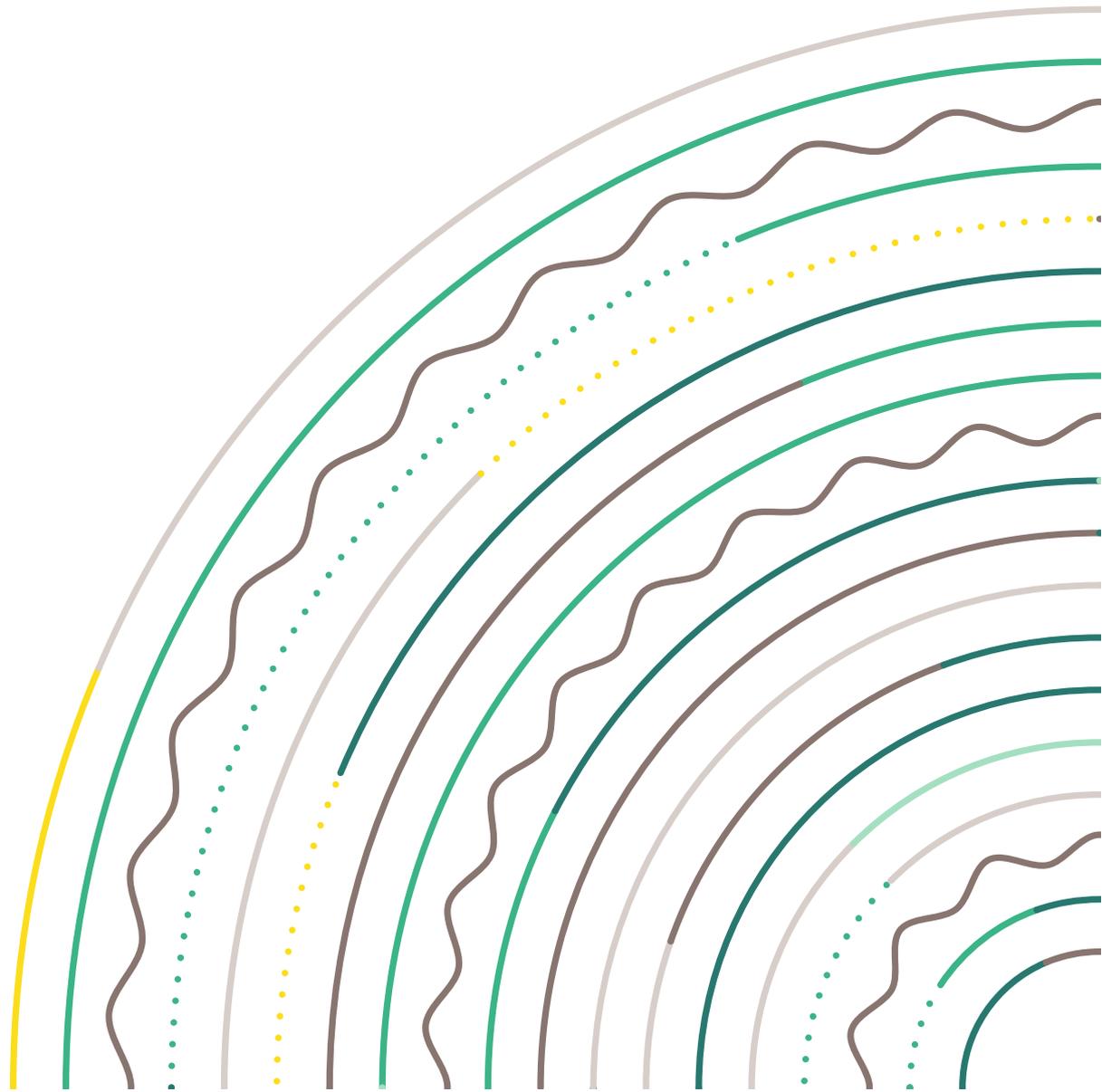


Lifedomus

Lifedomus – 2N

06/12/2018



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1 Introduction

1.1 2N doorkeepers

All doorkeepers from the 2N range are managed in SIP mode by Lifedomus.

