iPG+

Golmar

System Configuration Tool

INSTALLER MANUAL

SCT 1.27 REV.0125|ENGLISH

INDEX

1. SOFTWARE DESCRIPTION

SCT (System configuration tool) is a software to program devices from IP G+ technology in a fast and simple way.
With the SCT software, you will be able to register the indoor units of an installation without the need to go inside any apartment. From your own laptop you can program the devices by their MAC addresses.

The software allows to program the units by scanning the MAC address and setting the parameters, not being necessary to have all the units connected in the network at the same time.

The software alllows also to scan a network and recompose the installation settings which were applied, and save them for further service or for understanding the network devices if you were not the original istaller..

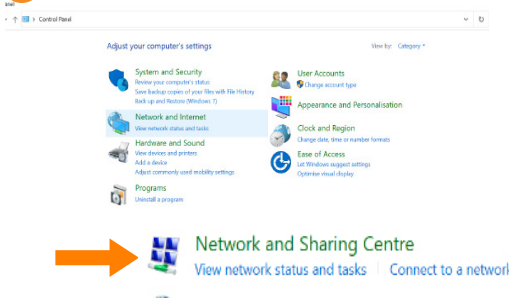
2. SOFTWARE SETUP

2.1 Computer network setting

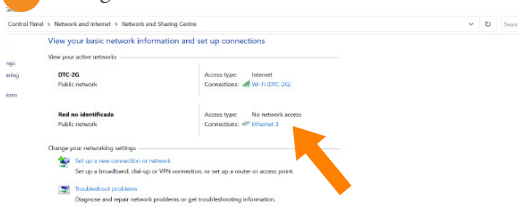
SCT in this version can only program the units in the IP range 10.xxx.xxx.xxx in an automatic way, hence it will be necessary that the computer has this network enabled in the LAN adaptor.

To setup your computer with the same network as the intercom system follow those steps:

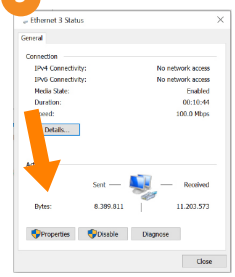
1 Go to network settings in control panel



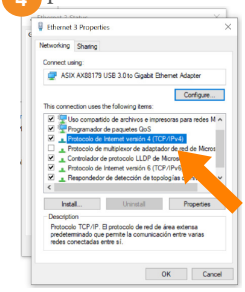
2 Change the active Ethernet network



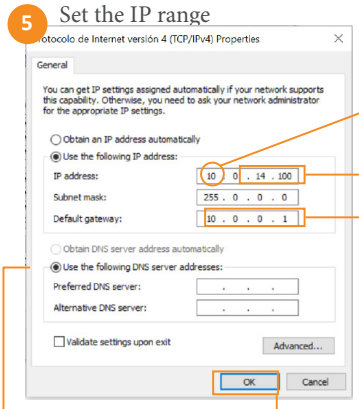
3 Enter into “properties”.



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.
Example 10.0.0.45.

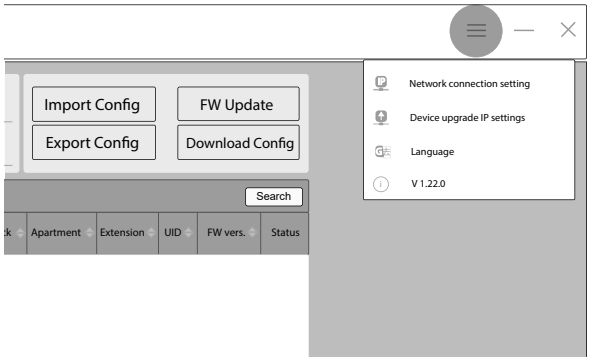
Assign 10.0.0.1 as Gateway.

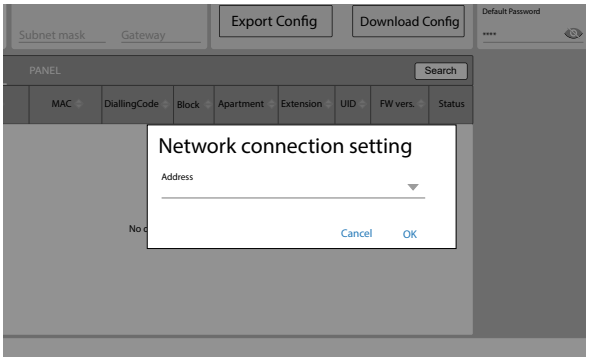
Do not assign DNS (blank fields).

