WEB CLIENT
6502/G+ IP G+

Password _____   **Login**   G+

QUICK GUIDE

INDEX

1. INTRODUCTION

For the system setup it is not necessary any computer or software, because the manager panel assigns the IP addresses and registers the monitors of the system. In the case an advanced configuration is required, like adding CCTV cameras or SIP devices, it will be necessary the use of the web client. The web client also offers other interesting functions like the export and backup the configuration of the system or even the event logs of the system.

2. ACCESS TO WEB CLIENT

To access the web client we need to connect a computer to the network. We will connect an ethernet cable from computer's LAN output to IN connector of D4L-G+/POE switch unit. D4L-G+/POE should have the jumper set in local power, so it will just send data to our computer.
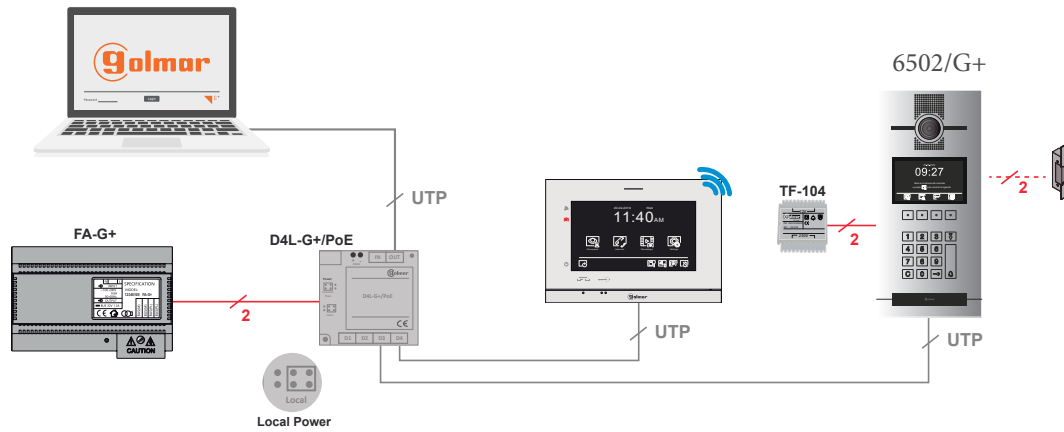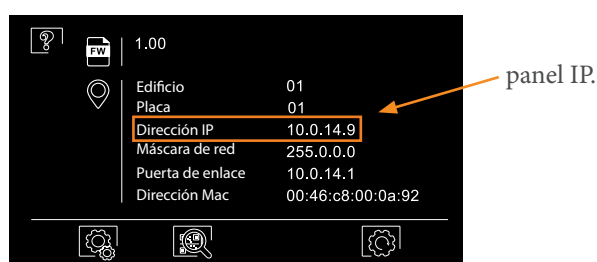

In installations where POE switches are used (for example to connect CCTV cameras), it would be also possible to use the UPLINK connector of those switches to connect the computer.
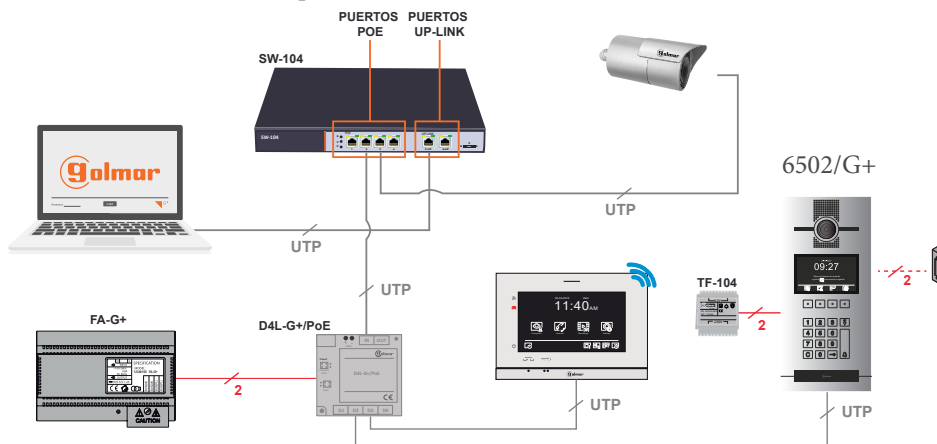
Once the computer is connected to the system, we should get connected with the IP address of the panel using a web-browser (Chrome, Edge…). In case we are connecting to the manager panel and we have selected the automatic IP, the IP address of the manager panel would be 10.0.14.9. If the panel has not been configurated, its factory IP address will be 10.0.0.254. It is possible to test the communication with that IP address in the following way:

1

Access to configuration.

2

Type the installer PIN **2718** with the keypad and validate it.

3

Press the right arrow to go to settings menu 3/3.

4

Press the fourth option button.

	FW	1.00
	Edificio	01
	Placa	01
	Dirección IP	10.0.14.9
	Máscara de red	255.0.0.0
	Puerta de enlace	10.0.14.1
	Dirección Mac	00:46:c8:00:0a:92

panel IP.

