GetFace IP
Configuration Guide with Indoor Units

GetFace IP Firmware Version: [2.38]
User manual version: [1.0]_f

www.zennio.com

CONFIGURATION GUIDE

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DOCUMENT UPDATE

Version	Modifications	Page(s)
[1.0]_f	• Updated information of communication protocols	16
[1.0]_e	• Image update to adapt to the new firmware version 2.37	-
[1.0]_d	• Added configuration steps (Services → Phone → SIP X).	-
[1.0]_c	**Changes in Z70 v2 application program**: • Change in IP address management. • Added a step in de basic configuration of GetFace IP (Services → HTTP API → Account and Hardware → Switches).	-
[1.0]_b	**Changes in GetFace IP configuration**: • Change in the recommended configuration of the system API.	-

1 INTRODUCTION

This document presents an example of basic configuration of the **GetFace IP** video intercom together with the **indoor unit** in a simple installation of a private home when **both devices are in the same network**. A computer connected to the same network is also required to access to the GetFace IP web interface configuration. Figure 1 shows an example of installation and IP addresses of each device.

GetFace IP compatible indoor units are **Z41 COM, Z50, Z70 v2** and **Z100**.

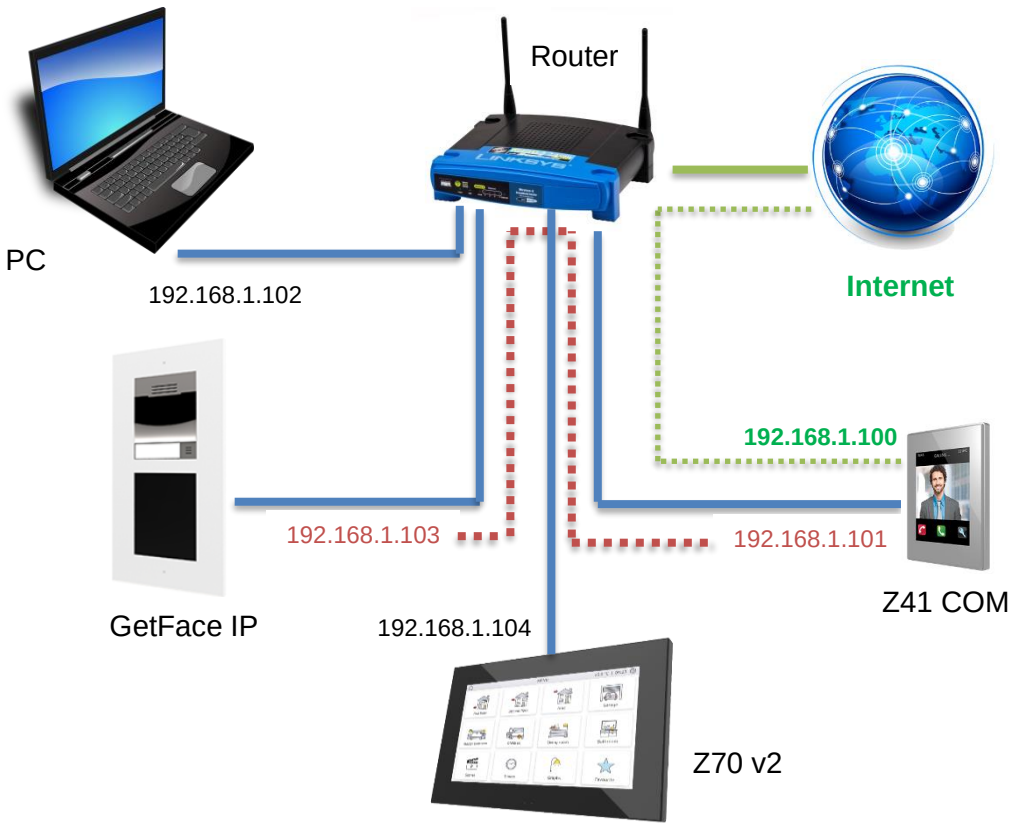


Figure 1 Example of basic topology

It should be noted that **Z41 COM** has two IP addresses:

- One generic IP. In the example: 192.168.1.100:
  - Remote control through Z41 Remote application.
  - Connection with the NTP server to update date and time.
  - Firmware updating through ZenPak Updater.

- Another one for the communication with the video intercom. In the example: 192.168.1.101.

  In this case only the IP for the video intercom communication needs to be set, taking into account that it must not be the same as the generic IP.

Important: these IP addresses of Z41 COM are managed independently, so it is not required that both belong to the same IP network.

It is recommended to configure both devices in parallel (indoor unit and GetFace IP) since it is important that certain parameters have the same values in both devices (this is indicated with warning notes throughout the document).

2 BASIC CONFIGURATION

This section shows the basic configuration required in an installation with a single indoor unit and a single GetFace IP unit.

Note: *For further information about the parameters please refer to the Z41 COM, Z50, Z70 v2, Z100 or GetFace IP user manuals available at the Zennio website (www.zennio.com).*

2.1 Z41 COM CONFIGURATION

The following aspects must be configured in the ETS configuration:

1. In “MAIN CONFIGURATION”, tab “VoIP Calls”:

   1.1. IP Address: *192.168.1.101*[1] (the default value can be left).

   1.2. Subnet Mask: *255.255.255.0*

   1.3. Specify Gateway: ☐ *Disabled*. (not necessary if the devices are in the same network).

   1.4. Video Intercom: ☑ *Enabled*.

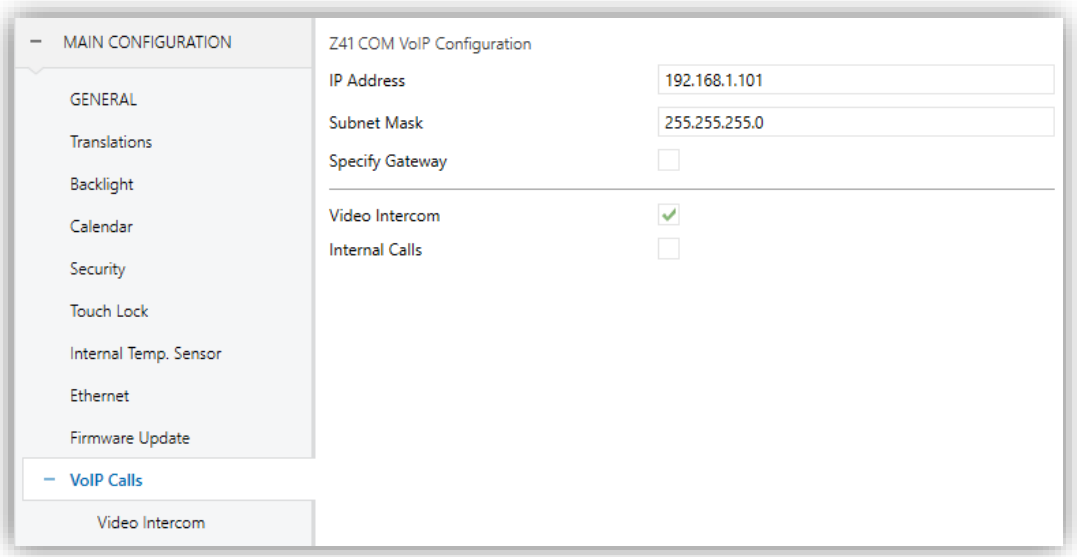


Figure 2 Z41 COM – VoIP Calls Configuration.

[1] The default values will be highlighted in *blue* in this document. In **red** those that should be modified.

> ***IMPORTANT:*** *If the IP for the remote control of Z41 COM is set statically in "**MAIN CONFIGURATION**", tab "**Ethernet**" make sure **not** to set the same IP for the VoIP Calls.*

2. In "Video Intercom":

   2.1. Outdoor Unit 1: ☑ **Enabled**.

3. In "Outdoor Unit 1", in the tab "Configuration":

   3.1. Type: *Private*.

   The private type allows accessing at any time to the visualization of images from the camera of the outdoor unit. The community type does not

   3.2. The Outdoor Unit Is in a Different Network: ☐ *Disabled*.

   In our example, the video intercom unit is located on the same network: 192.168.1.0/24.

