



WEB CLIENT

EL632/G+/48 ^{IP G+}

A screenshot of the web client login interface. It features the 'Golmar' logo in orange, a password input field with the label 'Password', a 'Login' button, and a small 'G+' logo in the bottom right corner.

Golmar

Password

Login

G+

QUICK GUIDE



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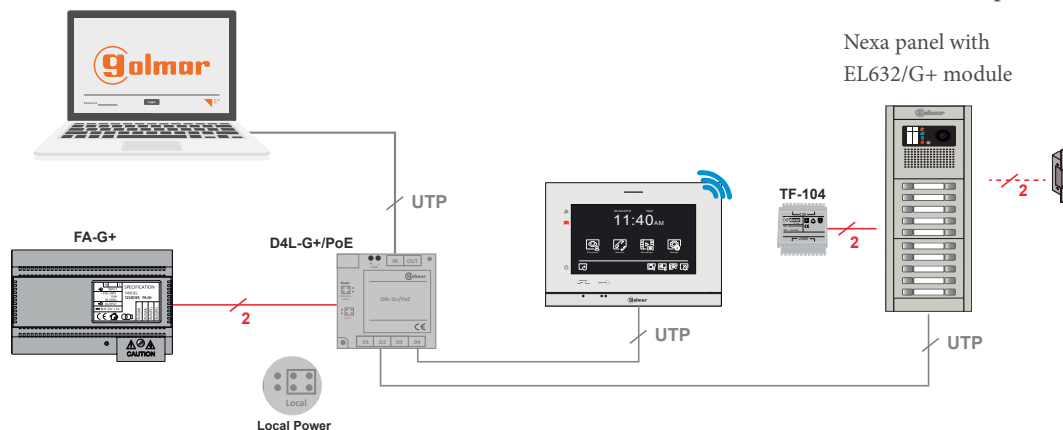
1. BEFORE STARTING

For the system configuration is not necessary any computer or software, as the management panel assigns an IP address and registers the monitors in the system. In case of advanced configurations, such as the SIP devices inclusion or additional cameras, the use of the web client will be necessary. In turn, as we will see in this guide, it also offers us other functions of interest, such as the export of system configuration or the log events of the system.

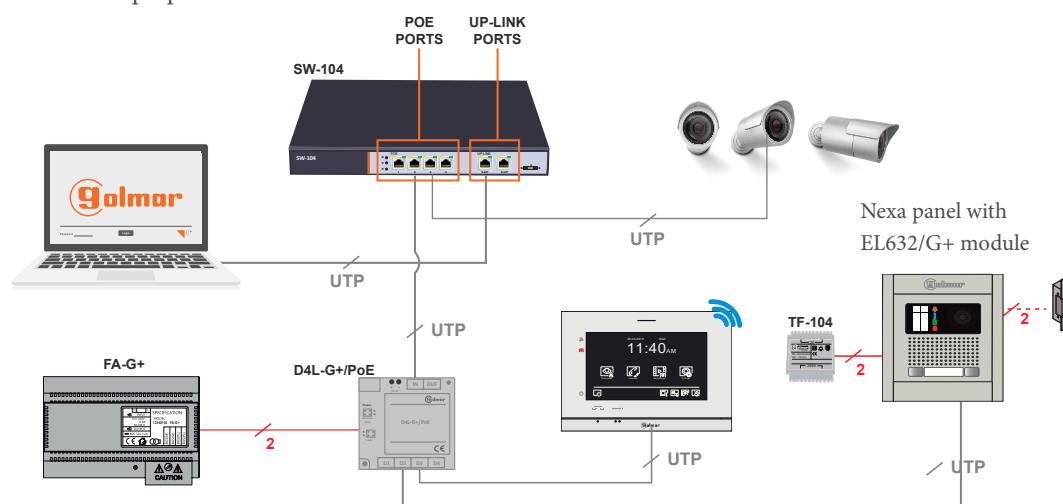
2. ACCESS THE WEB CLIENT

To access the web client we will need to connect a computer to the installation.

For this, we will connect an ethernet wire from the IN of a D4L-G+/POE switch of our installation to the computer.



In installations where POE switches are used, for example to power CCTV cameras, it will be possible make use of an UP-LINK port of this one to connect the laptop.



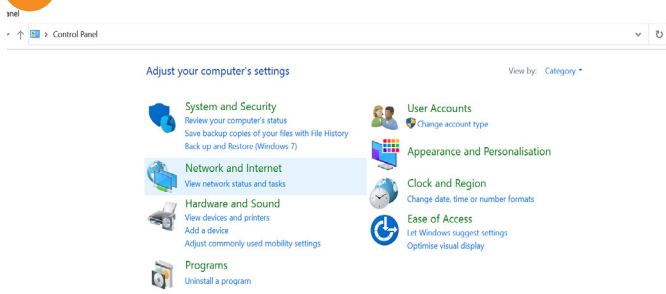
Once the laptop is connected, we must connect to the IP address of the management panel through a web browser (Chrome, Explorer...).

