MANUAL 231130

CHAMELEON CONNECTOR
UPLOAD/DOWNLOAD SOFTWARE

CE

MADE IN PORTUGAL - EU

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USER MANUAL

GENERAL INFORMATION

CHAMELEON CONNECTOR is a valuable software tool that helps complete GFE's range of Chameleon panels. With this software, users can configure all cause/effect settings and upload them to their panel. Additionally, users can download the configurations from the panel and update them as needed, providing greater flexibility in programming and customization. Overall, Chameleon Connector offers a user-friendly and efficient solution for managing and configuring Chameleon panels.

CHAMELEON CONNECTOR is compatible with GEKKO, OCTO+ , NODE+, G-One and CHAMELEON REP panels.

BASIC USER INTERFACE

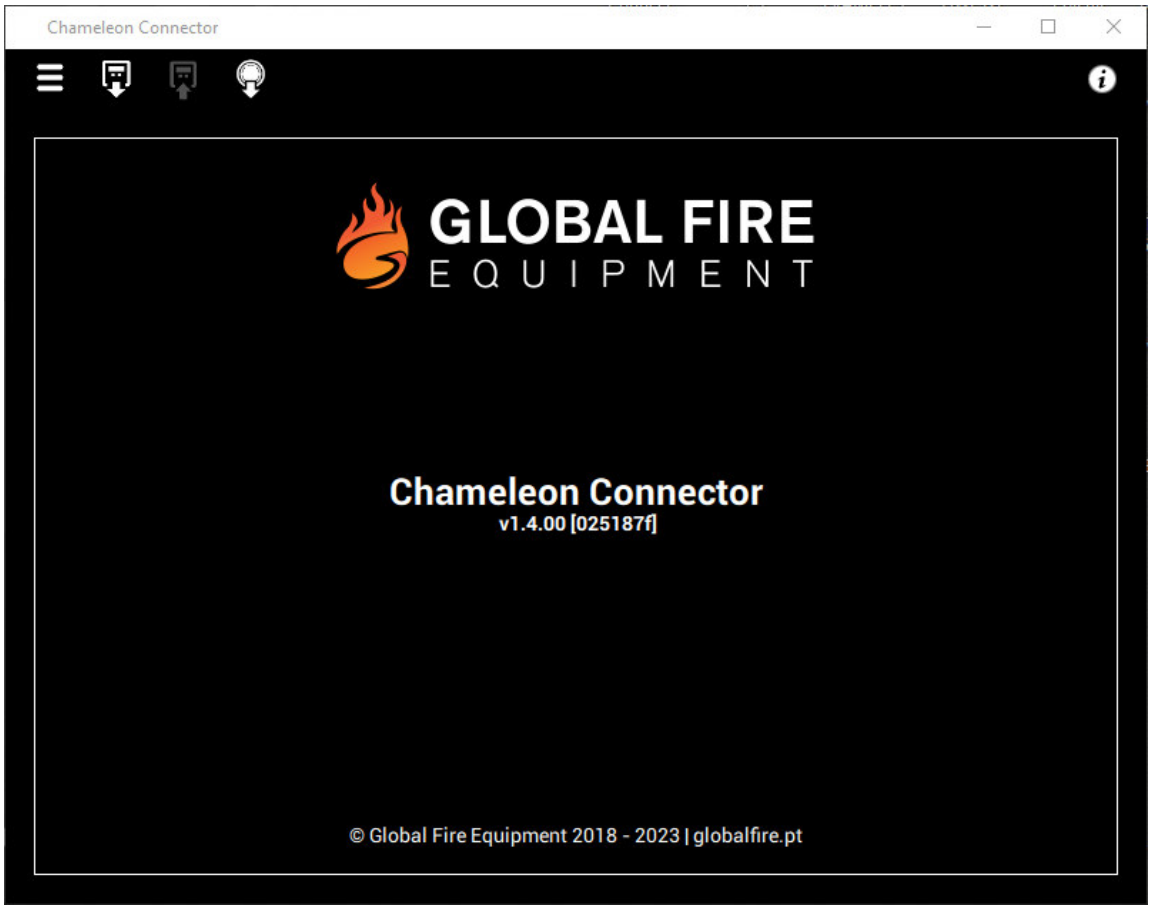
INSTALLER CODE

In order to use the UPLOAD/DOWNLOAD features of the CHAMELEON CONNECTOR software, the user must enter the INSTALLER CODE into the panel first. This will unlock the USB port on the panel, allowing the user to connect to the panel and upload or download configurations using the CHAMELEON CONNECTOR software. No other menu settings need to be adjusted for this feature to work.

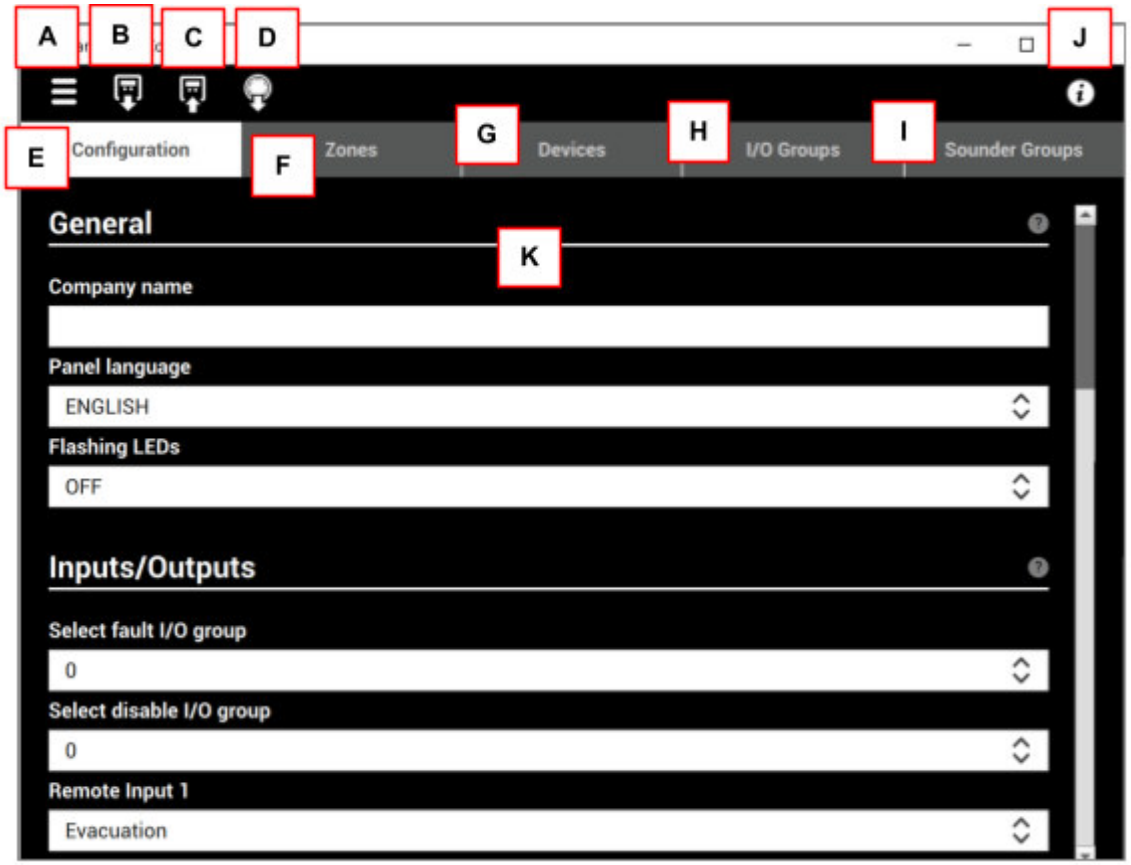
INSTALLER CODE

APPLICATION OVERVIEW

When the CHAMELEON CONNECTOR application is first started, it will open in an unloaded state. This means that no panel configuration is loaded into the software yet, and the user must connect to a panel and either upload an existing configuration or create a new one.



The Menu and Task bars allow the user to perform actions related to uploading and downloading configurations, creating new configurations, and loading configuration or firmware files. The Tabs bar allows the user to navigate between different sections of the configuration by selecting the desired tab. The Content area is where the user can edit the data from each tab. Overall, the CHAMELEON CONNECTOR application provides a user-friendly interface for configuring and updating Chameleon family panels.



A	**MENU OPTIONS**	Select language, New files, Load files or get panel log
B	**GET CONFIG FROM PANEL**	Download cause and effect settings from panel
C	**SEND CONFIG TO PANEL**	Upload cause and effect settings to panel
D	**GET DEVICES DATA**	Get devices information: type, value and condition
E	**CONFIGURATION**	General configuration
F	**ZONE**	Select zones
G	**DEVICES**	Devices behavior
H	**I/O GROUPS**	I/O´s groups configuration
I	**SOUNDER GROUPS**	Sounder groups configuration
J	**INFORMATION**	About CHAMELEON CONNECTOR
K	**CONTENT AREA**	Data configuration area

CREATE BLANK CONFIGURATION

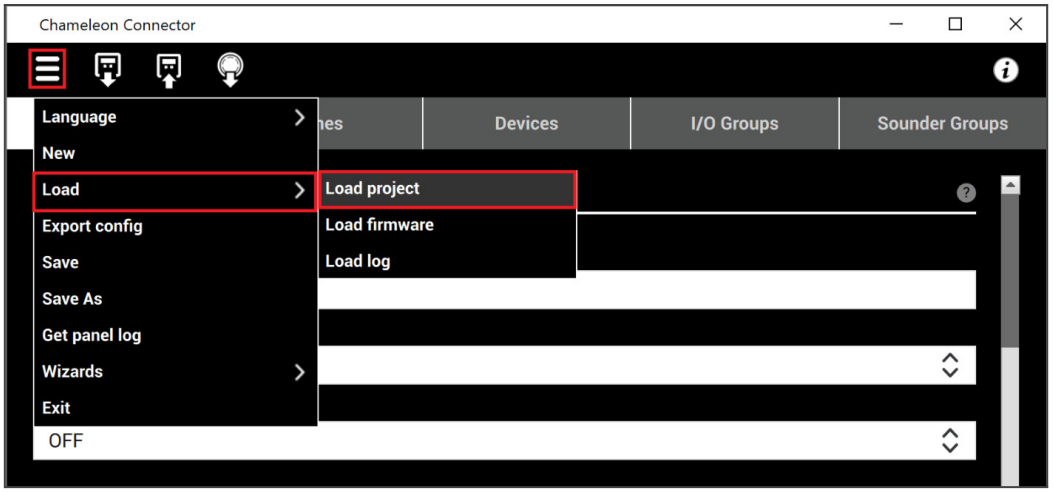
To create a new blank configuration in CHAMELEON CONNECTOR, follow these steps:

1. Open CHAMELEON CONNECTOR application on your computer.
2. Click on the "Menu" option located at the top left corner of the application window.
3. Select "New" from the drop-down menu.
4. A new blank configuration will be created with all values set to default.

You can now proceed to configure the panel settings and cause/effect programming as per your requirements.

LOAD CONFIGURATION FROM FILE

After selecting "Load Project" from the "Load" submenu in the "Menu" bar, a file explorer window will open where you can navigate to the folder where the saved configuration file is located. Once you have found the file, select it and click "Open" to load the configuration into the CHAMELEON CONNECTOR application. The loaded configuration will be displayed in the content area of the application.



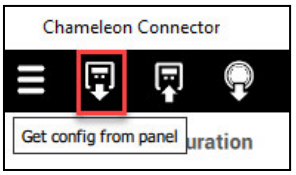
TECHNICAL NOTE: Importing older legacy panels .gfl files

When loading a .gfl file, the CHAMELEON CONNECTOR application will attempt to convert as much of the configuration data as possible to the new format (.gfd). However, since the conversion process can't be completely automated, the user should review the imported data to ensure that everything has been correctly transferred to the new format. Once the configuration data has been loaded and reviewed, it can be used as usual by editing, uploading, and saving to file.

It is important to note that when loading a configuration file, any previously unsaved changes to the current configuration will be lost. Therefore, it is recommended to save the current configuration before loading a new one.

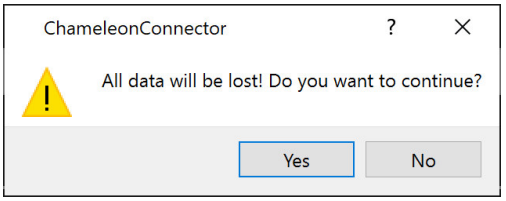
DOWNLOADING CONFIGURATION FROM PANEL

After pressing the 'Get config from panel' button, the CHAMELEON CONNECTOR application will initiate communication with the panel and retrieve the current configuration. The downloaded configuration will replace the existing configuration in the application's memory.



Note that the panel must be properly connected to the computer and the USB drivers for the panel must be installed before attempting to download the configuration. Also, ensure that the installer code is correctly entered on the panel before attempting to download the configuration.

