LEADER^{MINI}

Simplified system for managing access control of a single gate.



LEADER^{MINI} has been designed for the management of real-time Access Control of a single gate.
It is the "brain" of the system and integrates the database, the operating logics and the user interface.
It is based on Freescale's i.MX6ULL Multimedia Applications Processor, a 528 MHz ARM® Cortex-A9®. The operating system installed is Linux - YOCTO Pyro - Linux kernel var-som-mx6ul 4.9.88.

It connects to the network via a wired Ethernet interface at 100 Mbps.

It can be powered via standard PoE, or 12V DC, optionally it can integrate a backup battery. It can be easily updated and can be remote assisted, making it particularly suitable for operation in geographically distributed installations connected via the internet.
It is equipped with three secondary 100 Mbps network interfaces, separate from the main one, which integrate the passive PoE APROMIX output (In order to properly power devices with this technology, the cable length must not exceed 10 meters.)
Optionally, as an alternative to each other, it can be equipped with:
- RS485 interface for the management of external devices (RERX or others)
-RS232 interface
-BLE interface

The user interface of the device is provided in the form of web pages. Using a standard browser (e.g. Chrome) from any PC, Tablet or Smartphone, it is possible to fully manage the settings parameters of the system and the integrated database (user data, terminal table, category authorizations, transit list, ... etc.).

The system is open to integration with third-party applications and documentation relating to the RESTful API and the MQTT Broker is available, subject to NDA agreement.

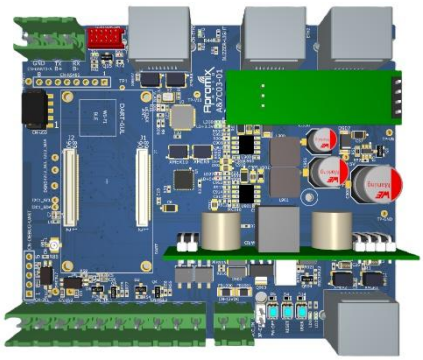
The DIN rail housing makes it easy to install and makes it particularly suitable for plugging into electrical cabinets.

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Technical features LEADER^{MINI} - A&7C03	
Power Supply	PoE standard 802.3.af 12 VDc (9 ÷ 23 VDc) Backup battery (optional)
Absorption	Imedia = 200 mA (depends on configuration and setup)
CPU	Freescale™ i.MX6 Family, based on ARM® Cortex-A9® processors: i.MX6ULL up to 528 MHz
Ram	256MB DDR3L on board
Flash	8GB eMMC soldered onboard expandable with internal MicroSD (optional connector)
S.O.	File System Linux - YOCTO - Pyro Linux kernel var-som-mx6ul 4.9.88
Networking	1 x 10/100 Ethernet Interface (Main) 3 10/100 Ethernet interfaces (secondary with APROMIX passive PoE out)
Interfaces	2 Relay Outputs (NO – NC – COM) 2 Optoisolated Inputs Serial TTL for Benincà/Rise/Myone automation connection 232 Internal TTL Debug Optional (alternatively): -RS485 galvanically isolated -RS232 -BLE interface
LED signals	PowerON LEDs, User info LEDs and diagnostics and signalling LEDs
Audio	Buzzer
Clock	Internal RTC with dedicated Backup Battery
Dimensions	DIN 6-module enclosure for mounting on DIN-35 profile 105 x 90 x 60 mm
Weight	185 gr.
Material	PVC
Color	Grey
Operating Temperature	0°C ÷ +70°C

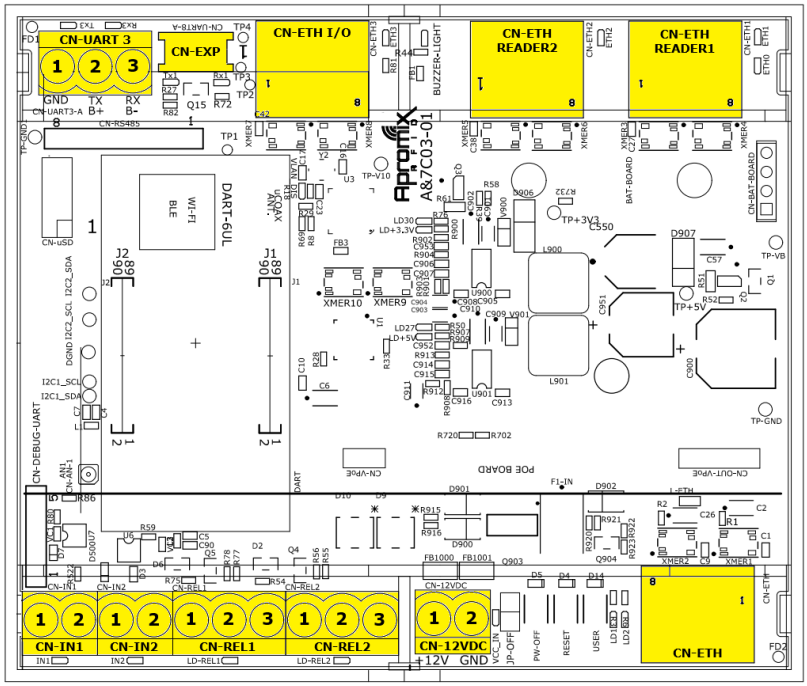


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Connections LEADERMINI – A&7C03



CN-ETH
1 RJ45 Ethernet Main
+ IEEE 802.3at PoE

CN-12VDC
1 +12Vdc
2 GND

CN-IN1
1 IN1
2 GND

CN-IN2
1 IN2
2 GND

CN-REL1
1 NO
2 NC
3 COM

CN-REL2
1 NO
2 NC
3 COM

CN-UART 3
1 GND
2 B+/TX
3 B - / RX

CN-EXP
1 Benincà Automations

CN-ETH READER1
1 Secondary RJ45 Ethernet for Reader 1
+ Passive PoE APROMIX out

CN-ETH READER2
1 Secondary RJ45 Ethernet for Reader 2
+ Passive PoE APROMIX out

CN-ETH I/O
1 Secondary Ethernet RJ45 for I/O Module
+ Passive PoE APROMIX out

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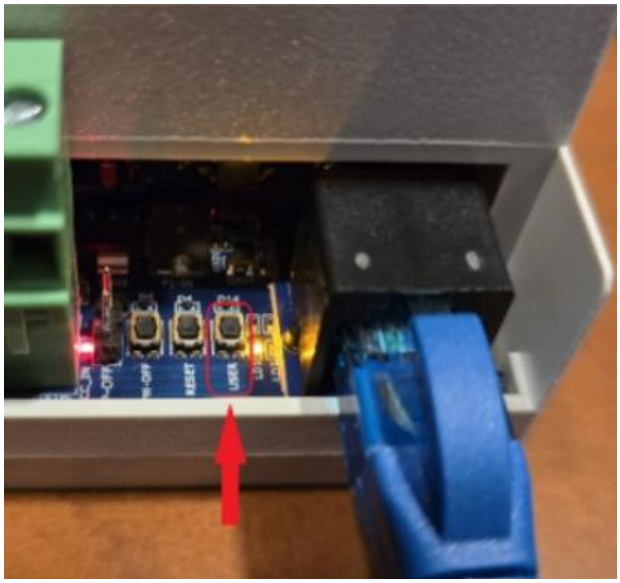
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Overall Appearance

The user interface of the LEADER^{MINI} device is provided in the form of web pages that can then be viewed using any browser. The user only needs to know the IP address of the LEADER^{MINI} concentrator to connect to it and be able to navigate safely among the data setting and display pages.

To identify the IP address of the LEADER^{MINI}, simply identify the User button, highlighted in the image.



The User button allows you to manage WebDiscover and network settings:
-short press sends the data to the web server (if the submission is successful, a confirmation jingle is played, otherwise, after a time-out time, an error jingle)
-long press, indicated by 5 short beeps plus a long one, alternatively sets address from DHCP (the last long beep has a low tone) or default IP address 192.168.99.1 (the last long beep has a tone equal to the previous 5).

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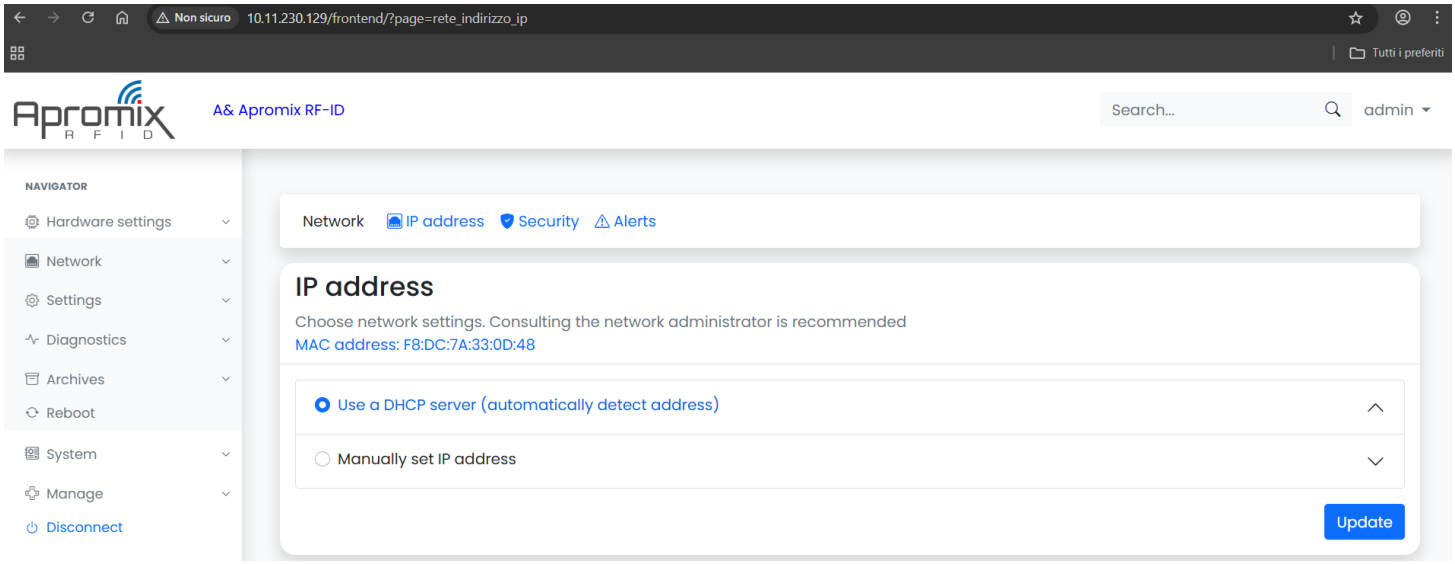
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SN. F8DC7A331314

MAC ADDRESS	F8:DC:7A:33:13:14
SERIAL NUMBER	F8DC7A331314
IP ADDRESS	10.11.230.123
NETMASK	255.255.255.0
GATEWAY	10.11.230.1
VERSION	LEADER MINI v1.0.1
LAST UPDATE	2025-05-29 17:45:23

By connecting to the address: https://discover.apromix.com/ a page will be displayed with information about the device, including the IP ADDRESS.
The data will be displayed automatically by connecting through a device belonging to the same network as the terminal within 5 minutes of activating the procedure (short press of the user key). Otherwise, in order to view the data, you will need to specify the MAC ADDRESS of the terminal which is shown on the product label.



The main menu options of the Primary Concentrator web interface are:

1. **Hardware Settings:**
    a. Network

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b. Settings
c. Diagnostic
d. Archives
e. Reboot

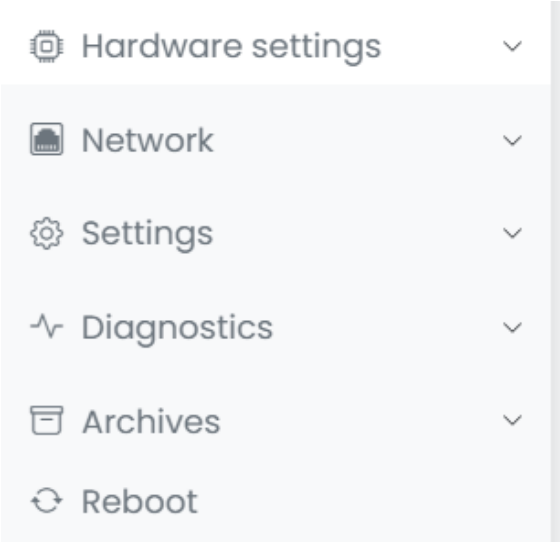
2. **System**
   a. Map
   b. Monitor
   c. Areas
   d. Servers
   e. Devices
   f. Groups
   g. Actions
   h. Reasons
   i. Special Dates
   j. Time ranges
   k. Categories
   l. Entity
   m. Authorizations
   n. Timers

3. **Management**
   a. Users
   b. Transactions

4. **Disconnect**

ADVANCED SETTINGS / CONFIGURATION

HARDWARE SETTINGS



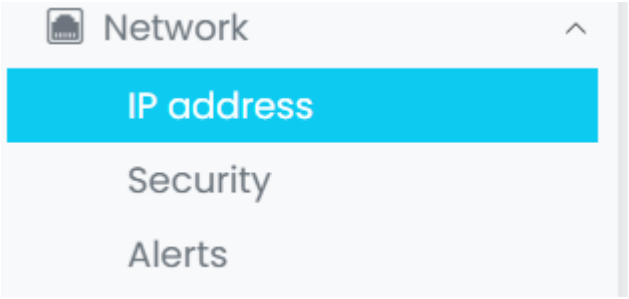
The first step in using the LEADER^{MINI} terminal is to configure the settings regarding the operation mode of the device.

The system part is divided into 5 categories:

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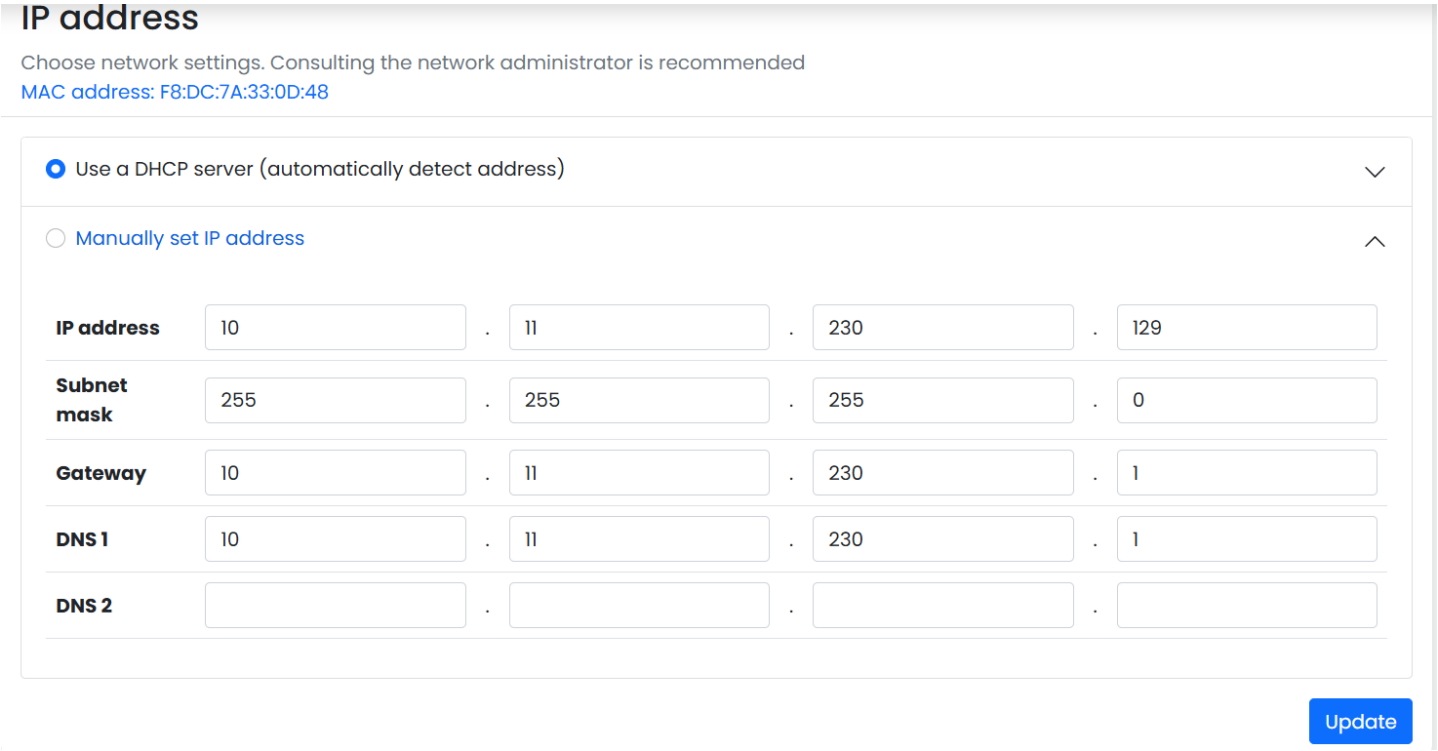
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NETWORK



this in turn is divided into 3 other subcategories and contains all the information regarding the network