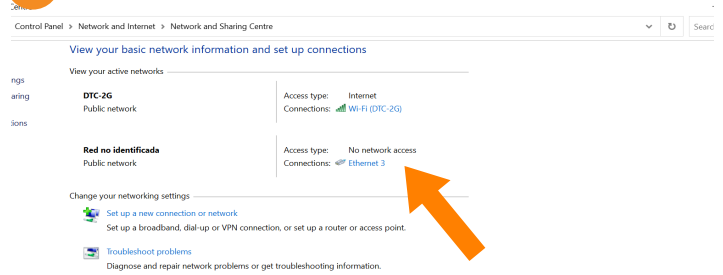Before typing the IP address of the manager panel in the web-browser, we should ensure that our computer IP range is the same as the manager panel. To do that we will follow those steps:

1 Go to network settings in control panel.
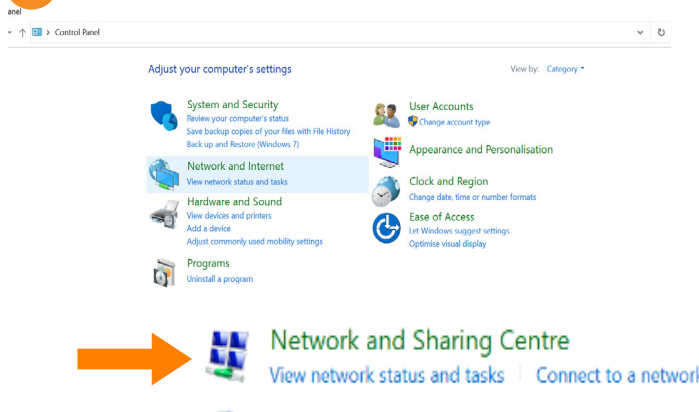
2 Change the active Ethernet network.

3 Enter into "properties".
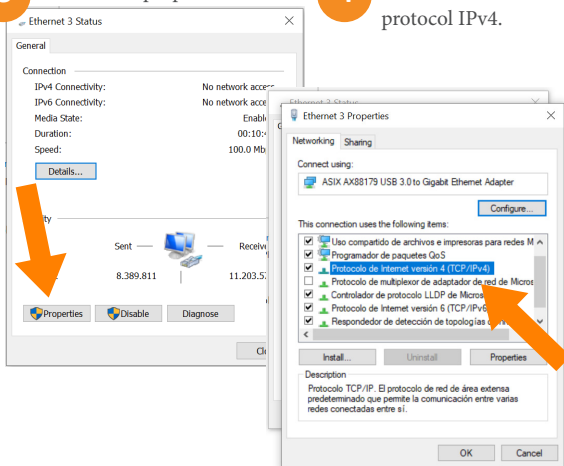
4 Select Internet protocol IPv4.

5 Set the IP range.
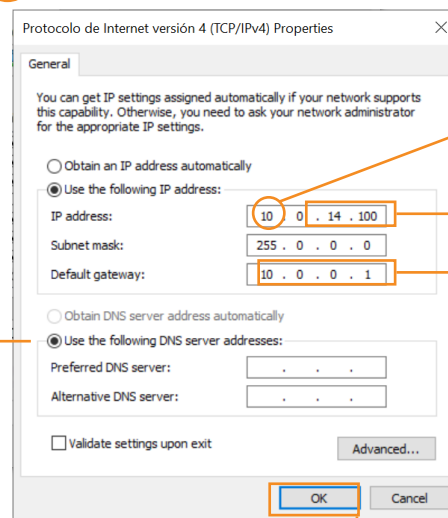
IP address should start by 10.

Next three numbers should have a value lower than 255.

Assign 10.0.0.1 as Gateway.

Do not assign DNS (blank fields).

Confirm settings.

From that instant, the computer is set to work in the same range than the manager panel, being possible to communicate between them. Now next steps are:

Type in the browser the IP address:

Log-in into the web client:

The password to access is 888999.

3. WEB CLIENT

It follows the different sections of the web-client description:

3.1. Settings

In the settings page, it is possible to modify the door panel configuration. We also are allowed to change the panel IP address and set a new one different than the one assigned by the system.

Dialing code length: 5 or 6 depending on if difference by floor number.
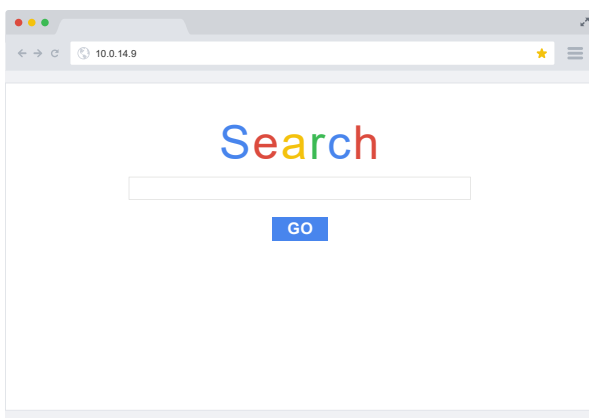
Floor level where the panel is located (1-96)
(This function requires a Lift control unit LCU-16/G+).