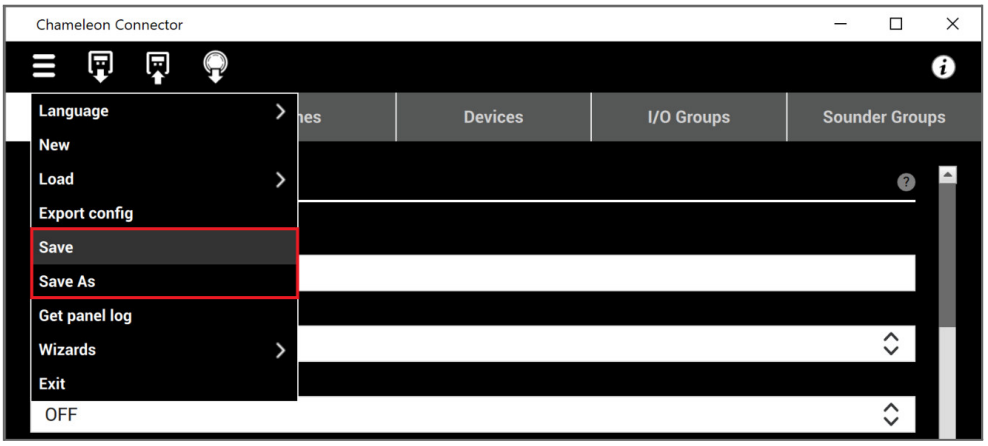
The dialog box serves as a warning to the user before proceeding with the transfer. The user will have the option to either continue with the transfer by clicking "YES" or cancel the transfer by clicking "NO".



After the download is completed, the configuration data from the panel will be displayed in the content view of the CHAMELEON CONNECTOR software. This view allows the user to review and edit the downloaded data as needed. It is important to review the downloaded data to ensure that it matches the expected configuration of the panel. Any discrepancies or errors should be corrected before uploading the configuration back to the panel.

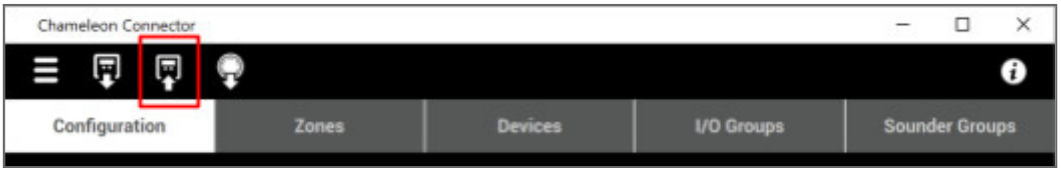
SAVING THE CONFIGURATION TO A FILE

To save the edited data, choose the "Save" or "Save as'' option from the "Menu" tab. If the changes are being made to a previously loaded .gfl configuration file, selecting "Save" will overwrite the existing file with the updated data. However, if the configuration was loaded into CHAMELEON CONNECTOR software through a new blank configuration or a panel download, choosing "Save" will prompt the user to enter a name for the new file. On the other hand, selecting "Save as" will always require the user to enter a filename.

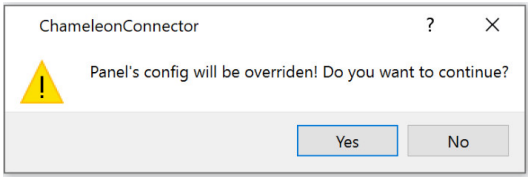


UPLOADING THE CONFIGURATION TO THE PANEL

Once all the desired data has been configured, it is possible to upload it to the panel. To do so, connect the panel to the computer via USB cable, ensure that the installer code is inserted on the panel, and then click on the ‘Send config to panel’ button in the CHAMELEON CONNECTOR software.

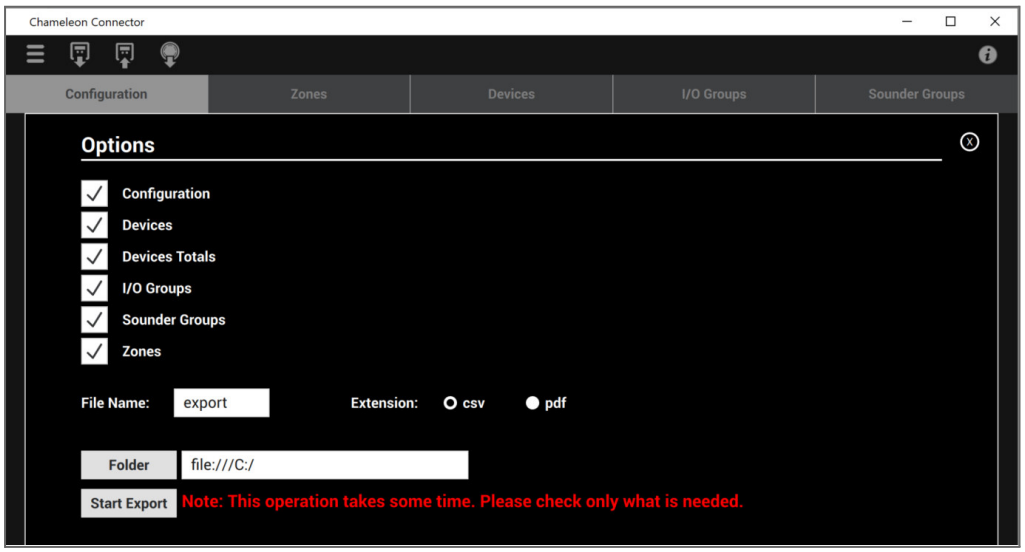


After confirming the transfer, a progress bar will be displayed to monitor the transfer state. It is important to note that a confirmation dialog box will appear before the transfer is initiated, and the user can choose to press ‘Yes’ to start the transfer or ‘No’ to cancel. Once the transfer is complete, the panel will reset automatically.



EXPORT CONFIGURATIONS

If a hardcopy of the configuration data is needed, the user can select the MENU | Export configuration option. This will open a window where the user can choose which configurations to export. The user can select specific configurations or choose to export all configurations. Once the desired configurations are selected, the user can choose the format of the exported file (e.g. PDF or CSV) and the location where the file will be saved. Finally, the user can click the "Export" button to save the configuration data in the selected format and location



Configuration holds a single page with all the data from the **General Tab**.

Device will print the selected loops population details. Only the devices that actually have some changes applied (the default is shown too) will appear in the list.

Devices Totals shows the total number of devices, grouped by device type, per each loop, panel and system.

IO Groups shows all IO group definitions from Input/Output Tab. If you check the option 'Only customized groups' then only the non-empty groups will be listed.

Sounder Groups and Delay Overrides shows all the sounder groups configuration as shown in the 'Sounders' tab. If you check the option 'Only customized groups' it will list only the groups that are different from default.

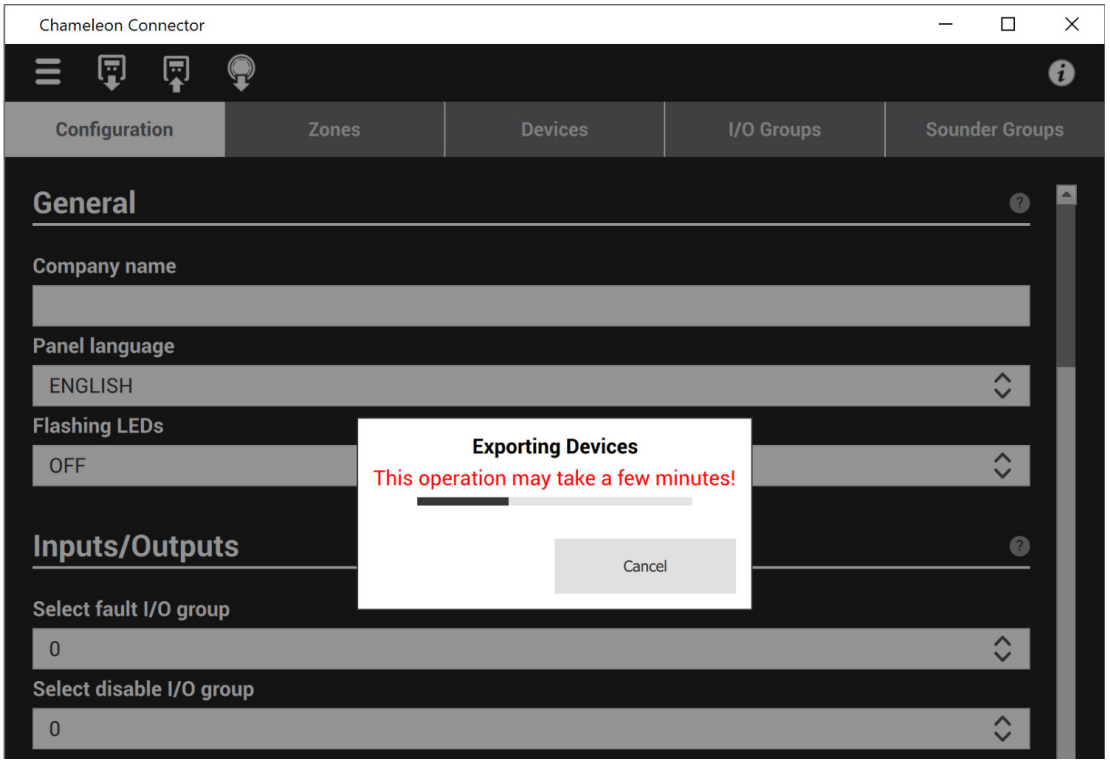
Zone shows the zonal configurations from **Zones Tab**. If you check 'Only active zones' then only the zones that are referred and/or have action triggers will appear in the list. Pressing OK will render a preview of the report which you can then print.

File name is the name of the file, which will be saved. **Folder**, the place where the file will be saved to.

Extension allows the user to select which type of file to export to, **CSV** or **PDF**.

The '**Folder**' button, allows the user to navigate to the desired folder to save the export files.

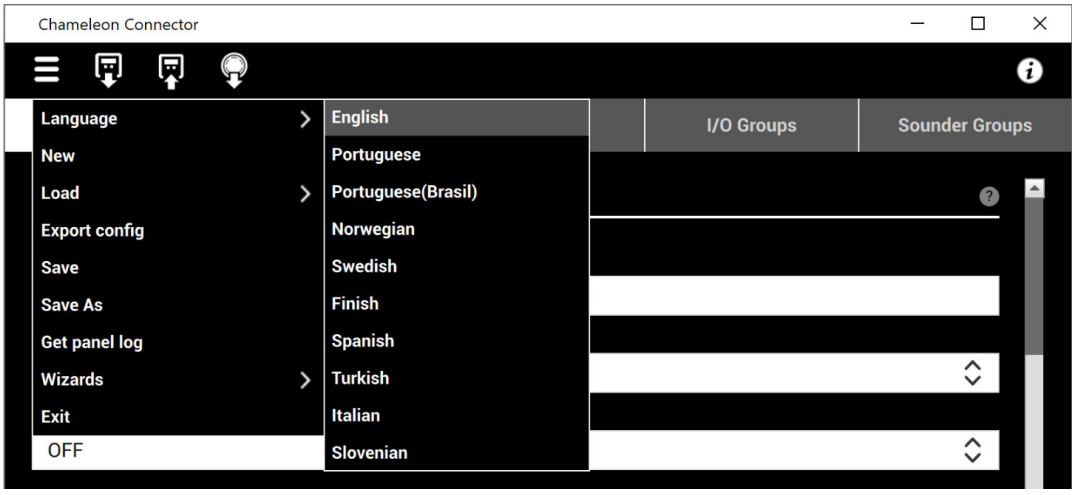
When the '**Start Export**' button is pushed, a progress bar monitors the transfer state, indicating which files are being exported.



APPLICATION LANGUAGE SELECTION

The CHAMELEON CONNECTOR software is designed to be user-friendly, and it's available in multiple languages. You can switch to a different language by following these simple steps:

1. Go to MENU | Language option
2. Choose the language you want to use from the list of available languages
3. Click on the language you want to select
4. The application will remember your language preference and use it the next time you start the application.



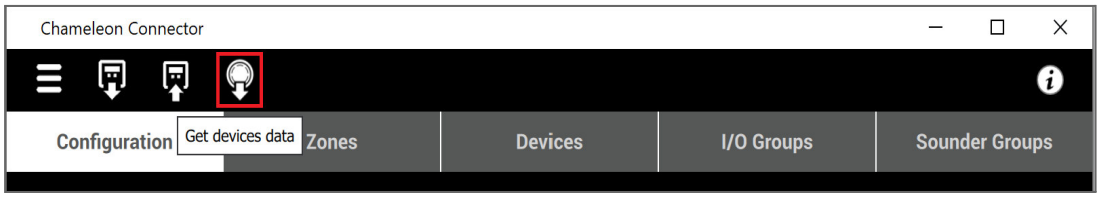
CHAMELEON CONNECTOR supports the following languages:

- Croatian
- English
- Finish
- Hungarian
- Italian
- Norwegian
- Portuguese
- Portuguese (Brazil)
- Serbian
- Slovenian
- Spanish
- Swedish
- Turkish

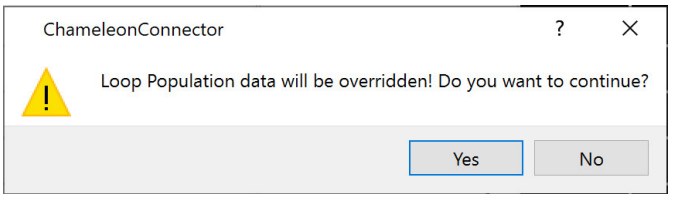
GET DEVICES DATA

When the loop population information is received, it will be displayed in the Devices Tab. This information includes the device address, device type, and device status.