1.2 Limitations

The call will be received in the Lifedomus application if it is running and in the foreground.

If you want to control the 2N lock, you will need to create a universal http connector. (IMPORTANT: this requires the “Advanced connectivity pack” software option)

Furthermore, access to the 2N's API HTTP requires a licence to be purchased from 2N.

2 Configuration

2.1 Doorkeeper

2.1.1 Call configuration

There is one item to be configured in the doorkeeper menu, and that is the call to Lifedomus.

To do so, go to the Directory menu, then to the Users sub-menu.

Create User 1 using the Add button.

Entering the Name and Email is not mandatory.

You can fill in each Number field with the customer's iPhones or Androids.

Fill the "Phone Number" field with "sip:lifedomus@SMARTPHONE_IP".

IMPORTANT: if you fill in several Numbers, you will need to tick "Parallel call to following number".

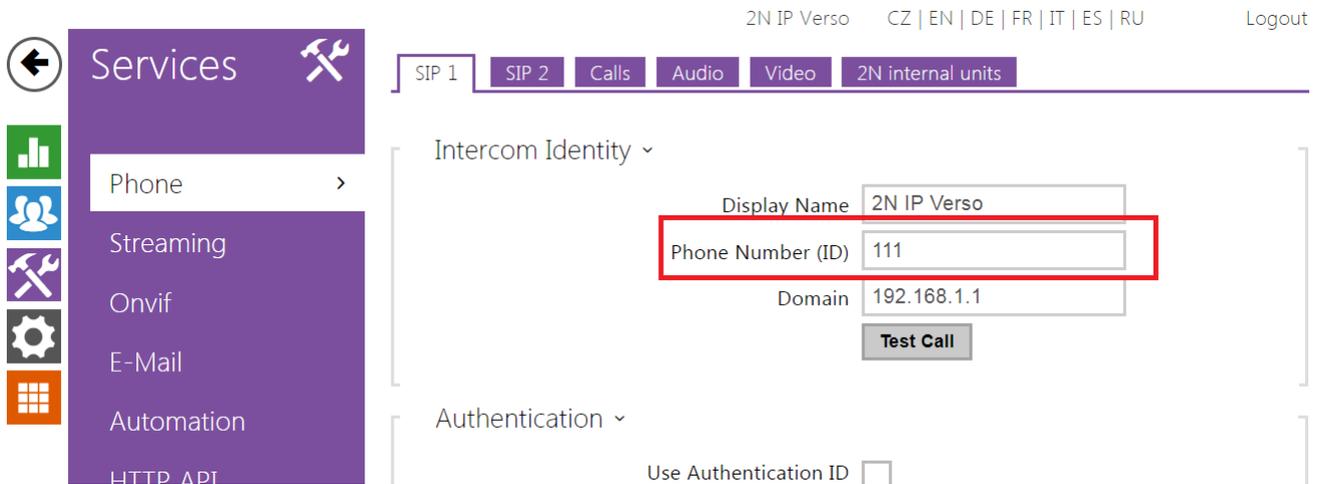
The screenshot shows the 'Directory' menu with 'Users' selected. The 'User Basic Information' section includes fields for Name, E-Mail, and Virtual Number. The 'User Phone Numbers' section shows two entries, 'Number 1' and 'Number 2', each with fields for Phone Number, Time Profile, and 2N@ IP Eye Address. The 'Parallel call to following number' checkbox is checked. A 'Save' button is visible at the bottom right.