Enable/disable villa mode (**)

Time and date adjustment.

DOOR PANEL

Dialing code length	5	**Network**
Block number	1	Automatic settings ☐
Door panel number	1	Local IP 10.0.14.9
Floor number	1	Subnet mask 255.0.0.0
Villa mode ☐		Gateway 10.0.0.1
Time	23:59	Server IP 10.0.14.9
Date	DD/MM/YY	DNS 192.168.255.255

Settings
SIP servers
Device
Reader
Event log
About

Apply　　**Next**

Manually IP address entering. Remember that Server IP address is the manager panel IP address.

Go to the next screen.

Illumination leds mode
0 = OFF / 1 = ON / 2 = Automatics

Keep TFT always on. (*)

Prompt messages mode
0 = OFF / 1-8 = Different languages

Speaker volume adjustment (1-10).

Enable/disable the tamper alarm.

Go to the previous screen.

DOOR PANEL

Illumination leds*	2	Lock 1
TFT always ON ☐		Unlock time 3
Prompt messages**	0	Exit button unlock mode *** 0
Speaker level	02	Exit button delay time 0
Tamper enabled ☐		
* Illumination modes		Lock 2
0 OFF - 1 ON - 2 Auto		Unlock time 3
** Prompt mods		access control
0 OFF - 1 ON - 2 Ring tone		Unlock with access code ☐
*** Unlock modes		Access code 1
0 Normally Open - 1 Normally Closed		Access code 2

Settings
SIP servers
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About

Previous　　**Apply**

Door open time (1-15s).

Exit button operation mode
0=Normally open / 1= normally closed.

Exit button delay time.

Enable / disable the door. opening through PIN code. Set access codes.

Log out from Web-Client

Save applied changes.

(*) The TFT refers to the panel screen. When panel is on Idle it will appear the "Press any key to start" message on the screen.

Villa mode

With **villa mode** enabled, pressing the bell button on the door panel, we call directly to the apartment number 1 of the block number 1. The access control is also enabled.

3.2. Calls via SIP protocol

The system allows VoIP telephone calls via SIP protocol.. There are two ways to do it, adding the VoIP telephone directly to our system, or using a PABX telephone switchboard that act of liaison between the telephones and the system through extensions that we will assign to the different devices of the system.

Below, the two ways to do calls through SIP protocol are described:

3.2.1. Add SIP device

In this section it is explained how to add a SIP device. In particular it is explained how to add a SIP VoIP phone. In this case the calling process will be direct. That is to say, the system is knowledgeable of the VoIP telephone IP address and not of an extension that has to ask the telephone switchboard, as in the case described above.

Steps to follow:

1 - Connect the device to the network. :
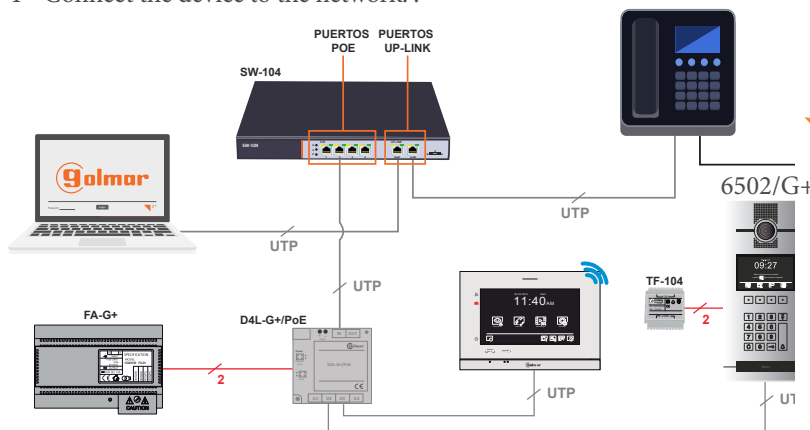
The VoIP phone used in the example is powered with a 5Vcc power supply.
It has been used an UP-LINK port fo the data transmission and the power is supplied locally.

2 - Set the SIP VoIP phone IP address:

It is necessary to setup the phone IP address. Normally it is possible in major of VoIP phones to get the IP address navigating through the screen menu of the phone. If it is not possible and nothing is mentioned in its manual, then you can get it by using a software like "IP Search Tool" as described above in the case of the IP cameras.
If the IP address of the VoIP phone is not set in the same IP range as the system, it needs to be changed. You should follow the process described by the manufacturer of the VoIP phone.
In this guide it has been used a Grandstream GXP1610. The following describes how to modify its IP address:
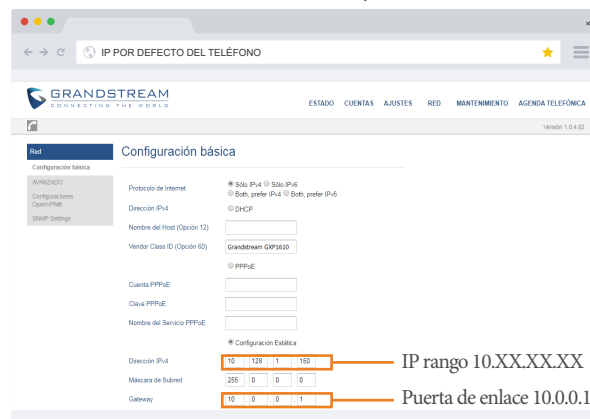
3 - Modify the IP address
Type-in the current IP address of the VoIP phone in the web-browser:

Access to the menu section of network and modify the IP address and the Gateway:
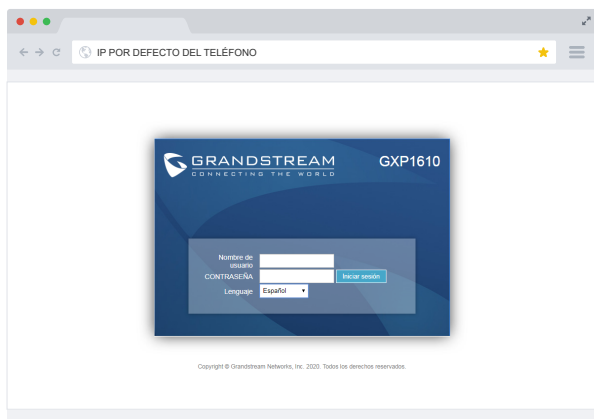
Log-in using the default credentials given by the manufacturer.

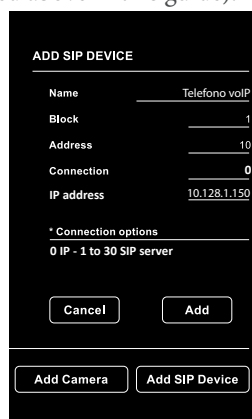IP rango 10.XX.XX.XX
Puerta de enlace 10.0.0.1

Save and apply the changes and reboot the phone.

4 - Add a VoIP telephone to the system.
Access to "devices" page at the manager panel (described above in this guide):
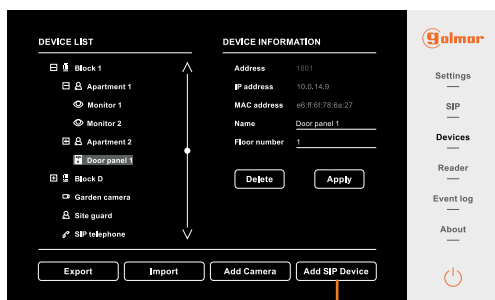
Select "Add SIP device"

Name which will identify the device in the system.
Block where the device will be located.
Calling address assigned to this device.
This address cannot be an address being already used to call any other device.

Connection .0 – call by IP address.
Device IP address.
Add a SIP device.

At this moment, the device is already registered and appears in the devices list of the block 1.
When making a call to address 10, a communication with this device will be established. Once in communication, we will be able to open the two door relays dialling the codes #1 and #2 respectively from the phone.

3.2.2. SIP Servers

In the "SIP servers" section we will be able to add our device to a PABX telephone switchboard in order to receive calls by extension through this switchboard. The steps to follow to add our device to a switchboard are shown below:

1

We will connect our PABX telephone switchboard to our network through its LAN output. In this way, we will be able to log on to its webserver and set the IP range of its WAN output, which is where we will later connect it to our system for operation. In our web browser we will enter the switchboard LAN IP address.
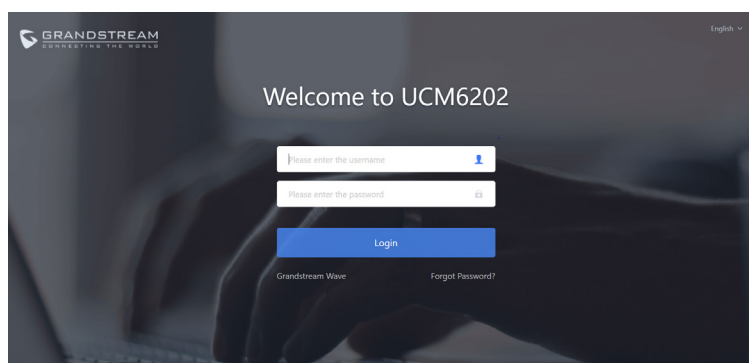

We will be asked to log in. The user name, which is usually "admin" and the password, will appear on the back of the switchboard.

In this example we will use the UCM6202 switchboard. Other switchboards may differ in terms of their programming. Consult your switchboard manual.