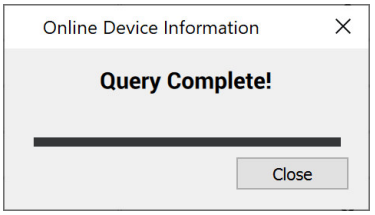
It is important to note that the Get Devices Data option does not modify the configuration data stored on the panel. It is purely a read-only operation that allows the user to view the current state of the devices on the loop. To make changes to the configuration data, the user must use the Edit Configuration option and then upload the changes to the panel



To update the Get Devices Data device configuration to match what exists in the Panel, you can click on the "Update Loop Population" button. However, a warning dialog will be displayed to inform you that any eventual setting you made to the loop fitted states or device type settings will be overridden.



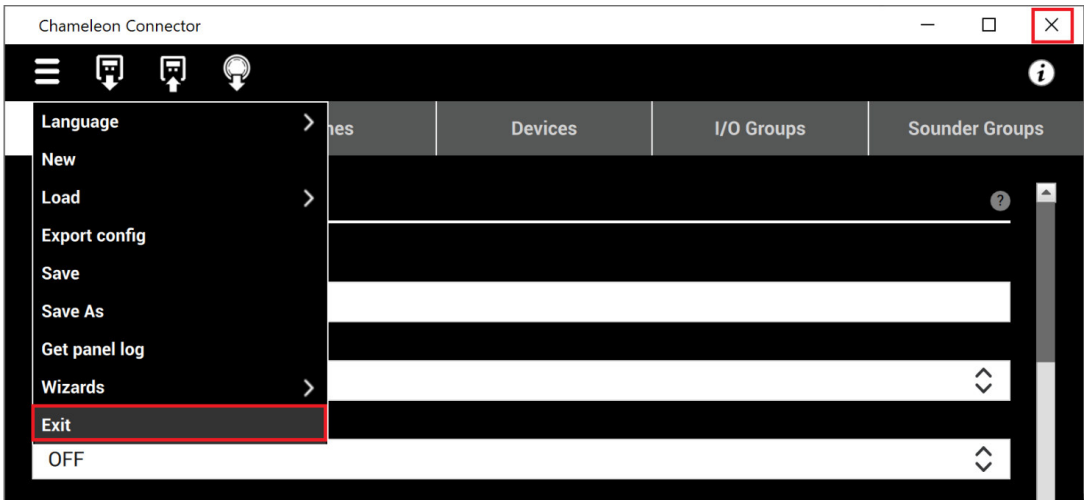
Once all devices are recognized, a "Query Complete" message will be displayed. You can then click on the "Devices" tab to view the device's address, type, and analogue value.



EXIT FROM THE APPLICATION

To exit the CHAMELEON CONNECTOR software, there are two options available:

1. Select MENU | Exit option from the application's menu bar.
2. Click on the close button on the application window.



If any data has been loaded and changes have been made since the last save, a warning dialog box will appear to alert you that any unsaved changes will be lost upon exit. You will have the option to save your changes by selecting "Save", discard the changes by selecting "Don't Save", or cancel the exit action by selecting "Cancel".

CONFIGURATION TABS

After successfully creating, opening, or downloading a Panel configuration, the CHAMELEON CONNECTOR software changes its content view from the welcome page to a series of configuration screens grouped in tabs.

GENERAL CONFIGURATION TAB

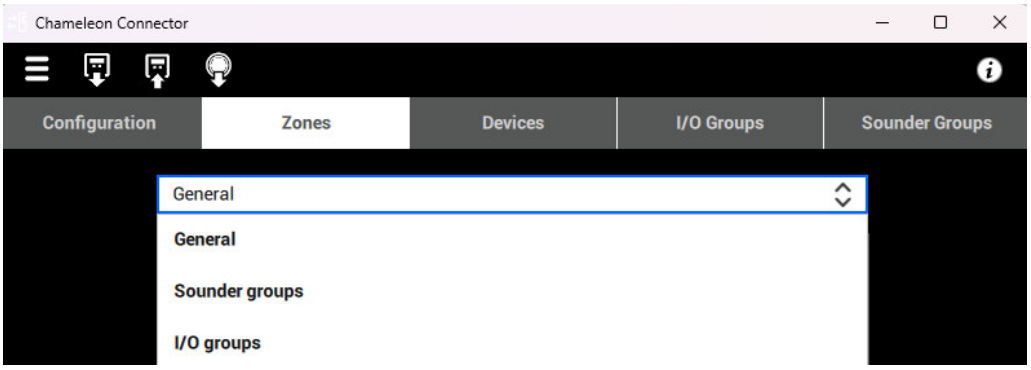
All input fields in this tab refer to installation-wide configuration means that the configuration settings entered in this tab apply to the entire installation, rather than just a specific device or component. This tab is typically used to set up global settings or system preferences that apply to all devices and components in the installation. For a complete and detailed description of each tab, please refer to the installation manual of the panel.


Configuration
Zones
Devices
I/O Groups
Sounder Groups
General
Company name
Panel language
ENGLISH
Flashing LEDs
OFF
Inputs/Outputs
Select fault I/O group
Select disable I/O group
Remote input 1
Evacuation
Remote input 2
Disable selected detectors
Aux relay 1
None
Aux relay 2
None
Sounders
Sounders on test activation
None
Sounders mode
Preset
Global behaviour week
Monday-Friday
Smoke & Heat
Saturday
Smoke & Heat
Sunday
Smoke & Heat
Global behaviour day/night
Day
Smoke & Heat
Night


Configuration
Zones
Devices
I/O Groups
Sounder Groups
Sounders mode
Preset
Global behaviour week
Monday-Friday
Smoke & Heat
Saturday
Smoke & Heat
Sunday
Smoke & Heat
Global behaviour day/night
Day
Smoke & Heat
Night
Smoke & Heat
Timers
Sunrise
Sunset
Aux Relay 1
Aux Relay 2
Delays
Delays at night
Unaffected
Immediate evacuate
On 2 devices
On call points
Extended delays
Evacuation delay
Disabled
I/O delay
Sounder delay
Disabled
Callpoints

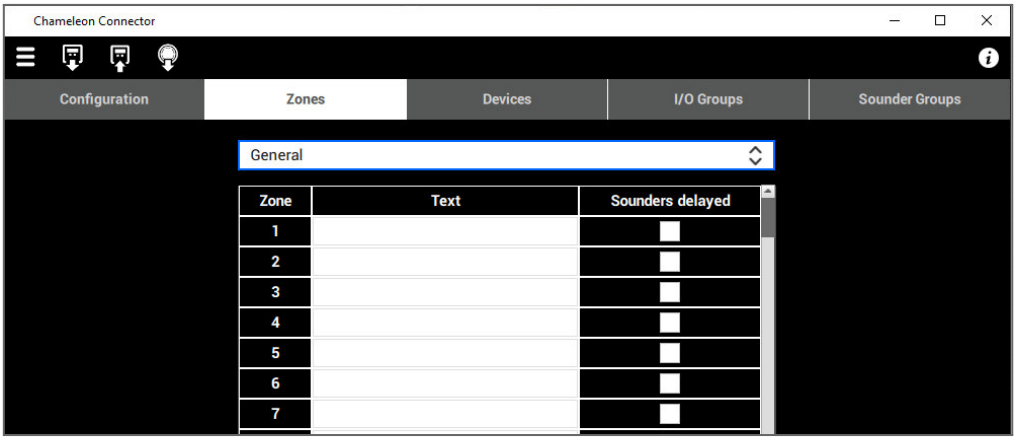
ZONES TAB

The Zones tab provides access to all zone-related configurations. The configurations are organized into three groups: General, Sounder groups, and I/O groups. You can select the desired group by using the provided spinbox, as shown in the image below..



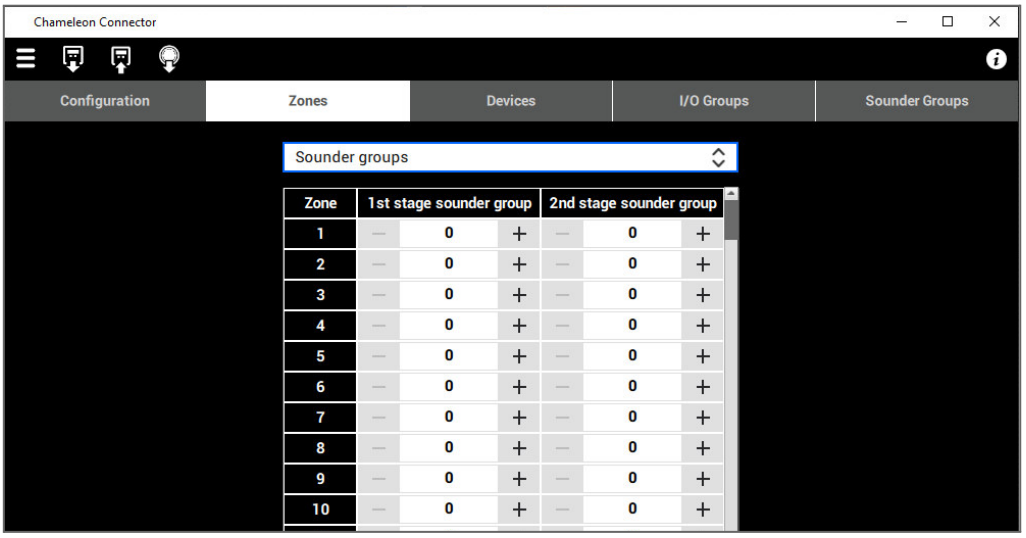
General

This section enables the user to assign a name to each zone and choose whether the zone's sounder groups should be delayed or not. The user can select the desired zones by ticking the corresponding checkbox.



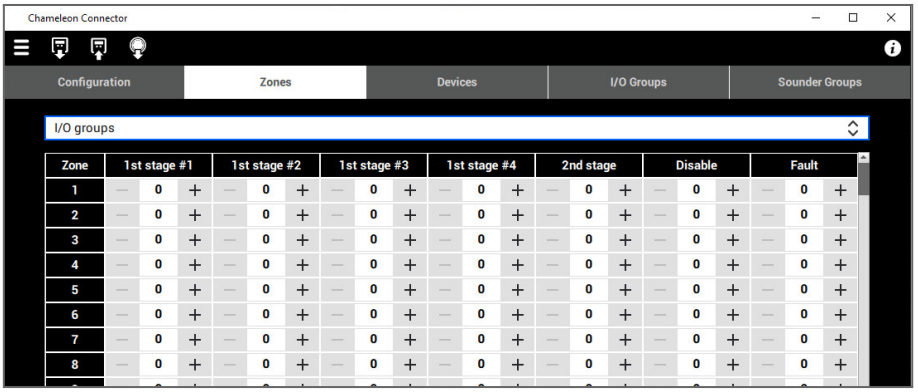
Sounder groups

In this section, the user can define the first stage (1st alarm) and second stage (2nd alarm) sounder groups for each zone. Example: The 1st stage sounder group is usually a warning or alert signal, while the 2nd stage sounder group is typically a more urgent or evacuation signal.



I/O groups

In this section, the user can configure all I/O groups for each zone. Up to four 1st stage, one 2nd stage Disable and Fault I/O groups can be set for each zone.

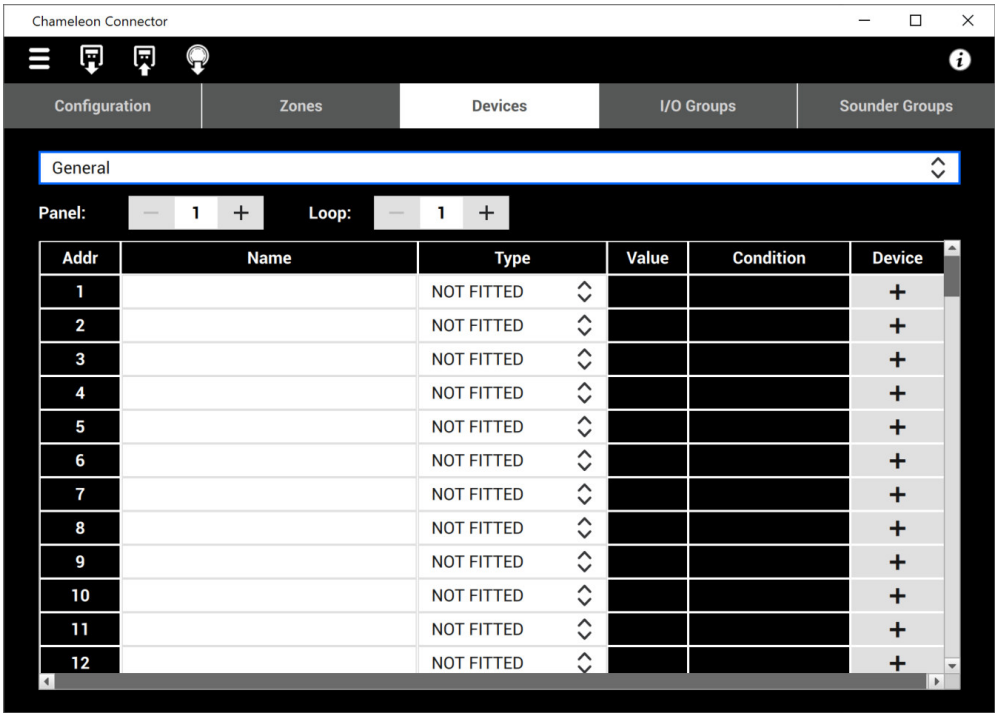


DEVICES TAB

This Tab holds all of the device specific configurations available.
The drop down box allows the user to switch between the different configuration views:

General

List of devices with the basic device info.