Confirm settings.

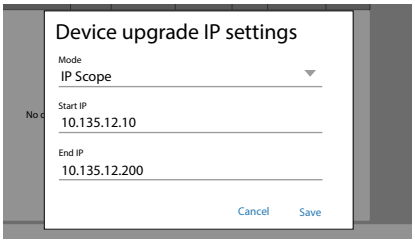
2.2 Network and language selection

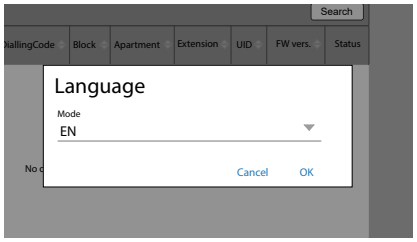
Click on the software options (three bars area in the top right corner) and access to the "**Network connection setting**" to confirm the IP address of your laptop to the SCT software. The SCT will reboot at this step.

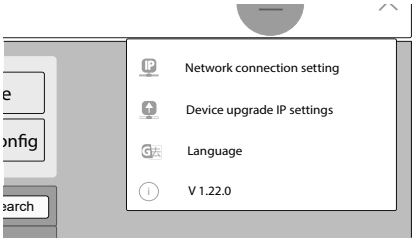




From this area it is also possible to set the **IP scope*** range of IP addresses which the software can find, for those cases where there is an existing installation. You can change the **language** of the software user interface and check its version.

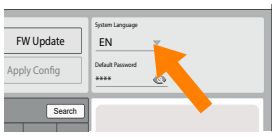






*Option currently not available in v.1.27

Before starting with the devices configuration, it is recommended to set the language in which you want to program the devices.

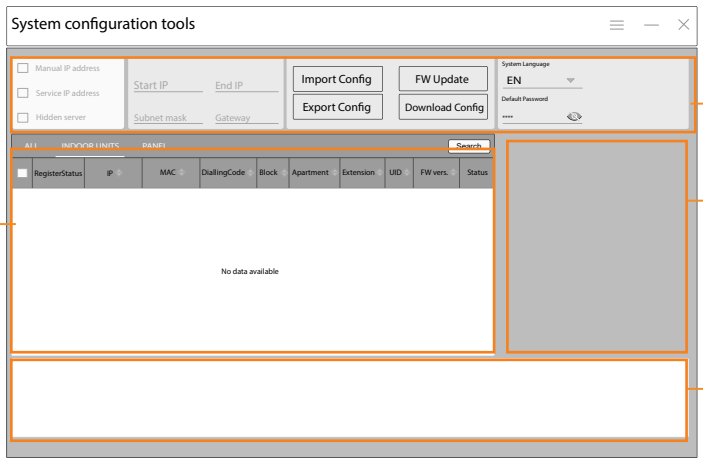


3. SYSTEM CONFIGURATION BY SOFTWARE SEARCH

3.1 Configure all devices at once

SCT is powered with a MAC search engine, which will display in the list all devices found in the network from the IP G+ range, it does not matter if the devices are set to factory default and all them have set the same IP default address 10.0.0.254.

In the next figure, it is describeed the different areas of the software window.



Area where devices will be listed up on a *Search* process.

Area for common settings of the devices.

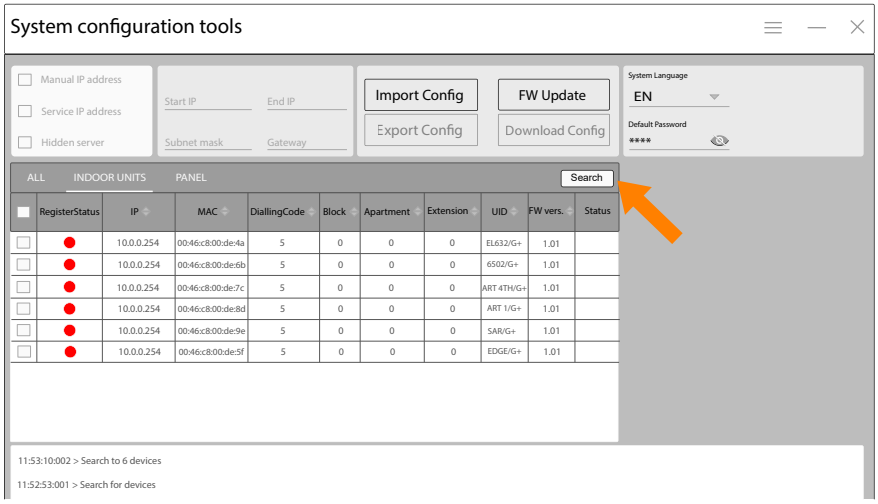
Area for individual device settings.