In case that we are connecting to the management panel and we have selected the automatic IP address, the assigned IP address will be 10.0.14.9. If the panel has not been previously configured, its factory IP address will be 10.0.0.254. In case of not knowing the management panel IP address having assigned it manually, you can see it accessing to the “About” section of any monitor of the installation. Other option is to search all the IP addresses in the system through the “Device Manager” software.

NOTE. To know how access to the “About” section of a monitor, see the ART 7/G+ user manual that you will find in the downloads section of the product’s website.

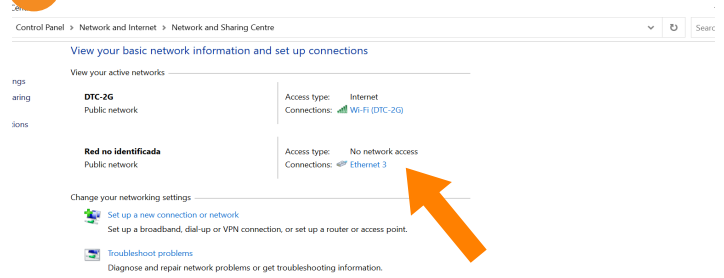
Before typing the management panel IP address in the web browser, we must make sure that the network connection of the computer is on the same IP range. For this we will follow the next steps:

1 Go to network settings in control panel.

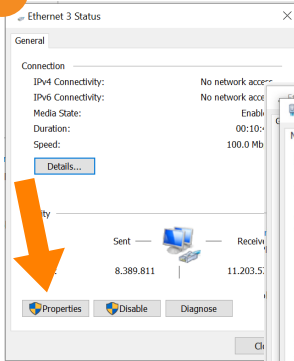


→ **Network and Sharing Centre**
View network status and tasks | Connect to a network

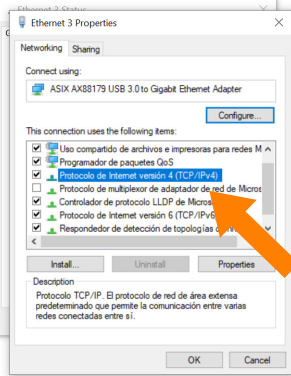
2 Change the active Ethernet network.



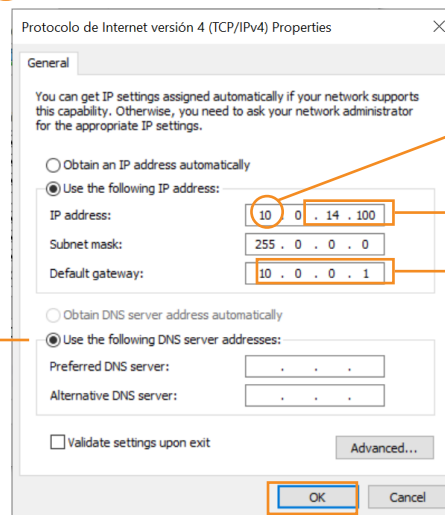
3 Enter into "properties".



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.

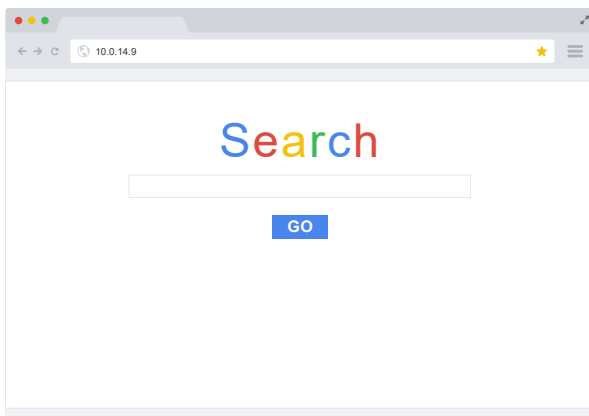
Assign 10.0.0.1 as Gateway.

Do not assign DNS (blank fields).

Confirm settings.

In this moment the computer is configured to work in the same IP range as the management panel. Only will left:

Type the IP address in the web browser:



Access the Web Client:



The password to access is 888999.

3. CLIENTE WEB

Below, the different sections of the web client are described:

3.1. Settings

From the first settings screen we can modify the entry panel configuration. It also allows to change the panel IP address and set a different one that the system automatically assigns.

(*) When you do a preview of the entry panel, the displayed image will be from the associated camera.