IP address

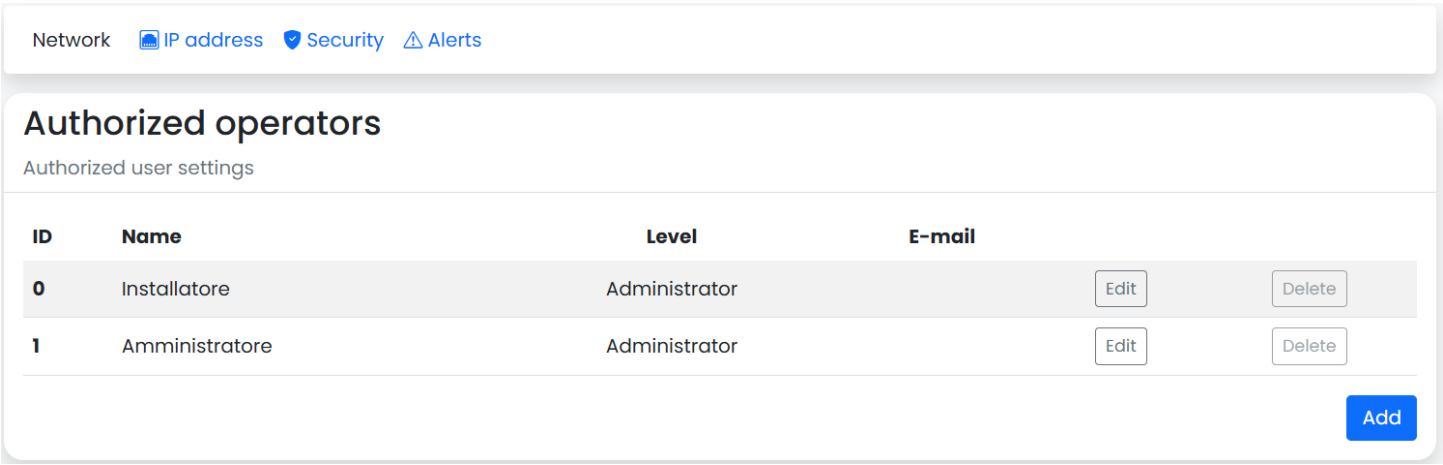


This section is dedicated to setting up the IP of the LEADER^{MINI}.
By setting **Use a DHCP server**, the device will receive the address from the DHCP server on your intranet. In order to be able to easily reserve an IP address for the concentrator in the DHCP server, the MAC Address of the LEADER^{MINI} concentrator is shown on this screen.
If you choose **Manually set IP address**, you will need to set the desired IP address, the Subnet Mask, the Gateway and the DNS.
By pressing update, the settings you have just entered will be saved.

SECURITY

This section defines the rules for accessing LEADER^{MINI} services, i.e. the way in which operators are recognised by the system at the time of login.

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There are mainly five levels of operators:

- **Level 1 (Administrator):**
  The operator has access to all menu items and can perform advanced system settings operations.

- **Level 2 (Manager):**
  The operator can only view the administration portion of the system.

- **Level 3 (Consultation):**
  The operator can only access the recorded transactions (view or export them), but is not enabled to edit or historicize.

- **Level 4 (External Applications):**
  It is used to automate external procedures, such as the Monitor 6300 program, which needs to acquire settings from the LEADER^{MINI} to simplify configuration for the user.

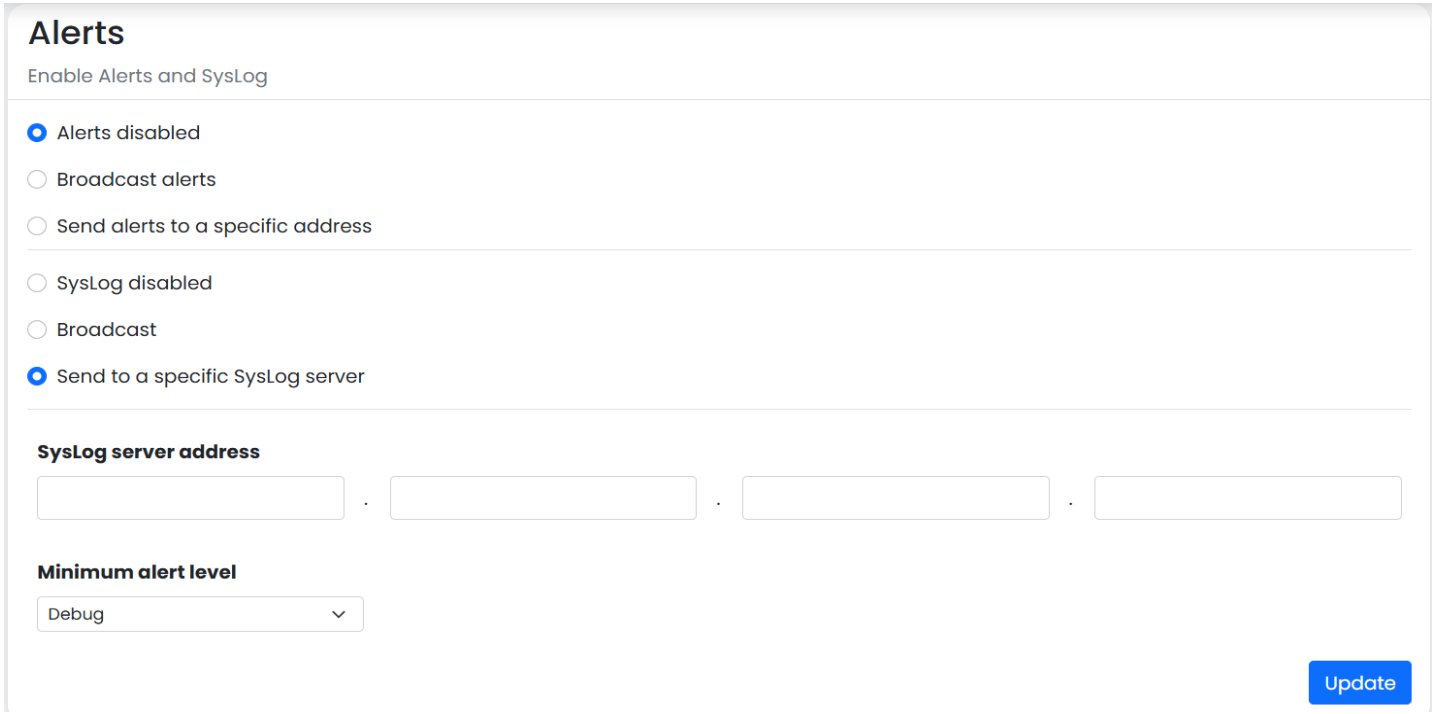
- **Level 5 (Viewer):**
  View only the list of users, with reference to the category and area currently occupied by each user.

With the Insert button you can enter the operators of the levels just mentioned.

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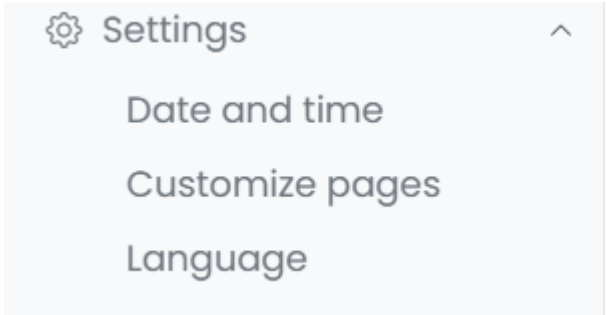
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ALERTS



LEADER^{MINI} has the ability to send messages via UDP every time a transaction is performed.
You can enable system log registration on one or more computers on the network. By selecting broadcast, the log will be sent to all PCs with an address and subnet mask compatible with those of the concentrator. If, on the other hand, you decide to send the log to a single computer, you will have to set the address of the machine on which they will be recorded. Also in this case, messages will be sent if and only if the IP address and subnet mask of the destination PC are compatible with those of the Concentrator. In order to use this service, a special syslog recording software called SysLogger must be installed on the target PC.

SETTINGS



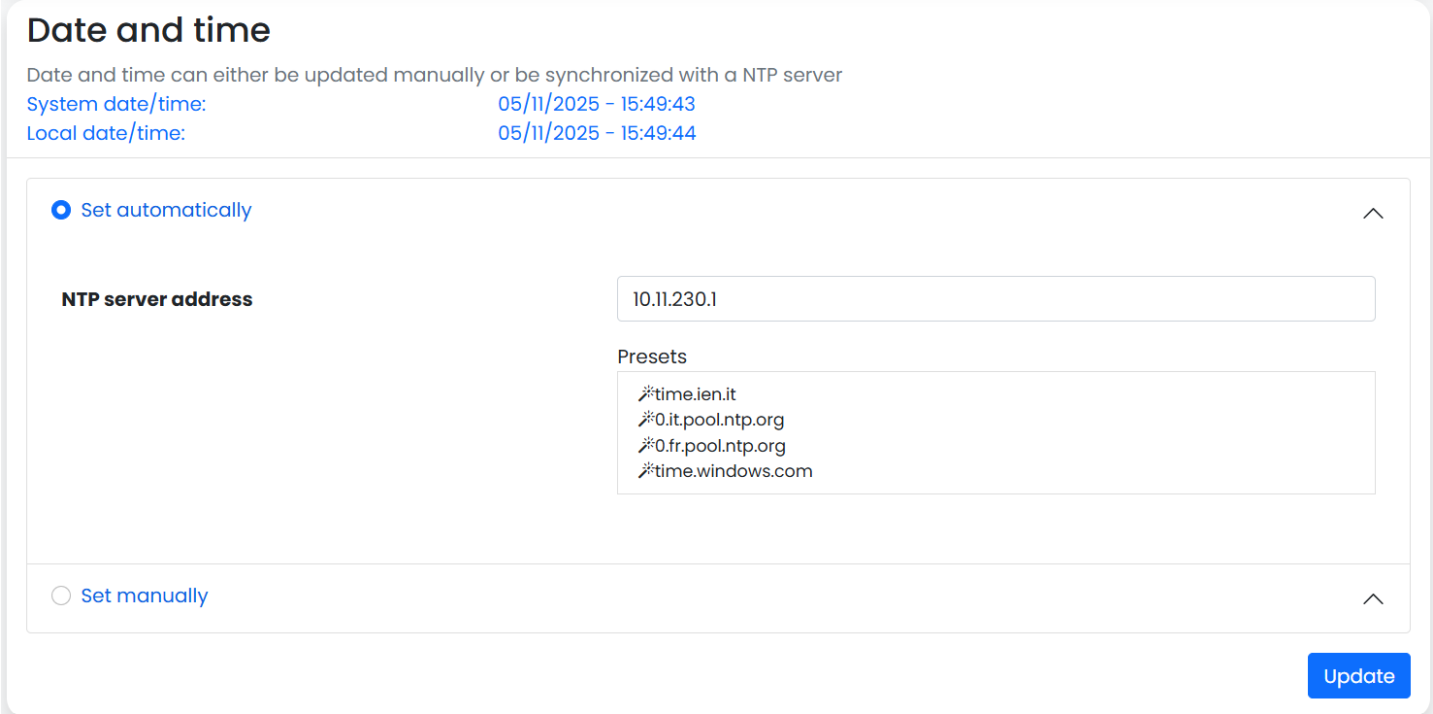
In the settings section you can customize the features of the system

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DATE AND TIME

Set automatically:
This option allows you to periodically request the time from the specified server by setting the IP or address of an SNTP server.

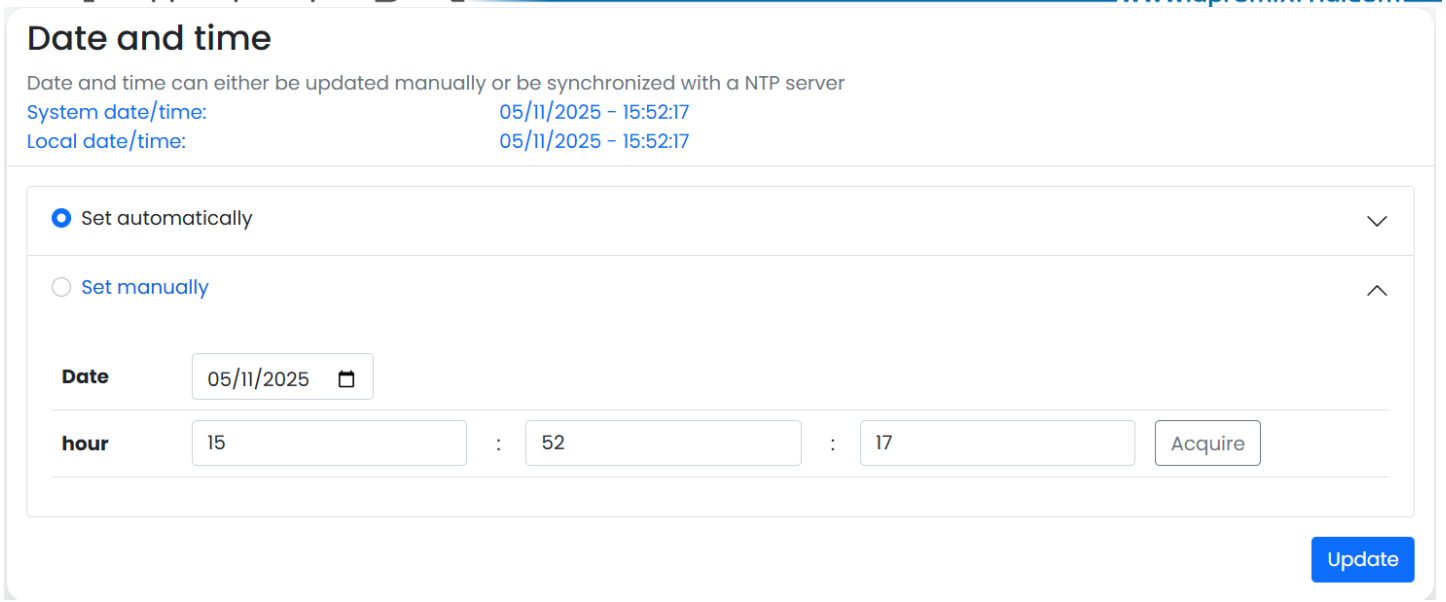


If the network address is set dynamically, the same DHCP server is also able to communicate the reference NTP server (option 042 – rfc2132), and this setting will prevail over what is entered on this page.

Set manually:
The option allows you to set an exact time or acquire the time of the PC itself

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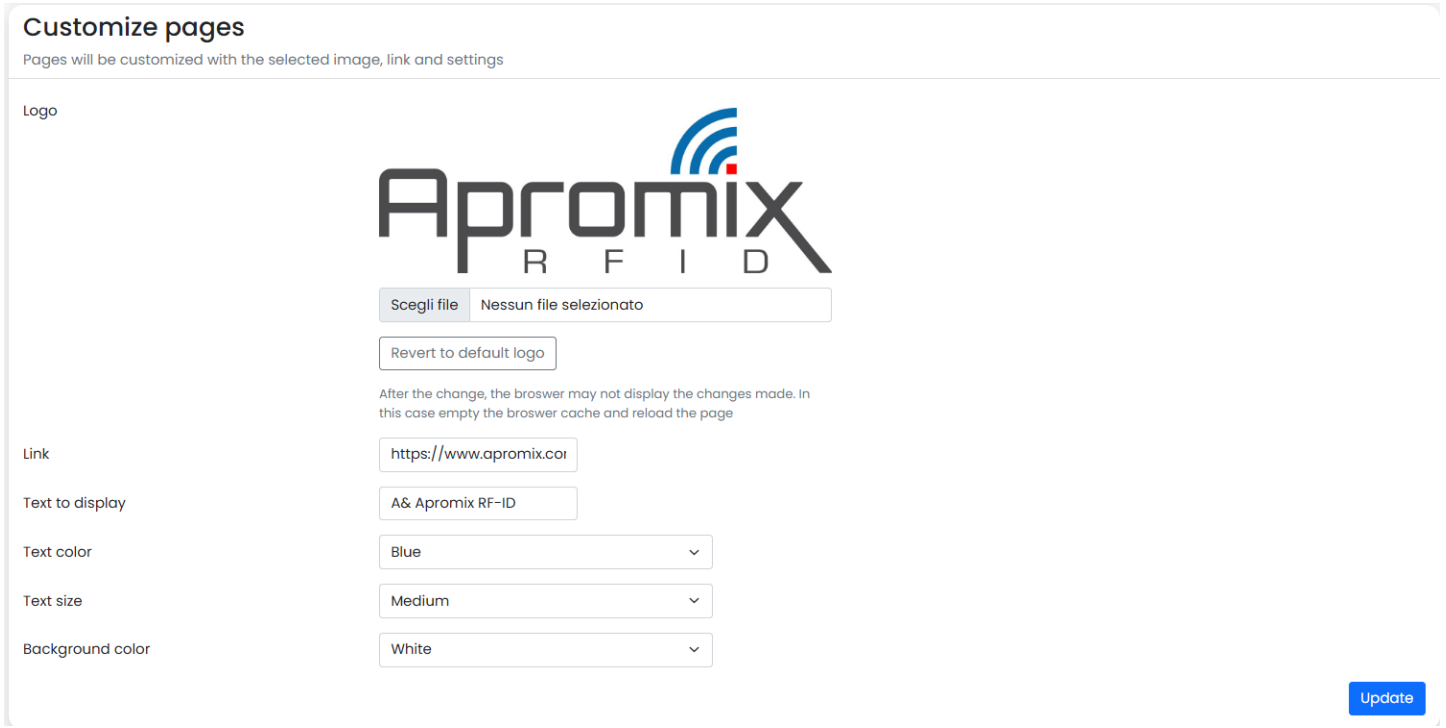
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Warning: Switching from manual to automatic set, if there are timers that should have expired between the old and the new time, the related actions may or may not be performed

CUSTOMIZE PAGES

As already mentioned, there is the possibility to customize the general appearance of the pages.