The user can configure the device name and type, but it is for informative purposes only. The device's value, condition, and type can be obtained from the panel by pressing the "Get Device Data" button on the toolbar (please refer to the "Get Devices Data" section). Clicking on the plus (+) sign will open the Device view for the selected device.

Effect group activation

This is a list of devices and their respective configurations for activating effect groups, including the Zone, Sounder Group, and I/O Group:

- Zone: The zone to which the device is assigned for effect activation.
- Sounder Group: The sounder group that the device is a part of for effect activation. This can be the 1st stage or 2nd stage sounder group or a particular group.
- I/O Group: The I/O group that the device is assigned to for effect activation. This can be a 1st stage, 2nd stage, Disable, or Fault I/O group or a particular group.

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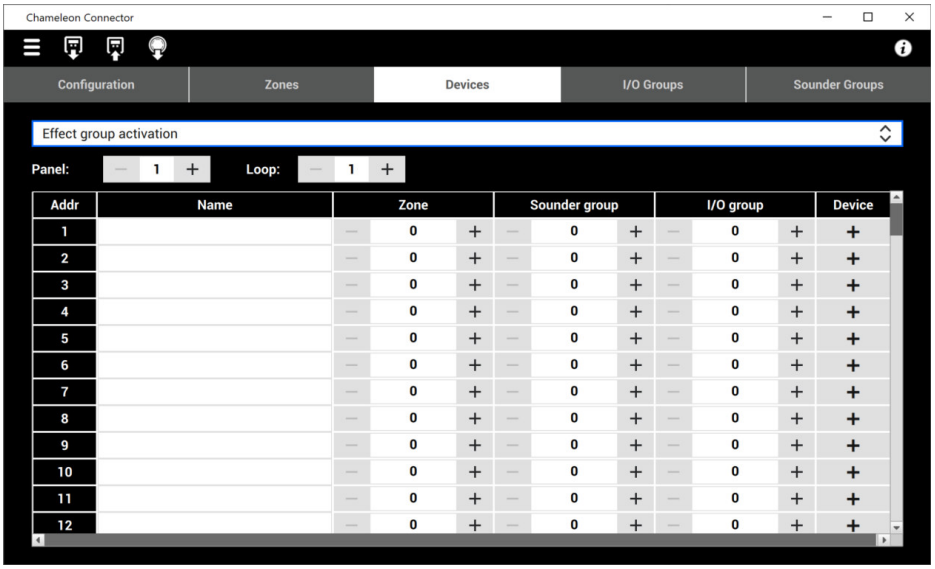
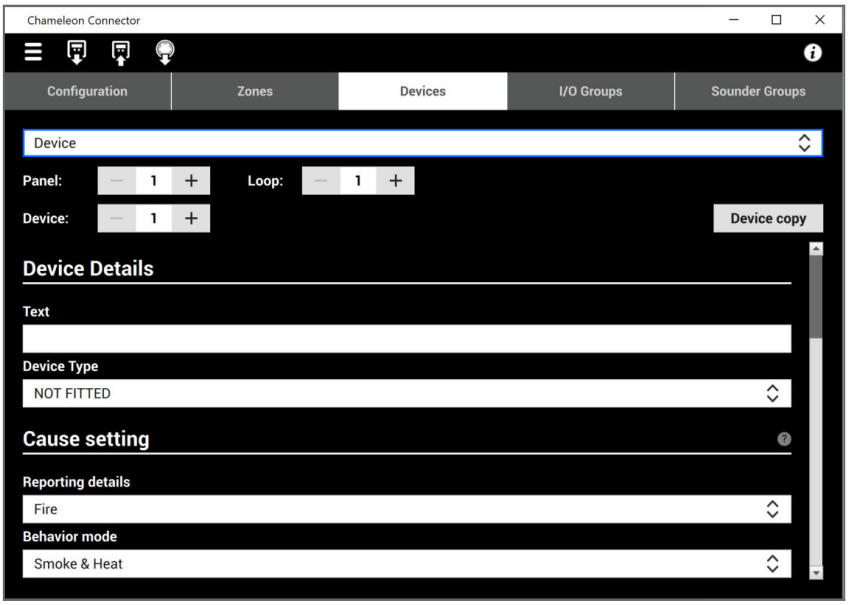


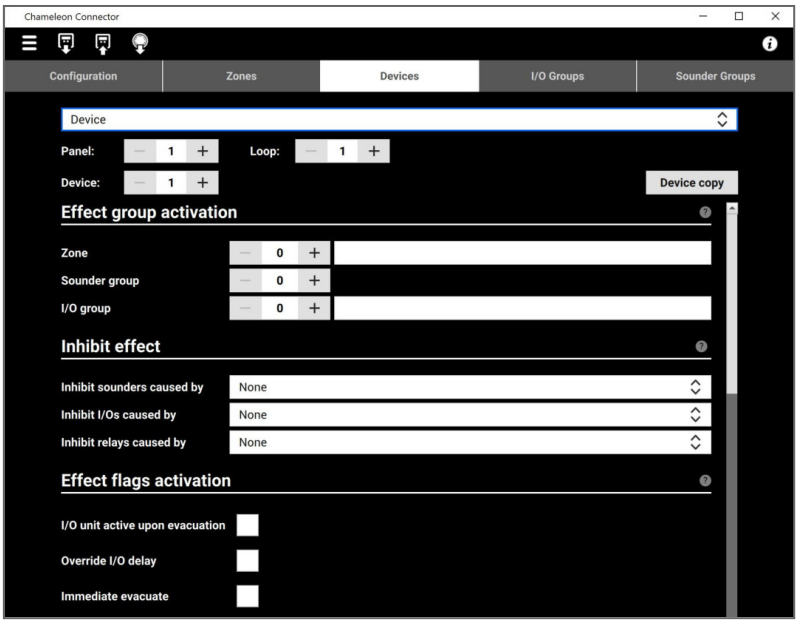
Each device can be configured with these parameters to determine how it will participate in the activation of effect groups On this view, the user can configure which Zone, Sounder group or I/O group each device will trigger.

Device

This section allows for the configuration of specific settings for individual devices. Here, users can set values, conditions, and types for each device. These settings can be obtained from the panel by using the Get Device Data button on the toolbar, as described in the Get Devices Data section. Additionally, clicking on the plus (+) sign will open the Device view for the selected device.

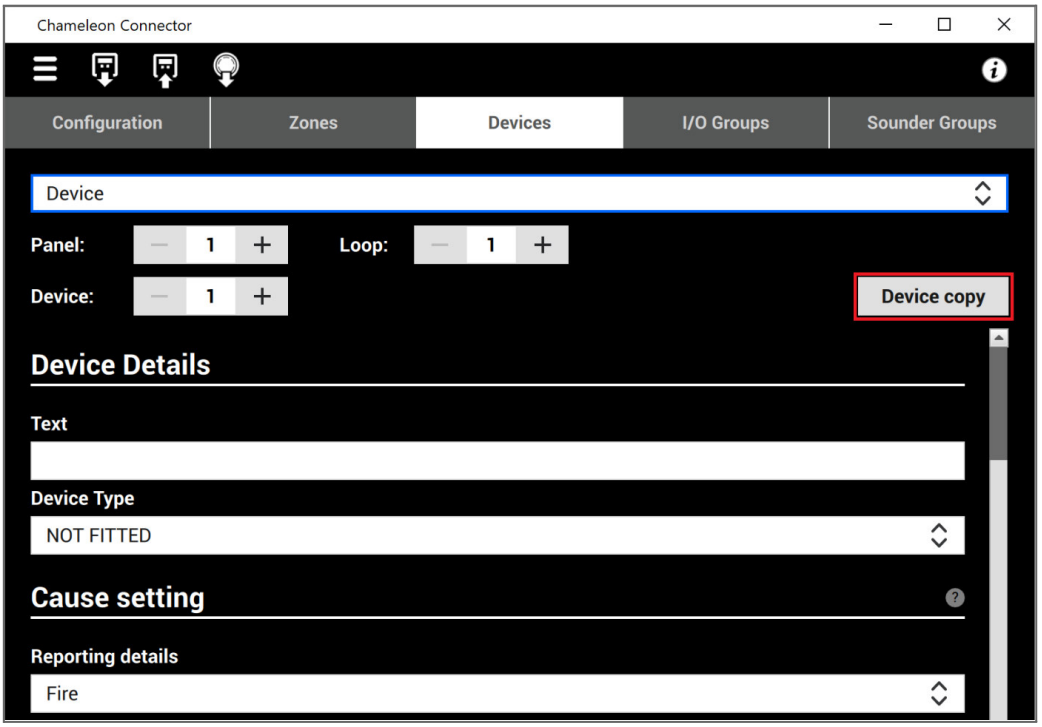


This view provides a way for the user to configure device-specific settings, including device details, cause settings, effect group activation, inhibit effect, and effect flag activation.



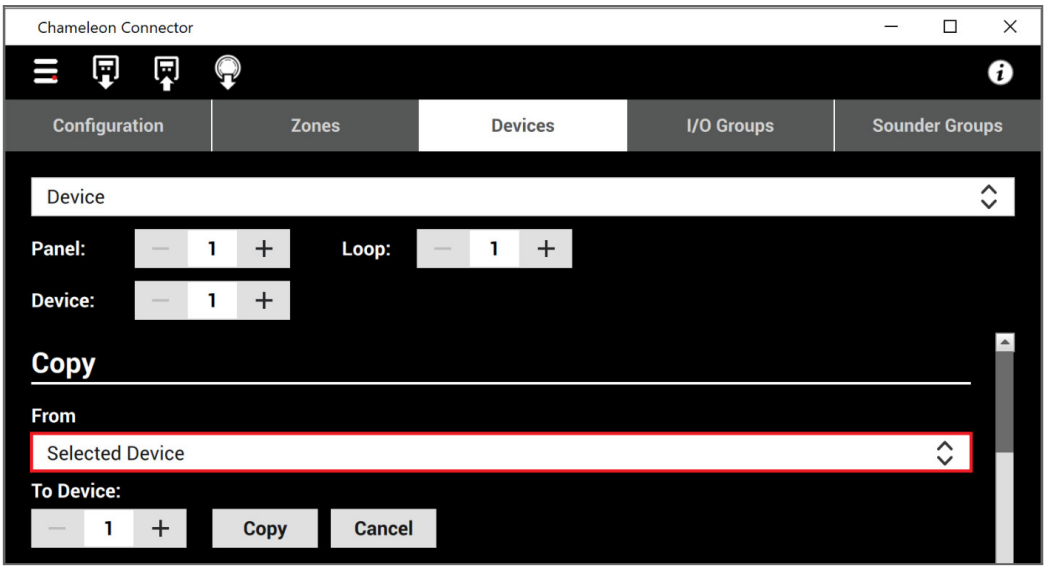
Device Copy

This view provides the option to copy information from one or multiple devices. To access this feature, click on the "Device copy" button, which will reveal the Copy section.

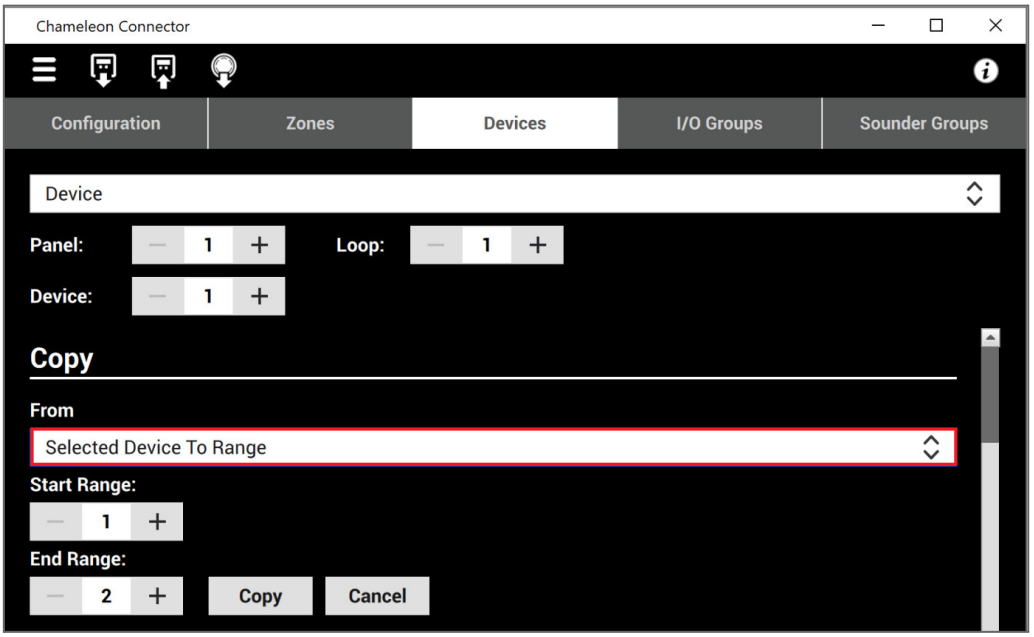


The drop-down menu in the Copy section allows the user to select several copy depths ranges.