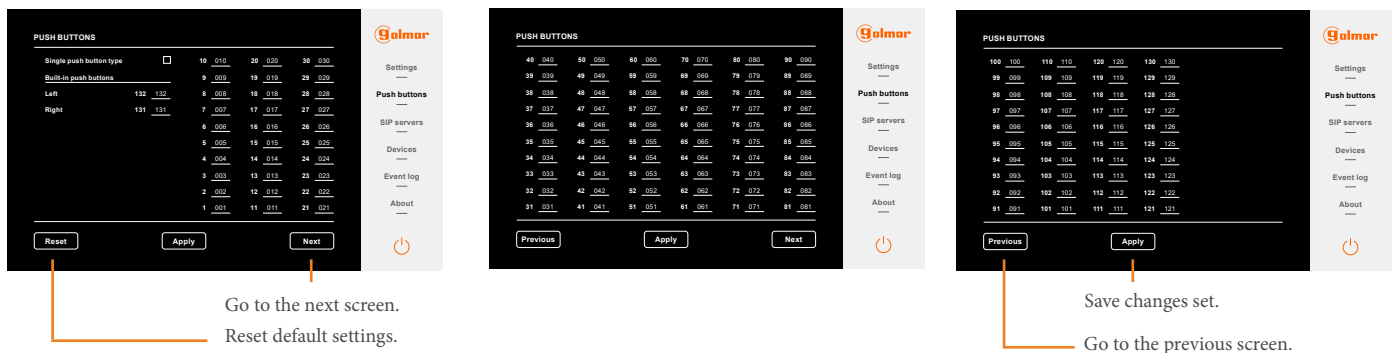
3.2. Push buttons

In the push buttons section we will be able to set the address to which we will call when we press one push button or other. We will also be able to select if it is a single push button module panel or double push button module panel.

- Single push buttons module panel:

To modify the call addresses of every push button, we must press on the push button number and set the desired call address.

- Double push buttons module panel:



To modify the call addresses, we will assign the desired call address to every push button number in the same way as single push buttons module panel.

3.3. Calls via SIP protocol

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

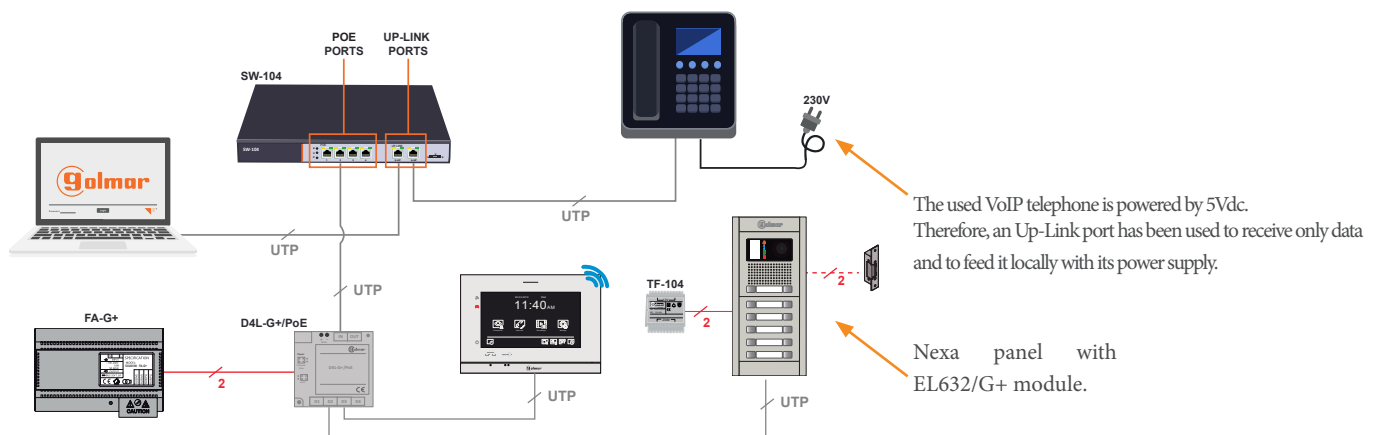
The following describes the two ways to make calls using the SIP protocol:

3.3.1. Add SIP device

In this section will show how to include a VoIP telephone with SIP protocol. In this case the call process is done directly. That is to say, the system knows the VoIP telephone IP address and not an extension that it must ask to the switchboard.

Steps to follow:

1 - Connect the device to the system:



2 - SIP device IP address:

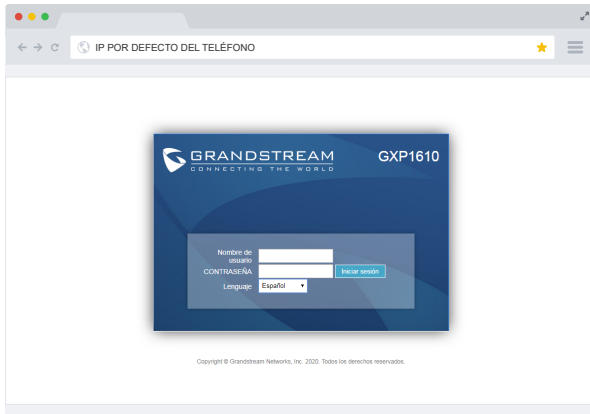
It will be necessary to know the device IP address. Generally, VoIP telephones allow to show it on the telephone's own display. If not, it is possible to use programmes such as the one mentioned above "IP search Tool".