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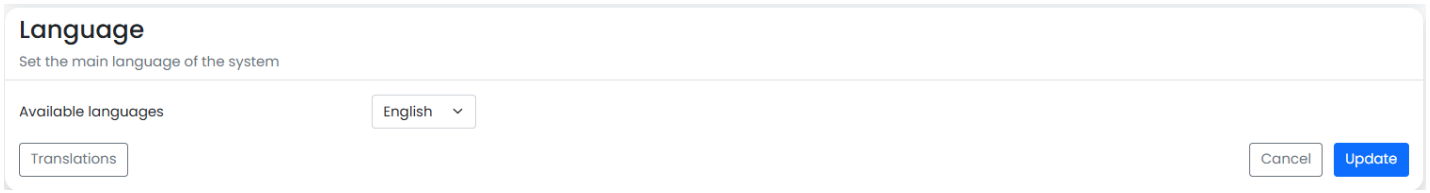
The logo image can be changed, and the link next to the logo image can also be changed



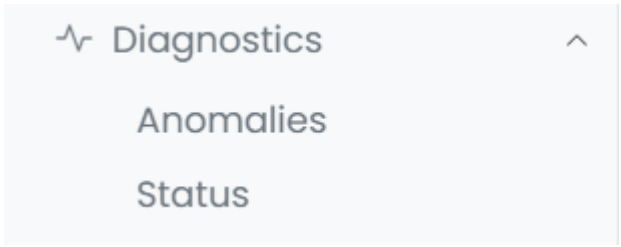
In addition, with background color, the color of the line under the logo can be changed (in this example yellow)

LANGUAGE

In the Language section, you can set the main language of the system.

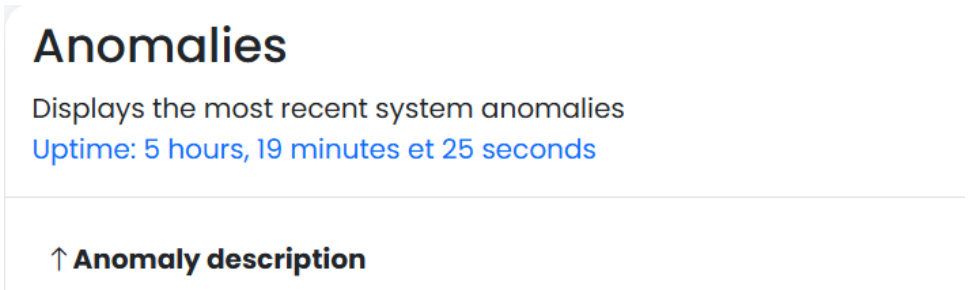


DIAGNOSTICS



Allows you to know the status of the system

ANOMALIES



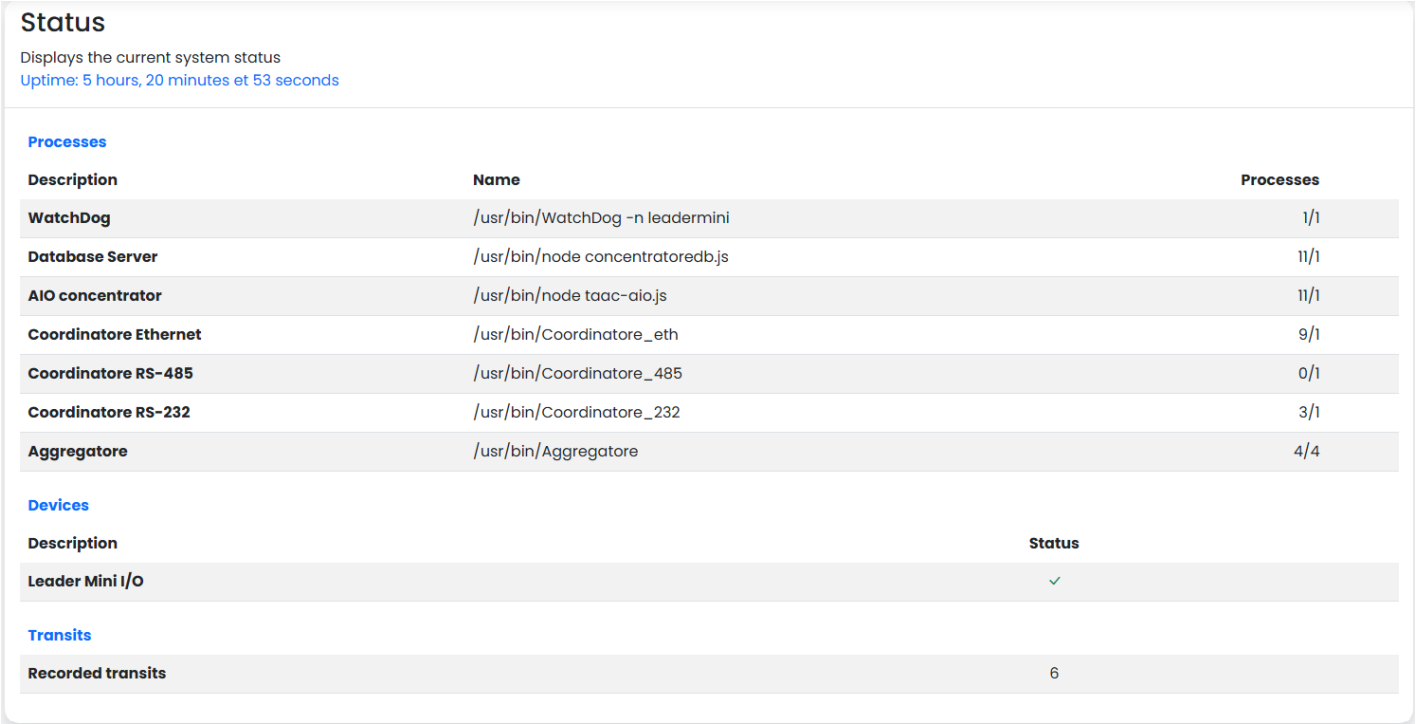
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The diagnostics page reports any anomalies that have occurred within the system, specifying date, time and type of anomaly.
With the anomalies, the system uptime, i.e. the uptime since the last start, is also reported.

STATUS

The system status screen provides a summary of the active programs and the number of processes for each program. A serious anomaly is reported by writing the number in red.
This screen also displays the status of the various terminals by showing a green tick to indicate their correct connection or a red cross for the offline status. You can click on the image (either red or green) to force the terminal to be immediately queried.

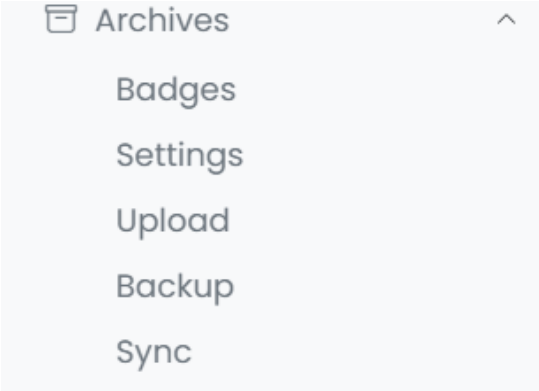


In addition, the number of transactions currently stored in the system is indicated.

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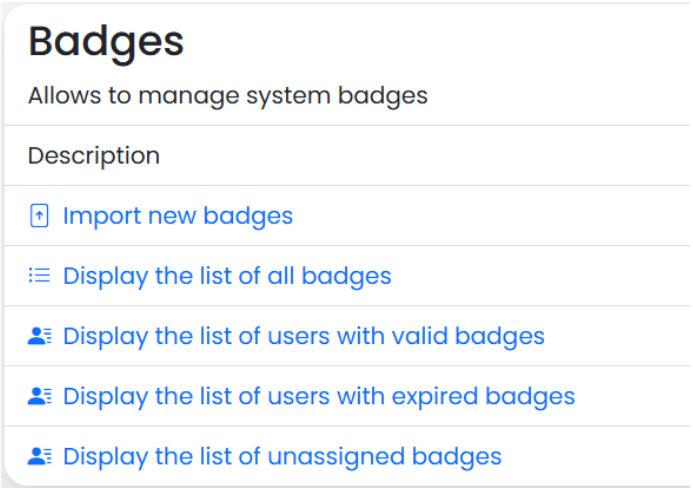
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ARCHIVES



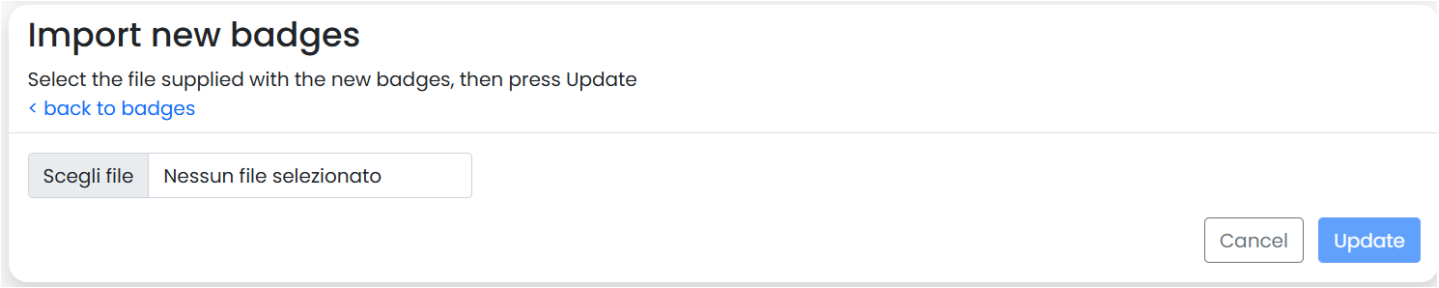
In the archives section you can find all the data about badges and archives

BADGES



Import new badges allows, by pressing the Choose File button, to import the badges that can then be assigned to users.

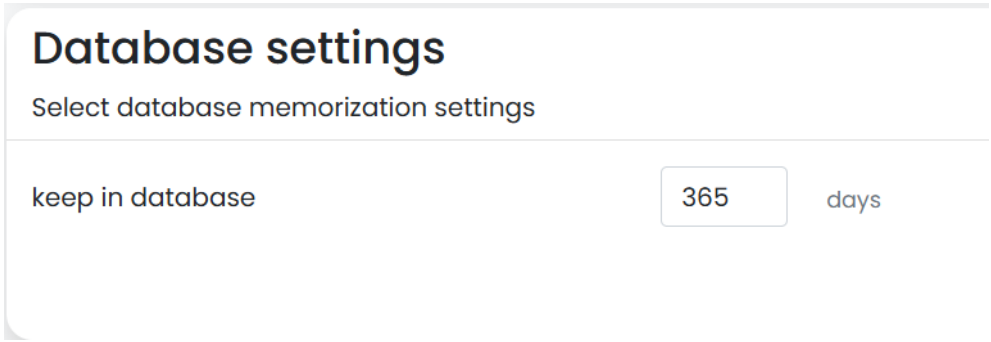
With all the other options you can view all badges and whether they have been assigned or not.



ARCHIVE SETTINGS

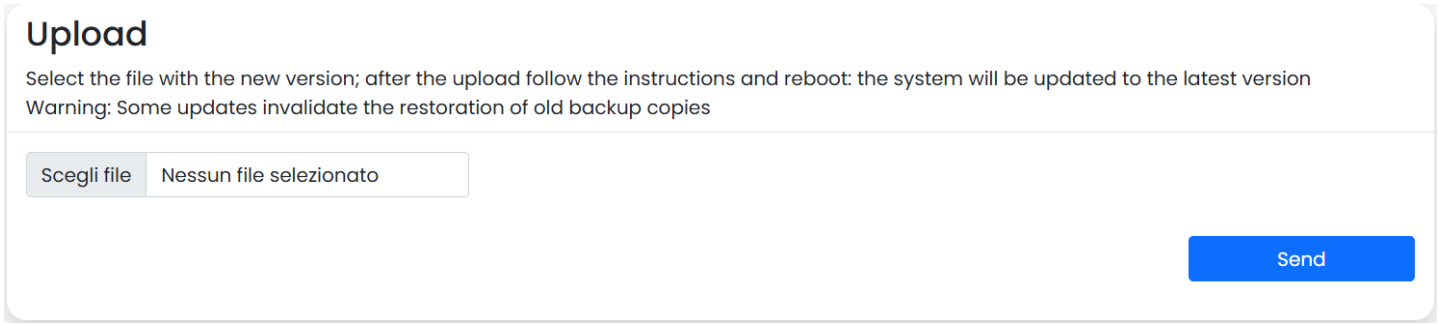
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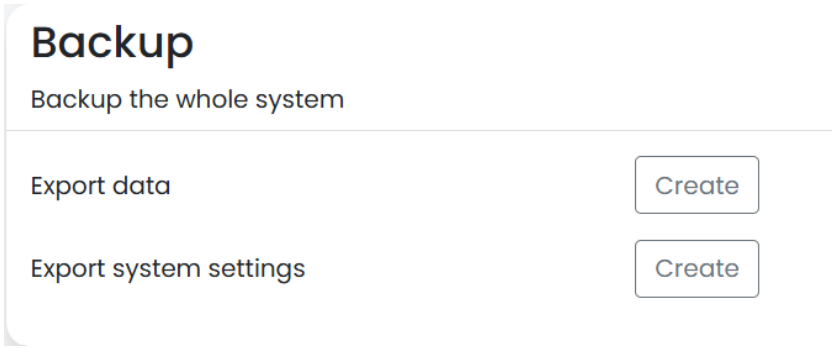
Allows you to set how many days the data will be kept in the database.