2.1.2 SIP settings

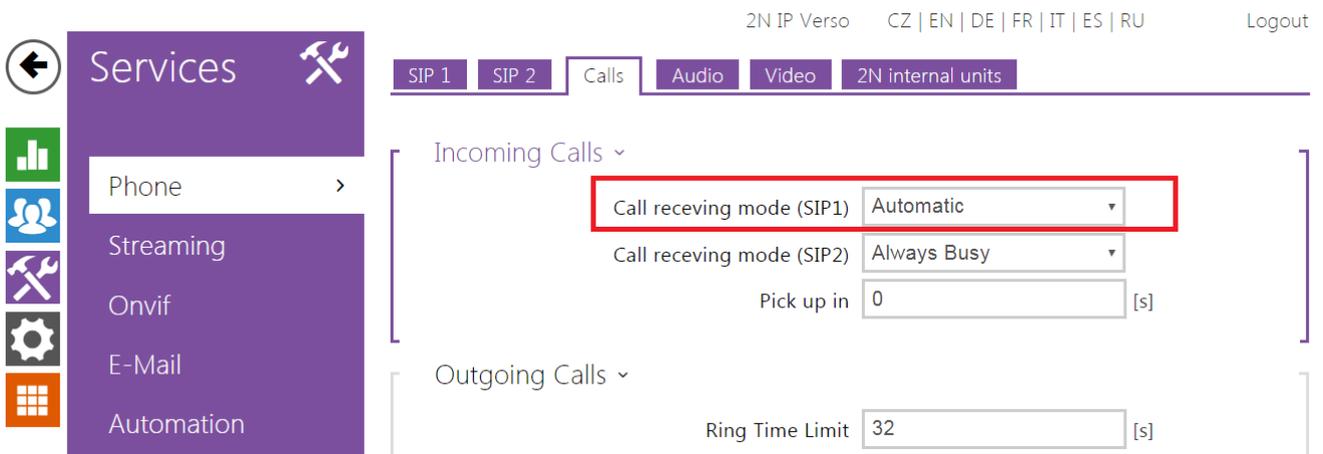
The doorkeeper is already configured by default in SIP P2P mode.

Go to the “Services” menu, then “Phone” sub-menu.

Gather the “Phone Number (ID)” data as it will be useful when configuring Lifedomus.



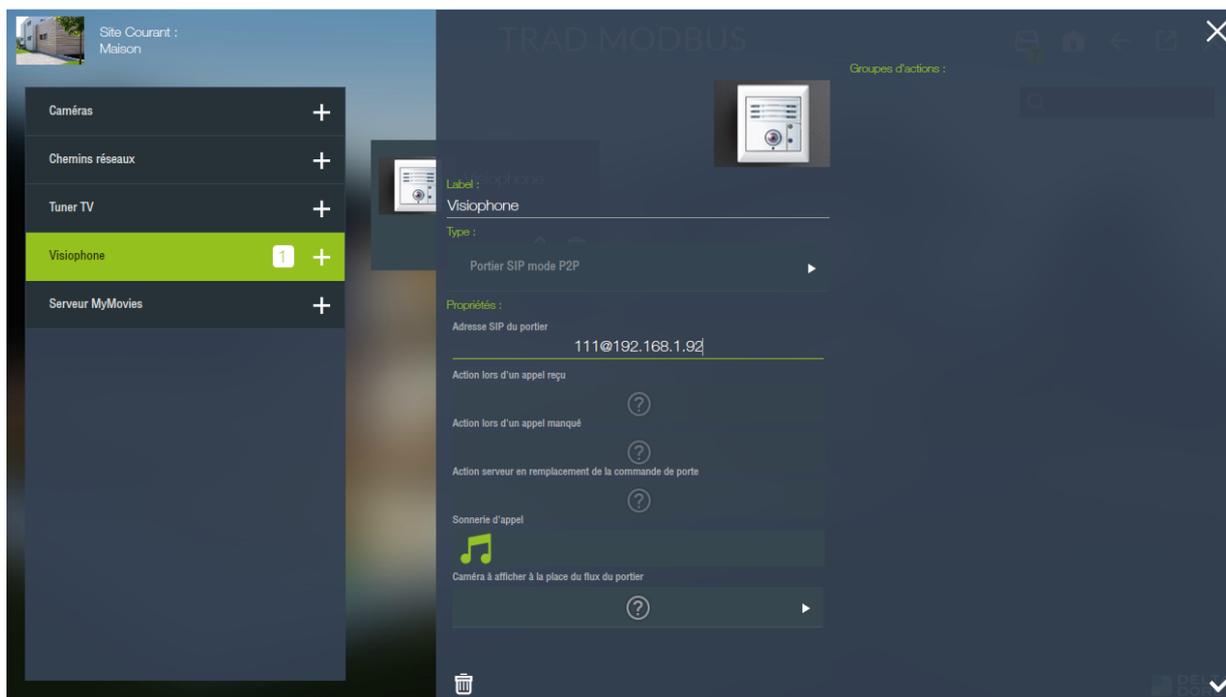
Then, go to the “Calls” tab and switch the “Call receiving mode (SIP1)” to “Automatic”.