If the device IP address is not in the same range as the system, it will be necessary to change it for one that is 10.XX.XX.XX. (remember that the PC must be in the same range). See the process of modifying the phone manufacturer's IP address.

In this guide has been used the Grandstream GXP1610 model. The following describes how to modify its IP address:

3 - Modify the IP address:

Type the current IP address of the telephone in the web browser:



Access with the manufacturer credentials.

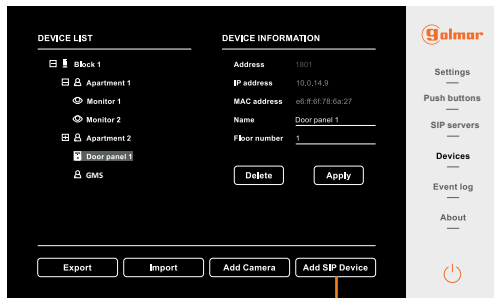
Access to the network section and modify the IP and the Gateway.



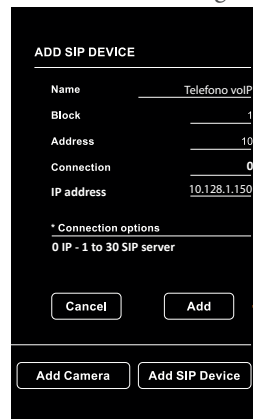
Save the changes and reboot the telephone.

4 - Add the telephone to the system:

Access to "devices" section of the management panel (described above in this guide):



Press on
"add SIP device".



Name to identify the device.
Block associated with the device.
Address call assigned to the device.
Conexión "0" by IP address.
Device IP address.

Add.

In this moment the telephone is added and it appears in the devices list, in this example belongs to the block 1.

In case of a call to the address 10 we would establish communication. We will be able to open the relays 1 and 2 through #1 and #2 respectively during communication.

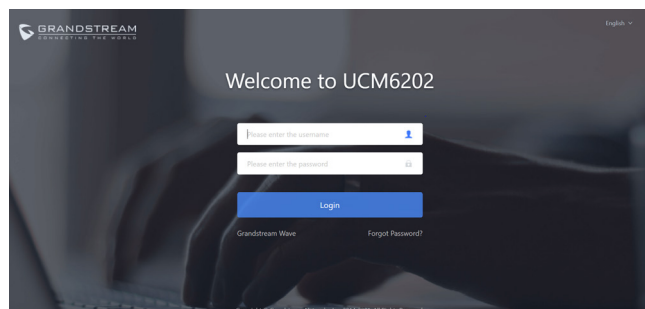
3.3.2. SIP servers

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

1

We will connect the PABX telephone switchboard to our network through the LAN output of the switchboard. In this way, we will be able to access its web client and set an IP range of the WAN output of the switchboard, which is where we will connect it to our system for its operation.

In our web browser we will type the IP address of the LAN network of the switchboard.



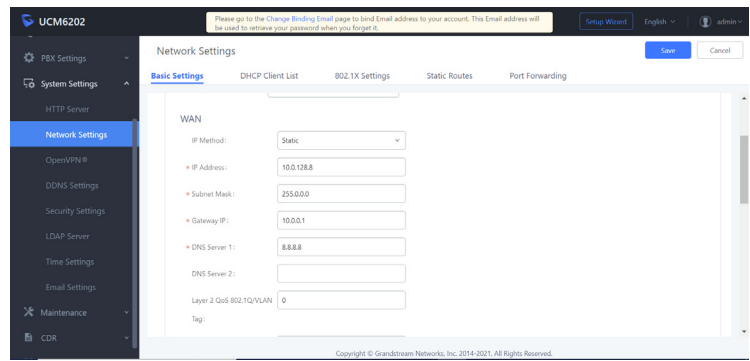
Will ask us for our credentials in order to access. In the back of the PABX appears the user, that usually is "admin" and the password.

In this example we will use the UCM6202 PABX. Other switchboards can differ in terms of its programming. See the manual of your switchboard.

2

Once we have accessed the switchboard web server, we deploy the system settings pressing on “System Settings” and we will access to the “Network Settings”.