2

Once we logged in to the switchboard webserver, we will expand the "System Settings" and we will access to the "Network Settings". In the WAN section we will set an IP address that is in the range IP of our system. We will also have to enter the corresponding Subnet mask and the Gateway address.
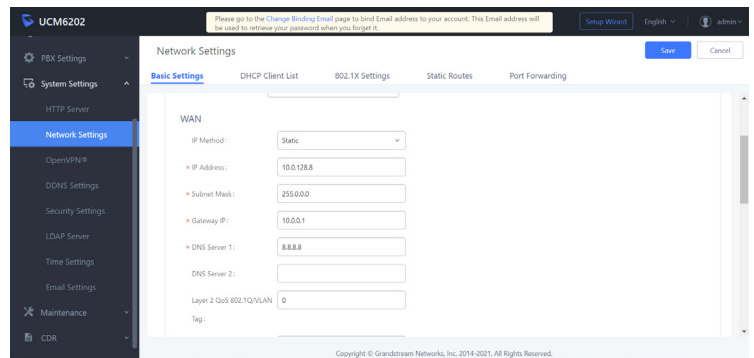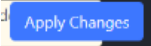

3

Having already configured the WAN network to operate in the same IP range of our system. The followung step will be to create an extension in the switchboard for our device. For this, we expand the section "Extension/Trunk" and access to "Extensions".

On this screen will appear all the created extensions in our switchboard.
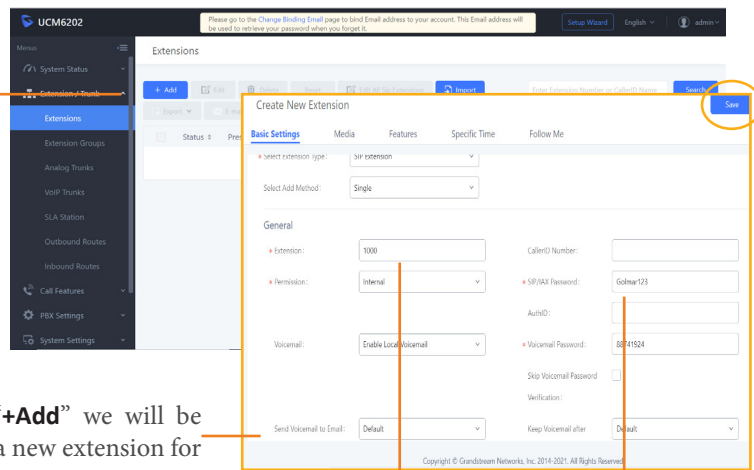
Clicking on "**+Add**" we will be able to create a new extension for our device..

We will add the wished **extension** and a **password**.
To confirm the new created extension, we will click on "Save".
NOTE: Remember the password, you will need it later..

Once we have added the extension, it will be necessary to save applied changes. On the top of the screen will appear the apply changes icon ▣ Apply Changes . Click on it and the new extension will be saved.
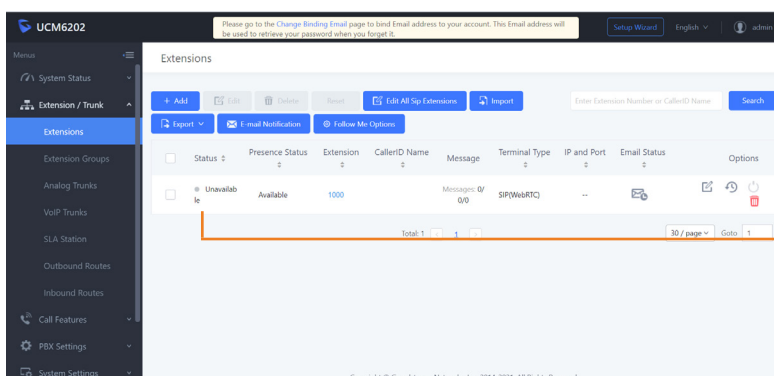
Having implemented the made changes, the screen will show us that there is a created extension in the switchboard, but it si not assigned to any device.

IMPORTANT: Connect the PABX to our network through the WAN output of the PABX.

To assign the previously created extension to our device, a door panel in this case, we will log on to the web client and we will access to the "SIP servers" section. The following screen will appear:

4

We see, on the left-hand of the screen, a list of up to 30 SIP servers, which should appear empty as we have not yet added the door panel to any PABX.

By selecting one of the numbers in the list, you will see some field to fill in and the option to enable and disable the SIP server.

- **Name:** Name we will assign to the SIP server.
- **IP Address:** WAN IP address we have configurated.
- **Port:** 5060. This port is usually the default port on most switchboards.
- **User:** Created extension number.
- **Password:** On the PABX webserver.
- **Transmisssion mode:** 0 UDP. TCP mode not implemented in this version.

Once we have filled in all the fields, we click on "Apply" to save the created server. If it is correct, the "Settings applied" message will appear. If any of the parameters were incorrect or if the connection to the control panel cannot be established, an errror message "Login fail" will appear.

To check that all the steps have been done correctly, we can log on to the PABX webserver and see the state of the extension previously created.
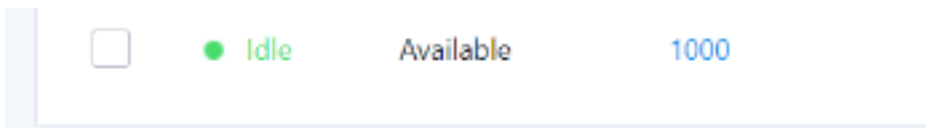
We see that the extension status has changed from "Unavailable" to "Available" and has turned green.