   3.3. Define ID: ☐ *Disabled*.

   The ID only needs to be indicated when there are several external units and want to associate them with different video intercom boxes in Z41 COM. See section 3.2 for further information.

   3.4. Number of Doors: *1*.

   In our example, the system will have a single access with a single door.

   3.5. Opening Settings:

   3.5.1. HTTP Command: ☑ *Enabled.*

   3.5.2. Secure Opening: ☐ *Disabled.*

   3.5.3. KNX Object: ☐ *Disabled*.

   3.6. Automatic Door Opening: ☐ *Disabled*.

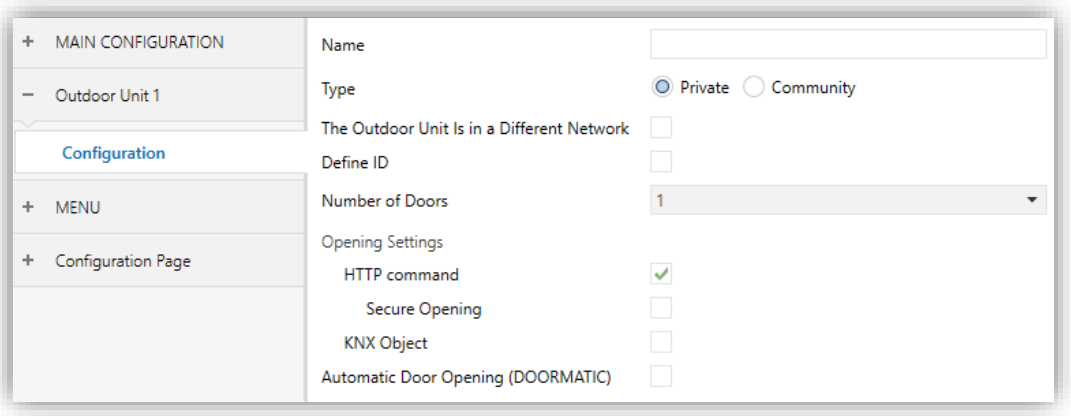


Figure 3 Z41 COM – Outdoor Unit Configuration.

4. In “MENU” enable a page and within it box whit Visualization “Other” and function “Video Intercom”.

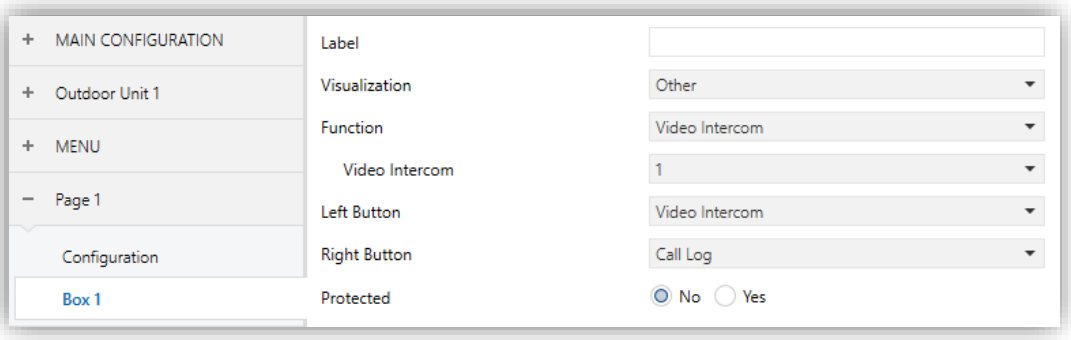


Figure 4 Z41 COM - Video Intercom box configuration.

4.1. Video Intercom: *1*.

> ***IMPORTANT:*** *the number of the video intercom must be the same as the one selected in 1.4.*

2.2 Z50 / Z70 v2 / Z100 CONFIGURATION

The following aspects must be configured in the ETS configuration:

1. In “IP Configuration”:

   1.1. VoIP: ☑ **Enabled**.

      1.1.1. IP Address, Subnet Mask, Gateway, DNS: set the appropriate network settings.

   1.2. Different Network: ☐ *Disabled*. (not necessary if the devices are in the same network).

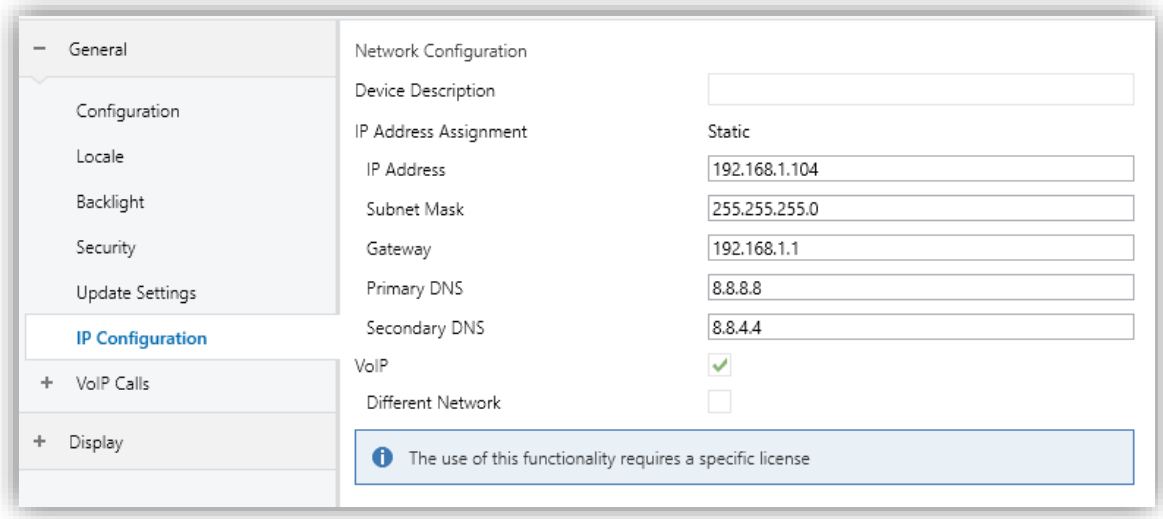


Figure 5 Z50 / Z70 v2 / Z100 – IP Configuration.

> ***IMPORTANT:*** *If the video intercom is on a different network and IP Address Assignment is set to Static, make sure not to set the same IP for Z50 / Z70 v2 / Z100 and for VoIP calls.*

2. In “VoIP Calls”:

   2.1. Video Intercom: ☑ **Enabled**.

3. In “Video Intercom”

   3.1. Outdoor Unit 1 / Generic Outdoor Unit: ☑ **Enabled**.

4. In “Outdoor Unit 1” / “Generic Outdoor Unit”

   4.1. Type: *Private*.

   4.2. Unit with Camera: ☑ *Enabled*.

The private with camera type enables access any time to the visualization of images from the camera of the outdoor unit, as long as it is not a generic outdoor unit.

4.3. Outdoor Unit ID: ☑ *ID_1*. Not available in “Generic Outdoor Unit”

See section 3.2 for further information.

4.4. Set Static IP: ☐ *Disabled*. Not available in “Generic Outdoor Unit”

The GetFace IP will only be needed when it is not in the same network as the indoor unit. In our example, both are located on the same network: 192.168.1.0/24.

4.5. Opening Settings:

4.5.1. HTTP Command Secure Opening: ☐ *Disabled.*

4.5.2. KNX Object: ☐ *Disabled*.

4.5.3. Automatic Door Opening: ☐ *Disabled*.

4.5.4. Enable KNX Objects to trigger Opening ☐ *Disabled*.

4.6. Door n ☑ **Enabled**.

4.6.1. HTTP Command Opening: ☑ *Enabled*.

In our example, the system will have a single access with a single door.