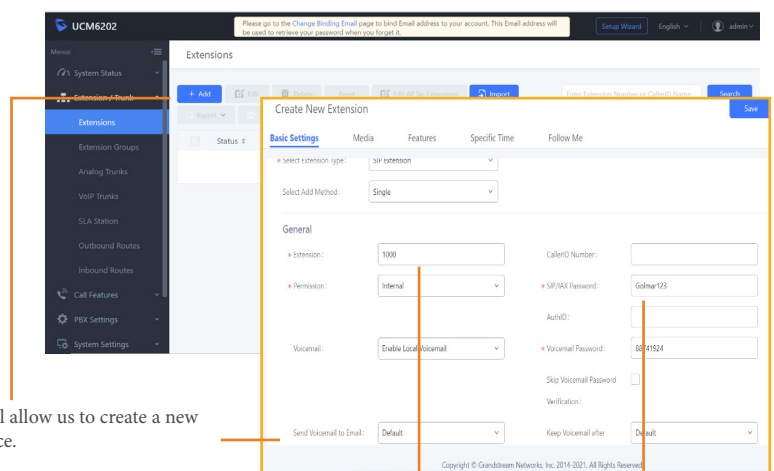
In the WAN section, we will set an IP address which is in the IP range of our system. We will also have to set the subnet mask and the corresponding Gateway address.



3

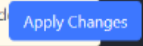
Having already configured the WAN network to work in the same IP range as our system, the next step will be to create an extension in the switchboard for our device. For this, we deploy the “Extension/Trunk” section and we access the “Extensions” section.

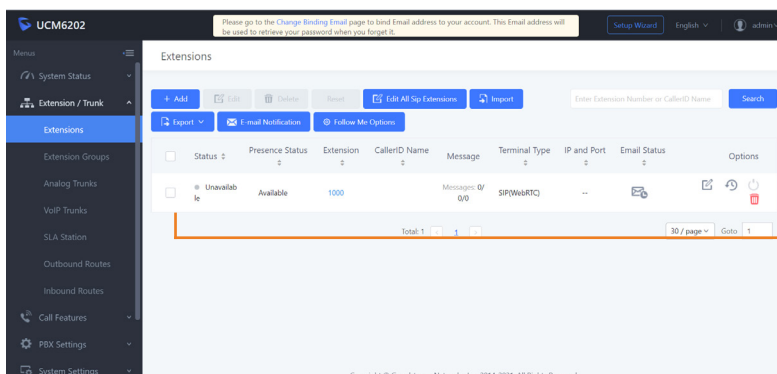
In this screen will appear all the created extensions in the switchboard.



The “+Add” option will allow us to create a new extension for our device.

We will add the desired **extension** and a **password**. To confirm the new extension created, we will press on “Save”.
NOTE: Remember the password, you will need it later.

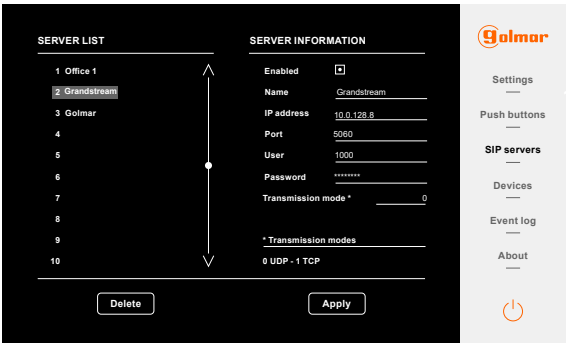
When we have added the extension, it will be necessary to save the applied changes. On the top of the screen will appear the icon . We will press on it and the new extension will have been saved.



Having saved the changes made, the screen will show us that exists a created extension in the switchboard, which we will use for our device, but this one has not yet been registered.

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

To assign the previously created extension to our device, in this case an entry panel, we will access the client web and we will go to the “SIP servers” section. The next screen will appear:



- 4
- We note, on the left part of the screen, a list of up to 30 SIP servers that should be empty, as we have not yet added the panel to any telephone switchboard.
- When select one of the numbers of the list, fields appear which must be filled in and the enable disable the SIP server option.
- **Name:** Name to assign to the SIP server.
 - **IP Address:** PABX IP address that we have configured (WAN).
 - **Port:** 5060. This port is usually the default port on most switchboards.
 - **User:** Extension number created.
 - **Password:** The set password on the PABX web server.
 - **Transmission mode:** 0 UDP. TCP mode is 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 some of the parameters was incorrect either no connection can be established with the switchboard, an error message will appear “Login fail”.

To check that we have done correctly all the steps, we access to the PABX web server and we see the state of the extension that we had previously created.



We note that the state of the extension has change from “Unavailable” to “Available” and it has turned green.

Only will left to add the VoIP telephone to the system having previously created an extension in the switchboard. For this we will follow the same steps described above, but when we access to the “Add SIP device” section we will fill in the fields as follows:

ADD SIP DEVICE

Name

Telefono voIP

Block

1

Address

10

Connection

1

Telephone extension

302

* Connection options

0 IP- 1 to 30 SIP server

- Number of appearance in the list of SIP servers of the system of the SIP server created in the PABX.
- Extension created in the switchboard for the VoIP telephone.