UPLOAD



With the choose file button you select the file containing the system update and press send, at the next restart the system will be updated to the latest version

BACKUP

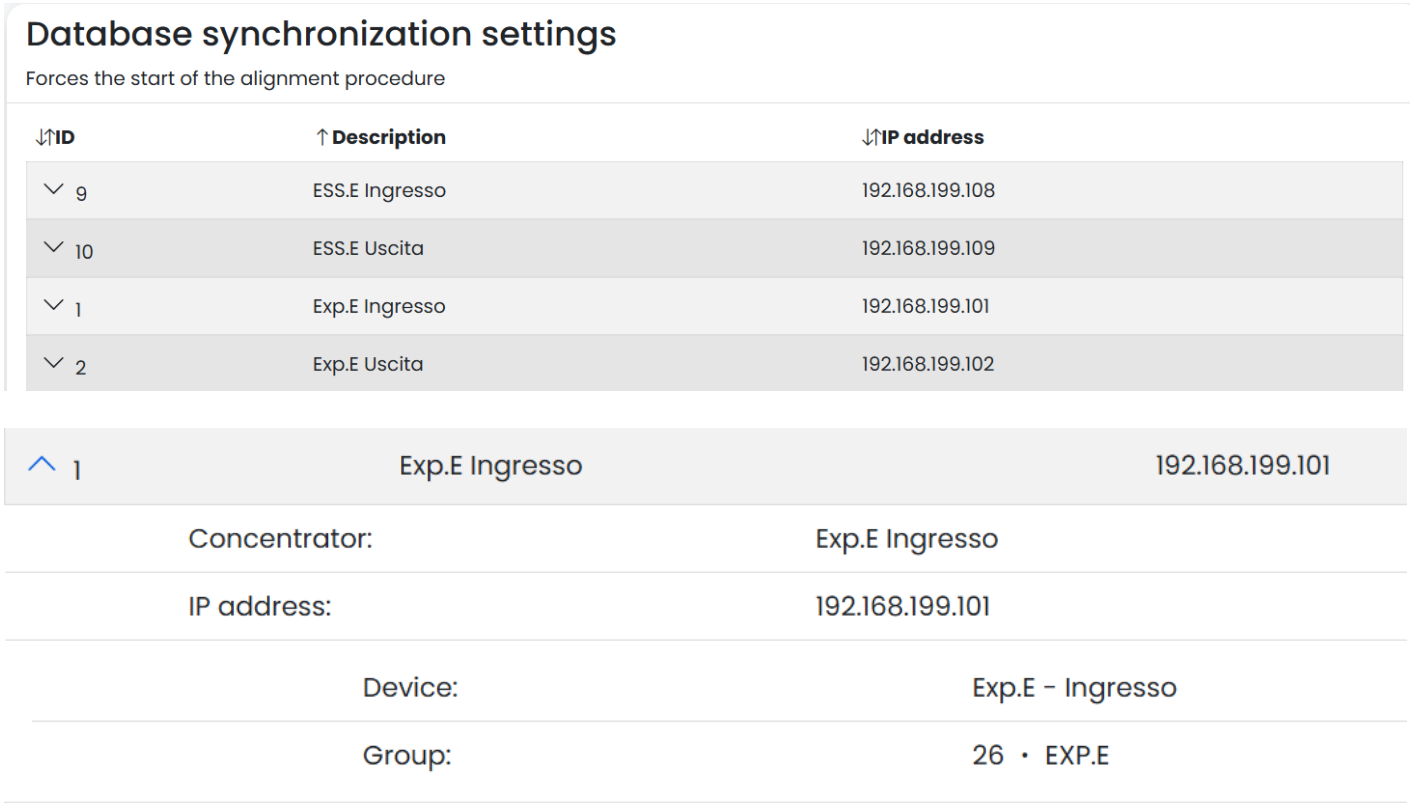


The backup option allows you to create a file containing all the sensitive data of the system, which can then be restored or imported into other systems, thanks to the upload operation.

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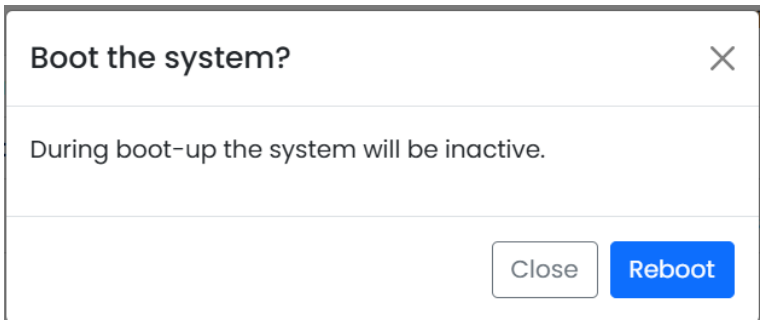
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SYNC



Synchronization is used to synchronize data between multiple terminals, in this example a time and attendance terminal. It is used to synchronize users and badges by sending the data of the concentrator to the other terminal so it is not necessary to configure the same users and badges on 2 terminals but with synchronization the data passes directly from one terminal to another.

REBOOT

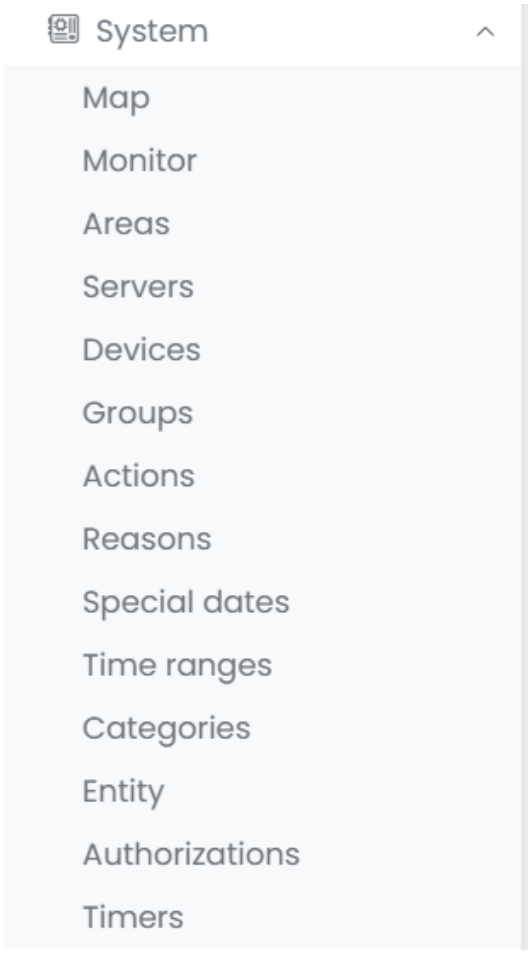


This command allows you to completely reboot the system.
It can be used, for example, after an update file has been uploaded.

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SYSTEM



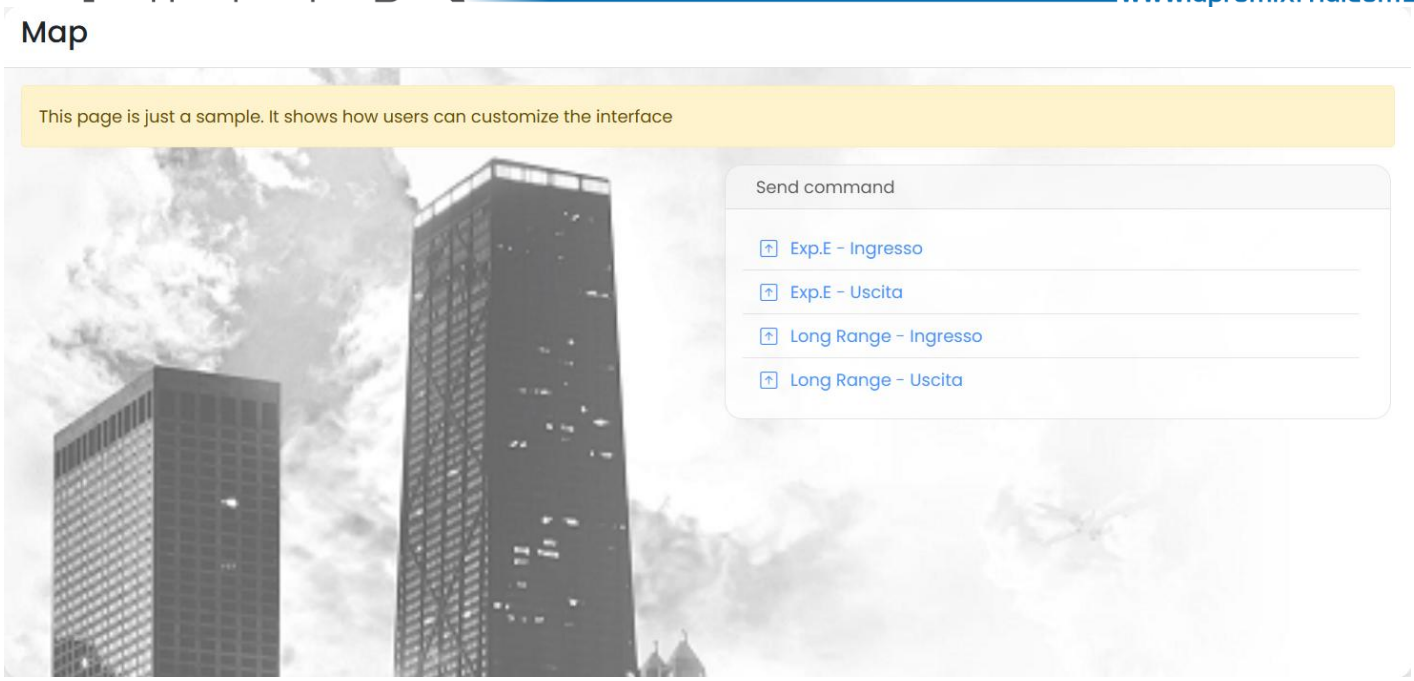
This section is visible to level 1 and 2 users and gives access to all the sections that allow you to manage the system.

MAP

It is possible to upload the map of the system by defining the terminals and access gates to be controlled

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MONITOR

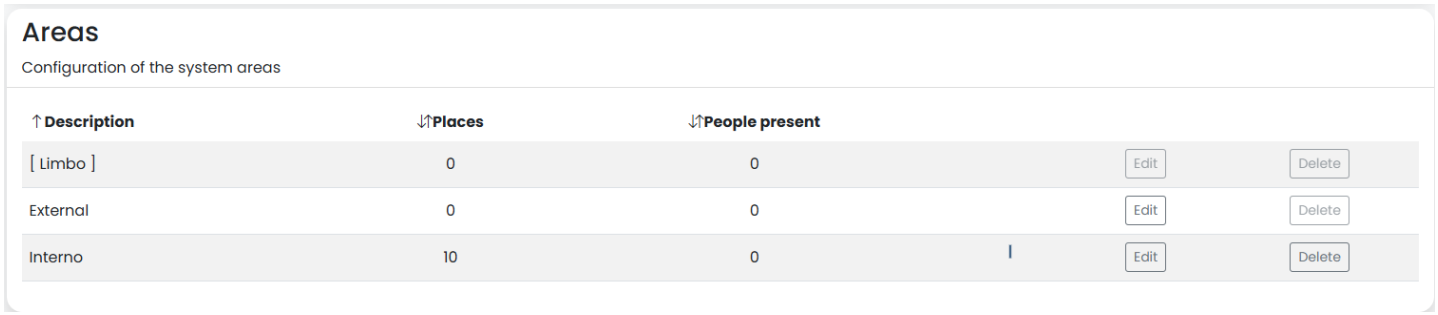
This section displays, in real time, the last transactions detected by the system, specifying:

- Transaction number
- Date and Time
- User
- The device that was used
- The reason

You can also choose how many transactions to see at a time thanks to a drop-down menu

Number	Date and time	User	Device	Reason
6	05/11/2025 09:45:23	Unknown user	Leader Mini I/O	Input 3 deactivated

AREAS



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Among the first points to be defined in any system, there are the areas. This operation must be carried out carefully as it will later affect the mode of operation of the system.
The insertion operation is simple as it is only necessary to enter a description in the appropriate form, accessible via the **Insert button**.
As we can see in the image, two areas are defined in our system: External and Internal.
The terminals that we will then set up will be used to transit from one area to another based on the authorizations that our category has on the area.
By default, the system provides for the presence of the **External** area and the **Limbo area**.
The latter is a very particular area as a user, from this position, can access any area according to the rules imposed on the category, without however being bound to control over the area of origin.

Warning: no terminal can be set to come from or lead to the limbo area. By setting up new users in this area, the first transit will always be allowed.

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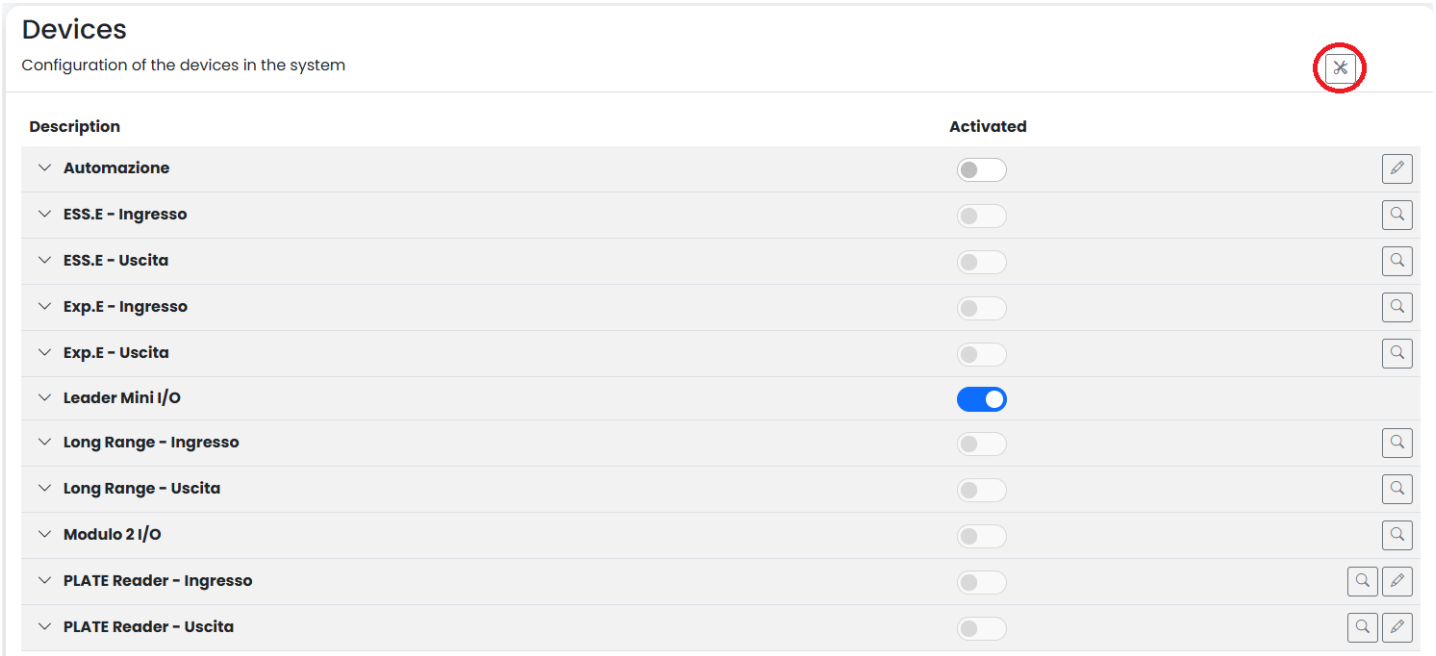
SERVERS

It is possible to connect several secondary type Concentrators to a primary type Concentrator, thus allowing the creation of very complex systems. The secondary Concentrators must be connected to a switch via Ethernet line and configured within the *Concentrators* option so that the primary Concentrator is able to recognize them. In the LEADER^{MINI} the list of Concentrators is already pre-configured with standard settings valid for being connected to the 3 ethernet ports dedicated to the terminals.



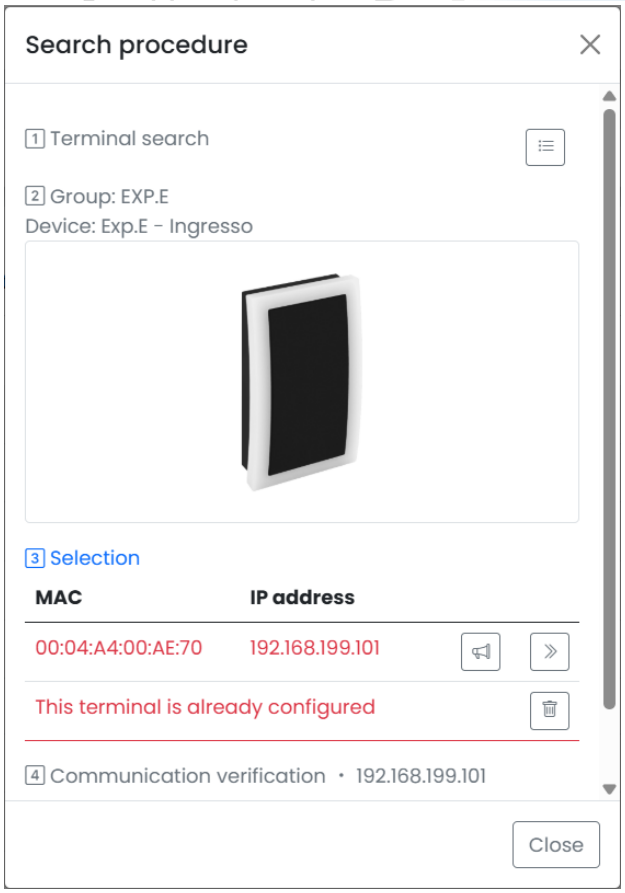
DEVICES

The second fundamental step for the configuration of our system involves the management of the devices.