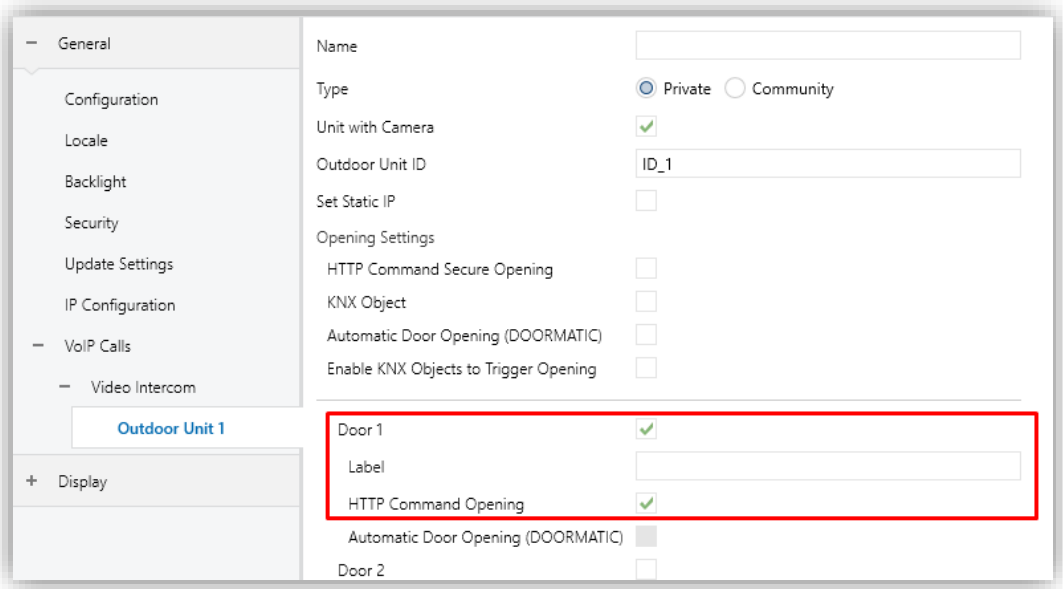


Figure 6 Z50 / Z70 v2 / Z100 – Outdoor Unit Configuration.

5. In “Display” enable a page and within it box with Visualization “Other” and function “Video Intercom”.

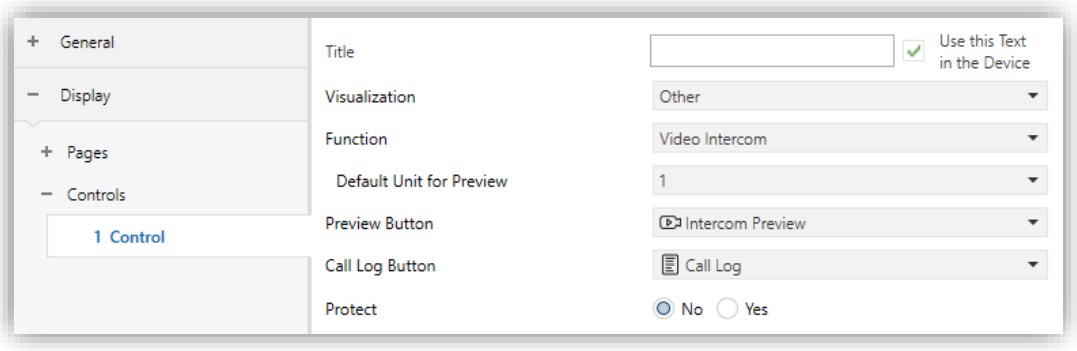
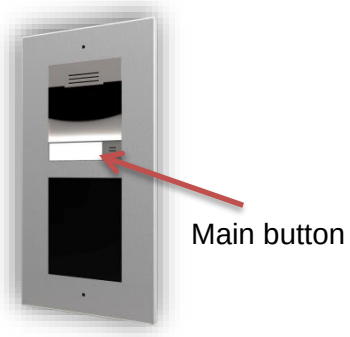


Figure 7 Z50 / Z70 v2 / Z100 - Video Intercom box configuration.

2.3 GETFACE IP CONFIGURATION

By default, **GetFace IP** acquires its IP address by DHCP, but it can be set a static IP address as well. To change between one mode and another follow the steps below:

1. Connect GetFace IP to the power supply and to the network.
2. After connecting the power supply or after performing a reset and once the video intercom is fully initialized (wait until lights up permanently), there are 30 seconds of operation to perform the following actions:



2.1. Press for 5 times the button of the basic unit: the device announces its IP.

2.2. Press for 15 times the button of the basic unit: the device will switch between a dynamic IP (DHCP) and a static IP configuration.

The default static IP configuration is shown in Figure 8.

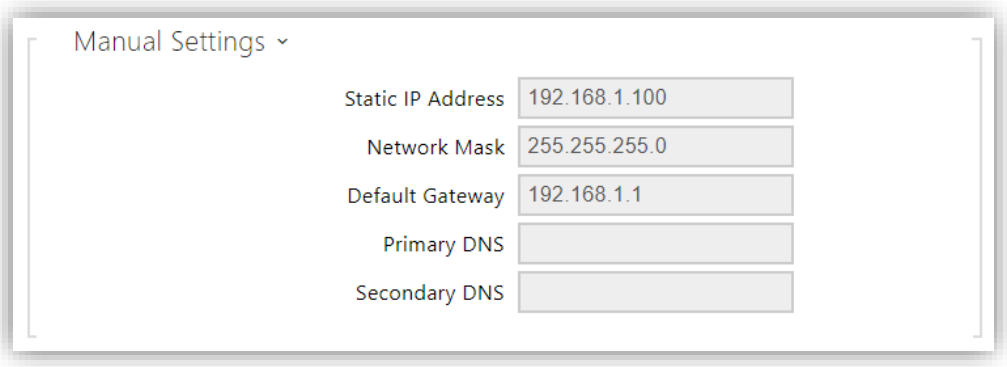


Figure 8 GetFace IP - Static IP Configuration by default

It is recommended to set the IP assignment by DHCP (later is possible to change it to a static IP) to be able to access the web configuration interface.

To access to the configuration interface, enter the video intercom IP in a web browser. For example: **http://192.168.1.100**.

Authentication is required for access to the web interface. By default, it is set to:

- Username: admin
- Password: zennio

Changing the password is recommended after the first access to the device. The main window will look similar to Figure 9. The default language of the interface is English. It can be changed in the upper right.

Figure 9 GetFace IP - Configuration menu

First, if wanted to change the IP address to a static configuration (this step is not mandatory, the IP assigned by DHCP can be left):

1. **System → Network**

1.1. **Use DHCP Server**: *Disabled*.

1.1.1. Set the network configuration desired.

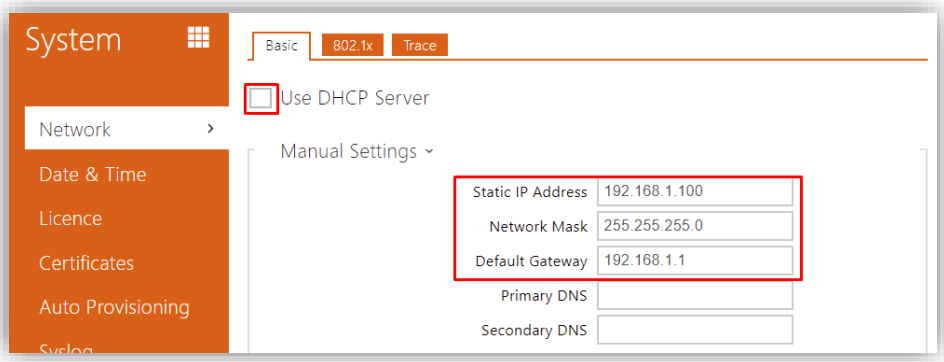


Figure 10 GetFace IP - Configuration menu

For a basic installation, only the following parameters must be configured:

2. **Directory → Users:** add user.