FOnly will left to add the VoIP telephone to the system having previosuly created an extension on the switchboard. For this, we will follow the steps described before, but when we access to the "Add SIP device" section, we will fill in the fields in this way:

Number in the SIP server list of the SIP server of the switchboard.

Created extension on the switchboard for the telephone.

3.3. Devices

In the devices page, you will find a list of the existing devices in the installation (those which have been registered). For each device it is possible to adjust some settings as well as to get its IP address:

At the bottom part, you will find the EXPORT button, to export the configuration in the case that in the future a panel need to be replaced you will be able to import the system information by uploading the .db file generated with the IMPORT button.

From the devices page it is possible to add ONVIF cameras, as well as SIP phones. It follows how to add those devices.
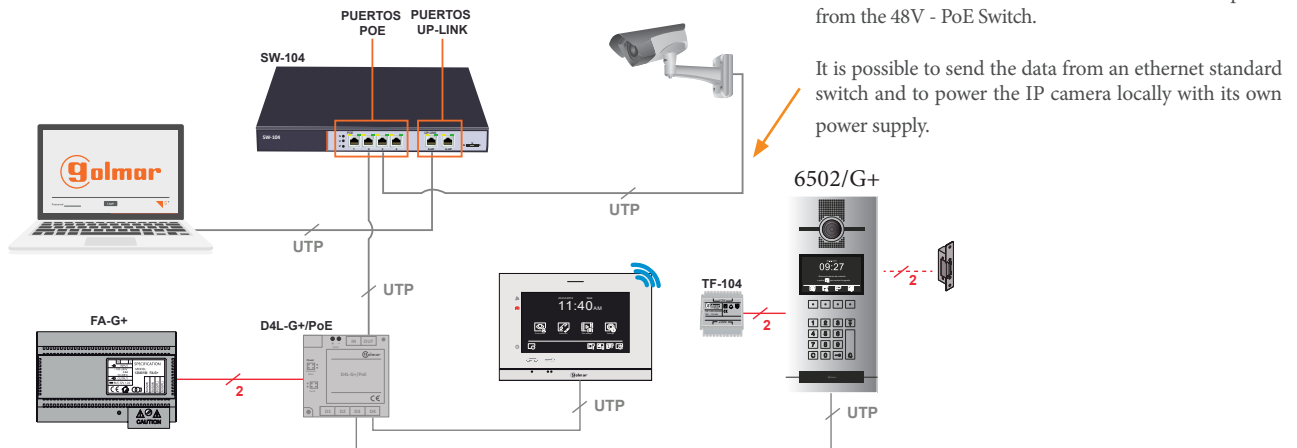
Add Camera

The system allows to add **Golmar cameras** with the following specifications:

- ONVIF communication protocol.
- Video codec **H.264**, "baseline" mode.

(*) Golmar does not assure the compatibility with cameras from other manufacturers.

Steps to follow:

1 - Connect the camera to the system:

In this schema the IP camera receives data and power from the 48V - PoE Switch.

It is possible to send the data from an ethernet standard switch and to power the IP camera locally with its own power supply.

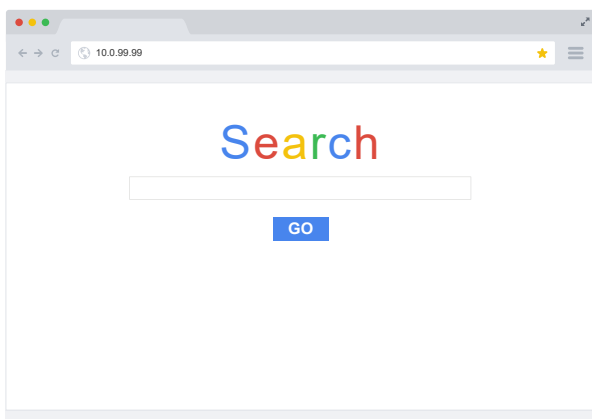2 - How to get the camera IP address:

You can normally find the default IP address assigned to the IP camera on its manual. In case it is not specified you can search and find the IP address using a software like "IP Search Tool":
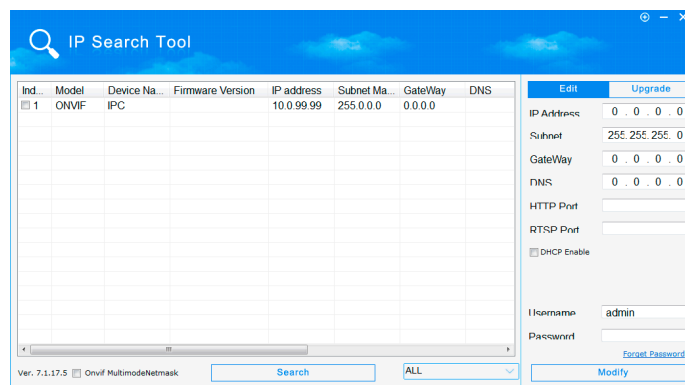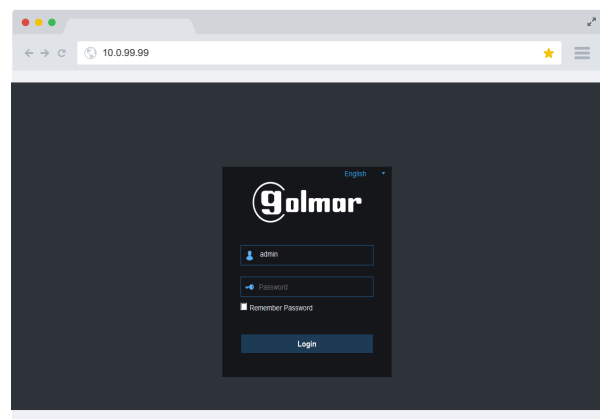