3.4. Devices

In devices we find a list of the existing devices in the installation. We can consult its configuration and edit certain aspects of this:



Export

We can export the configuration to do backup copies.

Import

In case in the future the backup copy has to be retrieved, this could be dumped via the import option, loading the .db file that was generated in the export.

From devices we also have the possibility to add ONVIF cameras and SIP devices to the installation. These are discussed in detail below.

Add Camera

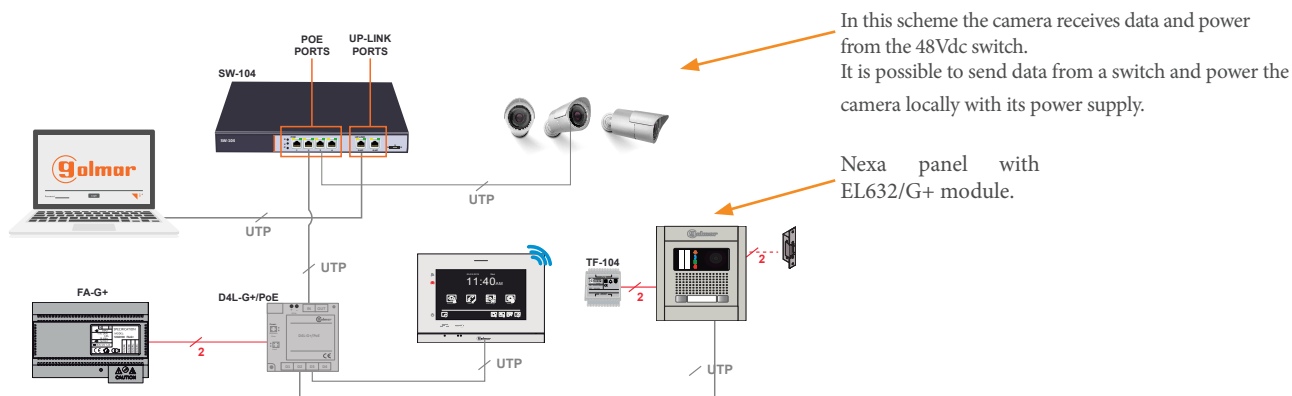
The system allows to add Golmar cameras with the following specifications:

- ONVIF interface protocol.
- H.264 video codec standard, “baseline” mode support.

(*) Golmar does not guarantee the compatibility of cameras from other manufacturers.

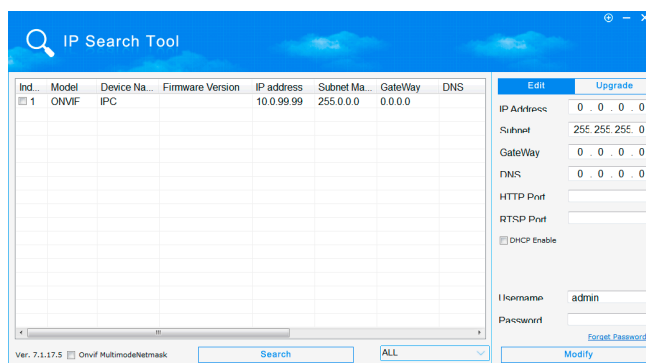
Steps to follow:

1 - Connect the camera to the system:



2 - Know the camera IP address:

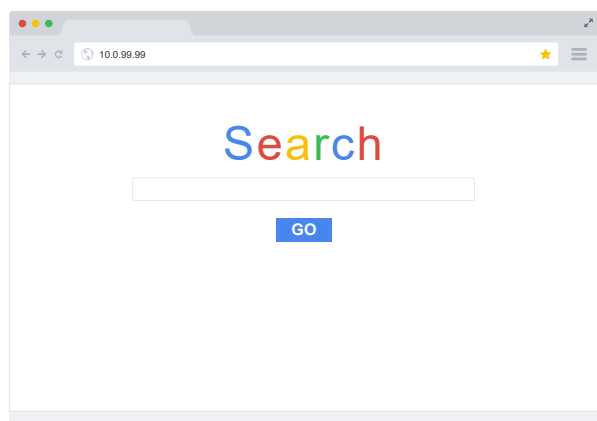
Discover the IP address assigned to the camera. If the default IP address of the camera is not reflected, we can find out the IP address by using programs such as “IP search Tool”:



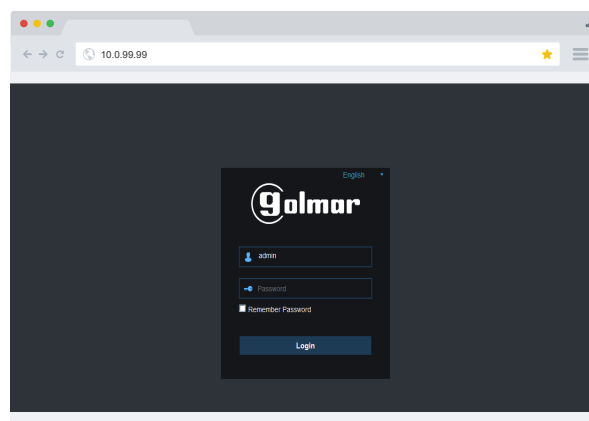
3 - Access the camera configuration environment:

Once we know the camera IP address and our computer is in the same range, we type the IP address in the web browser and we access the camera settings (similar process to the one described at the beginning of the guide but in this case with the camera).

Type the IP camera in the web browser:



Access the web client of the camera:

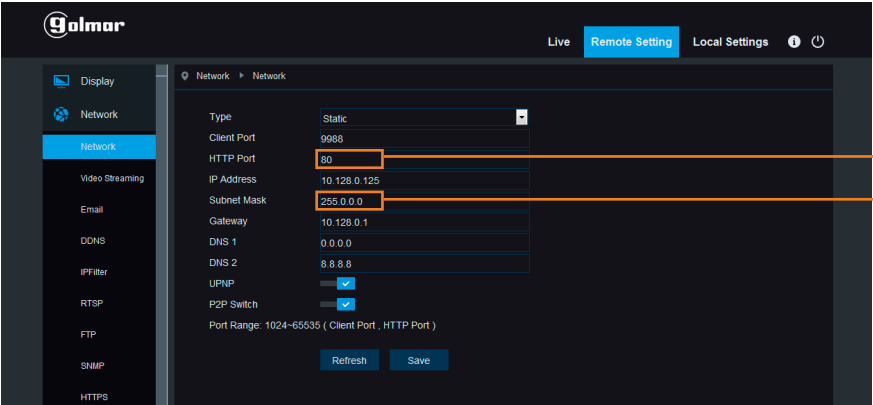


(*) If the camera is Golmar, use the Internet Explorer browser.

The Golmar camera credentials used in this guide are the following:
User: admin, Password: admin

(*) Check which are the access credentials of your camera.

4 - Modify the IP address.

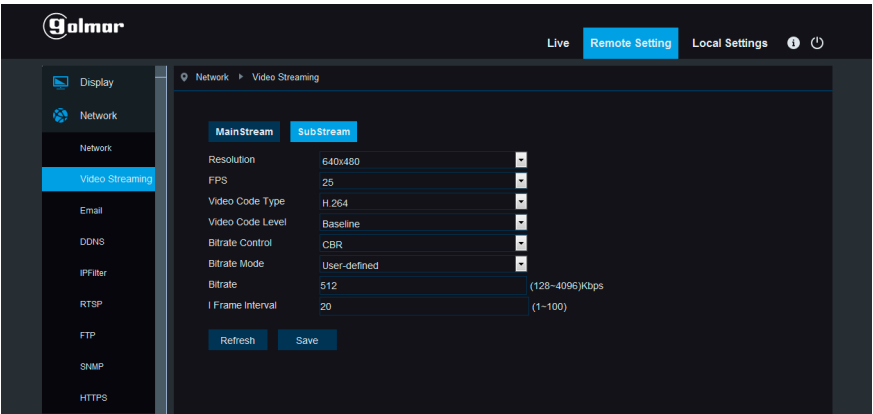


The camera IP address will have to be changed to a value between 10.128.XX.XX and 10.254.XX.XX.

The Gateway IP address should become 10.128.0.1

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

5 - Set the following substream configuration:



Configuration	Selection to mark
Resolution	640 x 480 (máx)
FPS	25
Compression	H.264
Codification type	Baseline
Bit Rate type	CBR
Bit Rate	512
I frame interval	20ms

NOTE: It is possible that in some moment the web browser indicates that is required to install “plugins”, if it is the case you must install them and reboot the web browser. If you change the access credentials, keep them in mind, as they are necessary to register the camera in the system.