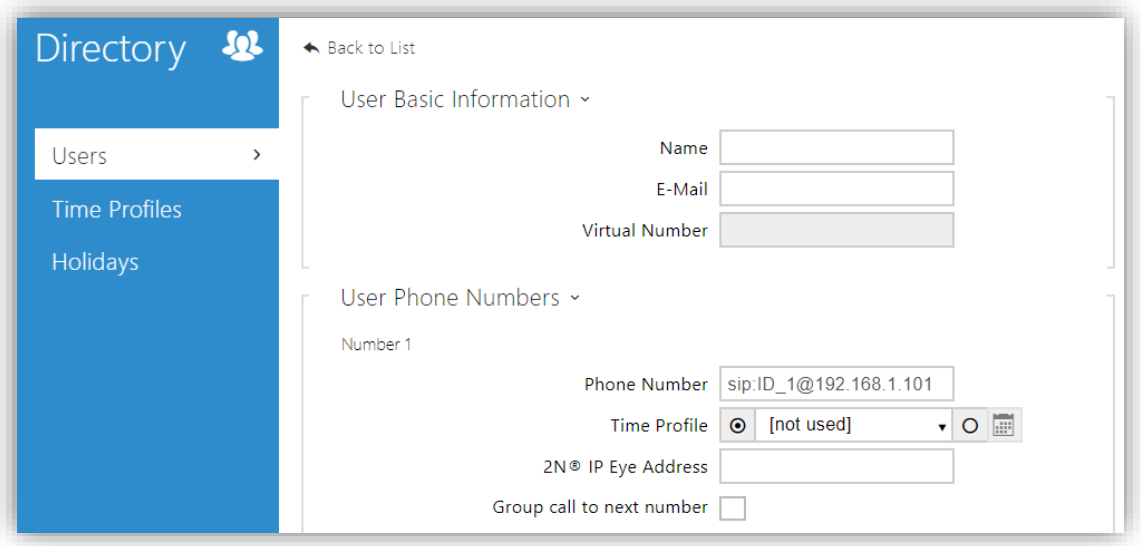


Figure 11 GetFace IP - Add user

2.1. **Phone number:** it will be used the Number 1 by default. The format should be *sip:id@[IPaddress]*. The "id" will only be used to identify calls in the event log in the state section. Example: **sip:1@192.168.1.101**.

> ***IMPORTANT:*** *The IP address must be the same configured by parameter in Z41 COM (item 1.1, section 2.1) or in Z50 / Z70 v2 / Z100 (item 1.1, section 2.2).).*

3. **Services → HTTP API → Services**

3.1. **System API**: *Secure (TLS)* / *Digest*.

3.2. **Switch API**: *Secure (TLS)* / *Digest*.

3.3. **Camera API**: **Unsecure (TCP)** / **None**.

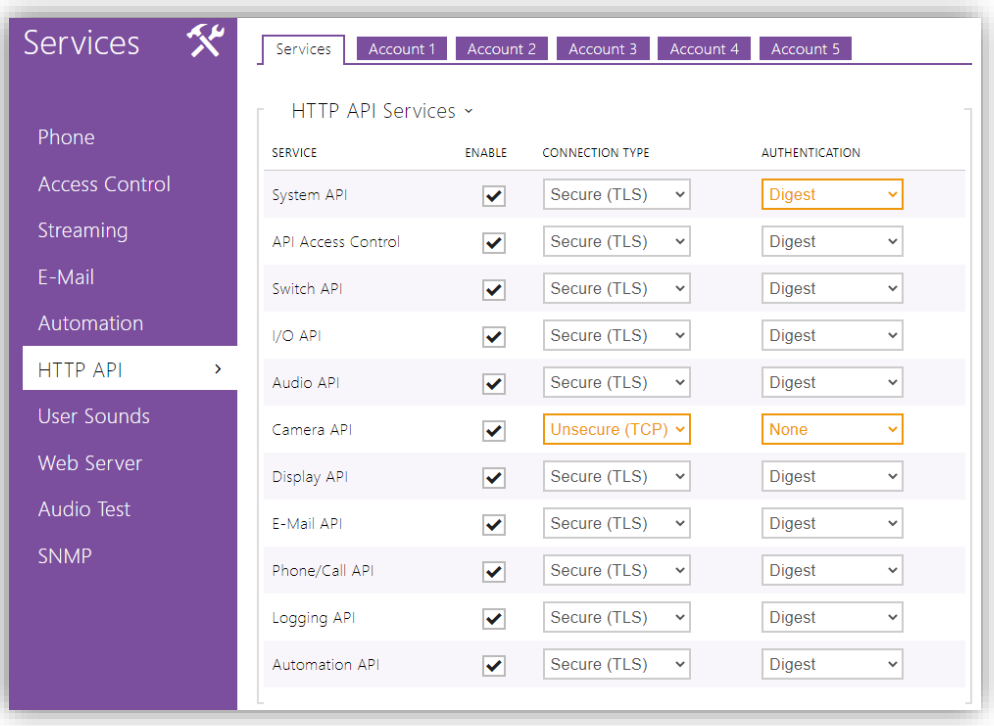


Figure 12 GetFace IP - API HTTP Configuration – Services

4. Services → HTTP API → Account X

4.1. **Account X:** Account Enabled: **Enabled**.

4.2. **Switch Access** → CONTROL: **Enabled**.

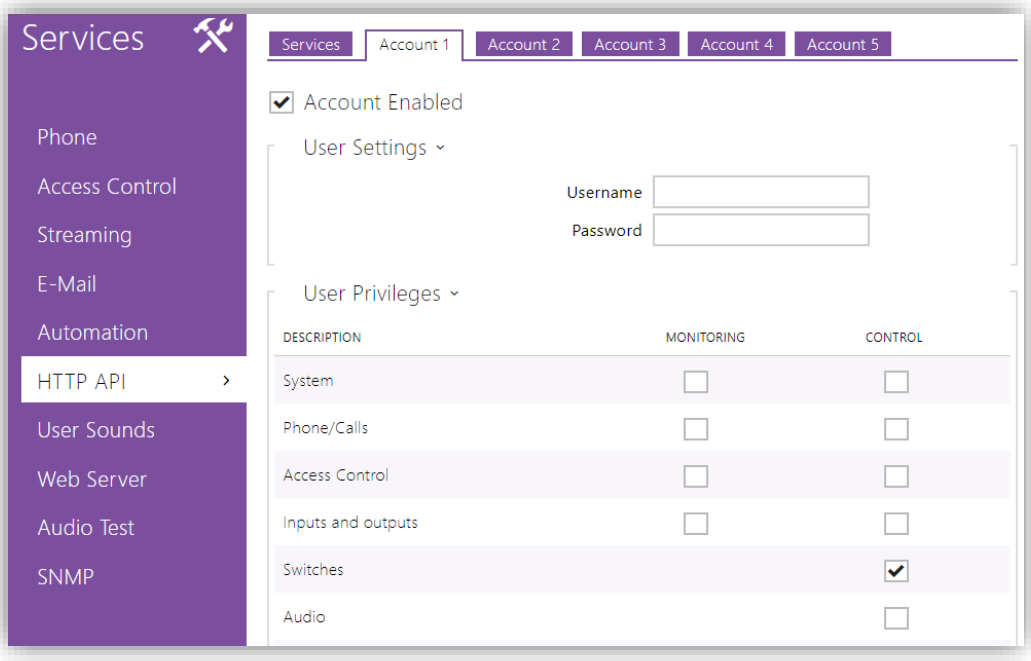


Figure 13 GetFace IP - API HTTP Configuration

5. **Services → Phone → SIP X:**

5.1. **Phone Number (ID):** it will be used the ID configured by parameter. Example: **ID_1**.

5.2. **Advance Configuration:**

5.2.1. **SIP Transport Protocol**: Sets the communication protocol to use.