3 - Accessing the setup page of the camera:

Once the IP address of the IP Camera is known and the computer is in the same IP range to be able to communicate with the camera, we can access the web client of the camera by typing its IP address in a web-browser. This is a similar process as described at the beginning of this guide related to the panel, but now it will be with the camera.

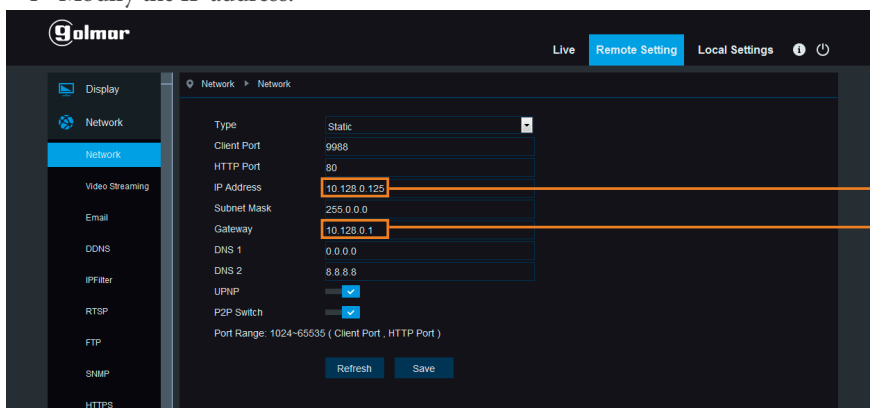Type-in the camera IP address in the web-browser:

(*) If the camera used is a Golmar camera, use the Internet Explorer web-browser.

Log-in into the camera web client:

The default username and password are User: **admin**, Password: **admin**

(*) Check which are the login details of your camera.

4 - Modify the IP address:

The IP address of the camera should be modified with a value between 10.128.XX.XX to 10.254.XX.XX

The Gateway address should be 10.128.0.1

If the IP configuration of the system is automatic, use this recommended parameters. If the IP of the cameras are given in another range, you can set the IP of the system in manual mode.

5 - Set the following substream configuration:
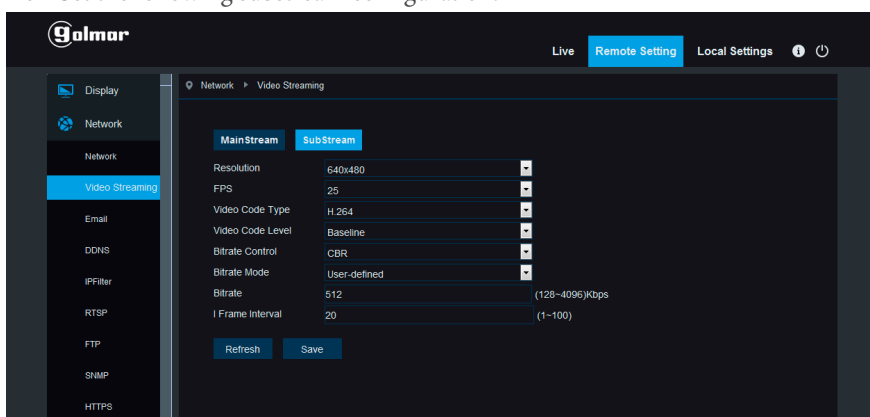
Configuración	Selección a marcar
Resolution	640 x 480 (máx.)
FPS	25
Compresion	H.264
Type of codification	Baseline
Bit rate type	CBR
Bit rate	512
I frame interval	20ms

NOTE: It is possible that the web-browser requests to install plugins, accept and install them. Then reload the browser. If you change the login details, you should keep those safe as they are necessary to register the camera into the system.

6 - Add and register the camera into the system:
Access to the page "devices" at the manager panel (described above):

Name which will identify this camera.
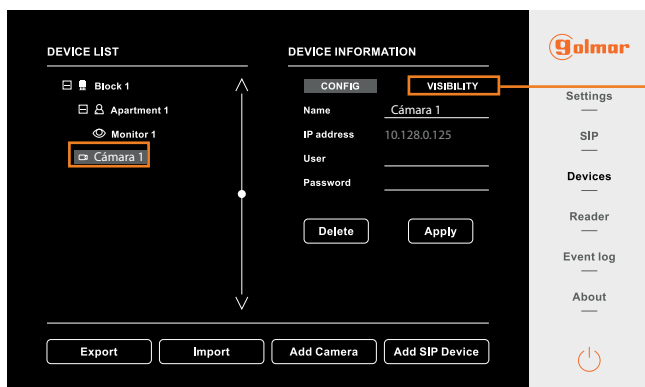
Camera IP address.