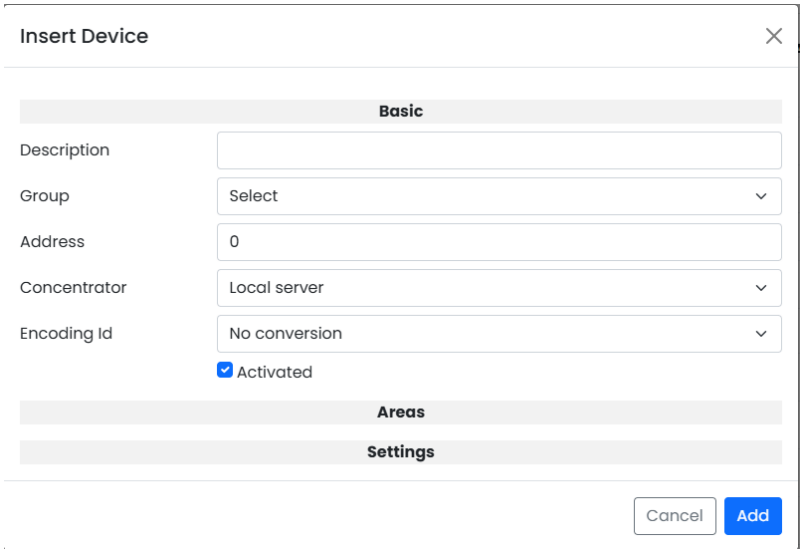
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Selecting the magnifying glass icon at the far right of the screen will take you to the terminal search process, which will be displayed along with its MAC and IP address. You can also make the terminal emit a sound using the "Identify" button, to make it easier to find. If the terminal is not yet configured, you can proceed with the configuration using the "Configure" button.

To access the editing area, you need to press the pen icon located at the right end of the terminal, next to the magnifying glass. If the icon is not present, you must enter the configuration phase, pressing the button marked with the cross with the screwdriver and the wrench, highlighted in the image above.

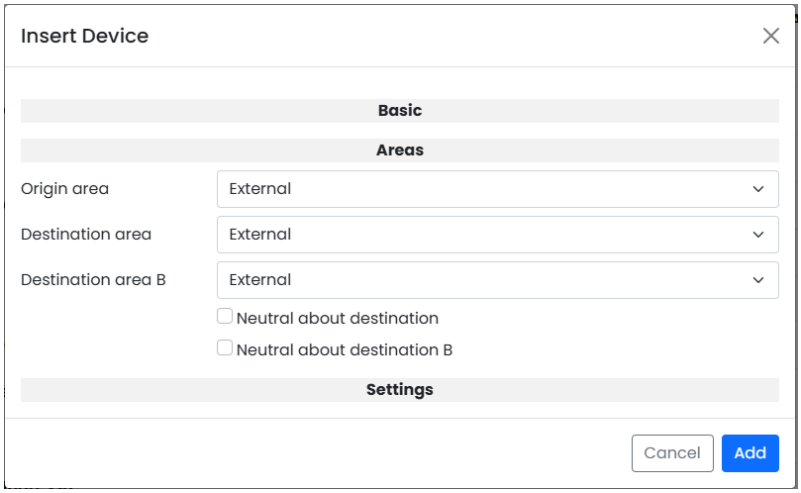


Group and **Address** are default settings, blocked during installation as they are linked to the hardware that makes up the system.

Activated tells the system whether the terminal is online or whether it is disabled for some reason.

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As already mentioned, the **Origin area** and **Destination area** of the terminal must be chosen. Some terminal types, which support different actions based on the time the badge remains in front of the reader, allow you to choose a different **Destination Area for Action B**.

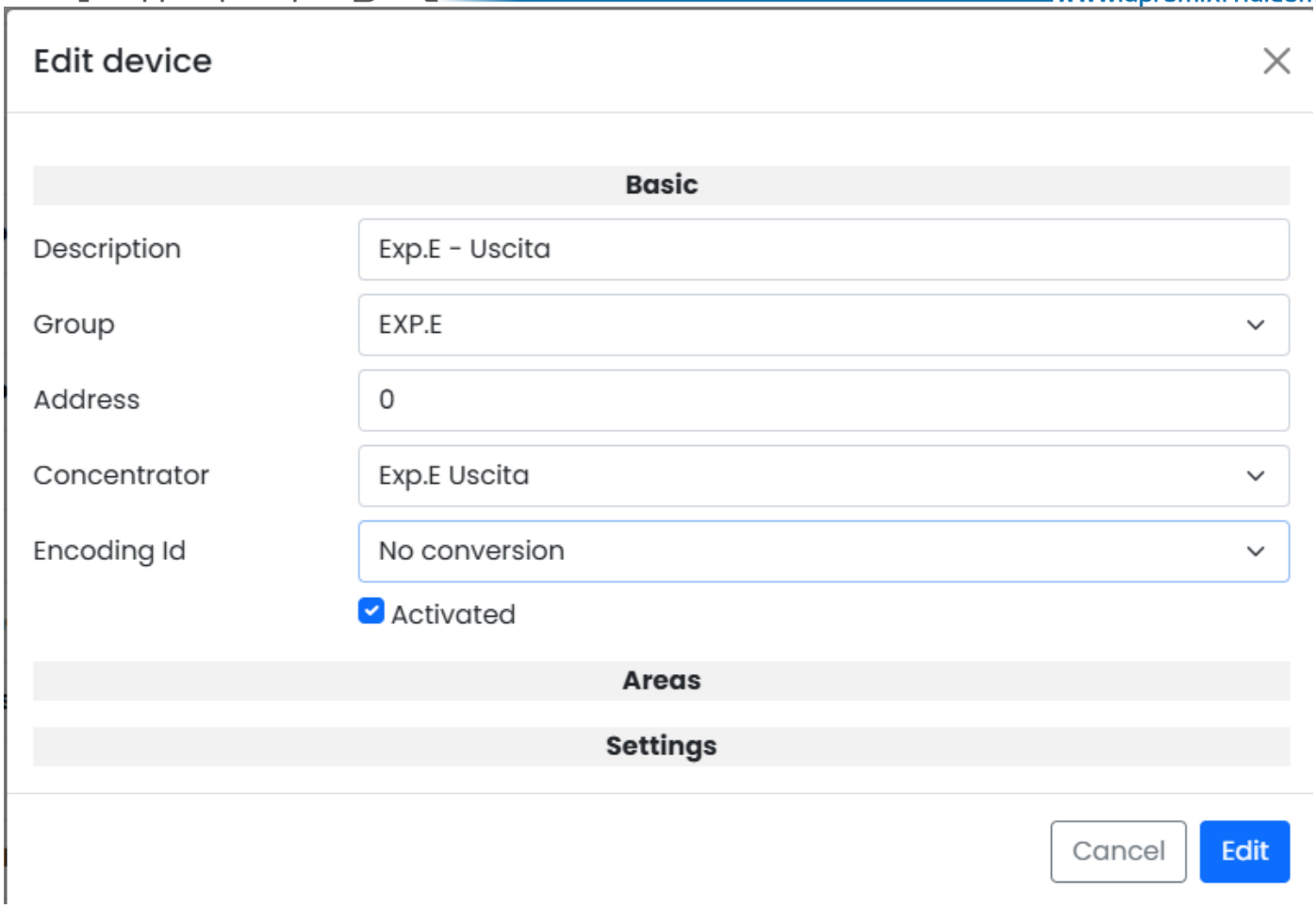
Neutral about destination indicates that, while verifying the user's authorization for access the destination area, once the transit has been performed the user will not change area, but will continue to be considered in the area of origin. The user will then transit according to the rules of his category towards the destination area but will remain, for the system, in the area of origin. Also in this case it is possible that some terminals allow you to choose whether the terminal is neutral following an action B.

The **Terminal Edit** can only be set by the operator who logs in using the default operator's user and password.
For the meaning of the parameters, consult the document with the protocol specifications of the various types of terminals.
From the web page it is also possible to send a command to the terminal, simulating the outcome of a normal transaction. To do this, simply choose the type of action to be performed. This can be useful for forcing a transit or simply to test the correct connection of the terminal.

Memory block: A memory block is a storage unit, which is divided into sectors. Each sector contains multiple blocks, which can store user data or access control information. Blocks are protected by authentication keys and allow data to be read, written, and managed.

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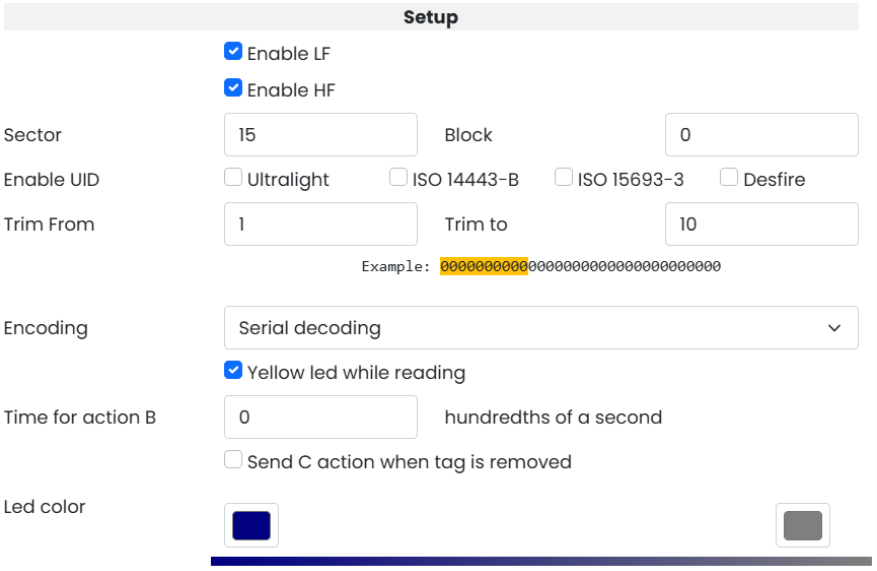


Other parameters

These steps do not fully configure the terminals. Other parameters, depending on the type of hardware, can be selected from the terminals page, selecting Edit and then the item Configurations. For the LEADER^{MINI}, the button is visible by first selecting the Advanced icon ( ).

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Configuration example for EXP.E terminals.

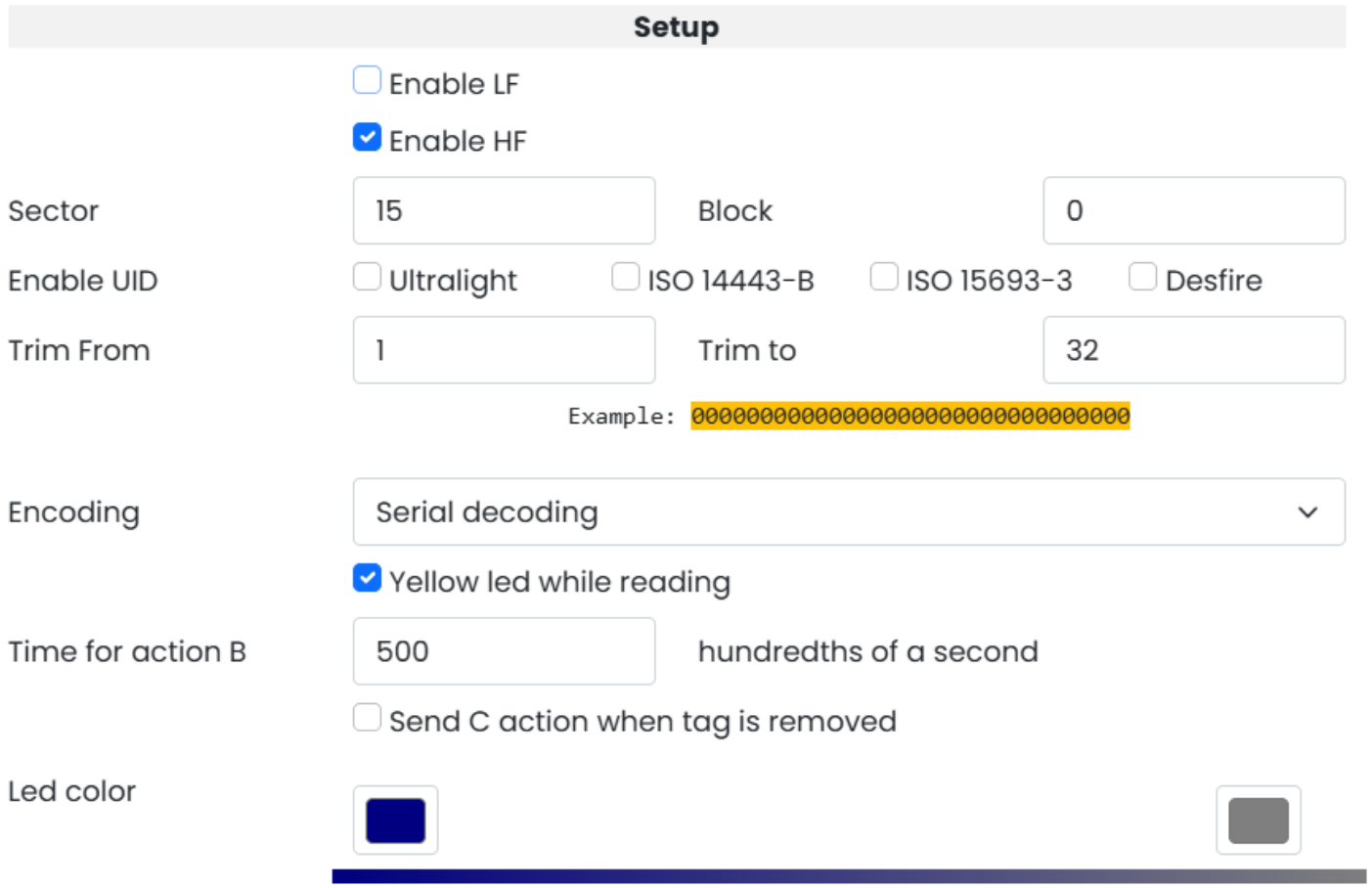
Enable LF (Low Frequency): This option activates the reading of low frequency cards.
Enable HF (High Frequency): This option activates the reading of high-frequency cards.

Specific Parameters
Sector: Specifies the sector of the MIFARE card to be configured (current value: 15).
Block: Specifies the block within the chosen sector (current value: 0).
Enable UID: Enable options for different smart card technologies:

- **Ultralight**
- **ISO 14443-B**
- **ISO 15693-3**
- **Desfire**

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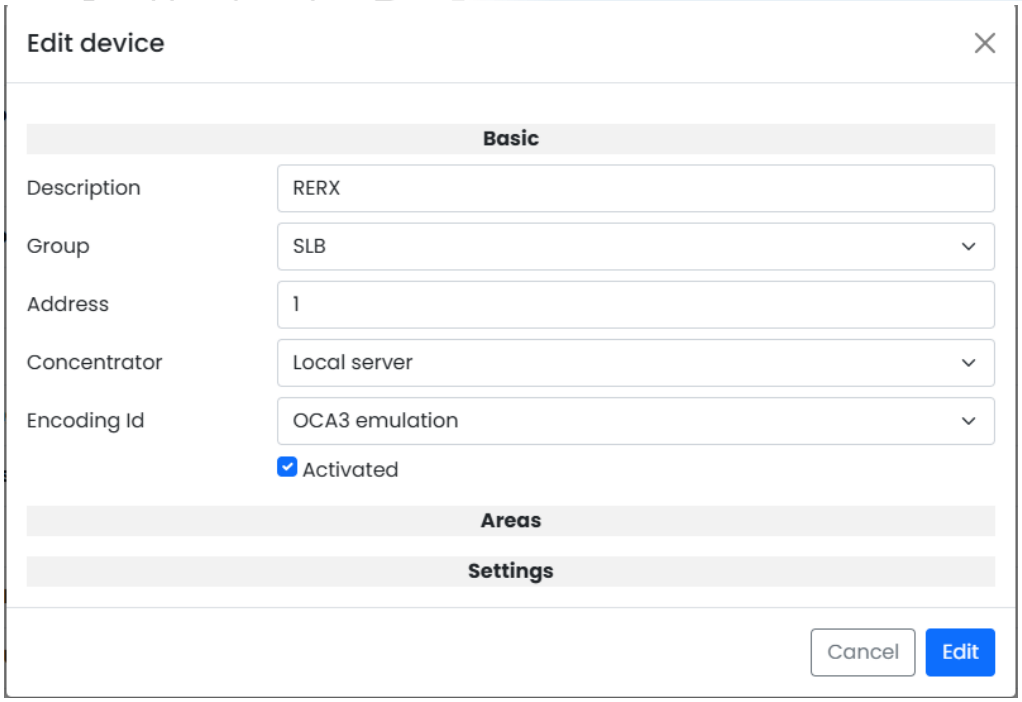
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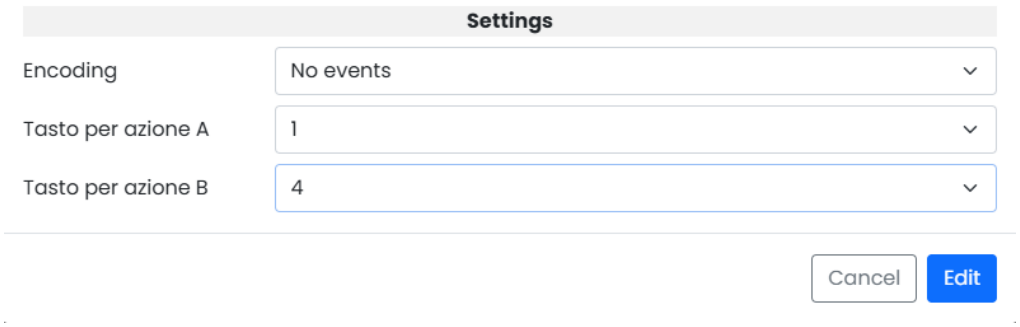


here it is also possible to change how the Encoding id is displayed and change the value of the time in hundredths of a second that is used to determine the type B action