Note: *Z50, Z70 v2 and Z100 devices with version before 3.7 do not support TCP protocol.*

IMPORTANT: *The ID must be the same configured by parameter in Z41 COM (item 3.3 in section 2.1) or in Z50 / Z70 v2 / Z100 (item 4.3 in section 2.2).*

IMPORTANT: *This step is not necessary if the "Define ID" parameter is not enabled in Z41 COM (item 3.3 in section 2.1). In Z50 / Z70 v2 / Z100 is not necessary if a "Generic Outdoor Unit" is configured (item 3.1 in section 2.2).*

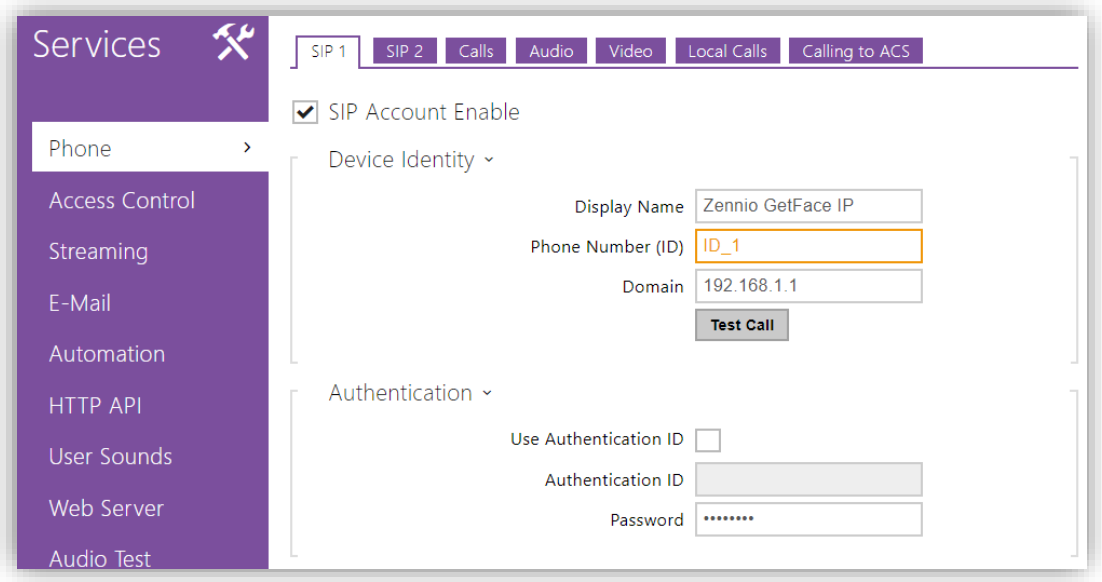


Figure 14 GetFace IP – Phone – SIP.

6. **Hardware → Switches → Switch x**

6.1. **Switch Enabled**: **Enabled**.

6.1.1. **Controlled Output**: select Relay 1 or Output 1, depending on where the door lock is connected.

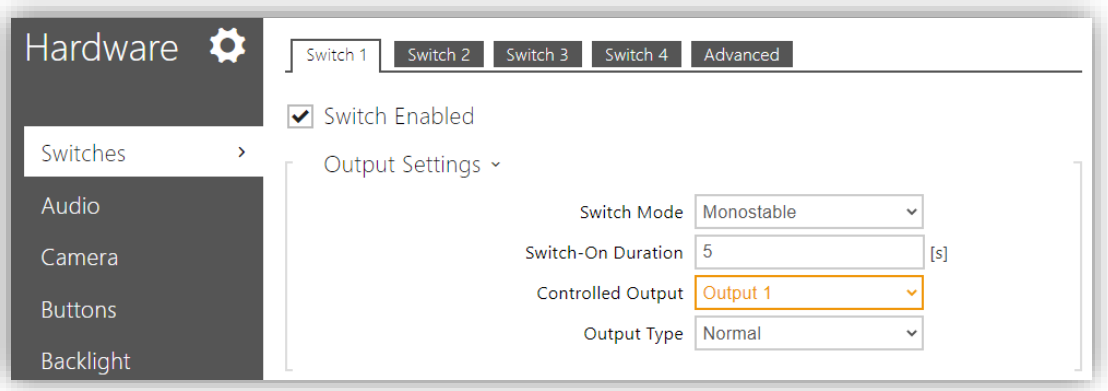


Figure 15. GetFace IP – Hardware – Switches.

7. **Hardware → Buttons**:

7.1. **Main Unit Buttons:** associates the unit button with users.

7.1.1. Add User: **Enabled**.

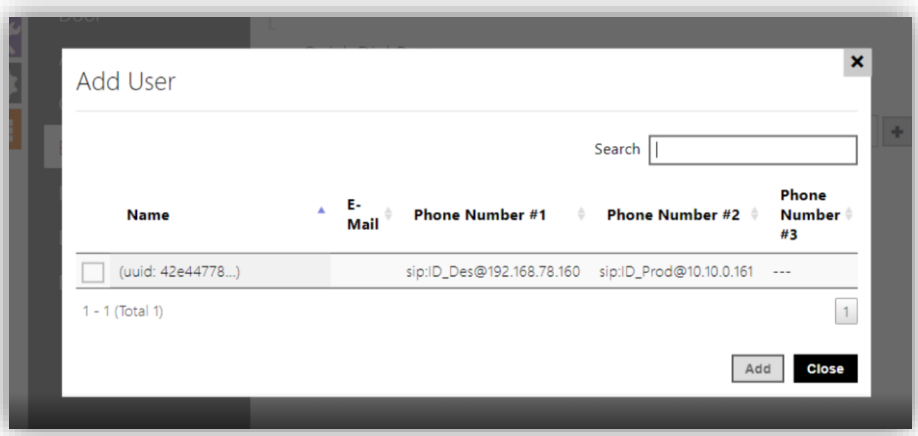


Figure 16. GetFace IP – Buttons. Add User

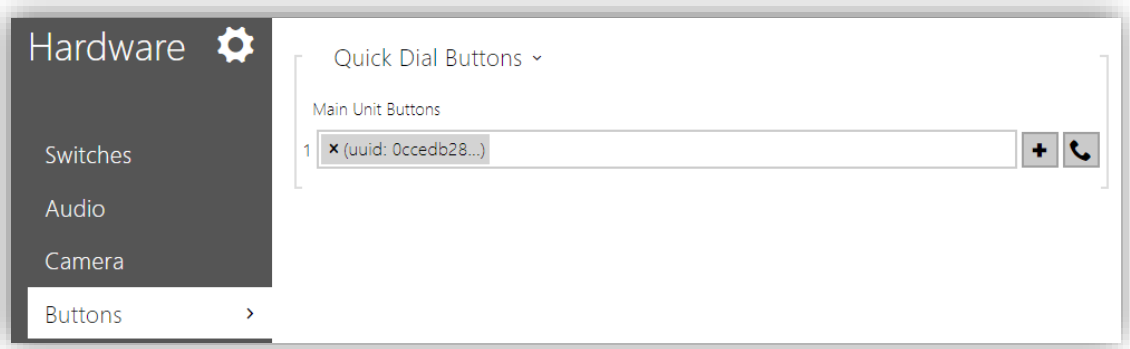


Figure 17. GetFace IP - Buttons

3 ADVANCED CONFIGURATION

This is the minimum necessary configuration in a basic installation with a single indoor unit and a single GetFace IP, however, there are more possibilities such installations whit several devices or control of the locks. In the next section, steps will be taken to configure these aspects.

3.1 SYSTEM WITH MULTIPLE INDOOR UNITS

It is usual to have in an installation with multiple indoor units. In order for all of them to receive calls form the same GetFace IP outdoor unit, certain settings will be necessary.