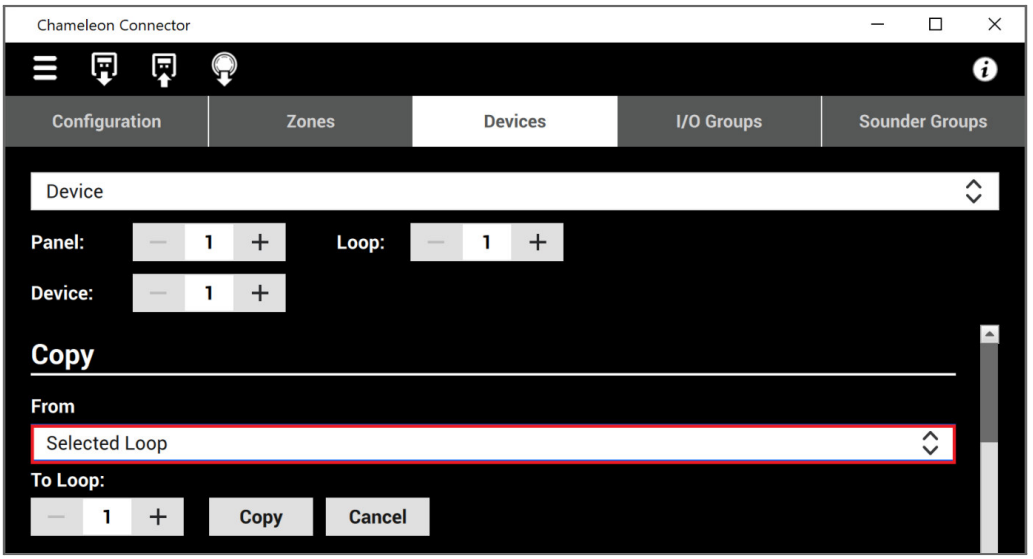
The "Selected Device" option in the Copy section of the Device view allows the user to copy information from the currently selected device to another device within the same loop and panel. To use this option, the user needs to select the device they want to copy the information to from the "To Device" spinbox and then click on the "Copy" button. This will transfer the relevant device information to the selected device.



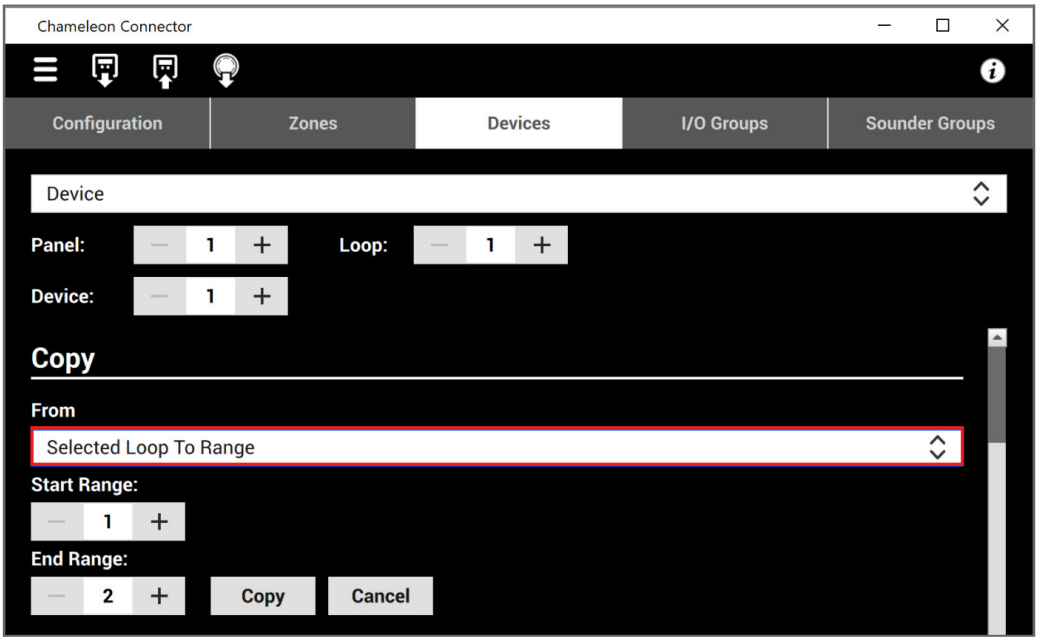
The Selected Device To Range option enables the user to copy information from the selected device to a range of devices within the same loop and panel. To use this feature, the user needs to set the start and end range spinboxes and select the devices in the desired range. The data from the selected device will be copied sequentially from the start range to the end range.



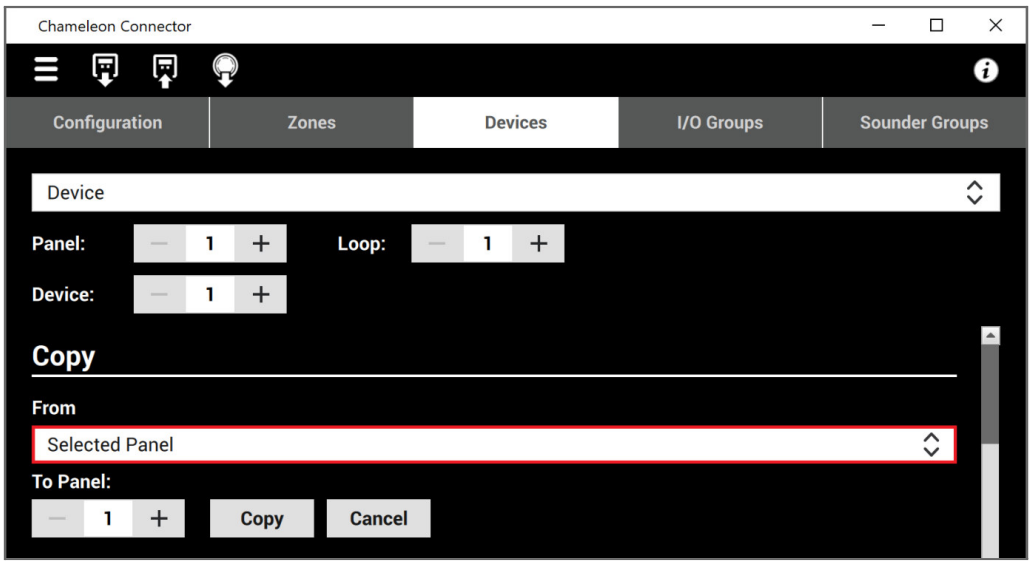
Selected Loop this option enables the user to copy information from the selected loop to another loop within the same panel. To accomplish this, the user should select the desired loop to which the information will be copied in the “To Loop:” spinbox, and then click on the “Copy” button. All device data from the selected loop will be copied to the loop set in the “To Loop:” spinbox.



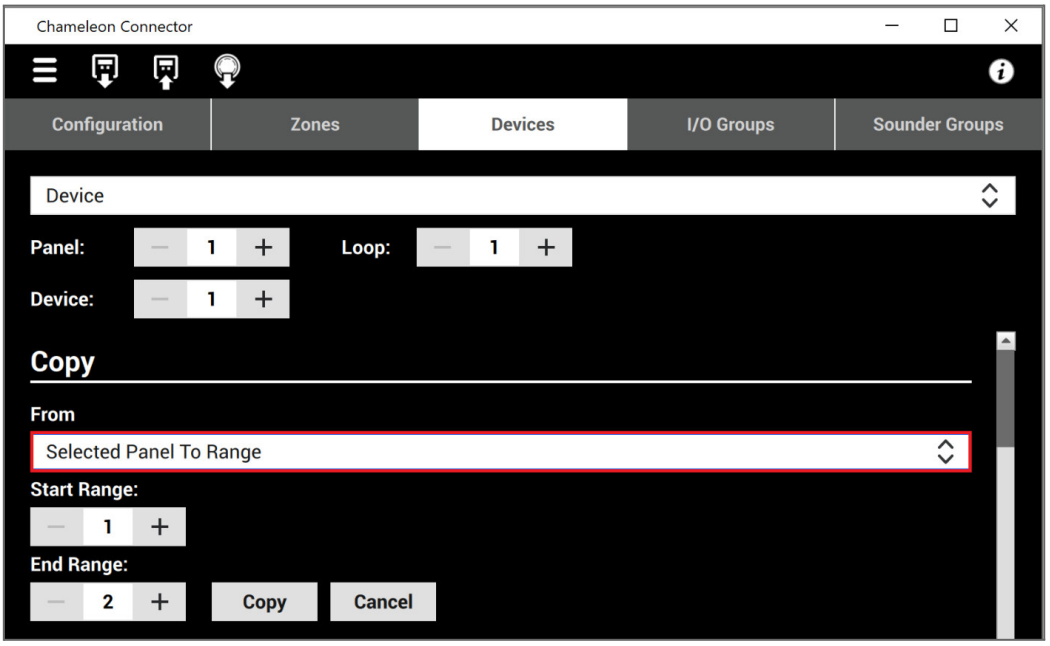
In the "Selected Loop To Range" option, the user can copy information from the selected loop to a range of loops within the same panel. To use this feature, set the "Start Range" and "End Range" spinboxes to select the range of loops to copy the information to. The data from the selected loop will be copied sequentially from the start range to the end range.



Selected panel this option allows the user to copy information from the selected panel to another panel within the same network. By selecting the desired panel to which the user wants to copy the information, in the "To Panel:" spinbox and clicking on the "Copy" button, all device's data from the selected panel will be copied to the panel set in the "To Panel:" spinbox.



The "Selected Panel to Range" option allows the user to copy information from the selected panel to a range of panels by setting the start and end range spinboxes. The data will be copied sequentially from the start range to the end range.

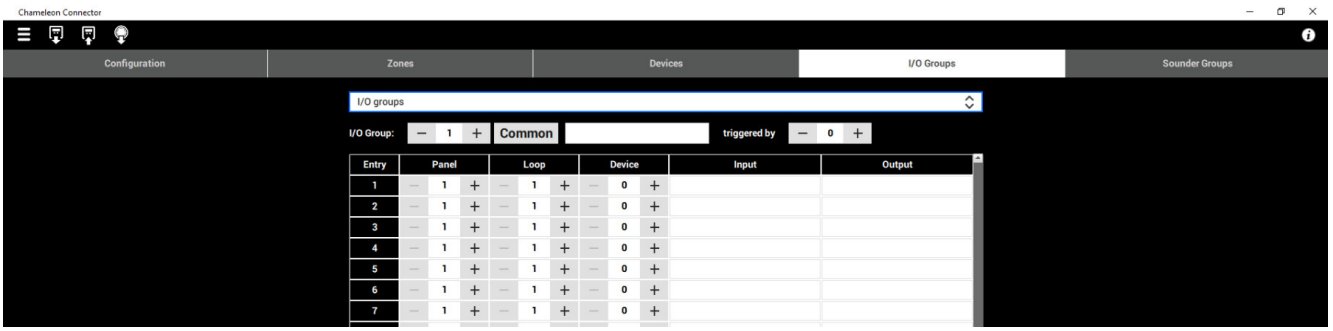


I/O GROUPS TAB

The I/O groups tab is where the user can set up the output groups for the panel. This tab contains 511 I/O groups, each with 32 entries, and an additional Common I/O group (512) with 256 entries.

To configure an entry, the user can set the panel, loop, and device checkboxes. The user can also set a name for the output on each entry for easier identification. It's important to note that the input text shown on this tab is only for informational purposes, and can only be edited on the Devices tab under the Device Details section.

The user can also set a name for each I/O group, which will be displayed on this tab for easier identification. This allows the user to organize and manage the I/O groups according to their needs.



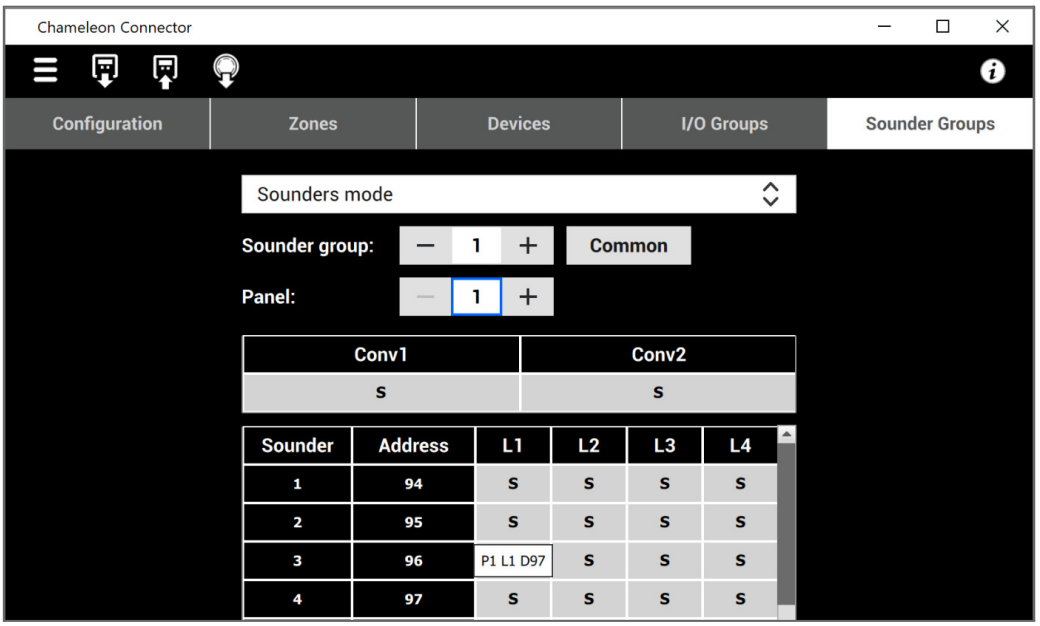
Trigger by feature:

One IO group can trigger another group or several groups. On the other hand, an IO group can only have another IO group as a trigger. This can be better seen in the following flowchart.