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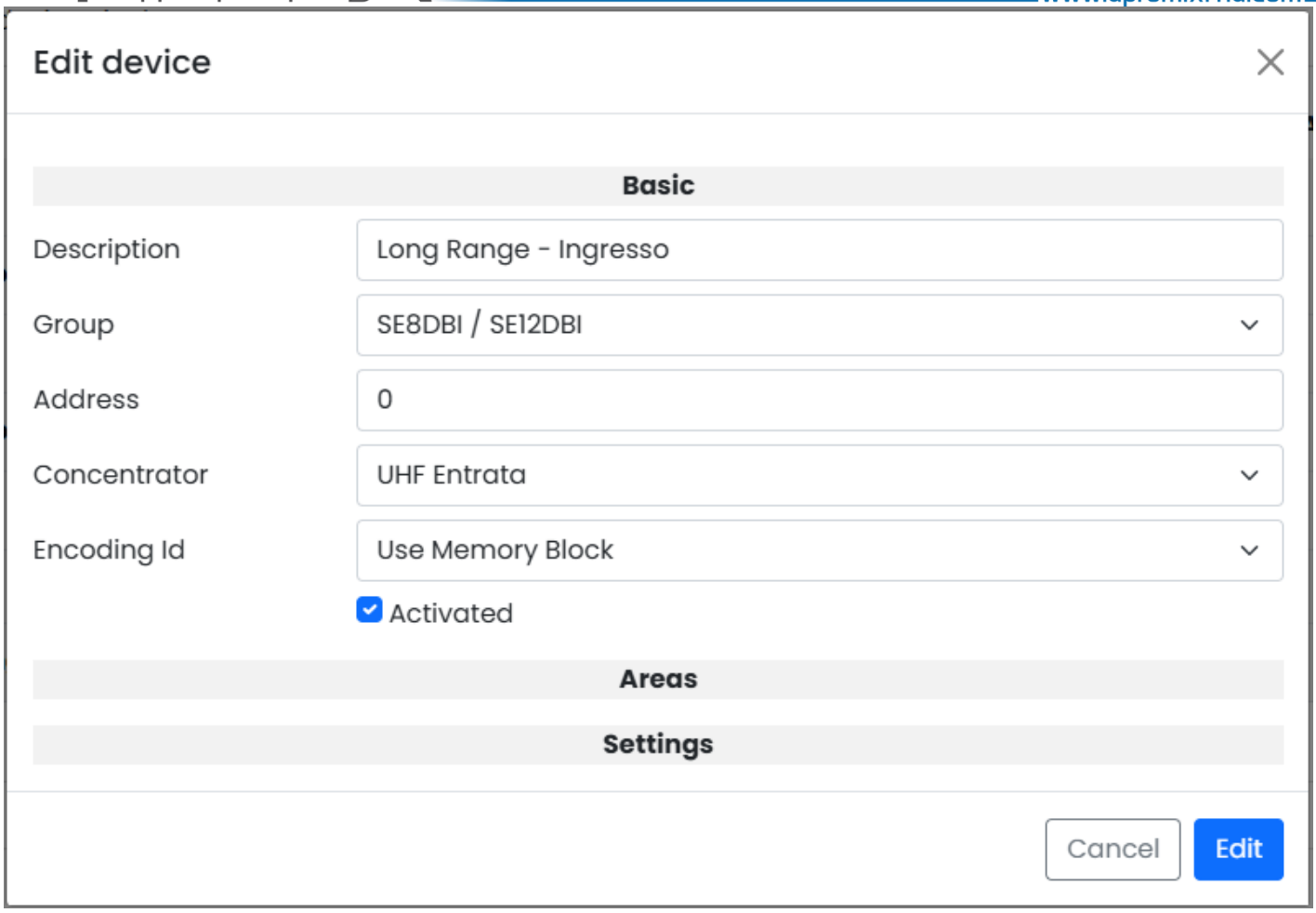


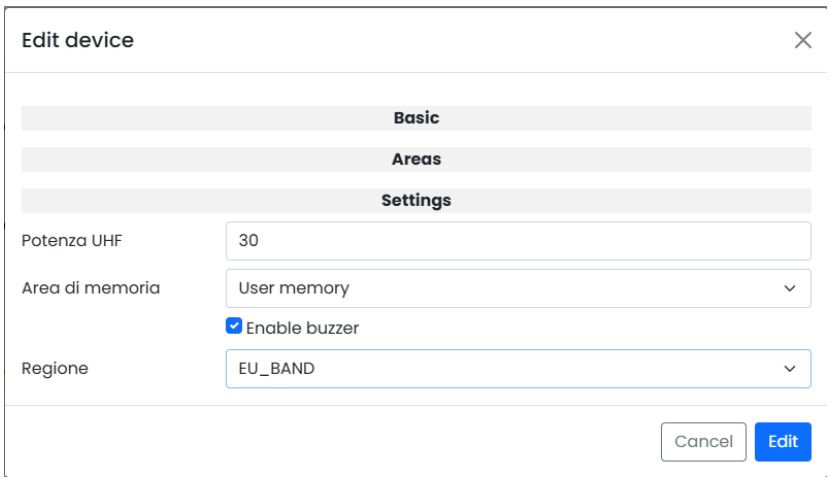


OCA3 emulation refers to an operating mode specific to MIFARE cards. OCA3 (Open Card Architecture 3) is a specification that allows cards to emulate certain features or behaviors. In other words, a MIFARE card configured for OCA3 emulation can simulate a certain type of card or system, allowing interoperability with existing systems that support the OCA3 specification.

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For antenna configuration, the dedicated section allows you to select the UHF Power, i.e. the intensity of radio transmission in the ultra-high frequency band, as well as define the memory area and region (e.g., EU_BAND).

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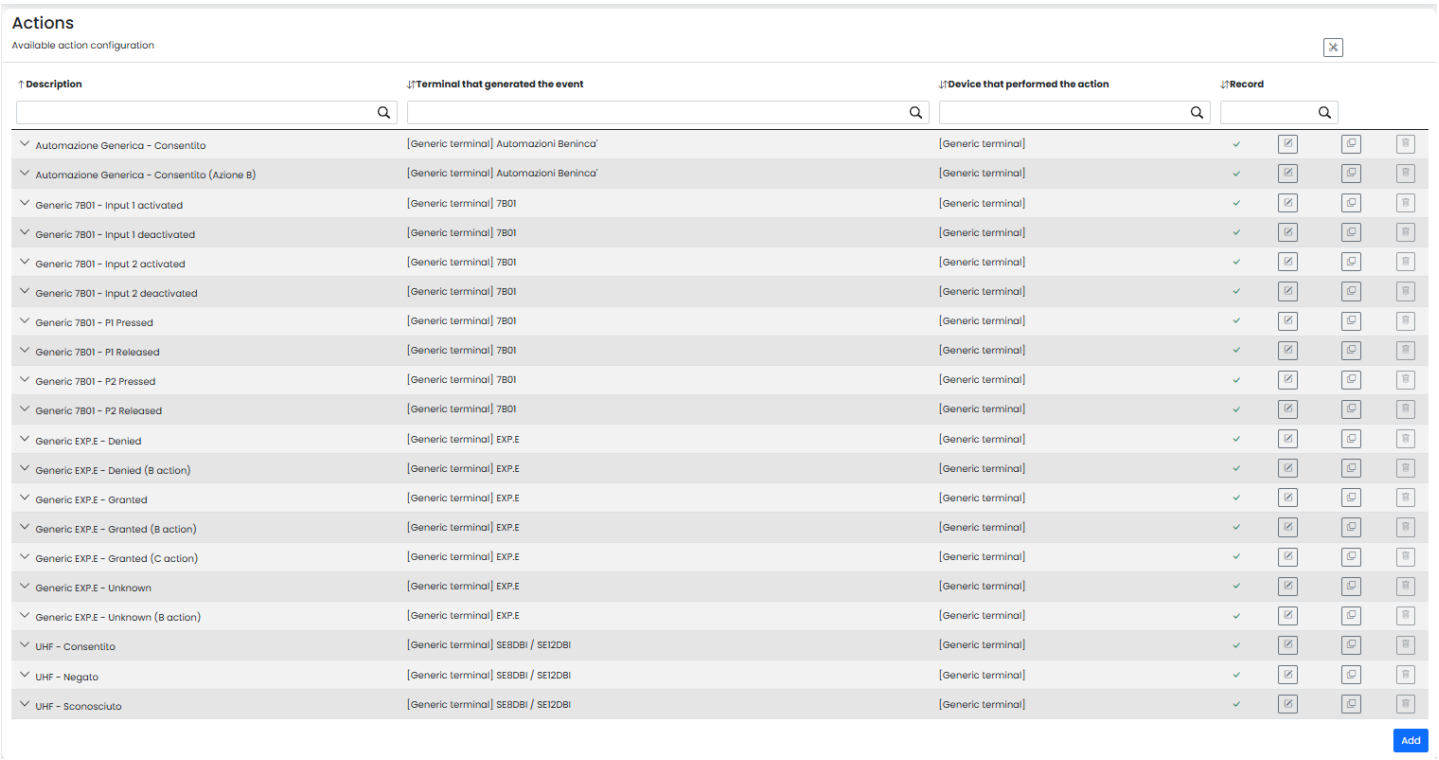
GROUPS



The groups indicate the type of terminal and are preset by the system vendor based on the available hardware. Only those related to the terminals used in the system can be displayed.

ACTIONS

Actions define the effect of an event on a given terminal, i.e. once an event has been generated in a terminal and the resulting outcome has been established, it is decided which terminal(s) the action should be associated with.

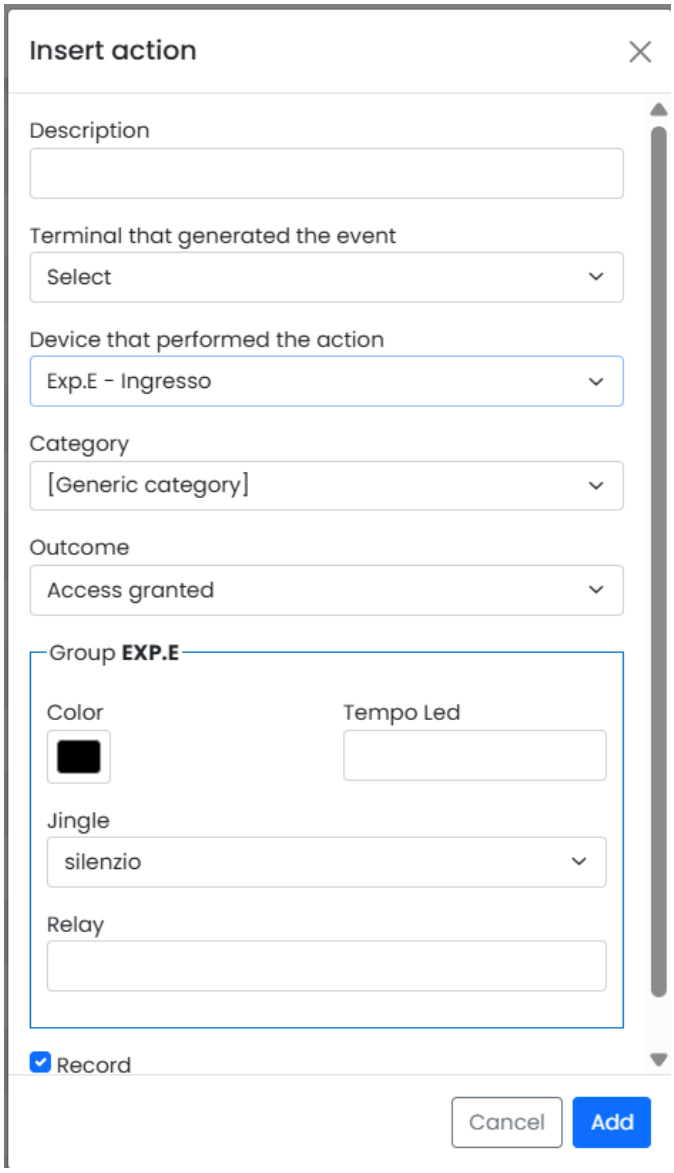


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The actions screen initially appears as a filter to display the data present. Once the filter has been executed, you will have, in addition to the possibility of editing, the possibility of inserting new actions.



Enter a brief description to better recognize the action.

Determine the event terminal (the one where the transaction was made) and the action terminal that will execute the command.
Then select the type of action that results from the processing that follows the event.

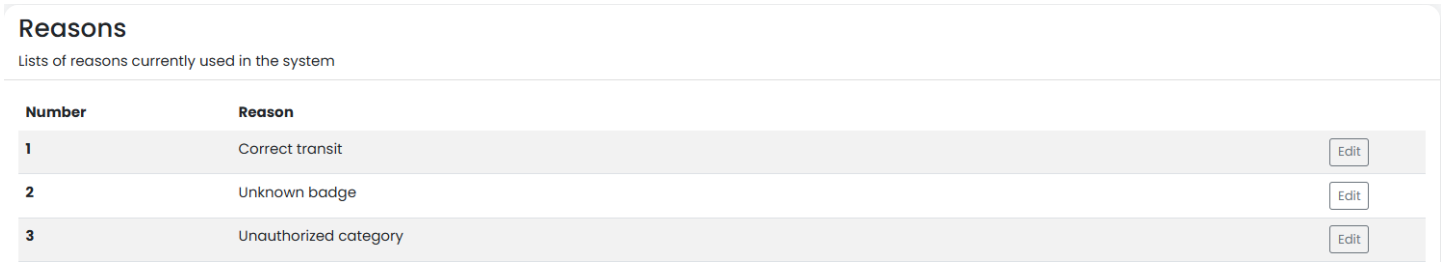
The settings of the action parameters depend on the family of the terminal that you have selected as the "Action Terminal". If "Action Terminal" is left on generic, the action is executed on the same terminal that gave the event, so the parameters will be managed according to the family of the latter.
In the bottom left box we could then go on to define parameters such as the activation time of a relay or buzzer. The meaning of these parameters is shown in the nearby legend.
By selecting the Concentrator itself as the action terminal, it is possible to carry out the recording of the event alone, without physically acting on any terminal. You can also configure scripts for the system to run.
This type of procedure makes the system very flexible as you can decide to have the action performed by one or more terminals, even different from the one in which the event was initially generated.
If you set multiple action terminals for the same event terminal and the same action, the system will record the action if the **record flag** is checked in at least one combination and perform the actions sequentially on all specified terminals.
A further point in favor of the system is the possibility of performing actions based on the user's category: it can therefore be established that with the same terminal and authorization, the categories activate different actions on different terminals.

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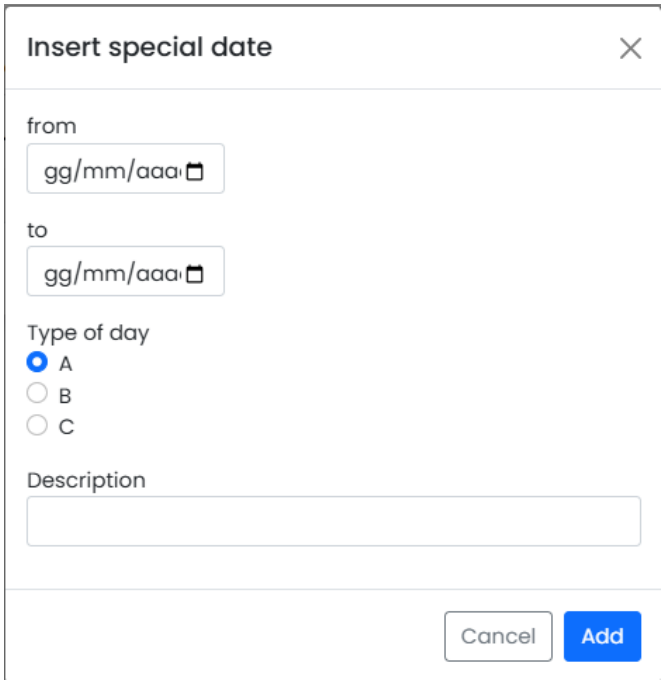
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REASONS

They indicate the outcome of the transits that have taken place and, like families, they are preset. For each reason for payment, the type of action that will follow is also displayed.



SPECIAL DATES



Special dates are particular time intervals during which the rules are different from those established for ordinary days.