6 - Register the configured camera in the system:

Access the “devices” section of the management panel (described above in this guide):



Click on “add Camera”

Name to identify the camera
Camera IP address
Camera credentials

ADD CAMERA

Name

Cámara 1

IP address

10.128.0.125

User

admin

Password

admin

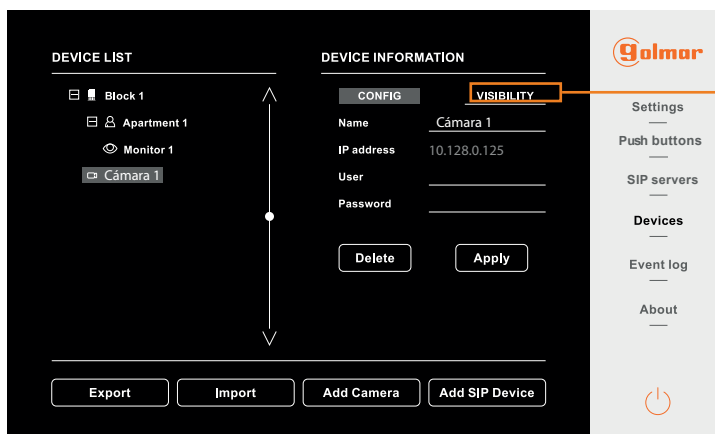
Cancel

Add

Add Camera

Add SIP Device

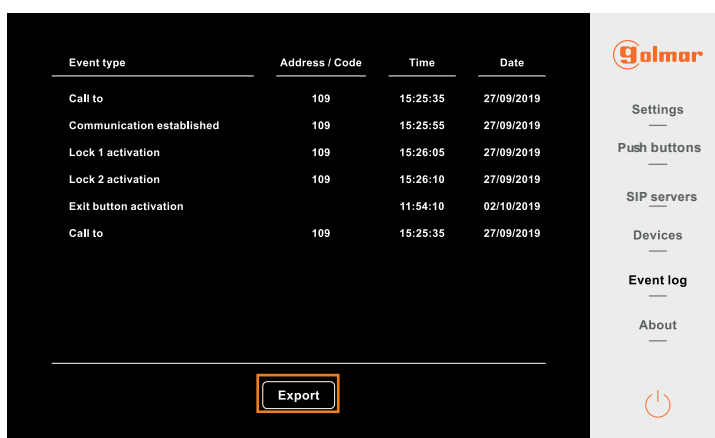
In this moment the camera is added and appears in the devices list:



It is possible to select which devices have access to the camera images. For this, click on the “visibility” option and select the devices of the deployable to which you wish to give authorisation.

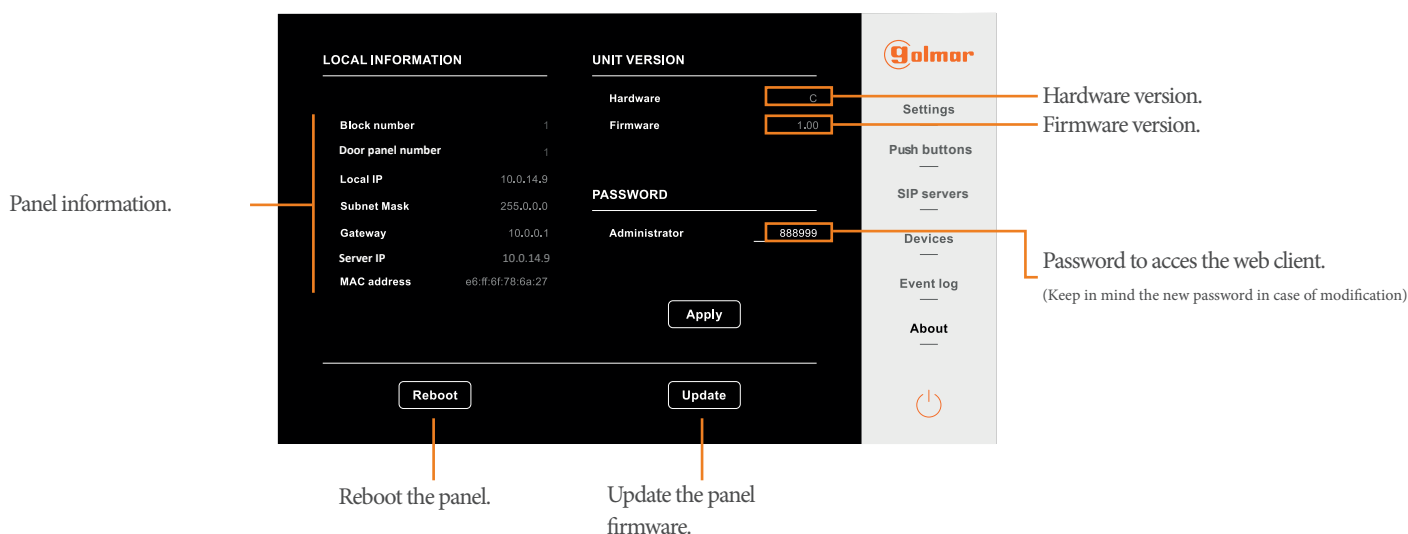
3.5. Event log

It is possible to check the different actions performed by the system from this screen as well as export these logs in .CSV file through the “Export” option.



3.6. About

In “about” we will be able to see the panel information, update its firmware or modify the password to access the web client:





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