3.1.1 INDOOR UNIT CONFIGURATION

The configuration of Z41 COM / Z50 / Z70 v2 / Z100 is **the same as indicated in sections 2.1 and 2.2** respectively, assigning a different IP address to each unit. However, enabling certain options and linking certain communication objects to the same group address will be necessary so that the call log data is consistent in all of indoor units:

- **Synchronize with other Devices in the Same Network:** *Enabled* (Only in Z50 / Z70 v2 / Z100).

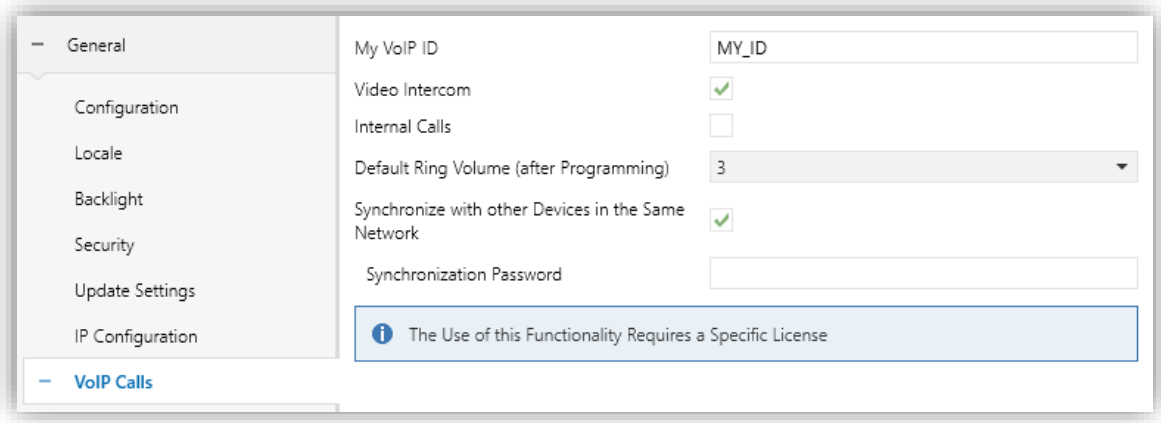


Figure 18. Z50 / Z70 v2 / Z100 - Synchronization

- "**[Video Intercom] Synchronization**" (Only in Z41 COM), enables a notification to be received in all Z41 COM when a call has been accepted or rejected in one of them.

Note: *Synchronization will only occur between several Z41 COM or several Z50 / Z70 v2 / Z100 in the same network, Z41 COM will not synchronize with the other different indoor units.*

- "**[General] Time**"
- "**[General] Date**"

On the other hand, the following objects also must be linked to the same group address to open the door/s from any indoor unit:

- "**[VI n] Switch X**" (if enabled by parameter)
- "**[VI n] Enable Automatic Door Opening**" (if enabled by parameter)

Moreover, it is also recommended to link the following objects to the same group address when a joint control of the indoor unit is required:

- "**[VoIP] "Do Not Disturb" Mode**",
- "**[VoIP] Ringtone Volume**"

3.1.2 GETFACE IP CONFIGURATION

The configuration of GetFace IP is **the same as indicated in section 2.3** but adding the following in the Users section:

1. **Directorio → Users:** add user.

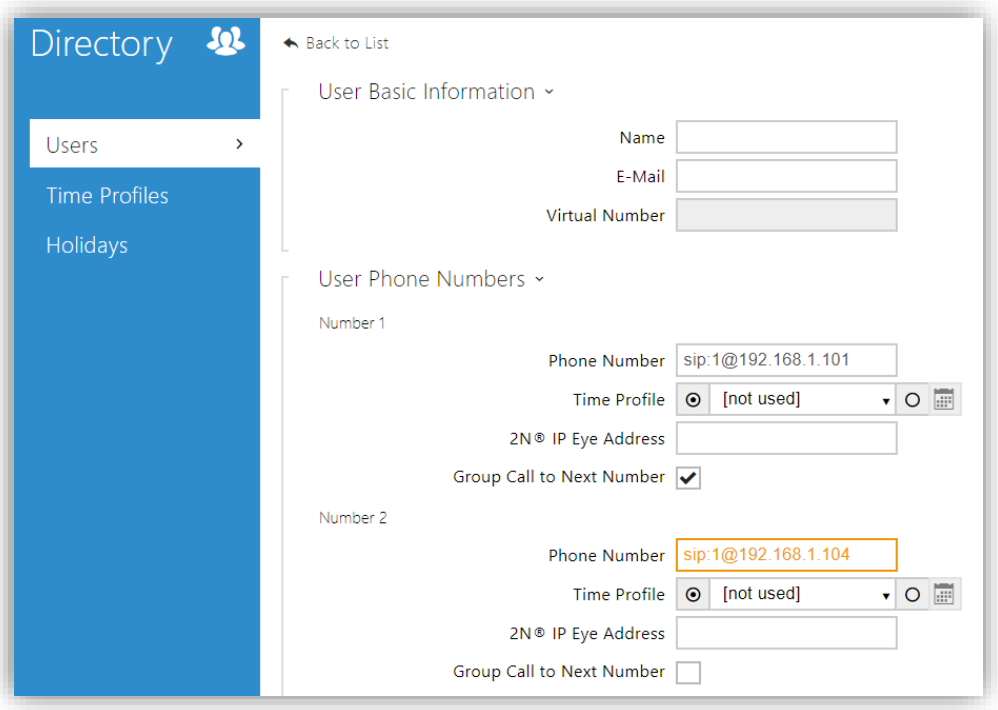


Figure 19 GetFace IP - Add user

Number 1:

1.1. **Phone number:** the format should be *sip:id@[IPaddress]*. The “id” will only be used to identify calls in the event log in the state section. In *IP address*, the IP address of a indoor unit must be indicated. Example: **sip:1@192.168.1.101**.

> ***IMPORTANT:*** *The IP address must be the same configured by parameter in Z41 COM (item 1.1, section 2.1) or Z50 / Z70 v2 / Z100 (item 1.1, section 2.2).*

1.2. **Parallel call to following number**: check to add the IP address of the next indoor unit to call in parallel.

Number 2:

1.3. **Phone number:** same format as indicated in 1.1, but in this case with the IP address of the following indoor unit which must receive parallel calls. Example: **sip:1@192.168.1.104**.

> ***IMPORTANT:*** *The IP address must be the same configured by parameter in the Z41 COM (item 1.1, section 2.1) or Z50 / Z70 v2 / Z100 (item 1.1, section 2.2).*

1.4. **Parallel call to following number**: check to add the IP address of the next indoor unit to call in parallel.

If more than three indoor units are required, they must be configured in another user, for example number 2. Moreover, in the user 1, in **Number 3**, the checkbox **Parallel call to following number** must be checked and in **User Deputy** enter the user configured, for example number 2.

3.2 SYSTEM WITH MULTIPLE GETFACE IP: PHONE NUMBER (ID)

This parameter is used to associate the video intercom configured in the indoor units to **a single GetFace IP**, so the calls are restricted. If the “Id” of the incoming call does not match to any of the video intercoms configured in the indoor unit, the call will not be received. In addition, this is useful to identify the origin of the call when there is more than one external unit.

If multiple GetFace IP are configured with the same ID, calls from all of them will be received in the indoor units with a video intercom configured with that ID as shown in the figure below (in this case, if the video intercom is configured as private, the camera that will be previewed is the one on the video intercom that made the last call).

