

EVAC[☁] Cloud

User's Manual



EVAC CLOUD DEVICE

Cyber-secure remote connection and EN54-16 monitoring

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1 INTRODUCTION

EVAC Cloud is a revolutionary platform that redefines the management of **PA/VA** systems, offering **advanced remote access** for **real-time monitoring** and optimized **system configuration**.

One of its key benefits is the ability to **centrally** manage multiple facilities, **simplifying monitoring** and **maintenance** from any location. The platform is designed to be **easy to use** and compatible with **EN-54** certified systems, allowing remote access to these devices quickly and securely.

EVAC Cloud also stands out for its focus on **communications security**, ensuring that all transmitted data is protected using robust encryption methods. This ensures that administrators can securely control fleets of devices, configure parameters, and manage users with confidence, minimizing the risks of unauthorized access or security breaches.

In short, the platform not only optimizes operational efficiency, but also offers a secure infrastructure for the end-to-end management of **PA/VA systems**.

2 INPUTS AND OUTPUTS

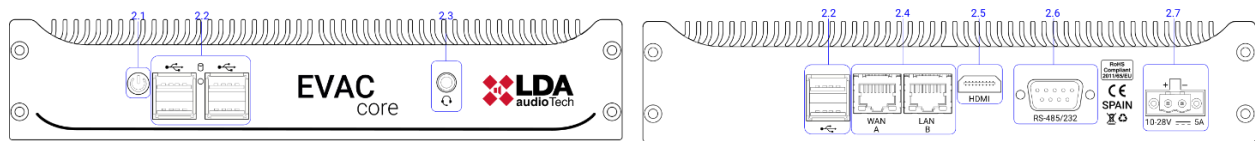


Figure 1. Front and back panels of the EVAC Cloud device.

2.1 Power button

Turn the device on and off. Note that the equipment turns on automatically when connected to the electrical current.

2.2 USB Ports

Allows the connection of standard input and output peripherals, such as a keyboard or storage drive.

2.3 Audio input and output port

3.5mm female CTIA type jack connector.

2.4 Ethernet Ports

Two ethernet ports, one for connection to the Internet with the **WAN** label and one for connection to **EN54-16** systems with the **LAN** label.

2.5 HDMI port

Video output of the equipment.

2.6 RS-485/232 port

9-pin **Sub-D** type connector for **RS-485** or **RS-232** communications.

NOTE: by default it is configured as **RS-485**, for the **RS-232 configuration** it has to be ordered at the factory.

2.7 Power input

2-pin **Euroblock** type connector.

3 INSTALLATION

3.1 Rack mounting

Along with the **EVAC Cloud** device, the necessary parts for its mounting and rack installation are supplied:

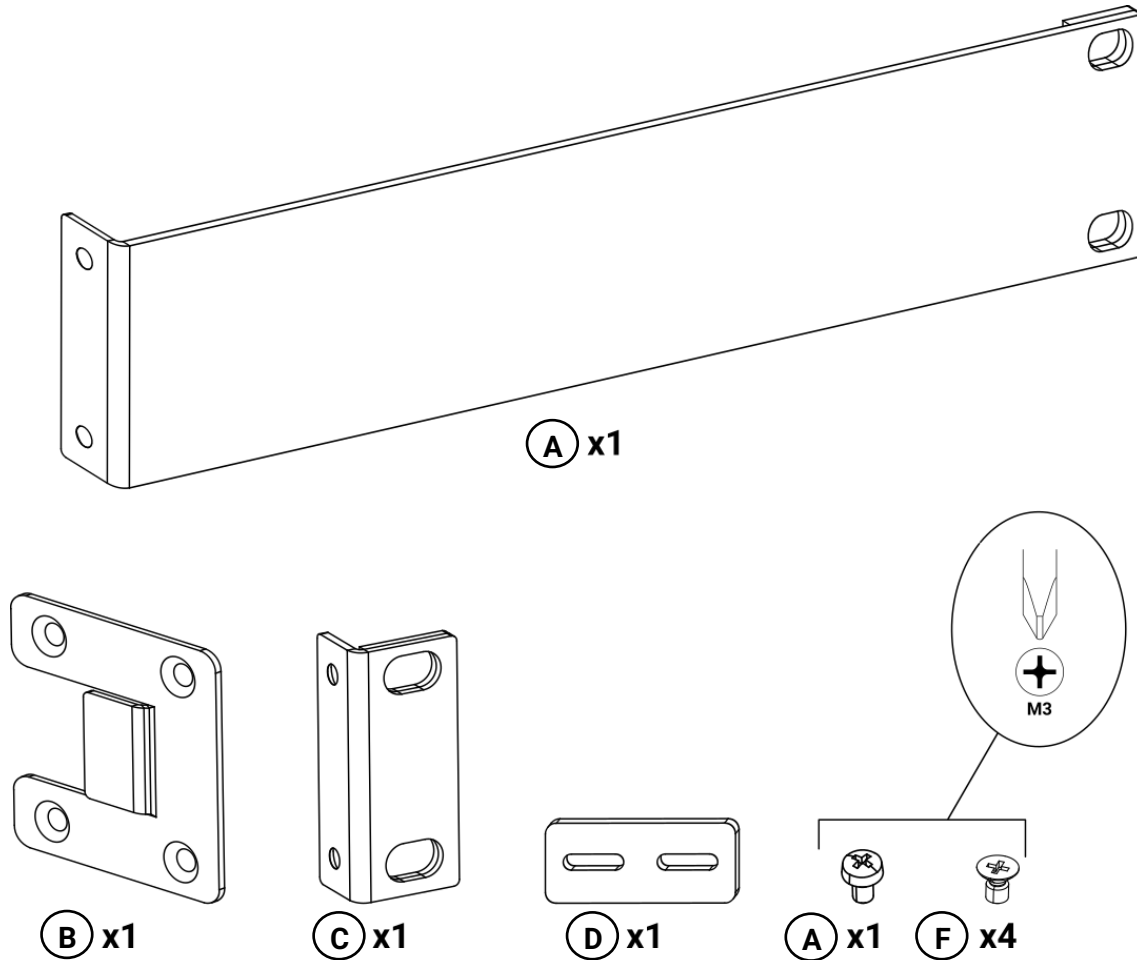


Figure 2. Parts supplied for rack mounting.