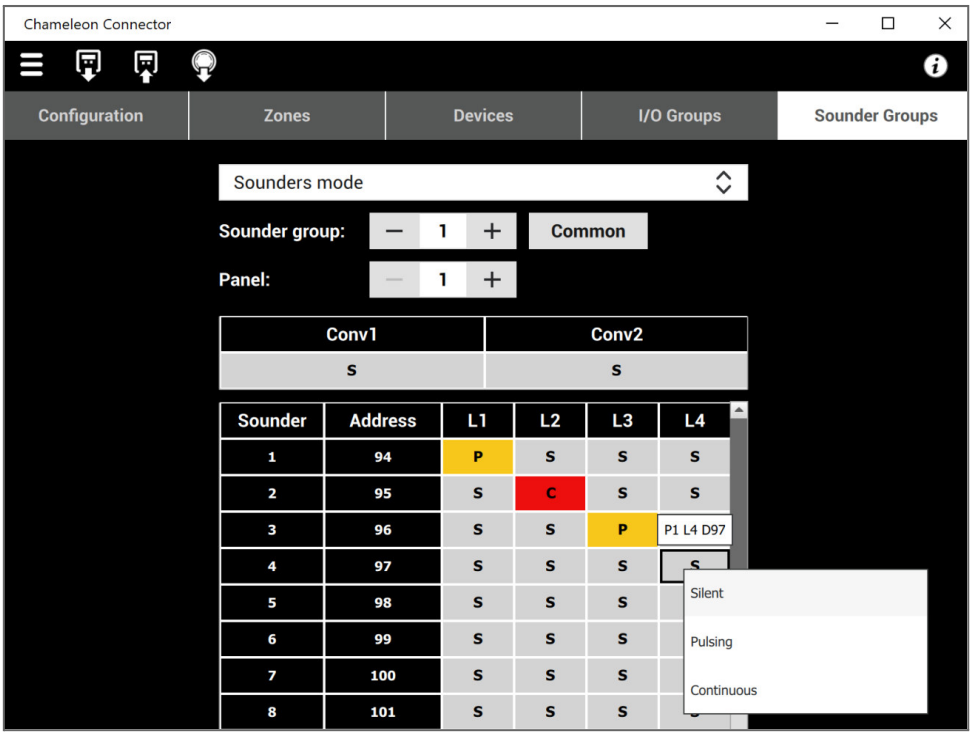
The triggering group of the source group is stored in the triggered group. For example, if groups 2, 3, and 4 are chained to group 1, then when group 1 is triggered, all other three groups will also be activated. To perform the chaining, it is necessary to access Menu 0-2 and fill in "Group 2 triggered by Group 1"; "Group 3 triggered by Group 1" and "Group 4 triggered by Group 1". It is noticed that there is no chain to follow with the activation of group 2, only from Group 1. Refer to the panels manual for more details.

SOUNDERS TAB

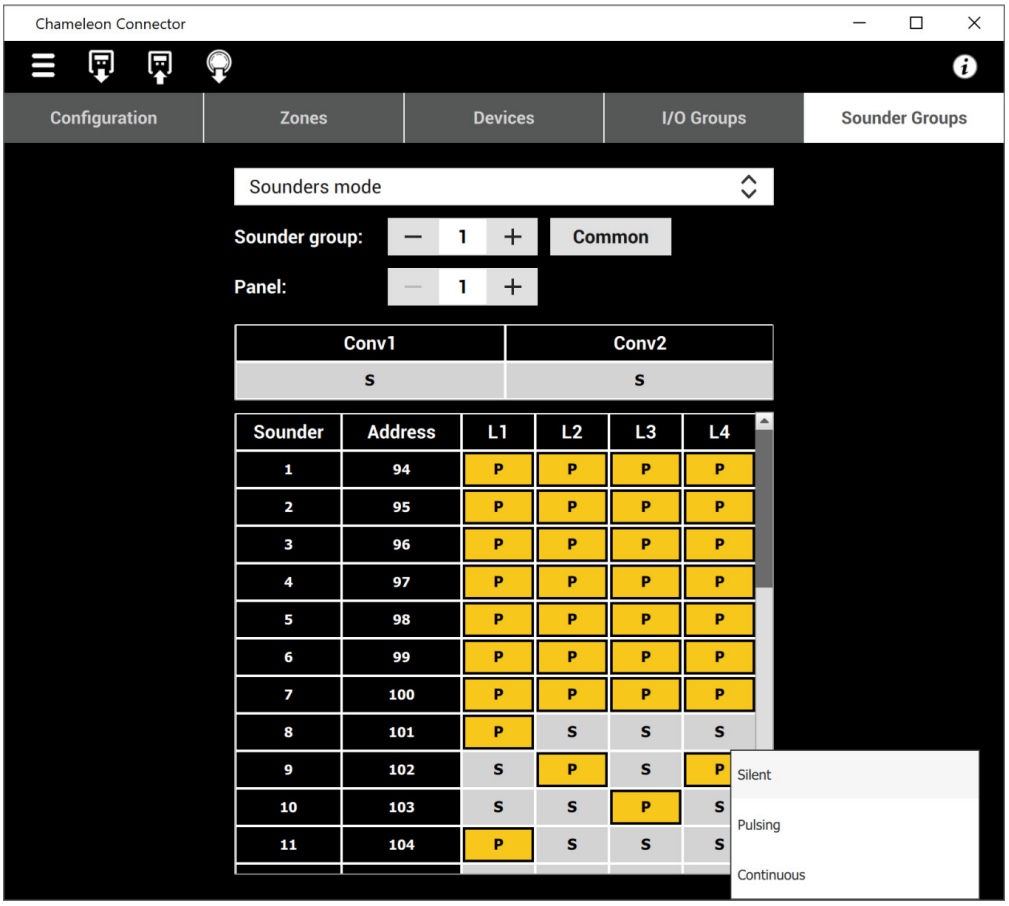
In the Sounders tab, the user can configure the behavior of the sounder groups on each panel by selecting the Sounder group and Panel number using the respective checkboxes. The panel provides 512 sounder groups, where the user can configure the addressable sounders and conventional sounders. Note that sounder groups configured on this tab will only activate if they are assigned to an effect group on the Devices tab or assign to Zones.



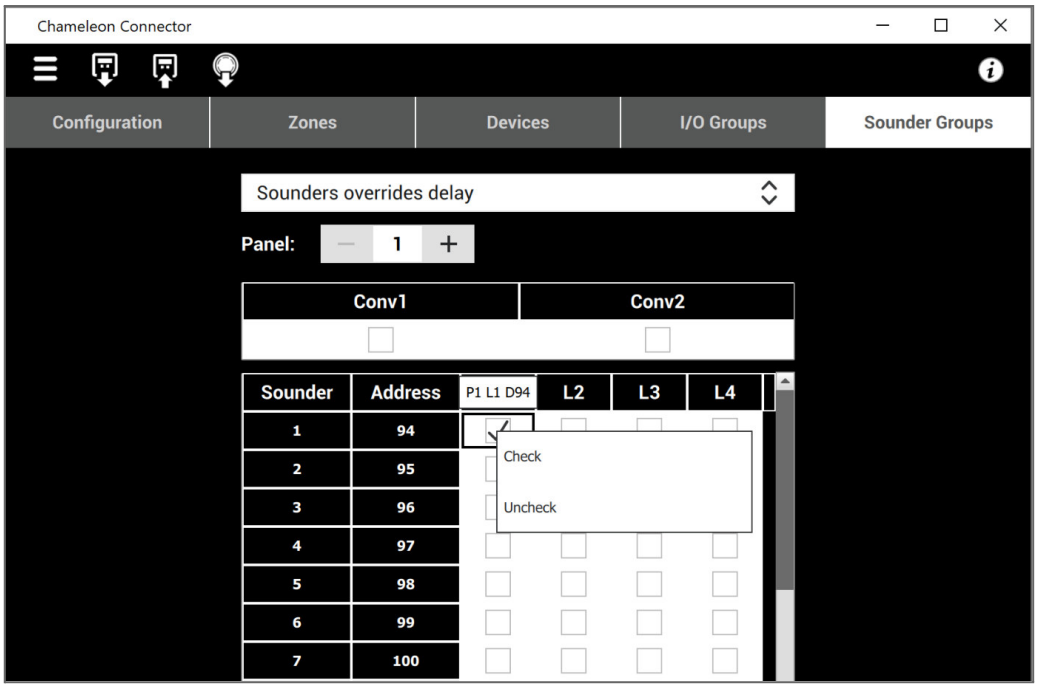
The Sounders Tab allows the user to program the behavior of each sounder in the specified sounder group. The user can choose to configure each sounder to operate in Silent, Pulsing, or Continuous mode by clicking on the respective box in the Programmed Sounders table. The user can also right-click on a sounder box to open a pop-up menu and cycle through the available options. The Silent mode means that the sounder will not produce any audible alarm signals, but the visual alarm will still be activated. The Pulsing mode means that the sounder will produce short, intermittent alarm signals, while the Continuous mode means that the sounder will produce a continuous alarm signal until it is reset.



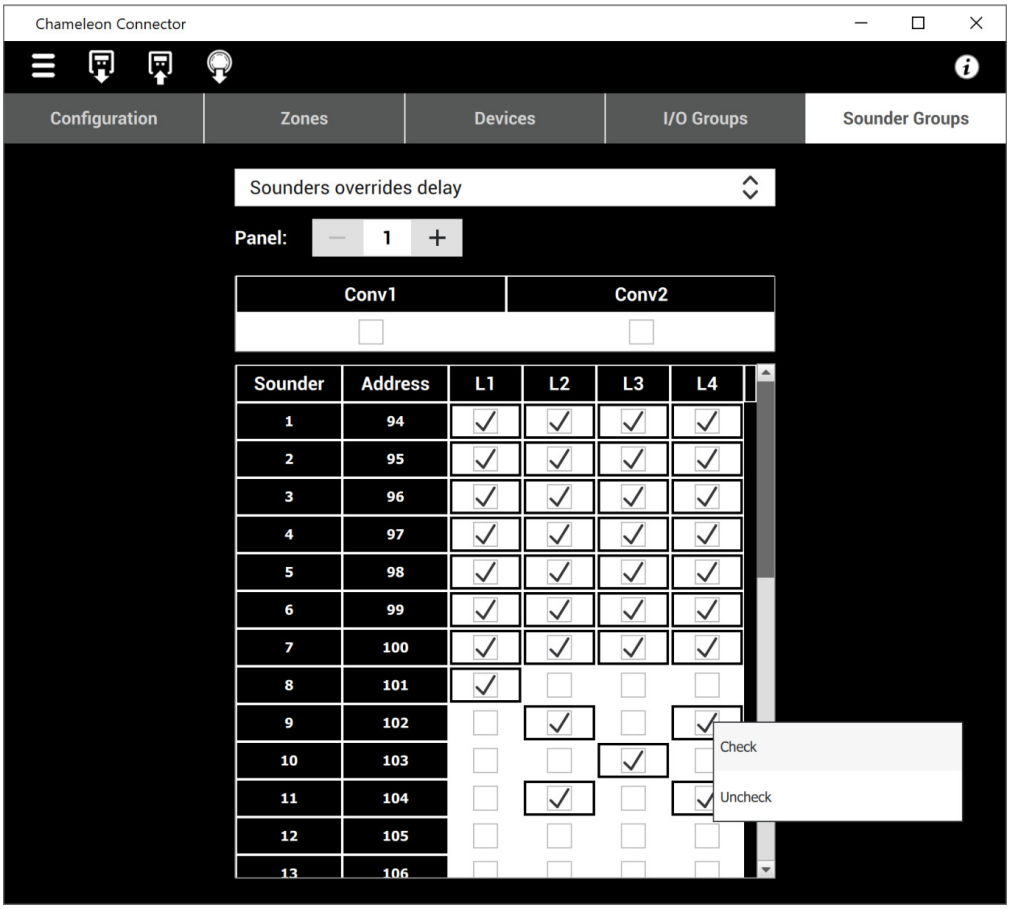
The Sounders Tab offers the convenience of selecting multiple sounders to configure by using keyboard shortcuts. To select sounders sequentially, use SHIFT+LEFT MOUSE BUTTON. To select sounders individually, use CTRL+LEFT MOUSE BUTTON. This feature enables the user to configure multiple sounders with the same settings quickly. To deselect previously selected sounders, simply press the ESC button.



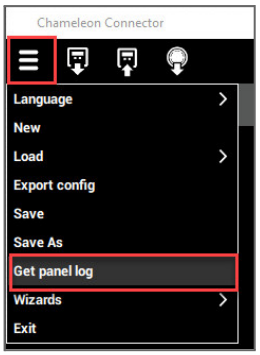
The delay override configuration is available for each sounder and can be done using the corresponding checkbox. The user can either click on the box to toggle it or use the right mouse button to open a pop-up menu and select either 'Normal' (unchecked) or 'Overridden' (checked) for the delay override setting. This feature allows the user to override the default sounder delay setting for specific sounders as needed.



To configure multiple delay override checkboxes, the user can use either SHIFT+LEFT MOUSE BUTTON for sequential selection or CTRL+LEFT MOUSE BUTTON for individual selection. This feature allows the user to quickly configure multiple sounders for delay override without having to manually toggle each checkbox.