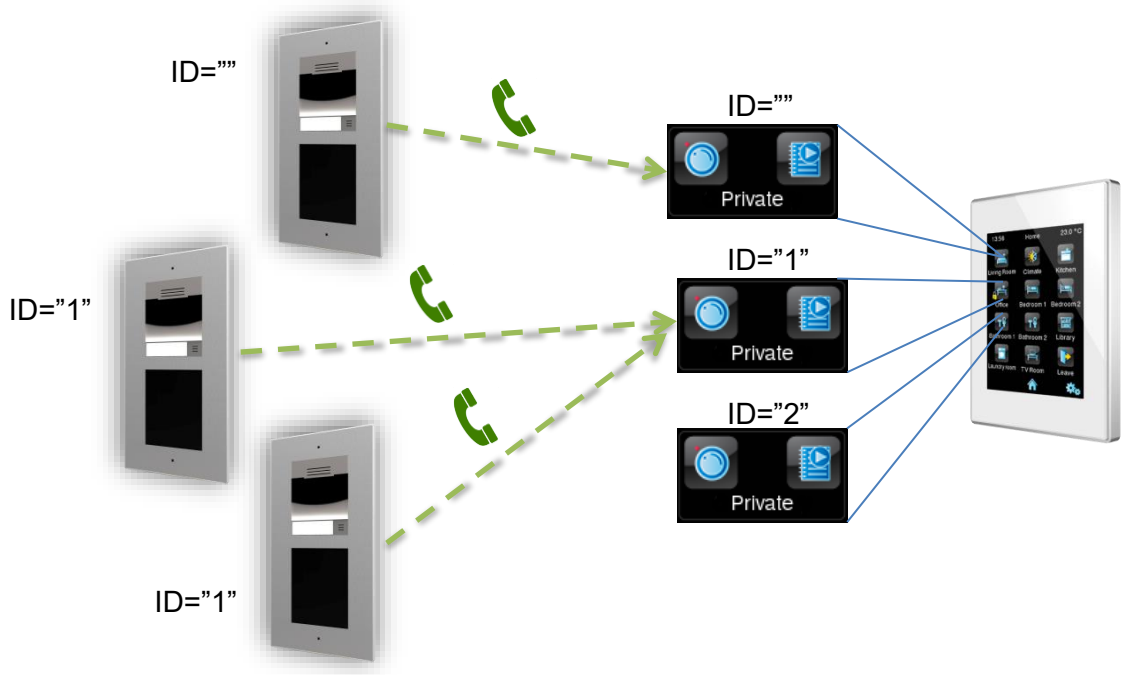


Figure 20 Configuration of multiple boxes with different video intercoms.

3.2.1 Z41 COM CONFIGURATION

The configuration of Z41 COM is **the same as indicated in section 2.1**, but also, it is necessary to configure:

1. In “Outdoor Unit 1”, in the tab “Configuration”:

    1.1. Define ID: ☑ **Enabled**.

1.2. Outdoor Unit ID: enter the desired text, for example **ID_1**

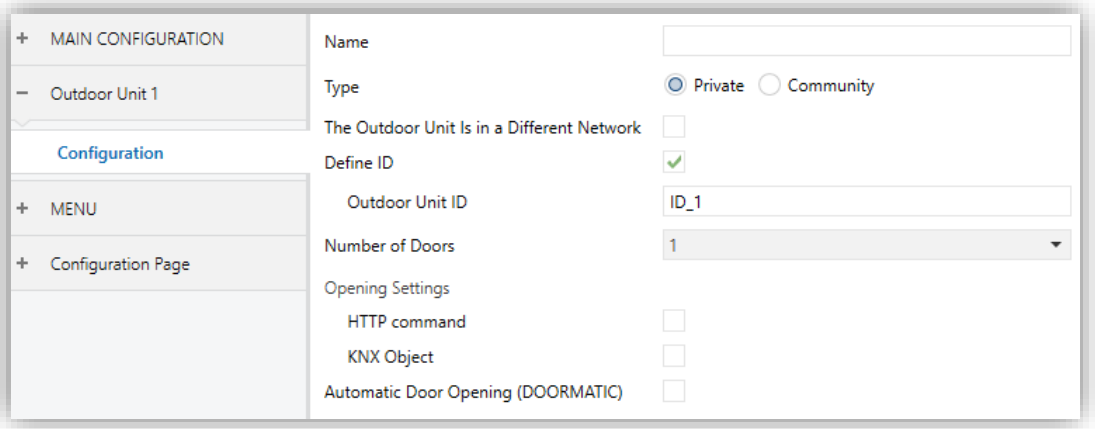


Figure 21 Z41 COM Configuration – Phone Number (ID)

3.2.2 Z50 / Z70 v2 / Z100 CONFIGURATION

The configuration is **the same as indicated in section 2.2**.

3.2.3 GETFACE IP CONFIGURATION

The configuration of GetFace IP is **the same as indicated in section 2.3**, but also, it is necessary to configure:

1. **Services → Phone → SIP 1**

1.1. **Phone Number (ID)**: enter the same ID as in the indoor unit, for example **ID_1.**

> ***IMPORTANT:*** *the ID entered must be the same in Z41 COM (item 1.2, section 3.2.1) or in Z50 / Z70 v2 / Z100 (item 4.3, section 2.2)*

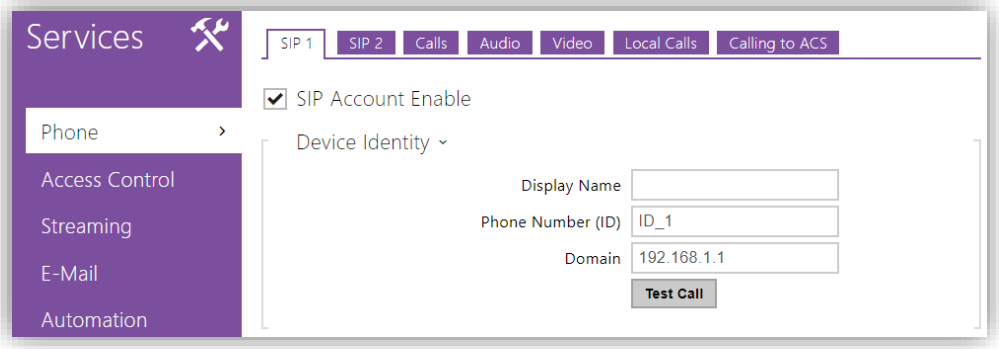


Figure 22 Zennio GetFace – Phone Number

3.3 DOORS

There are many configurations for opening doors, it can be done through a binary KNX, a HTTP command or both.

3.3.1 Z41 COM CONFIGURATION

The configuration of Z41 COM is **the same as indicated in section 2.1**, but also, it is necessary to configure:

1. In “Outdoor Unit 1”, in the tab “Configuration”:

    1.1. **Number of Doors**: up to 3 doors per Video Intercom.

    1.2. **HTTP Command**: the order to open a door will be sent via a HTTP command. This must be the option selected is lock control is performed from GetFace IP. When enabled, the following parameters appear:

        1.2.1. **Secure Opening**: allows setting a **username** and **password** required to send through the HTTP command to open de door in order to increase the security.

    1.3. **KNX Object**: the order to open a door will be sent via a binary communication object. It is possible to choose the **value of the object** that will open the door.

    IMPORTANT: *For safety reasons, it is recommended not to use this communication object or to use it under the responsibility of the integrator.*

    1.4. **Automatic Door Opening (DOORMATIC)**: enables the door/s to be opened automatically when receiving a call.

