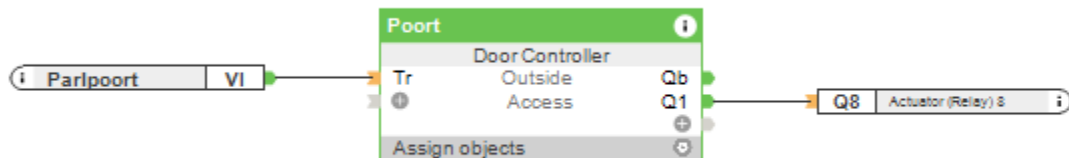
General	
Name	Parlpoort
Description	
Hint Text	Edit...
Object type	Virtual Input
Connection	V118
<input type="checkbox"/> Statistics	
Category	Access
Room	Outside
User Interface	
<input checked="" type="checkbox"/> Use	
<input type="checkbox"/> User interface password	
Icon	do not use
Rating	☆☆☆☆☆☆☆☆☆☆
<input type="checkbox"/> Use as Favorite	
Permissions	
Manage permissions	Edit...
Authorized users / groups	Edit...
Settings	
<input checked="" type="checkbox"/> Use as digital input	
Logging/Mail/Call/Track	
Validation	
Receive timeout	0
Default value	Off
Display	
Input type	Push Button
<input type="checkbox"/> Show status only	
Simulation/LiveView	

You don't need to add any settings to the virtual input.

- Add a new function block off the type: Access, Doorcontroller
 In the settings of the function block assign the created user defined intercom.
 The name of Q1 will be visible in the loxone app, assign Q1 to a free output and you will be able to activate this output from the Loxone in order to open the door.

Settings	
Assigned Intercom	Poort
Q1: User-Defined Function 1	Open door
Q2: User-Defined Function 2	

Assign the virtual input to the Tr input of the function block





Elite IP configuration

1. Sip connection settings:

- **Add a Display name** (username created at antisip.com)
- **Add the password** (password used at antisip.com)
- **Sipserver:** sip.antisip.com
- **Sip port:** 5060

SIP Connection Settings

Account

Display Name ?	<input type="text" value="fasttel"/>
Device Location ?	<input type="text" value="fasttel"/>
Phone Number ?	<input type="text" value="fasttel"/>
Domain ?	<input type="text"/>
Authentication ID ?	<input type="text" value="fasttel"/>
Password ?	<input type="password" value="....."/>

Registrar

	Address	Port
SIP Server ?	<input type="text" value="sip.antisip.com"/>	<input type="text" value="5060"/>
SIP Outbound Proxy 1 ?	<input type="text"/>	<input type="text"/>
SIP Outbound Proxy 2 ?	<input type="text"/>	<input type="text"/>
STUN Server ?	<input type="text"/>	
RTP Port ?	<input type="text"/>	
SIP Transport ?	<input type="text" value="UDP"/>	

Registration Status

Status	✓ Registered
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Detect DTMF

Inband ?	<input checked="" type="checkbox"/>
RTP ?	<input checked="" type="checkbox"/>
SIP INFO ?	<input checked="" type="checkbox"/>

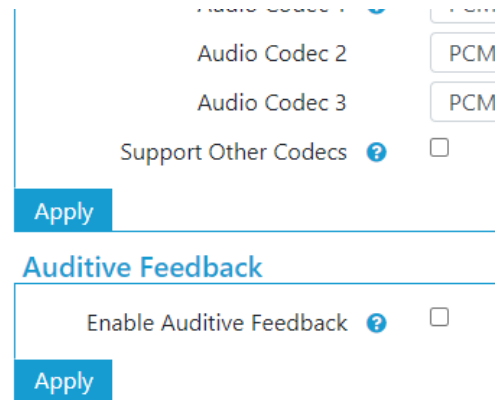
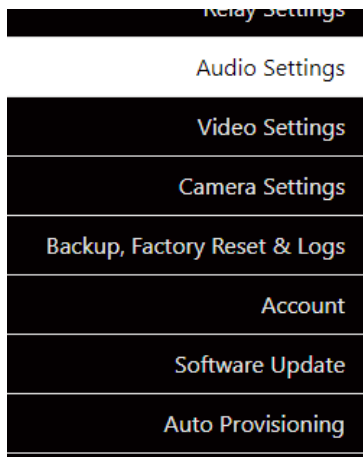
Echo Cancelation Options

ec-opt ?	<input type="text" value="771"/>
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If all fields are filled in correctly, the registration status should change to Registered.



2. Go to audio Settings:
Disable the flag: Enable Auditive Feedback



3. Phone directory
Create a new entry in the phone directory, name and phone number can be randomly chosen.
Activate **Call and enter** and select **external1**

Phone Directory

< > + ✖

Loxone 🔍

Display Name ?	<input type="text" value="Loxone"/>		
Phone Number ?	<input type="text" value="Loxone"/>	☎ ✖	
Access Code Relay 1 ?	<input type="text"/>		
Relay 1 ?	<input type="text" value="internal1"/>		Door Open Animation + Voice ? <input type="checkbox"/>
Access Code Relay 2 ?	<input type="text"/>		Door Open Animation + Voice ? <input type="checkbox"/>
Relay 2 ?	<input type="text"/>		Door Open Animation + Voice ? <input type="checkbox"/>
Time Profile ?	<input type="text"/>		
Call and Enter ?	<input type="text" value="external1"/>		
Shorten Ring Time to (sec) ?	<input type="text" value="1"/>		
RFID Number ?	<input type="text"/>	↻	
Stop Forwarding With DTMF ?	<input type="text"/>		
Stop Forwarding Timeout (sec) ?	<input type="text" value="10"/>	✔ ✖	

4. Relay settings:

Enable external relay 1, in the activation url enter the following stream:

External Relays

Relay 1 Enabled <input checked="" type="checkbox"/>			
DTMF Code ?	<input type="text" value="2"/>	Door Open Animation + Voice ? <input type="checkbox"/>	
External Activation URL ?	<input type="text" value="http://user:pasw@192.168.1.250/dev/sps/io/Parlpoort/Pulse"/>		

<http://user:pasw@192.168.1.250/dev/sps/io/Parlpoort/Pulse>

In this link the following items should match:

- **User** = username of the Loxone miniserver
- **pasw** = password of the Loxone miniserver
- **Parlpoort** = should match the exact name used for the virtual input in the Loxone config



- 5. Quick dial button settings
Assign the created user in the phone directory to button 1

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Quick Dial Button Settings

Button 1

Username ?	Username	Time Profile ?	Call and Enter ?
	Loxone		Remote1
Forwarded 1 ?			
Forwarded 2 ?			

Apply



Port forwarding

The following ports should be forwarded on the modem of the internet provider:

For the video: 8090 external towards 8080 internal and the ip address of the Fasttel intercom

192.168.1.	8090	8090	8080	8080	Beide ▾	Actief ▾
188						

For the loxone app: external port can be chosen towards internal port 80 and the ip address of the Miniserver.

192.168.1.	5544	5544	80	80	Beide ▾	Actief ▾
250						