Console: where the information and results of the executed processes are displayed

It is described in the following points, how to program the system:

A- Devices Search

In a new installation, once the **"Search"** option is executed and all devices are found, you will see, that all of them appear with the same IP address and a red circle indicating that they are not registered into the master panel yet. In a new process all them will show the default address 10.0.0.254



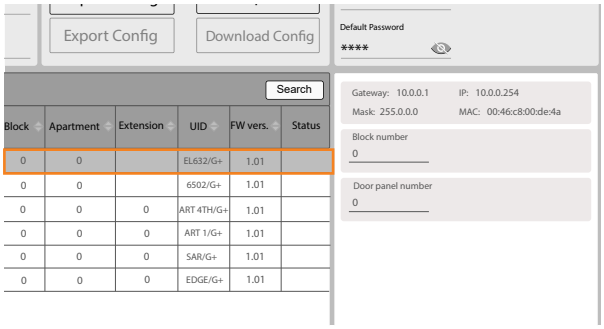
The next step consists in assigning the registration parameters to the found devices. Below you can see the requested parameters depending on the device type to be registered:

B- Door panels configuration

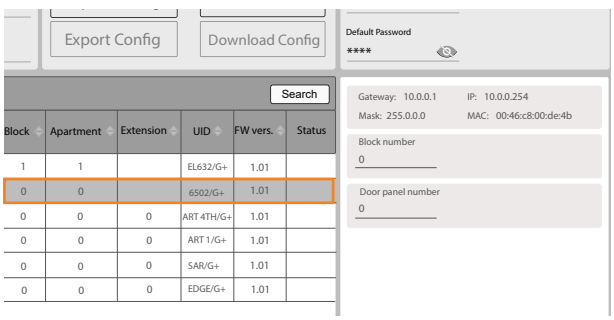
Door panels: EL632/G+ module, 6502/G+ coded and 6507/G+ touch door panels:

Important note: One of the door panels must be registered as door panel 1 of the block number 1, that panel will take the role of master panel. It will store the registration of the rest of devices in the installation. Therefore it is mandatory that the master panel is connected into the network during all the registration process of all devices.

EL632/G+ module



Sixty5 door panels: 6502/G+ or 6507/G+



Block number: The block number field must be filled with a number between 1 and 98 if it is a building door panel and with the number 99 if it is a general door panel.

Door panel number: For the door panel number field, numbers from 1 to 99 are accepted.

User name: Refers to the panel name, which will be displayed in the monitor preview list.

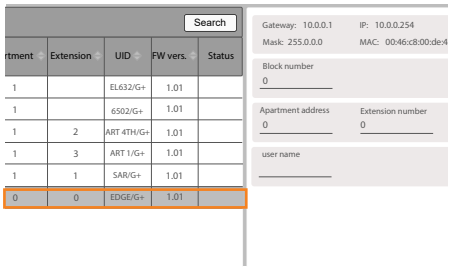
Second call list and Alphanumeric dial code: The panels 6502/G+ and 6507/G+ allow to set a different call for dialling than the system address. Select this option and set if the new dialling code shall contain characters from the alphabet. This operation has to be selected at the first time to register the master panel.
EL632/G+ cannot be a master panel if this setting needs to be enabled.

Sort names by buildings: When enabled each user will be listed under its building, otherwise they will merge in one list in the general panel namelist.

Sort name list alphabetically: To select whether the names should be sorted by name or by dialling code.

C - Indoor units configuration: Monitors

Indoor units: EDGE 7/G+, EDGE 7/IO/G+, EDGE 7W/G+.



Block number: The block number field must be filled with a number between 1 and 98, depending into which Block is located the monitor phisically.

Apartment address: For the apartment address number field, numbers from 1 to 799 are accepted.