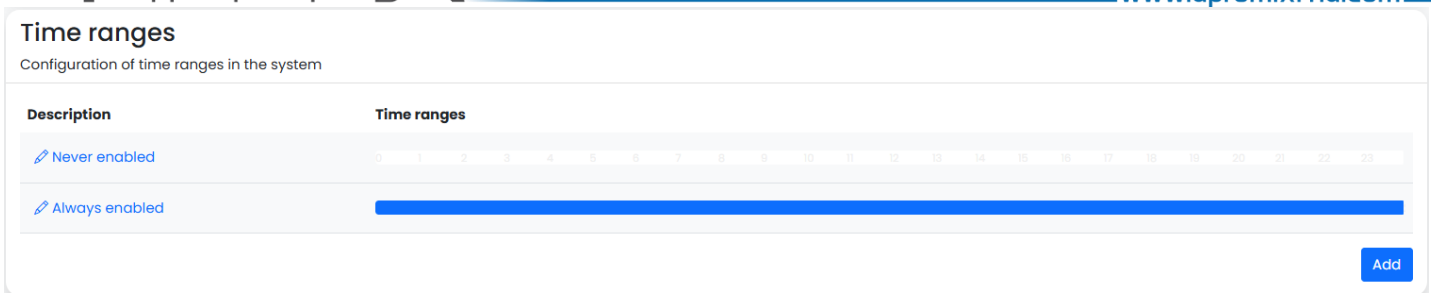
To insert a special date, you must specify the time interval and the type of day.
When a user of a certain category makes a transit to an area, the program will check if the date falls within a special period. If the verification is positive, then the system will apply the time slots established in the qualification of the category for the type of day defined in the special period.
If, for example, today is Monday 25 December and we have set Christmas as a special period of type C, the Monday slot will not be applied but that of Day C.

TIME RANGES

A time range defines one or more time slots within the same day.
To select an existing band, click on the name. To access the settings of a range directly, select the blue segment of the chart. To insert a new band, use the *Insert* button.
The time ranges will then be used to establish the rules in **Authorizations**.

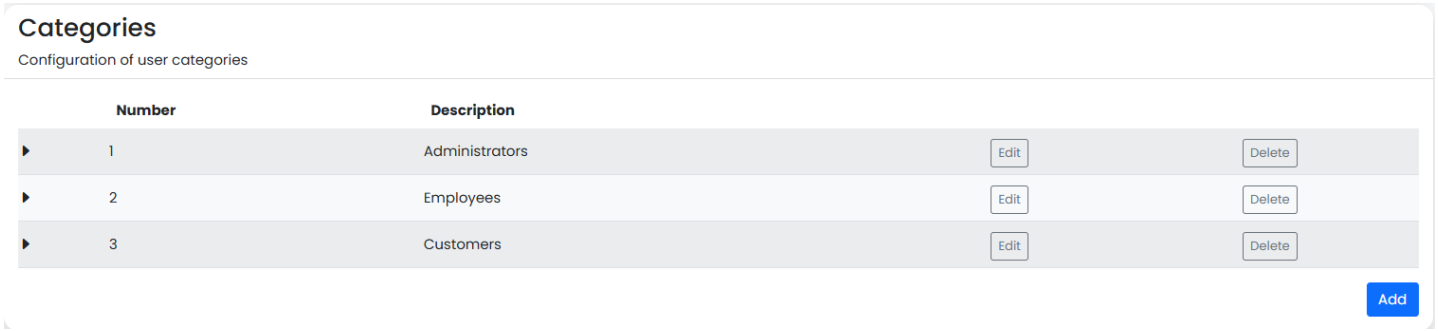
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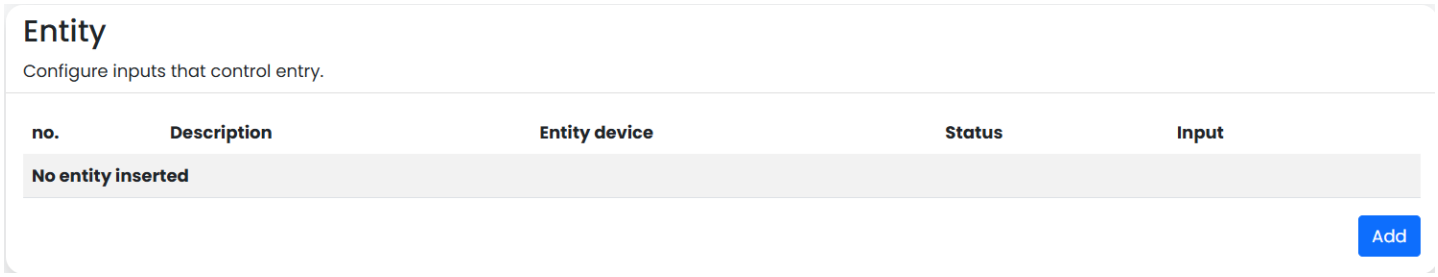


CATEGORIES

To enter a category, simply enter a description. This data will then be used in the **Authorizations** phase. As we have already said, it will be the category that will have particular rules towards the areas and all users belonging to the same category will obey the same rules.



ENTITY



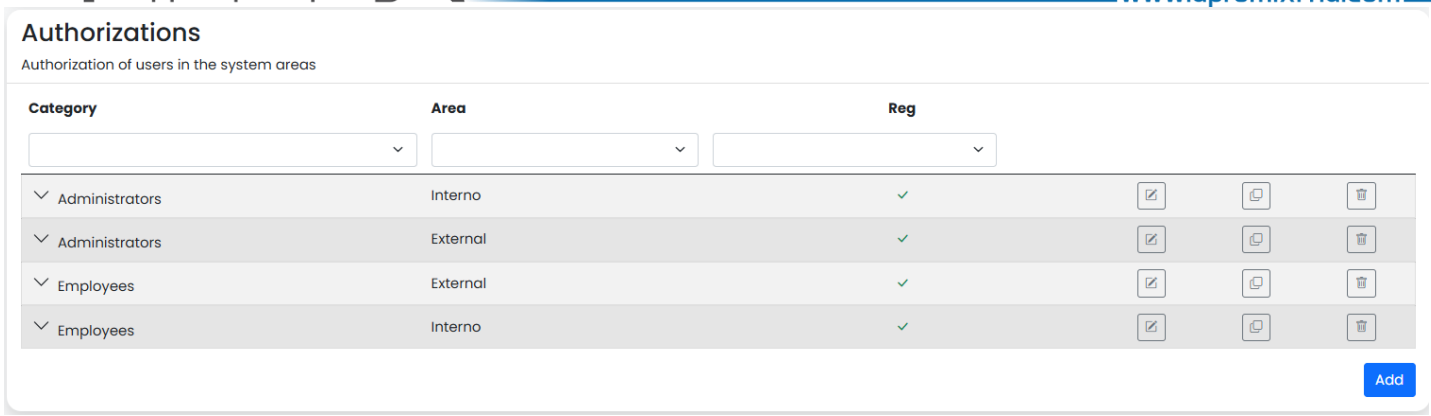
It allows you to locate a (logical) input that is necessary to enable transit.
At the interface level there is the choice of a terminal and the position of the input that corresponds to something external.

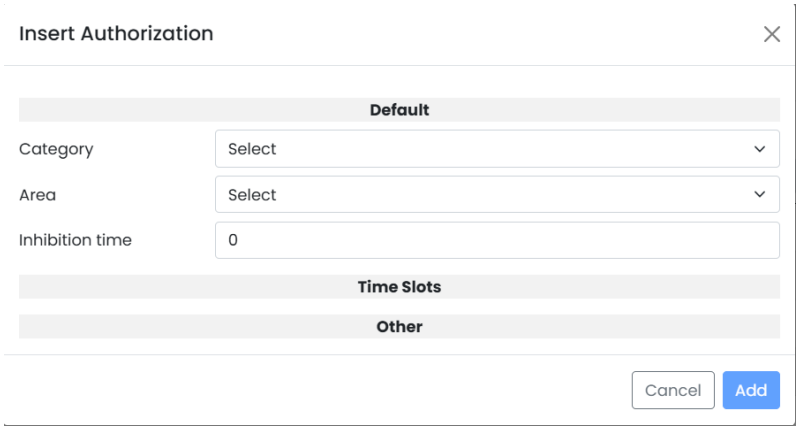
AUTHORIZATIONS

The most important part of the logic of the whole system is represented by the authorizations.
With **Authorizations** you define the rules assigned to each category to transit through the various areas.

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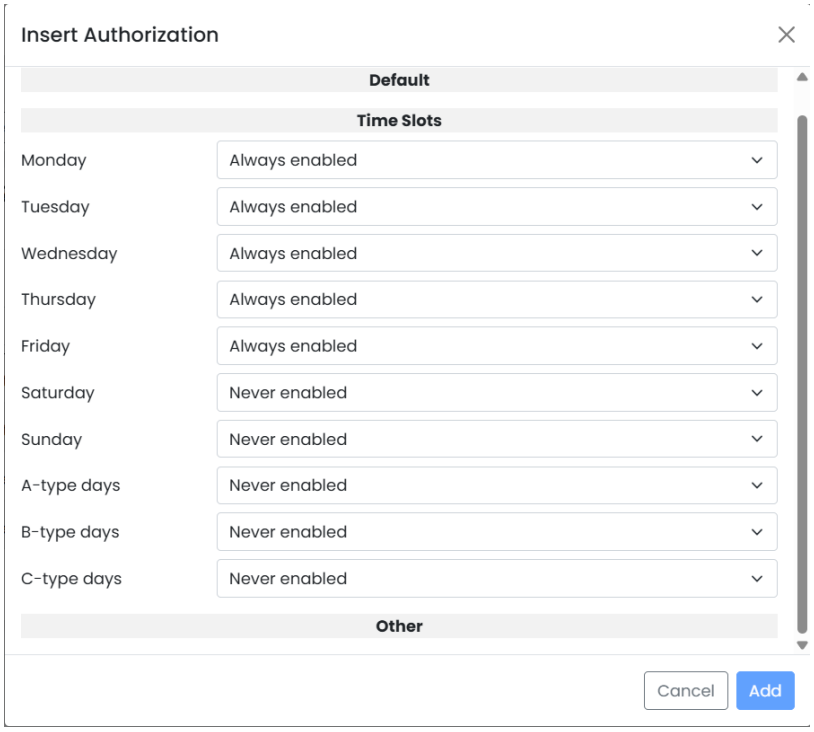
Category: determines which category the set rules apply to.

Area: Indicates the area in which you want to allow access. When a user of the set category transits through a terminal leading to this area, he will be subject to the rules set here. **Inhibit time:** The user who passes through the area will no longer be able to access for the time, in seconds, specified here. If the advanced time anti-pass-back is enabled, in order to be able to check the access time on all areas and not only on the last access, it is required to save transactions.

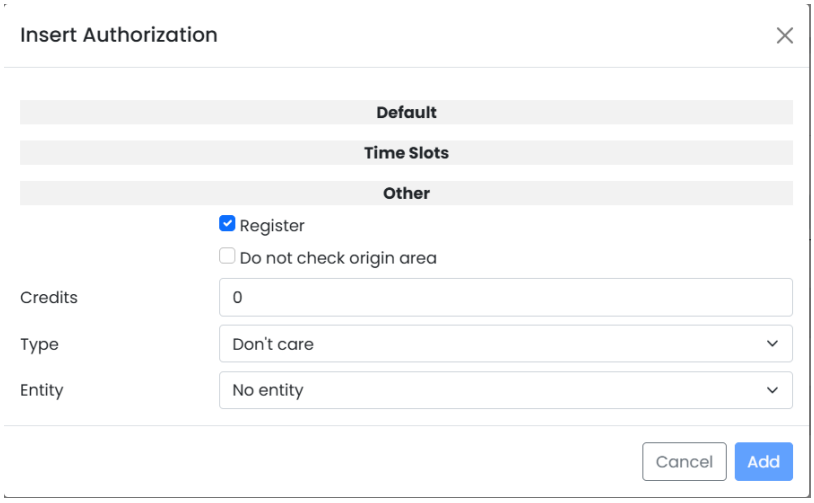
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Time slots marked with the name of the day, indicate the time slot that the category must respect to access the area. **Days A**, **B** and **C** are special types of days, defined as **Special Date**.



Logging: Record all transitsof users in this category who go to the specified area. See also the **Register** flag set in actions.

Do not check origin area: Excludes verification for anti pass-back area.
If not selected, a user cannot transit through the terminal if his current area does not correspond with the area from which the terminal originates.
Points (where enabled): indicates the points that will be deducted from the user with each correct transit. Once the points have been ended, the user will no longer be enabled to transit.
If the points are expressed with negative values, the terminals will have the function of recharging.

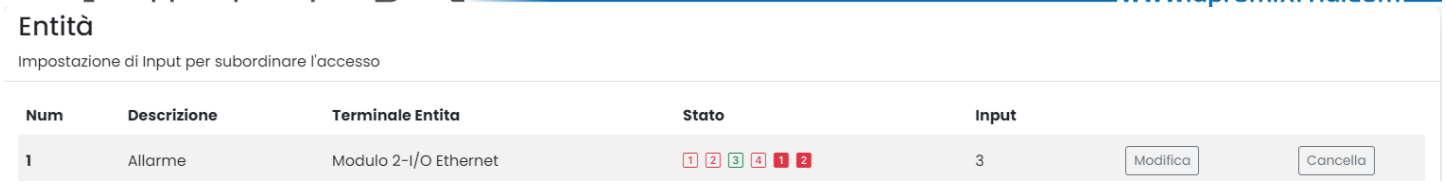
Type (where enabled): indicates whether to carry out further checks before allowing transit:

- Default: Doesn't verify anything
- Master: Doesn't verify anything
- Slave: It also checks that a user from a category defined as **Master** already exists in the specified area. Otherwise, transit is denied.

Entity:

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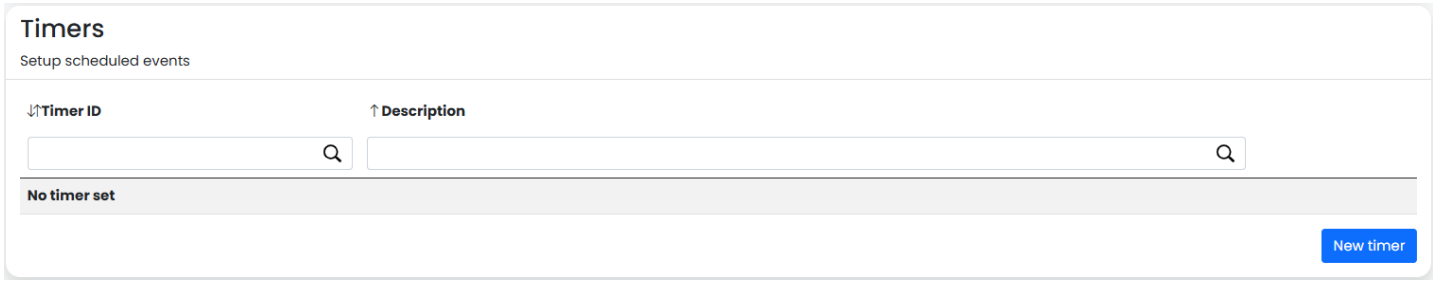


You can add entities, in this case an alarm that has several inputs, but in this case you have selected 3 and depending on the configuration, if this input is "on" or "off", the specified category will be enabled in the area.

Example: A gate that for a certain category of people can only be opened if this alarm has been deactivated first

TIMERS

A timer is a set of actions that are performed on certain terminals at preset times.
This description is therefore used to group all the events that will make up an automatism, such as the opening and closing of a gate.





After entering the description, press on it to enter the action setting screen.

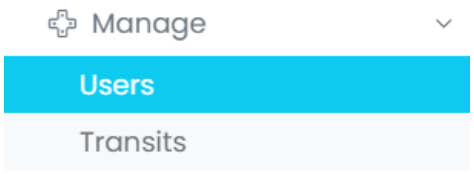
Here we will therefore define what actions will then be performed at the stroke of each event.
Description: identifies the action.
Action Terminal: identifies the terminal that will perform the action.
Record: if checked, saves a transaction when each event expires.
NB: The setting of the parameters of the buzzer, relay, etc., depends on the type of terminal on which you want the action to be performed.

Once we have established the various actions that can be performed, we must specify the day and time when these events must occur.
Pressing the insert Programming button located below the graph will give the user the opportunity to enter a new programmed action.
Then choose the action you want to perform, the day and time you want to perform it, and press Save.
Attention: with these settings it is possible to define when to perform actions (e.g. timed opening and closing), but if the concentrator is not active at the time when the action should occur, it is not executed.