2.2 Lifedomus

In the Studio config, go to the Multimedia menu and create a “P2P type SIP doorkeeper” videophone.

As an SIP address for the doorkeeper, enter the address that depends on the name that you have entered in the previous section, here it is “111@DOORBIRD_IP”.



Now, on all iPhones, iPads and Android devices, if you go to the videophone tab, you can interface with the 2N doorkeeper.

IMPORTANT: only those entered in the doorkeeper's users (see previous chapter) will receive the call.

2.3 Interaction with home automation

You can create a scenario to perform actions during a call to the doorkeeper: e.g. make the lights blink, play music on the SONOS sound systems, etc.

For this to be possible, in the “Phone number” field for one of the numbers in the doorkeeper's configuration, the IP for Lifedomus' server needs to be called instead of an iOS/Android device.

Then, in the videophone setup in CS, you can select a scenario already created in the field below the doorkeeper address: “Action during an incoming call”.

2.4 Lock control

If you want to control the 2N lock, you will need to create a universal http connector. (IMPORTANT: this requires the “Advanced connectivity pack” software option)

Furthermore, access to the 2N’s API HTTP requires a licence to be purchased from 2N.

To check whether you can use this function, go to the “Services” menu then to the “HTTP API” sub-menu and make sure I/O API has been enabled:

The screenshot shows the 'Services' menu with 'HTTP API' selected. The main content area displays 'HTTP API Services' with a table of services.

SERVICE	ENABLED	CONNECTION TYPE	AUTHENTICATION
System API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Switch API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
I/O API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Audio API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Camera API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Display API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
E-mail API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Phone/Call API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Logging API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest

Go to the “Account 1” tab and create a profile to secure the HTTP API:

The screenshot shows the 'Account 1' configuration page for 'HTTP API'. It includes a 'User Settings' section with fields for 'User Name' and 'Password', and a 'User Privileges' table.

Account Enabled

User Settings

User Name:

Password:

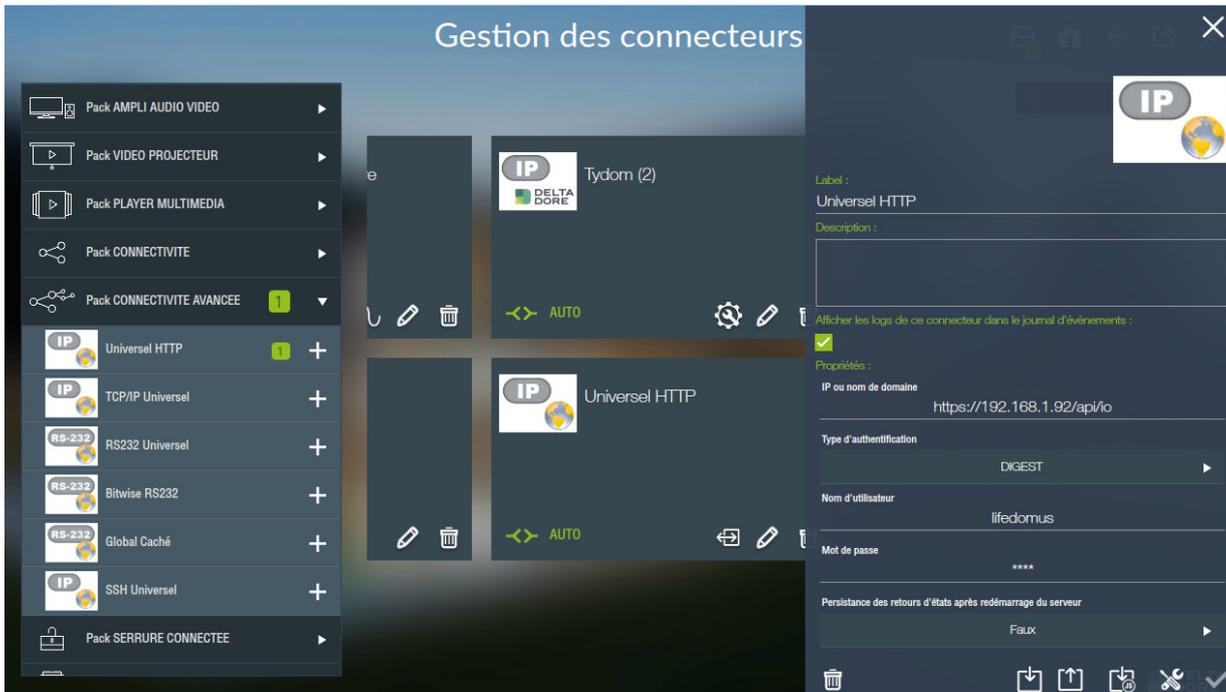
User Privileges

DESCRIPTION	MONITORING	CONTROL
System Access	<input type="checkbox"/>	<input type="checkbox"/>
Phone/Call Access	<input type="checkbox"/>	<input type="checkbox"/>
I/O Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Switch Access	<input type="checkbox"/>	<input type="checkbox"/>
Audio Access	<input type="checkbox"/>	<input type="checkbox"/>

Create a “Universal HTTP” connector.

In the connector settings, complete the following fields:

- IP or domain name: https://IP_DU_2N/api/io
- Authentication type: DIGEST
- Username: User Name for Account 1
- Password: password for Account 1