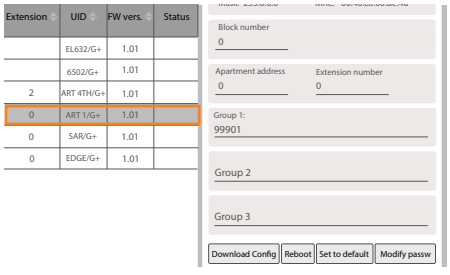
Extension number: In the case there is only one indoor unit in the apartment, set this as extension 1. There can be a total of 6 extensions (indoor units) inside each apartment (audio and video indoor units can be mixed).

User name: Refers to the monitor name, which will be displayed in the neighbourg's monitor intercom list and panels' namelist.

Dial number and multiple user names: When the master panel has been set with the Second call list, the monitor will allow to be shown in the system with 10 different names / dial codes, despite all them are going to call to the same system address.
EL632/G+ cannot be a master panel if a second call list need to be performed.

D - Indoor units configuration: Audio units

Indoor units: ART 1/G+



Block number: The block number field must be filled with a number between 1 and 98, depending into which Block is located the unit phisically.

Apartment address For the apartment address number field, numbers from 1 to 799 are accepted.

Extension number: In the case there is only one indoor unit in the apartment, set this as extension 1. There can be a total of 6 extensions (indoor units) inside each apartment (audio and video indoor units can be mixed).

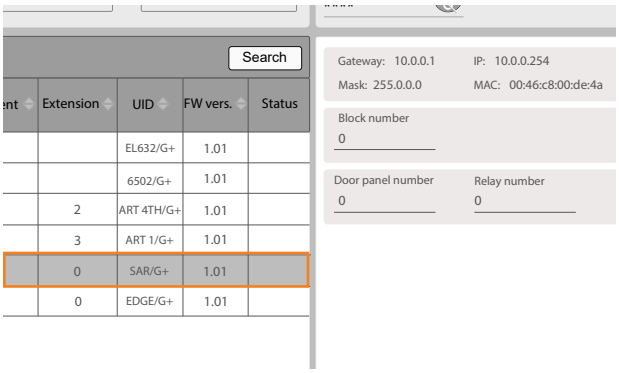
User name: Refers to the monitor name, which will be displayed in the neighbourg's monitor intercom list and panels' namelist.

Dial number and multiple user names: When the master panel has been set with the Second call list, the monitor will allow to be shown in the system with 10 different names / dial codes, despite all them are going to call to the same system address.
EL632/G+ cannot be a master panel if a second call list need to be performed.

Group 1, 2, 3: ART 1/G+ has the possibility to call to 3 different concierge groups. Each group can have up to 6 different system addresses.

E- IP relays configuration

IP relay unit: SAR-G+ relay unit.



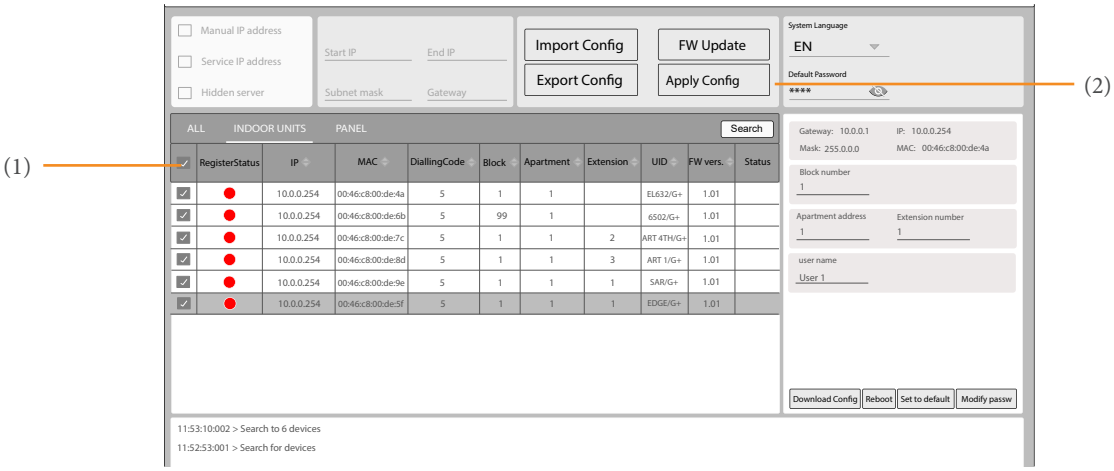
Block number: The block number field must be filled with a number between 1 and 99, depending into which Block is located the relay phisically.