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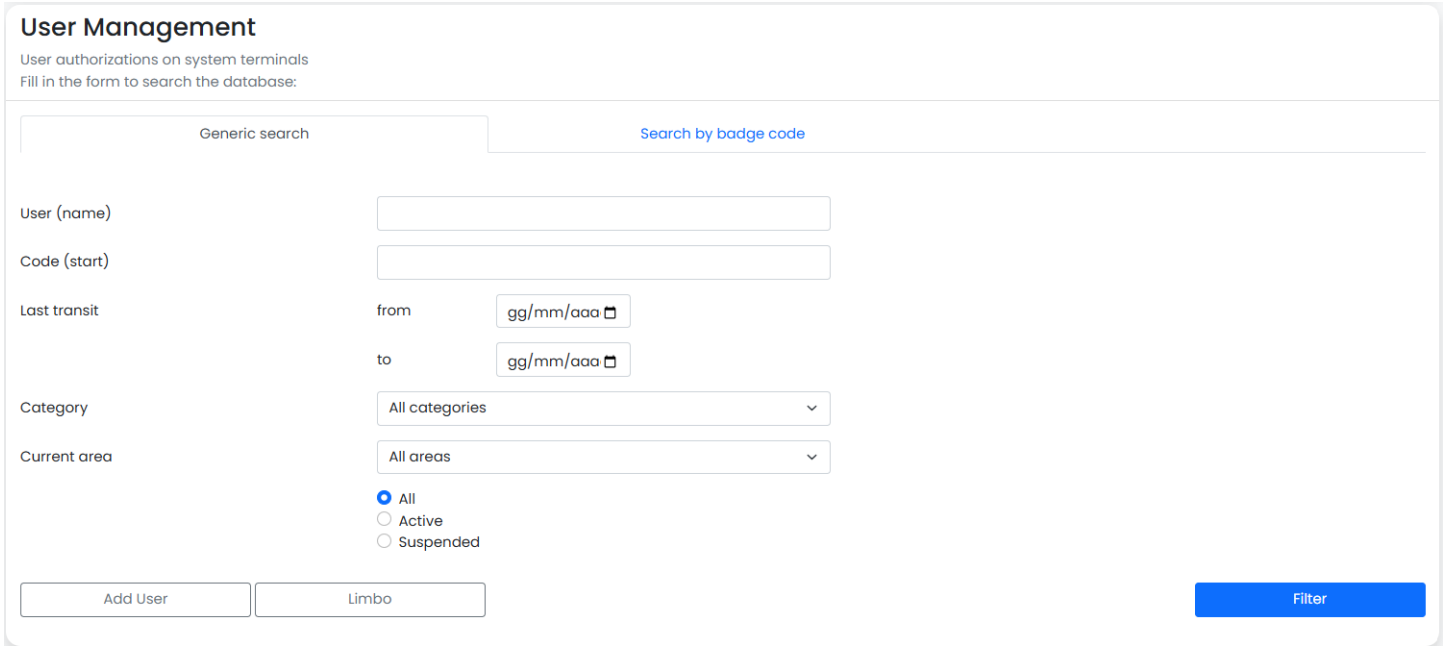
MANAGE



The Manage section allows you to administer users and monitor transactions.

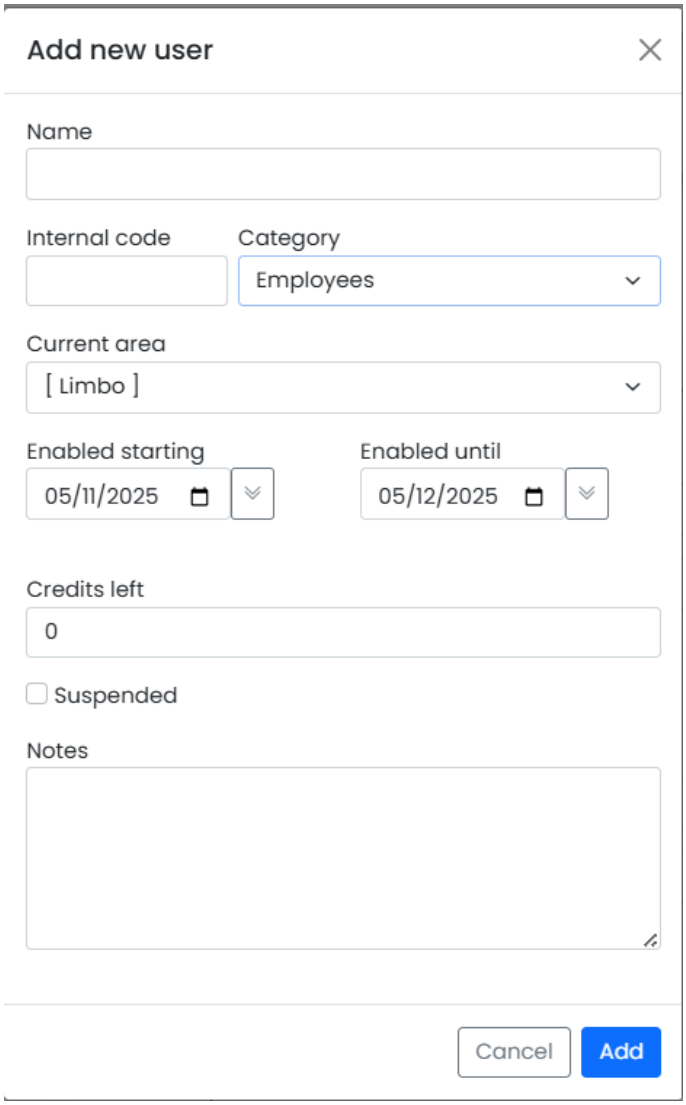
USERS

The Users screen is presented with a filter that gives the possibility to view the entered users.
In addition to the basic data of the user, the area in which he is currently located is visible, so it is always possible to locate the user.
Thanks to the **Limbo** button it is possible to start a procedure that allows you to set the current area of all users as Limbo. This option is very convenient after extraordinary interventions, such as temporary shutdown of the system for maintenance.
From this screen you can access the user entry screen using the **Add User** button.



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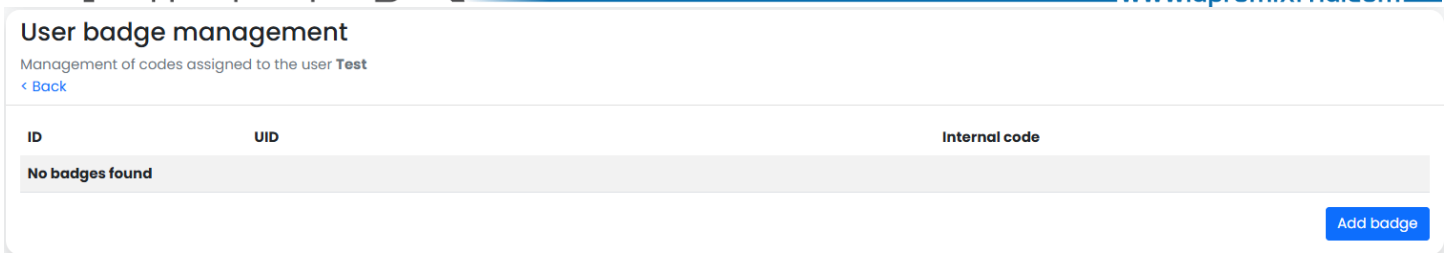


Specify the name of the user and the **Internal Code**.

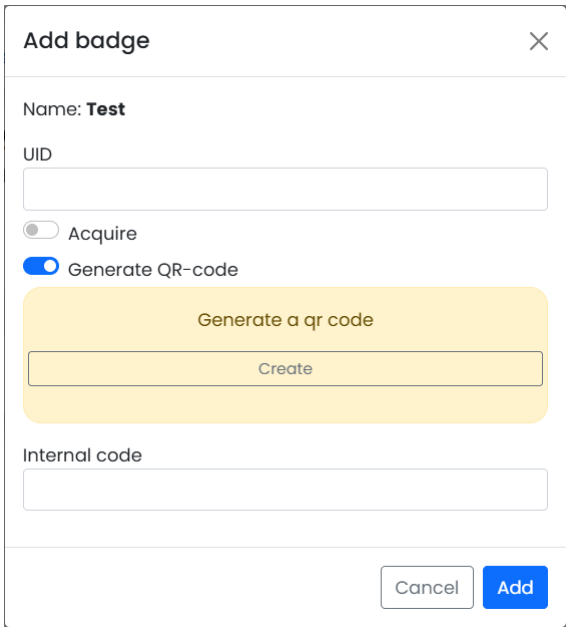
Choose the **Category** and then the **Current Area**. The current area is important because it can affect the user's ability to transit. Setting this value incorrectly could lock the user into the area where he is. It is therefore recommended that you set up each new user in the Limbo area.
Credits left: credit that the user has. At the end of the points, the user will no longer be allowed to pass through the terminals that require points (see the **Authorizations** page).
Enabled starting and **Enabled until** define the time period in which the user is enabled. The default values when entering a new user are respectively today's date and date in a month. However, they can be modified by entering the data manually or by selecting the calendar.
Suspended is used to temporarily disable the user.

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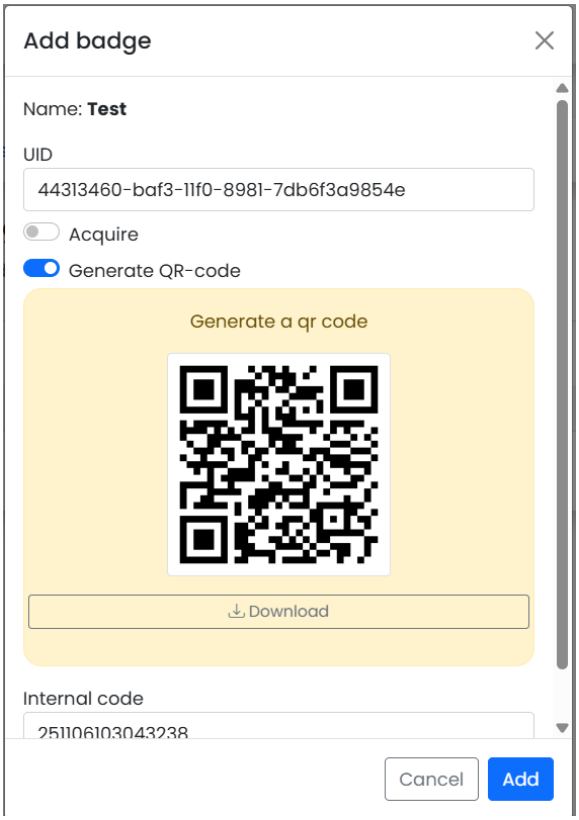
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After successfully saving the user, a new box at the bottom becomes visible, containing the list of badges associated with the user.
To assign a new badge to the user:
- press [**Add Badge**]
It is possible to assign a badge manually by entering the code from the keyboard, from the validator, or by acquiring the code by reading the badge itself on the specified terminal.



Another way to add a badge is to generate a QR-code that will be generated and can be downloaded with the create button

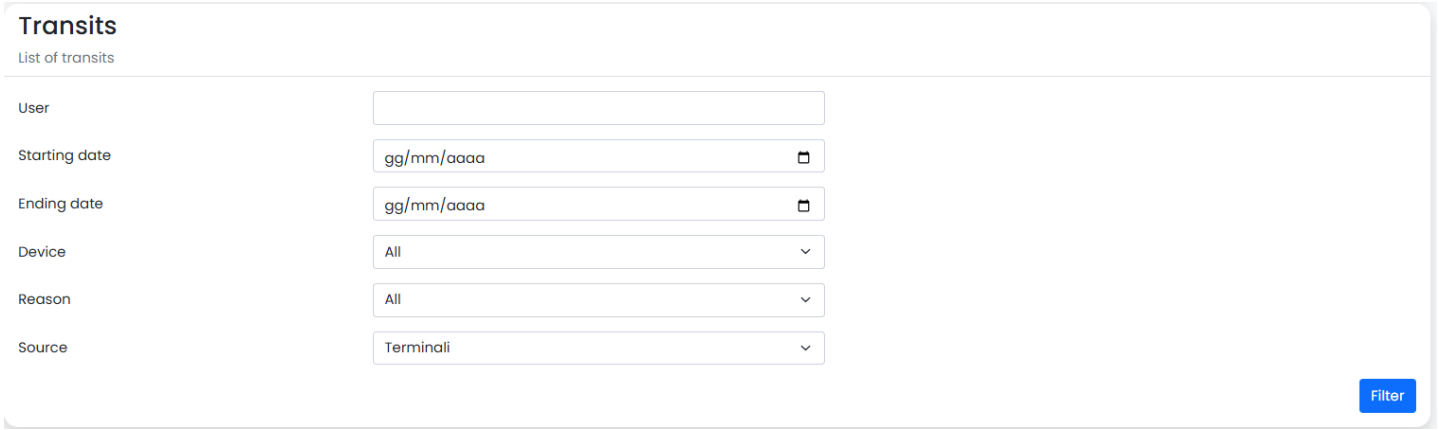


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TRANSITS

The transits page provides the user with a list of the transits that have taken place.



At the top of the page there is a filter thanks to which it is possible to see only the transactions that interest us.
Transactions are displayed in blocks managed by numbered pages starting from the most recent, to display the remaining ones with the "<", ">" keys or with the numbers.

DISCONNECT



By pressing the Disconnect button you will be redirected to the authentication page where you can log in again with your credentials.

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CONFIGURATION EXAMPLES

For convenience, we will keep three time slots valid for all examples in addition to the **always enabled** and **never enabled**:

- Rigid slot
  - 9:00 – 13:00
  - 14:30 – 18:30
- Office slot
  - 8:00 – 13:30
  - 14:00 – 20:00
- Full time
  - 7:00 – 20:00

In addition, there will always be the External area which can always be accessed and whose activation does not provide for the Anti Pass-Back.

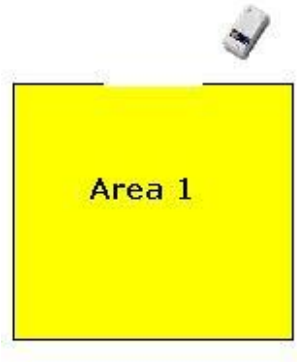
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Example 1

The most trivial example is that of an area with an access terminal.

External



System features:

- 1 Terminal
- 1 Input
- 2 Areas
  - External
  - Area 1
- No Anti Pass Back Area or Time

Configuration:

Device:

- Area of origin: External
- Destination Area: Area 1
- Neutral to destination: YES
- Activated: YES

Authorizations

- Category: Level 1
- Area: Area 1
- Register transits: YES
- Inhibit Time: 0
- Do not check the area of origin: YES (NO Anti Pass Back Area)
- Monday: Rigid Slot
- Tuesday: Office Slot
  - Etc...

In this way, all users of the Level 1 category will be able to access Area 1 according to the times of the slots established on the various days freely.
Having only one terminal it is necessary not to have the anti Pass-Back area as once entered the user could no longer re-enter, this is due to the lack of a terminal that records the exit.
In this case, in addition to the configuration seen, I could have:

- Neutral to Destination: NO
- Do not verify the area of origin: YES

I am always able to transit because once passed the user is registered in Area 1 and trying to re-enter the verification check of the area in which he is located is not performed.
Or:

- Neutral To Destination: YES
- Do not check the area of origin: NO

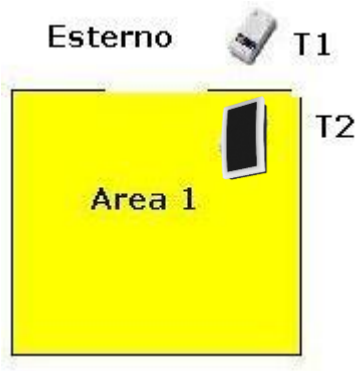
In this case, the user always remains registered in the external area and even by checking the current area he can always transit.

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Example 2

An area with 2 terminals



System features

- 1 Input
- 2 Terminals
- 2 Areas
- Anti pass Back area

Configurations

Devices

- T1
  - Area of origin: External
  - Destination area: Area 1
  - Neutral to destination: ?
  - Activated: YES
- T2
  - Area of origin: Area 1
  - Destination Area: External
  - Neutral to destination: ?
  - Activated: YES

Authorizations

- Category: Level 1
- Area: Area 1
- Register transits: YES
- Inhibit Time: 0
- Do not check the area of origin: ? (Anti Pass Back Area)
- Monday: Rigid Slot
- Tuesday: Office Slot

The items **Neutral Towards Destination** and **Do not check area of origin** are left pending because, by setting them with appropriate combinations, you can choose to have a rigid management of the system or a more flexible one.

Rigid management

Features

- Know where the user is
- Anti Pass Back Area

Configuration

T1 and T2

- Neutral to destination: NO

Authorization

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- Do not check the area of origin: NO

With this configuration, every time a user makes a transit he is registered in the destination area (Neutral towards destination), if the system identifies him in an area and the user tries to transit to it again, the transit is denied (Do not verify area of origin)
In this way I can precisely locate the user and force him to pass the card in the terminal even at the exit.

Flexible management

Features

- No Anti pass-back
- I don't care where the user is

Configuration

T1 and T2

- Neutral to destination: YES

Authorization

- Do not verify the area of origin: YES

The system does not check if the user who passes through is already present in the area and does not register the change.

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