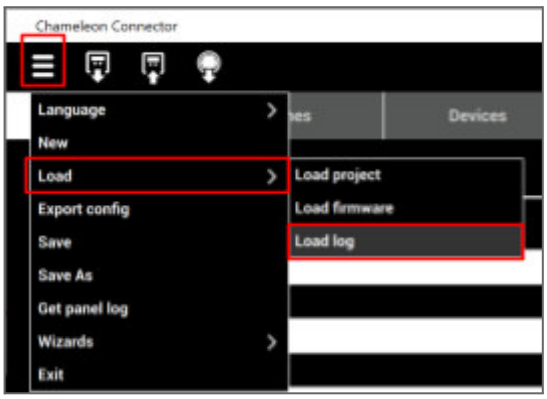


EVENT LOG TAB



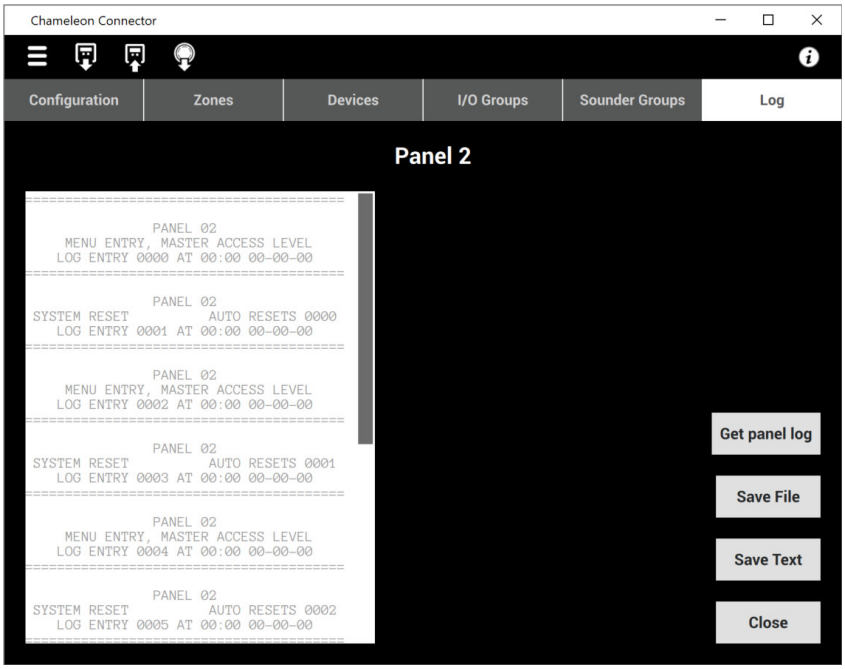
The Get panel log tab allows the user to download a log from a panel, the user must connect the panel to their computer via a USB cable and ensure that the installer code is inserted.

Once a log has been downloaded or opened, the user can view it in the Log Viewer tab.



To load a previously saved log file, navigate to the MENU and select "Load" followed by "Load log". This will open a file selection dialog where you can locate and select the log file you want to load. Once the file is selected, click the "Open" button to load the log data into the program.

Note that the file format must be compatible with the program in order to load successfully. If the file is in an incompatible format or corrupted, the program may not be able to load it properly.



Once the log is loaded, the user can review the event log data, including the date and time of each event, the type of event, and any associated information. If desired, the user can save the log to a .log file by clicking the "Save File" button, or to a .txt file by clicking the "Save Text" button. This allows the user to archive or share the log with others for further analysis or troubleshooting.

WIZARDS

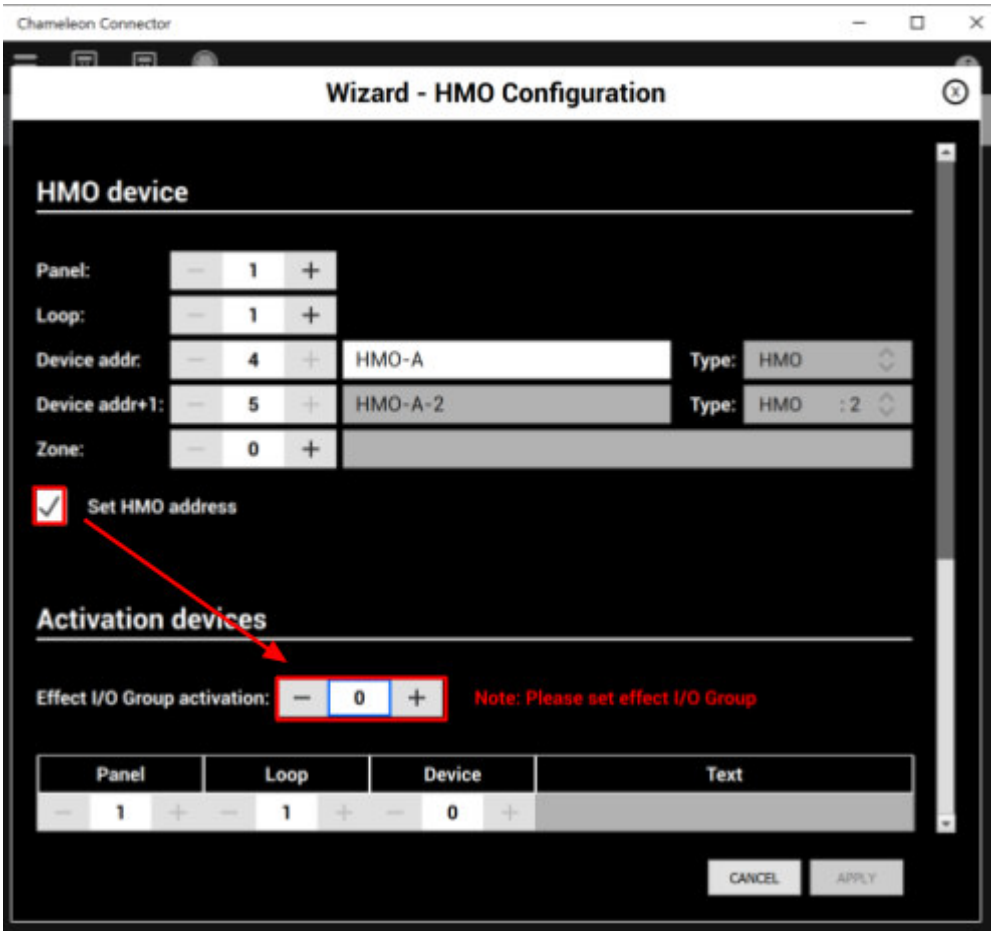
HMO CONFIGURATION

The HMO Configuration wizard is a tool designed to simplify the configuration of one or more HMO devices. By selecting MENU | Wizards | HMO Configuration, the user can access a step-by-step guide that will help them set up their HMO devices quickly and easily.

To configure HMO devices, follow these steps:

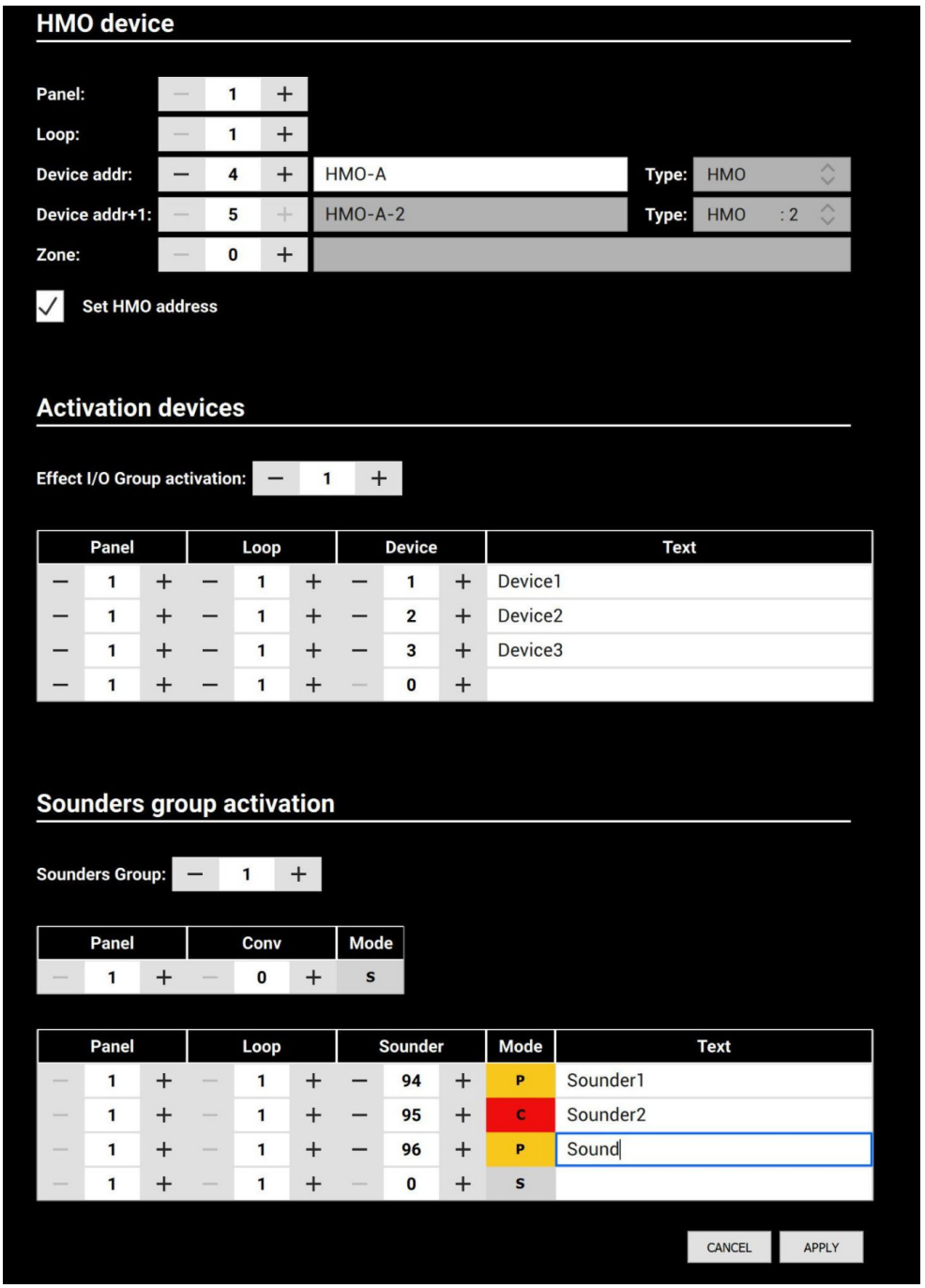
1. Set the Panel, Loop, and Device address spinboxes to the desired device.
2. Check the Set HMO address checkbox to configure the selected address as an HMO device. Note that an HMO device occupies two successive addresses.
3. To apply the minimum changes possible, set the Effect I/O Group activation on the respective spinbox.

By following these steps, you can easily configure one or more HMO devices.



When any of the values in the Effect I/O Group activation or Sounders Group spinboxes are changed, the tables will automatically update to display the devices of the corresponding Connector configuration. After configuring all the necessary parameters for the HMO device, the user can click the APPLY button to save and exit the configuration wizard. Alternatively, the user can continue configuring more HMO devices by setting new parameters in the Panel, Loop, and Device addr. spinboxes and repeating the previous steps. Clicking the CANCEL button will exit the wizard without saving any changes made.

***NOTE:** The dark gray form spaces are provided for informational purposes only and do not require user configuration. However, some of these form spaces become available for configuration when the "Set HMO address" checkbox is checked. This allows the user to set specific parameters for the HMO device at the selected address.*


HMO device
Panel: 1
Loop: 1
Device addr: 4 HMO-A Type: HMO
Device addr+1: 5 HMO-A-2 Type: HMO : 2
Zone: 0
Set HMO address
Activation devices
Effect I/O Group activation: 1
Panel Loop Device Text
1 1 1 Device1
1 1 2 Device2
1 1 3 Device3
1 1 0
Sounders group activation
Sounders Group: 1
Panel Conv Mode
1 0 S
Panel Loop Sounder Mode Text
1 1 94 P Sounder1
1 1 95 C Sounder2
1 1 96 P Sound
1 1 0 S
CANCEL
APPLY

FIRMWARE CONFIGURATION TAB

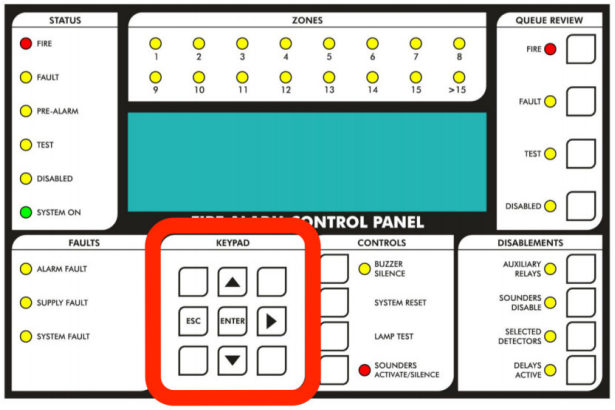
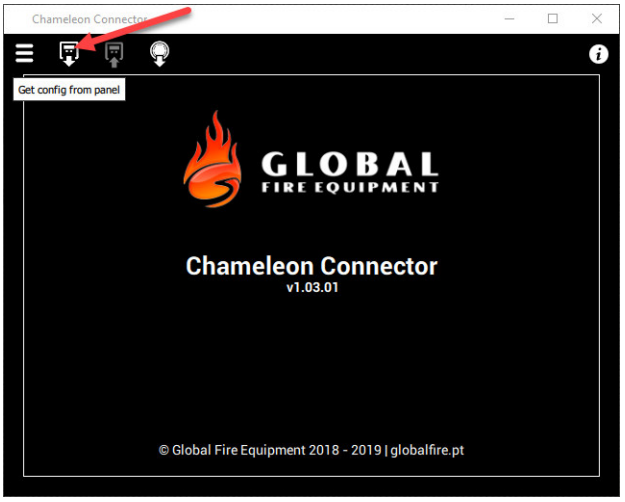
Welcome to the Chameleon Connector firmware update guide. This guide outlines the steps for updating the firmware of Chameleon panels, including OCTO+, NODE+, GEKKO, and CHAMELEON REP. It is important to follow the instructions carefully, and if necessary, contact Technical Support for assistance. Please note that only qualified technicians should perform this firmware procedure.