Door panel number: Set the panel to which this relay will be associated. Numbers from 1 to 99 are accepted.

Relay number: In the case there is only one relay associated to the apartment or door panel, set this as extension 1. There can be a total of 6 extensions (relay units) inside each apartment.

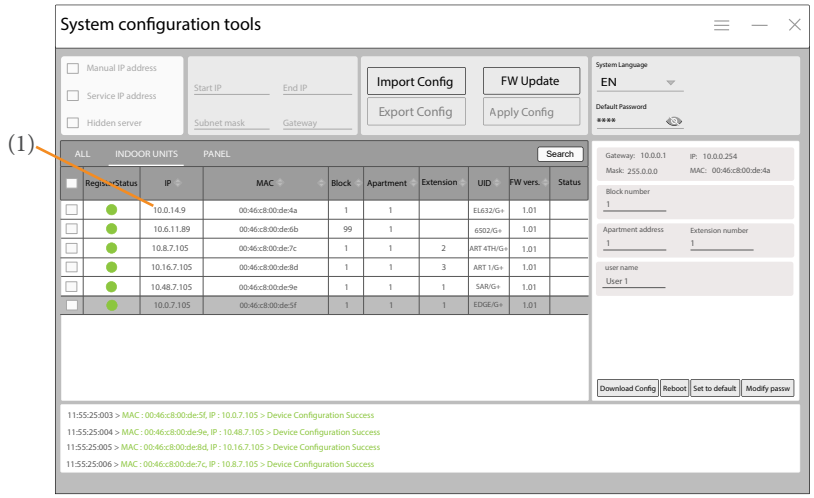
F- Apply configuration

Once all the requested parameters are filled in, choose all the devices by clicking on the square placed in the left upper side of the screen (1). After that, all devices will be chosen, so it is only needed to click over the "Apply Config" option.



G- Final check

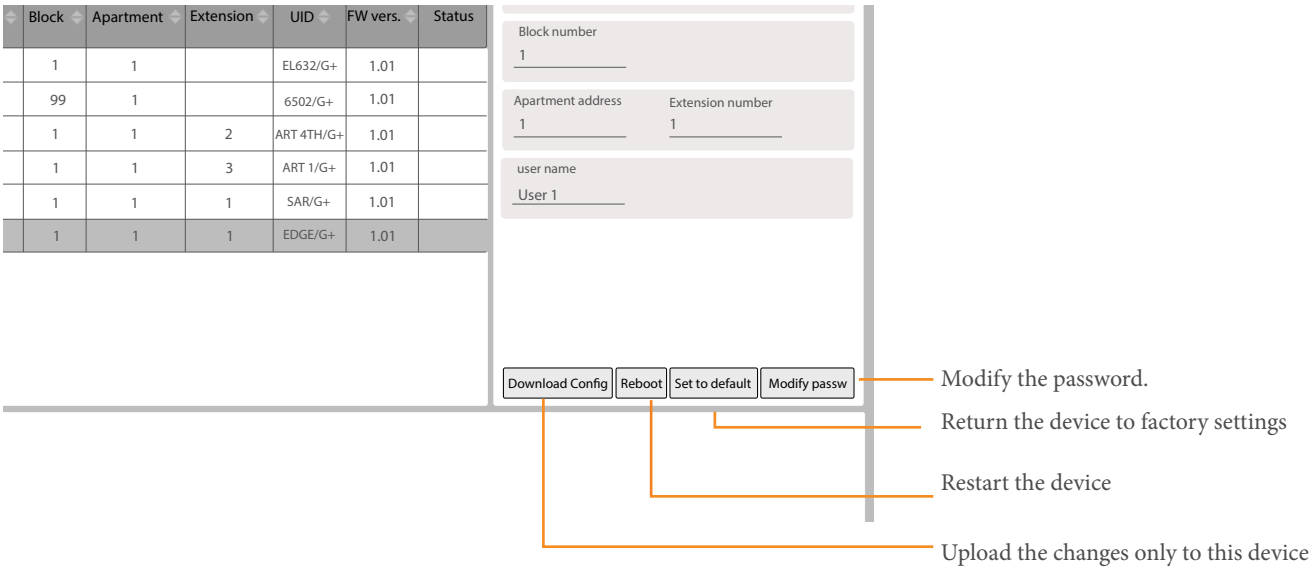
Once all the devices are registered, you will see that all their parameters have changed by the previously set and the red circle has became in a green circle, which indicates that the devices have been properly registered.