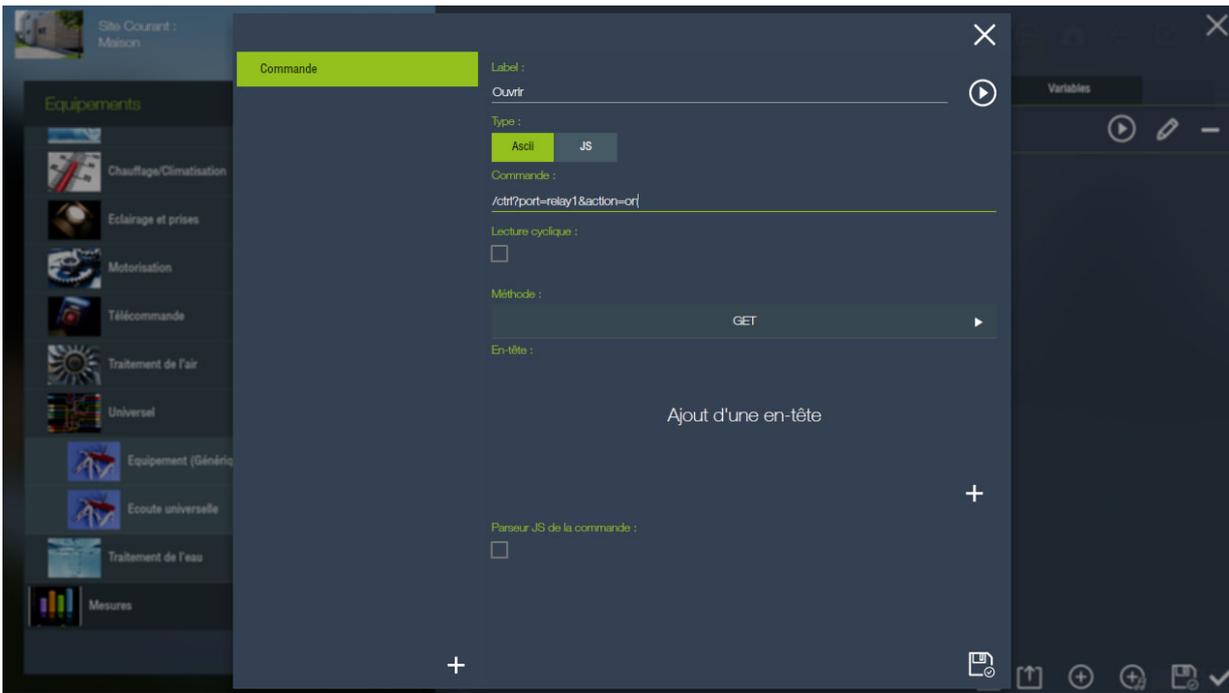


Save the connector, and it should start.

Now go to the device menu and create a Generic device from the tabs: Devices > Universal > Generic device.

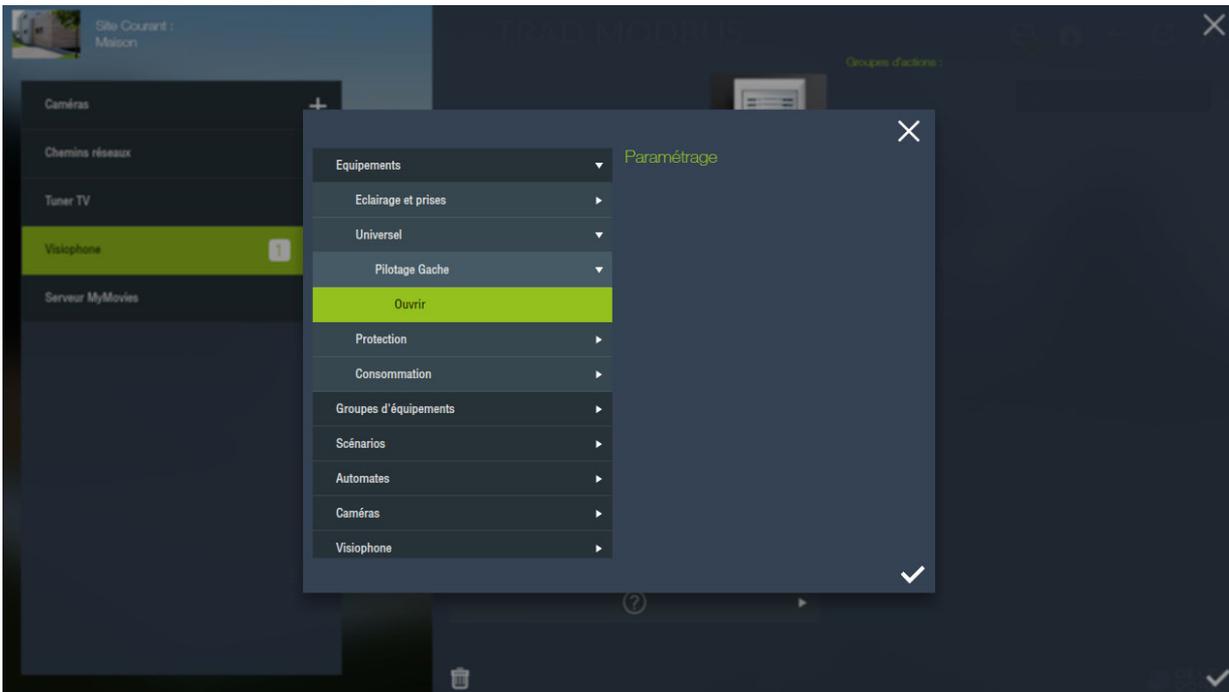
Name the “Lock Control” and assign the previously-created 2N connector to it.

Create a control by pressing the + button below the properties and edit via the pencil icon. Name it “Open”, leave the ASCII type and enter the following command: « /ctrl ?port=relay1 &action=on »



Now go to the multimedia menu and configure the '2N' videophone.

In the settings, select the field 'Server action in replacement for the door control'. In the pop-up, select the 'Open' action on the previously-created 'Lock control' device.



In the doorkeeper pop-up in iOS/Android applications, the door button must now control the 2N lock.