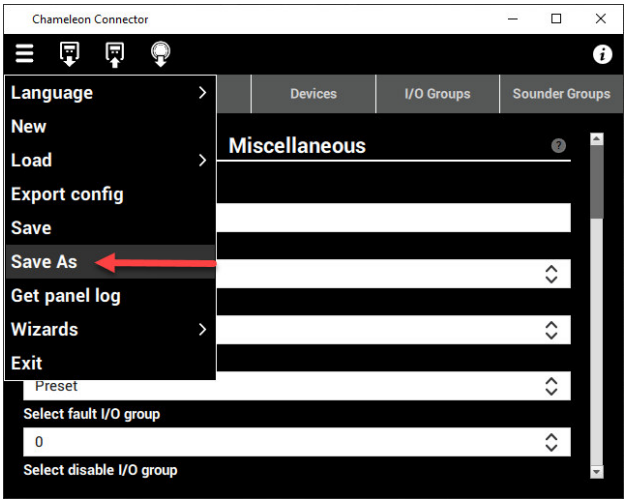
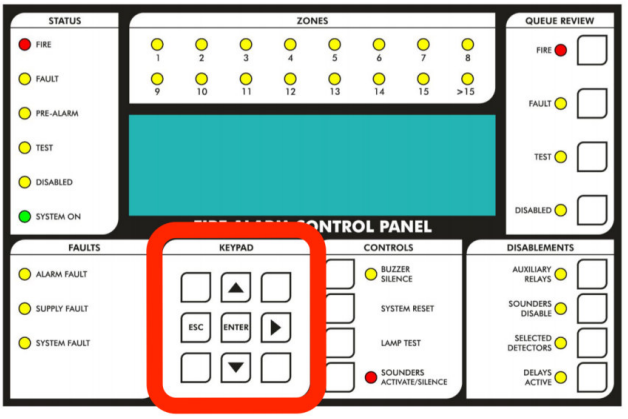
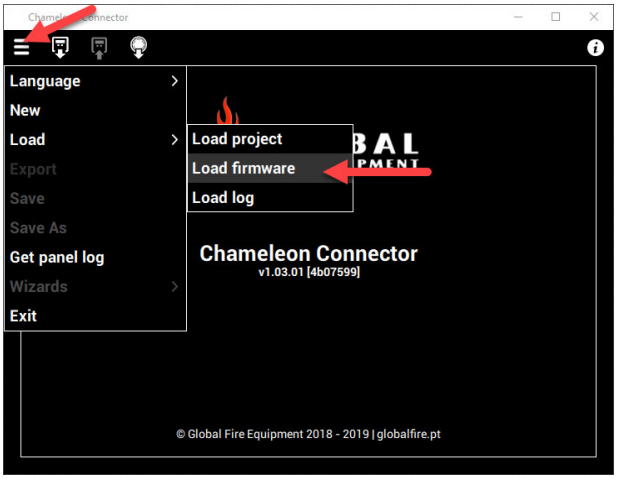
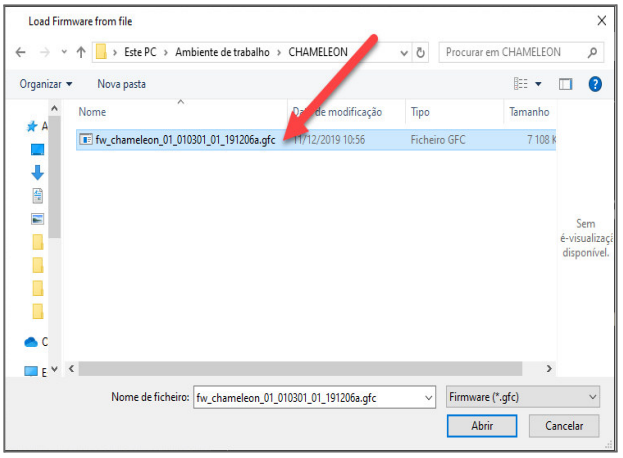
Before firmware upgrade:

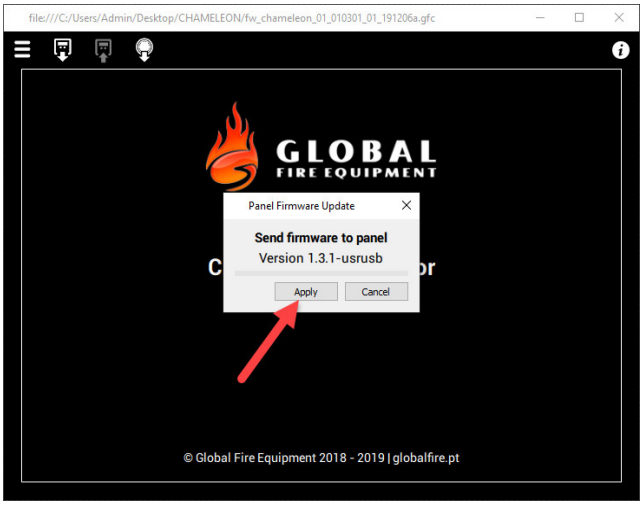
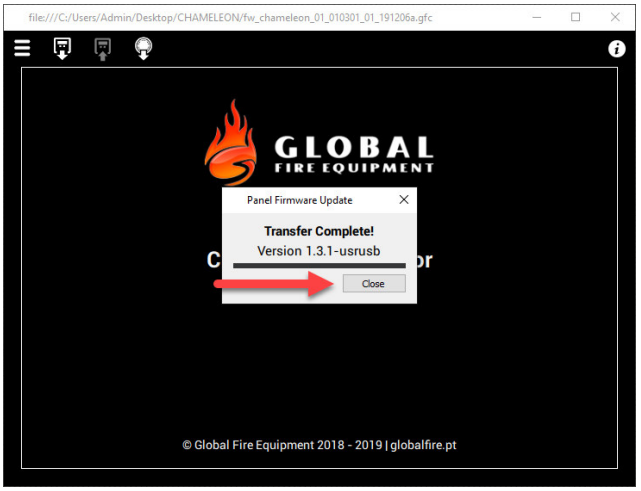
- Check if the usb cable is correctly connected between PC and PANEL
- Panel must be at Installer Access Level (or higher). Please enter the Installer code
- Panel must be in installation mode (menu 8-4-1)

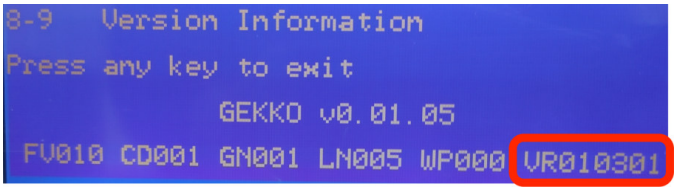
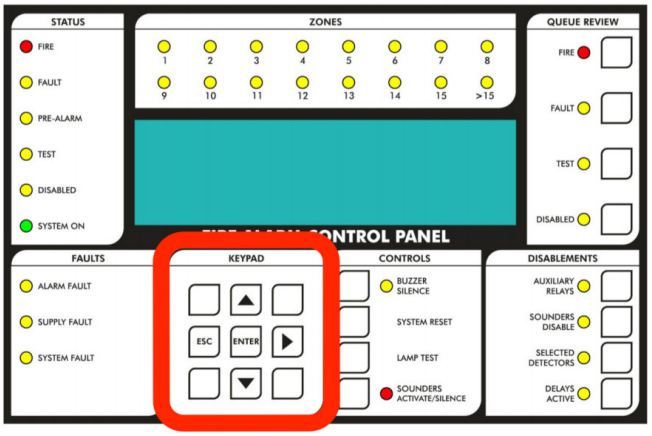
After successfully firmware upgrade

- Login to panel using master code and factory reset (menu 0-1-2) the panel.
- Execute clear NVRAM (menu 8-3-2).
- Power off panel, reconnect all network cables and power up again.
- Verify if the firmware has been correctly updated during startup screen or login to menu 8-9.
- Validate if the desired Project configuration file is correctly loaded into the panel.
- After 90 sec of power up check all devices are read on connected loops with count, type & correct AV value.
- Make 8-4-1 menu to active mode & test the panel by resetting.

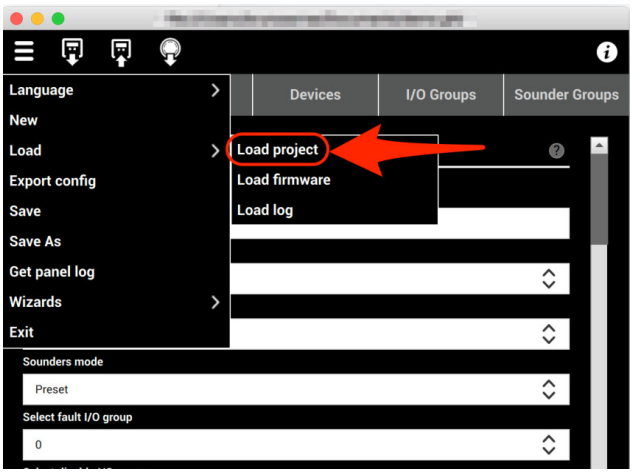
Step 1	Step 2
Introduce the INSTALLER CODE or above on the panel.	**Get Panel project configuration - backup** **Transfer config from panel to CHAMELEON CONNECTOR software.**
	

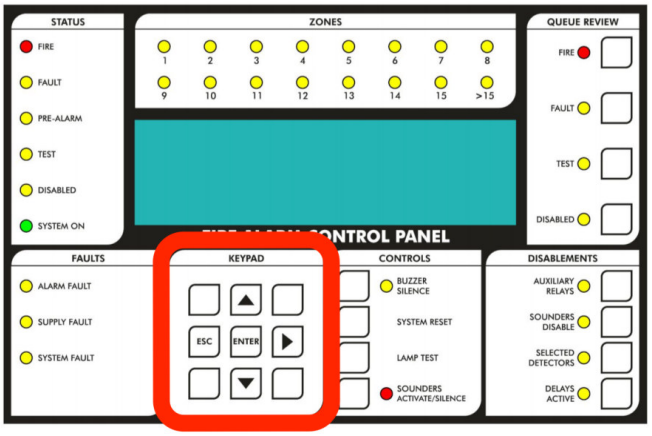
Step 3	Step 4
Save panel Project configuration file (.gfd) **Transfer config from panel to CHAMELEON CONNECTOR software.**  	**Double-check if INSTALLER CODE has been entered before start update firmware.** 
Step 5	**Step 6**
Go to: Menu » Load » Load firmware.  	**Select the new firmware file (.gfc) and press “Open”.** 

Step 7	Step 8
Press “Apply” to begin firmware update.  ***NOTE:*** ***Panels LEDs will flash intermittently during the firmware upload process.***	**After firmware is complete, click Close.**  ***NOTE:*** ***Panel will initialize/reset automatically.***

Step 9	Step 10
WAIT (maximum 10min) … ***NOTES:*** ***Panel might seem blocked for 5-10 minutes.*** ***Please wait and do not disconnect the panel.*** ***Panel will initialize/reset automatically in the end.*** **Verify on the panel the new firmware version (menu 8-9).**  **Clear NVRAM (menu 8-3-2).** Firmware update finished!	**Introduce the INSTALLER CODE before reload old Project configuration file.** 

Step 11	Step 12
Reload the saved Project configuration file (.gfd) **Go to: Menu » Load » Load project**	**Introduce the INSTALLER CODE** **or above on the panel.**



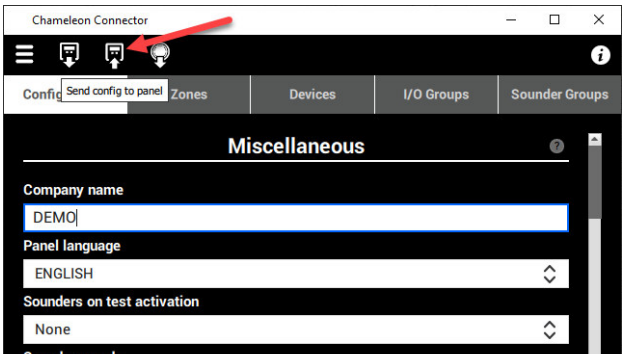


Step 13

Send Panel project configuration - reload.

Transfer config from
CHAMELEON CONNECTOR software to panel.

techs@globalfire-equipment.com



If you are unable to succeed with above steps then send below information to *techs@globalfire-equipment.com*

1. Send the existing panel firmware version menu 8-9
2. Chameleon Connector version no, Panel JOB no, Serial no, AOI, Tested or barcode located at panel motherboard.

Be very careful when changing these options as the panel may malfunction or stop working completely without giving any visual clue if the wrong options are selected!!!

For advanced users only.

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