Tip: By clicking over the IP address (1), the browser will start with the device webserver enabled, it is a shortcut to access the webserver of any device when it is necessary to perform any additional configuration which is not available in the SCT.

3.2 Configure a single device

It is also possible to choose only one of the devices to modify or register. Below you can see all the options available:



Important note: Even if the devices are registered one by one, it is mandatory that the first device to be registered is the master panel. The master panel, which is the one registered as panel number 1 at the block number 1, must remain connected into the installation the whole process of registration of the different devices of the installation.

4. SYSTEM CONFIGURATION BY EXCEL SHEET

The system allows to create the list of devices through an Excel sheet. In this way you can prepare the installation settings in an excel file, without knowing yet the MAC address or the IP address. Afterwards you will be able to program the units adding them into batches.
This option is very interesting when the job is divided in between two persons or the programming is done in batches in the office.

Here is shown in different setps how to peform this type of programming, in the example there are 2 panels an 4 apartment units.

4.1 Configuration using system address

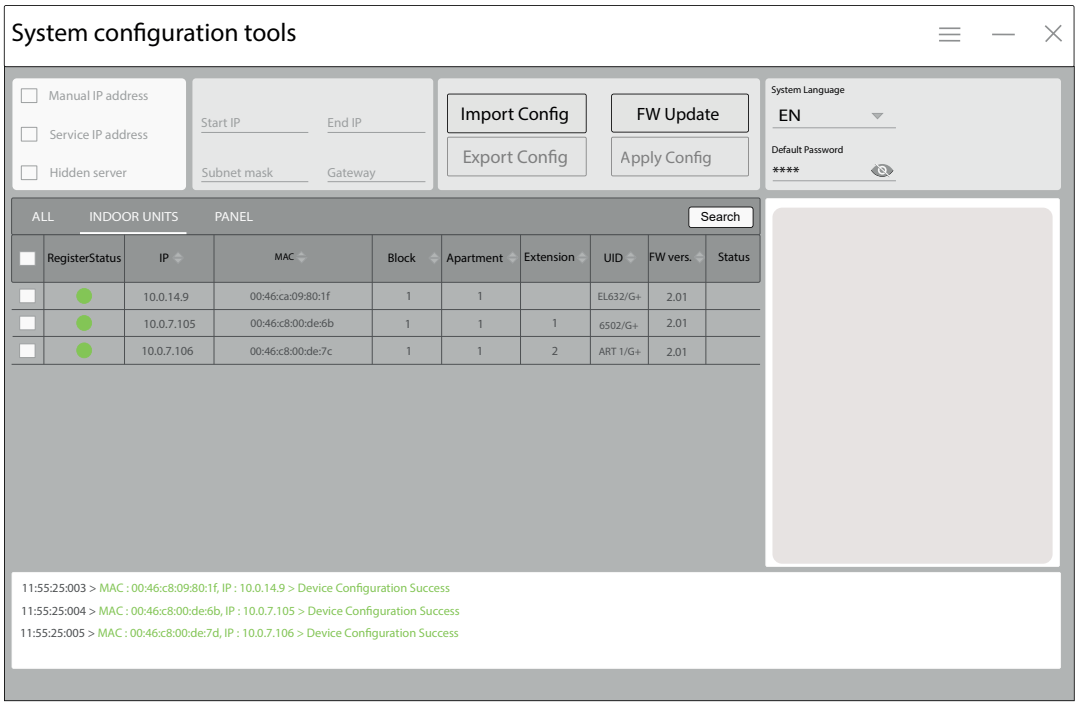
1- **Create the excel sheet** following this template. Complete the mandatory fields as shown in the example. To get the template you can click over *Export Config* with at least one device in the network.