Camera registration credentials.
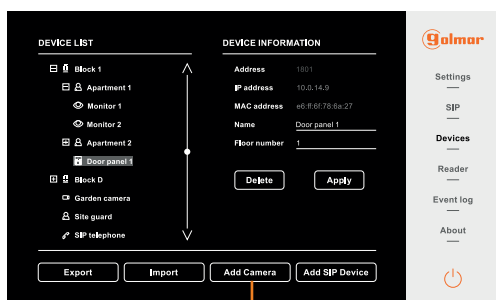
Register by pressing "Add camera"

At this moment, the camera is already registered and will appear in the devices list:

It is possible to select which devices should have permission to preview each camera.
To do that, select the visibility box and select those devices from the pop-up list which you interest.

3.4. Proximity reader

In case to have some access cards registered into the panel (read the Quick Guide for 6502/G+) it is warmly recommended to make a security copy by using the option export.
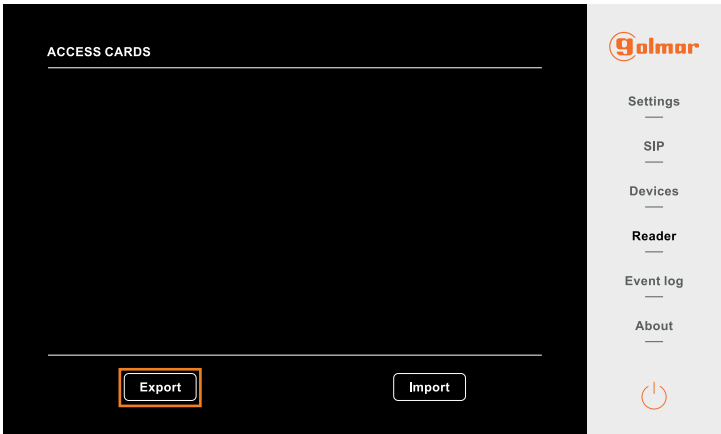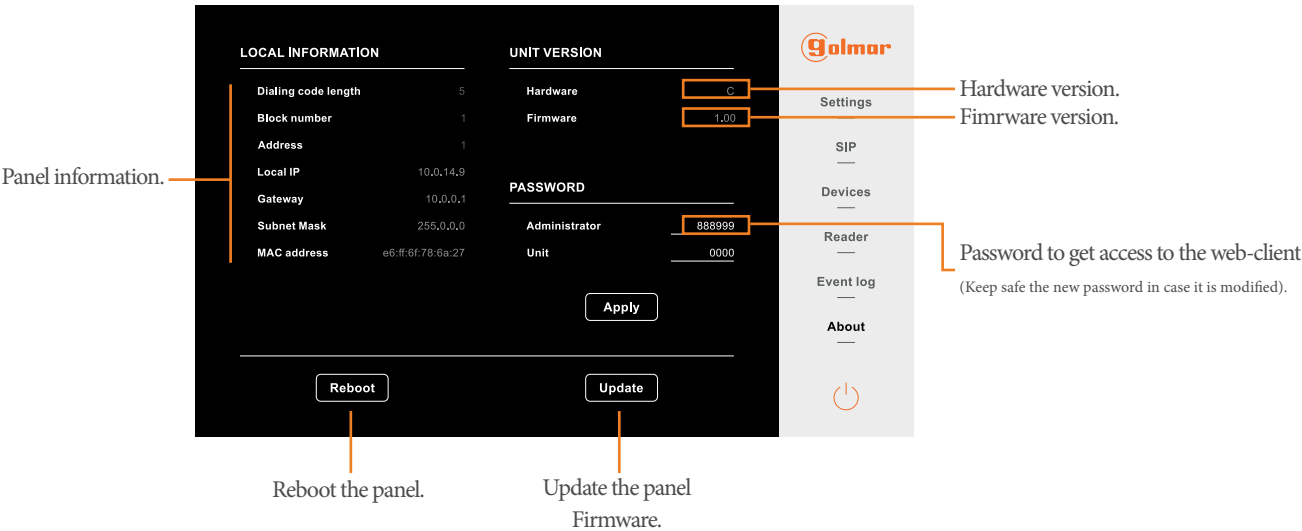

3.5. Event log

It is possible to list the different actions and events which took place in the system. It is possible to export into a CSV file those events by using the option "Export".

3.6. About

In the about page it is possible to find some relevant information about the panel, change the Web-client password and update the device Firmware.

Panel information.

Hardware version.
Fimrware version.

Password to get access to the web-client
(Keep safe the new password in case it is modified).

Reboot the panel.   Update the panel Firmware.

iPG +

golmar
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