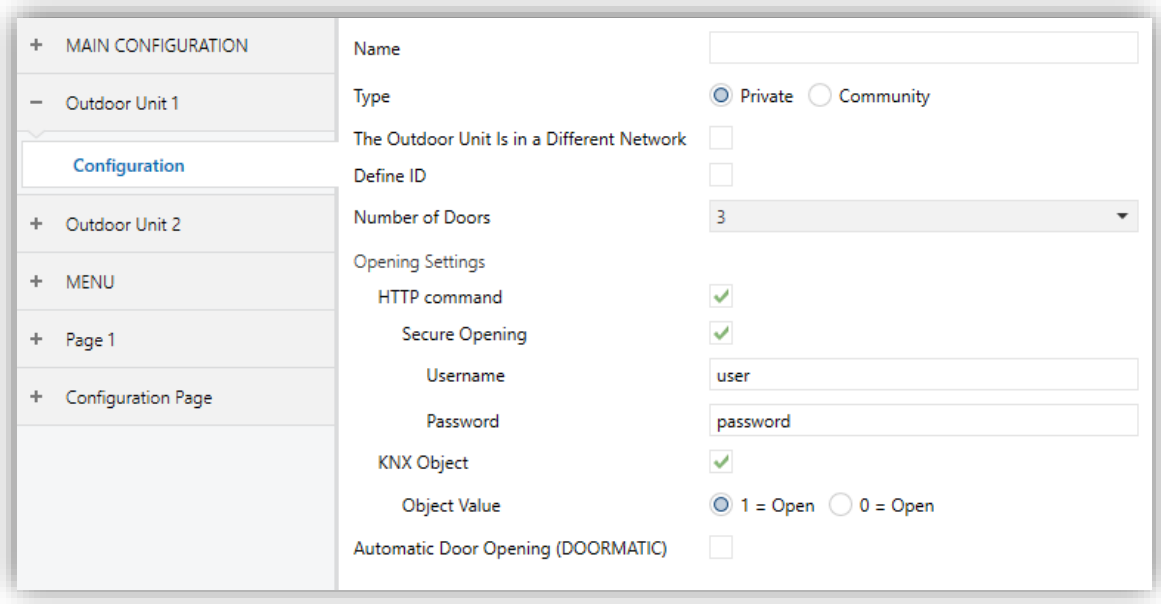


Figure 23 Z41 COM - Doors Configuration

3.3.2 Z50 / Z70 V2 / Z100 CONFIGURATION

The configuration is **the same as indicated in section 2.2**, but also, it is necessary to configure:

1. In “Outdoor Unit 1” / “Generic Outdoor Unit”, in the tab “Configuration”:

    1.1. **HTTP Command Secure Opening**: the order to open a door will be sent via a HTTP command. This must be the option selected is lock control is performed from GetFace IP. When enabled, the following parameters appear:

    1.2. **KNX Object**: the order to open a door will be sent via a binary communication object. It is possible to choose the **value of the object** that will open the door.

    1.3. **Automatic Door Opening (DOORMATIC)**: enables the door/s to be opened automatically when receiving a call.

    1.4. **Enable KNX Objects to Trigger Opening:** executes the opening command through a binary object.

> ***IMPORTANT:*** *For safety reasons, it is recommended not to use this communication object or to use it under the responsibility of the integrator.*

1.5. **Number of Doors**: up to 4 doors per Video Intercom.

1.5.1. **Secure Opening**: allows setting a **username** and **password** required to send through the HTTP command to open de door in order to increase the security.

The opening will be secure if it has been selected generically for all doors.

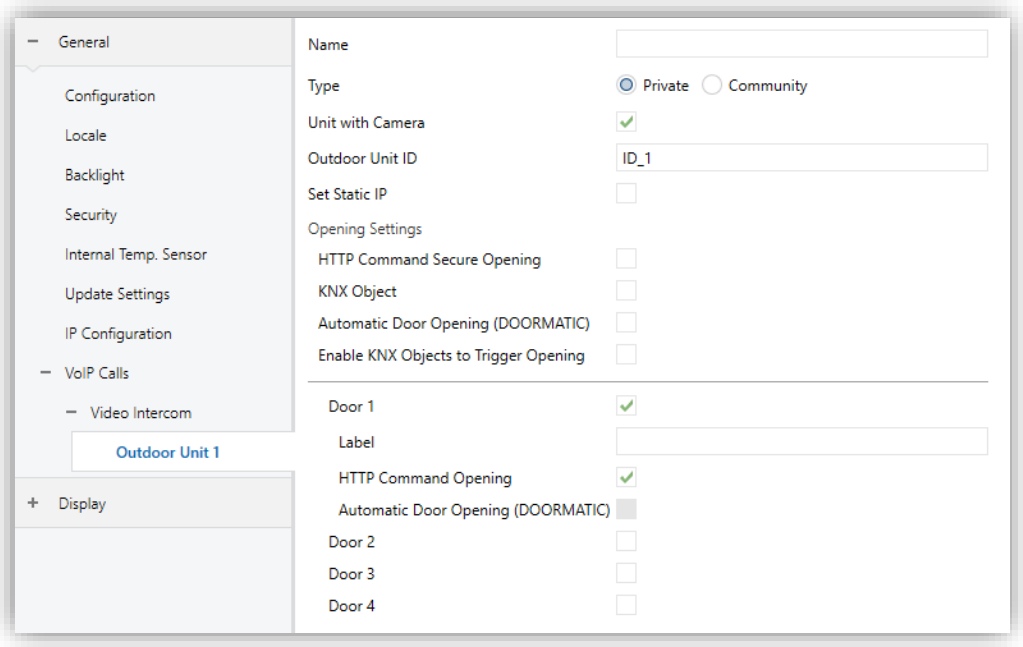


Figure 24 Z50 / Z70 v2 / Z100 - Doors Configuration

3.3.3 GETFACE IP CONFIGURATION

The configuration of GetFace IP is **the same as indicated in section 2.3**, but also, it is necessary to configure:

1. **Services → HTTP API → Account x**

1.1. **Account Enabled**: **Enabled**.

1.1.1. **User Name**: the same as the user name configured in the indoor unit parameters.

1.1.2. **Password**: the same as the password configured in the indoor unit parameters.

IMPORTANT: *it must be the same User Name and Password as the ones entered in Z41 COM (1.2.1 in the section 3.3.1) or in Z50 / Z70 v2 / Z100 (1.1 in the section 3.3.2).*

1.2. **Switch Access – Control**: **Enabled**.

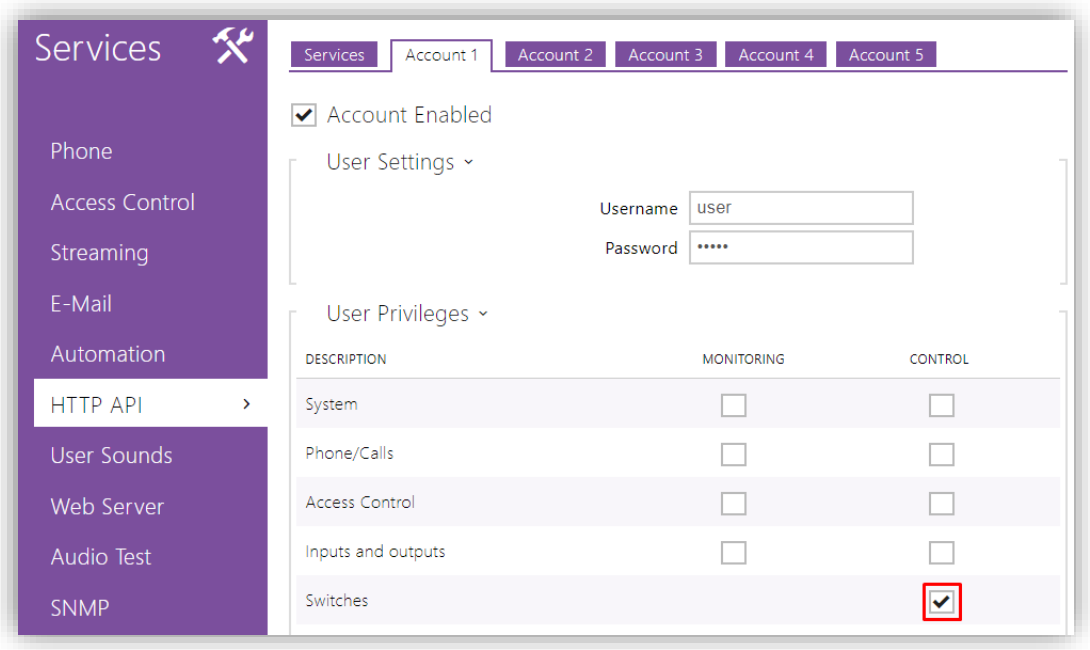


Figure 25 GetFace IP – Account Configuration.

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