IP	MAC	Block	Unit	Extension	username	dialNumber	Group1	Group2	Group3	Relay number	Unit ID	FW version
		1	1		Panel 1							
		1	2	1	Peter							
		1	1	1	Marc							
		1	2		Panel 2							
		1	3	1	Mary							
		1	4	1	Charles							

2- **Scan the MAC address**, which you will find in the device label, for those devices which you will connect into the programming setup and type it into the corresponding device field.

IP	MAC	Block	Unit	Extension	username	dialNumber	Group1	Group2	Group3	Relay number	Unit ID	FW version
	00:46:ca:09:80:1f	1	1		Panel 1							
	00:46:c8:05:0f:ac	1	2	1	Peter							
	00:46:ca:09:2d:6f	1	1	1	Marc							
		1	2		Panel 2							
		1	3	1	Mary							
		1	4	1	Charles							

3- **Click over *Import Config*,** the software will request the Excel file. It can be imported the file with the total of devices, it will only register the devices which contain a valid MAC address. The Software will program the devices. If the master panel was not yet registered in the system, the software will program the master panel first, and the other devices right after. The system will register all the devices and assign its corresponding IP address automatically.



4- **Scan next batch of MAC:** Edit your excel file by adding the next batch of devices to be connected to the network setup. Scan each MAC address and fill it in the corresponding field. Click over **Import Config** file

Tip: It is not necessary that the devices programmed in the previous batch remain connected at exception of the master panel.
Important note: It is mandatory to keep connected the master panel along all the registration process of all the devices.

IP	MAC	Block	Unit	Extension	username	dialNumber	Group1	Group2	Group3	Relay number	Unit ID	FW version
	00:46:ca:09:80:1f	1	1		Panel 1							
	00:46:c8:05:0f:ac	1	2	1	Peter							
	00:46:ca:09:2d:6f	1	1	1	Marc							
	00:46:ca:10:81:4e	1	2		Panel 2							
	00:46:c8:12:0f:e8	1	3	1	Mary							
	00:46:ca:22:1c:5a	1	4	1	Charles							

5- SCT software will now program those devices which have a MAC addres valid in the Excel sheet but still have not been registered into the master panel.

6 - At this point, when all devices have been registered, you can send them to the installation. When the master panel powers up in the installation, it will search for the registered devices in the network. In the same way, when a registered device gets powered into the network , it will search for the master panel. At this moment both will exchange all information, so those relations established during the programing process, despite the devices where not registered all at the same time, will be shared, making the installation complete and finished. This process may take few minutes.

On site, with all devices registered, if you perform the **Export Congif file,** you will get an excel file which will look like the next Figure. So, the software identifies each unit and inquiries the type of device and the FW version:

IP	MAC	Block	Unit	Extension	username	dialNumber	Group1	Group2	Group3	Relay number	Unit ID	FW version
10.0.14.9	00:46:ca:09:80:1f	1	1		Panel 1						6502/G+	2.0.1
10.0.7.106	00:46:c8:05:0f:ac	1	2	1	Peter						EDGE/G+	2.0.1
10.0.7.105	00:46:ca:09:2d:6f	1	1	1	Marc		99901				ART 1/G+	2.0.1
10.0.14.10	00:46:ca:10:81:4e	1	2		Panel 2						EL632/G+	2.0.1
10.0.7.107	00:46:c8:12:0f:e8	1	3	1	Mary						EDGE 7W/G+	2.0.1
10.0.7.108	00:46:ca:22:1c:5a	1	4	1	Charles		99901				ART 1/G+	2.0.1

4.2 Configuration using Second call list

It is possible to import the config file and register the devices with a *Second call list*. To perform this action, it will need to be completed the column dialNumber.

If you want to add more than one user Name and one dial code per each system address, you can add them separated by a coma (,) and without spaces. A maximum of 10 names and dial codes can be added per each system address.

In the following example, the device in the second row, has two name users and two alphanumeric dial codes.

IP	MAC	Block	Unit	Extension	username	dialNumber	Group1	Group2	Group3	Relay number	Unit ID	FW version
	00:46:ca:09:80:1f	1	1		6502 INOX							
	00:46:c8:05:0f:ac	1	2	1	Peter,Dyson	65C,24A	99901					
	00:46:ca:09:2d:6f	1	1	1	Marc	94C						

It is recommended to configure the master panel first (panel 1 at block 1) and to set the alphanumeric dial code and second call address. Continue programming the rest of the devices normally.

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