- A.** 1 × Long fixing bracket.
- B.** 1 × Side Binding Plate.
- C.** 2 × Short fixing bracket.
- D.** 1 × Rear Junction Plate.
- E.** 1 × M3 pan head screw.
- F.** 4 × M3 countersunk screw.

3.1.1 Single-device rack mounting

For rack mounting of a single device, the following parts will be required:

- A. 1 × Long fixing bracket.
- C. 1 × Short fixing bracket.
- F. 4 × M3 countersunk screw.

Mounting the short fixing bracket using two countersunk screws:

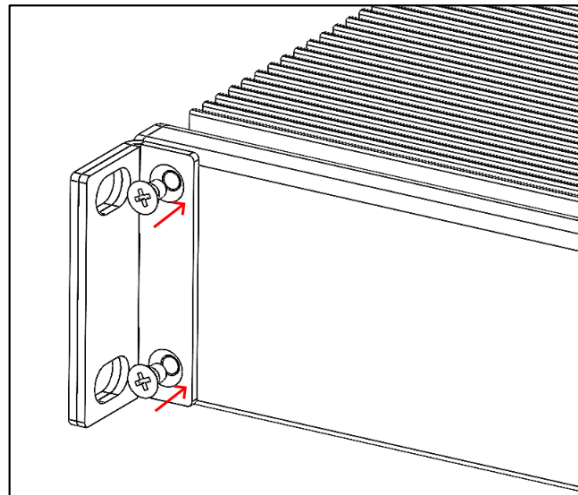


Figure 3. Short ear assembly.

Mounting the long fixing bracket using two countersunk screws:

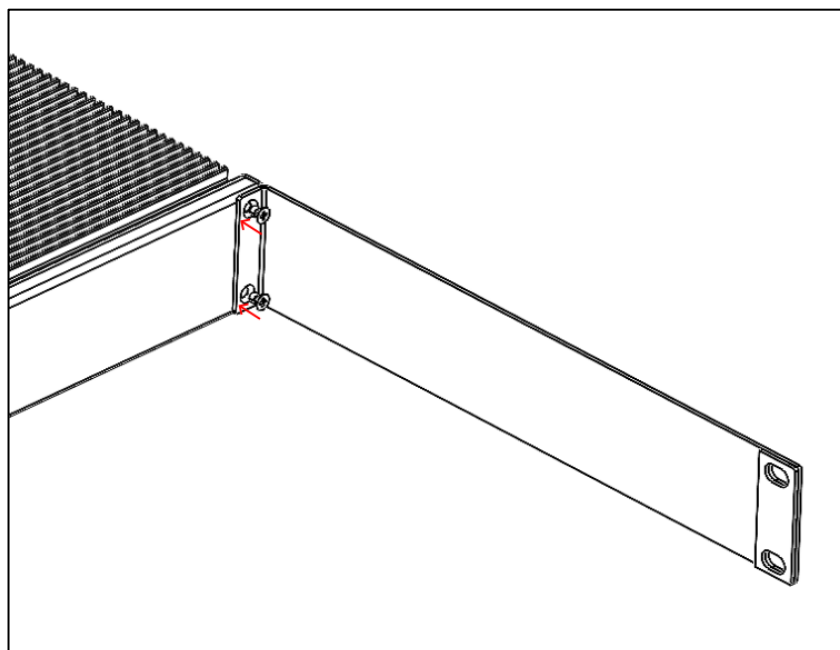


Figure 4. Long ear assembly.

Rack-ready device:

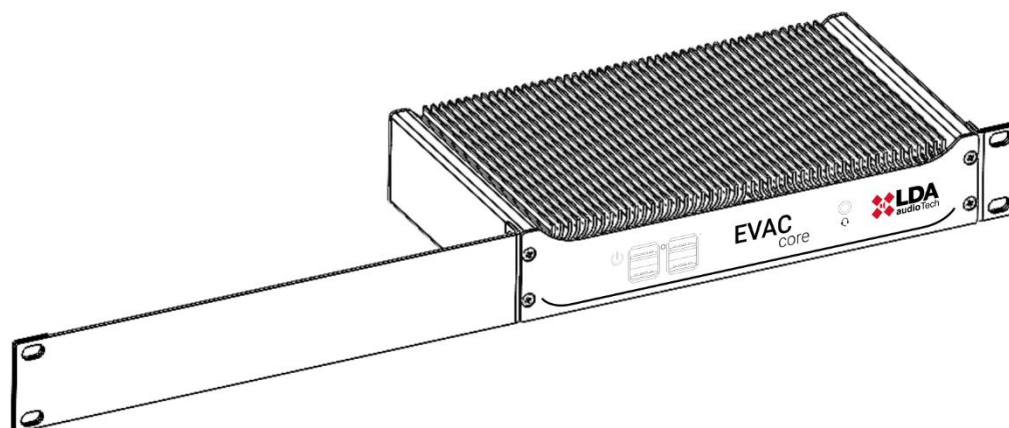


Figure 5. Rackmount of a single EVAC Core device.

3.1.2 Joint assembly of two devices

The following parts shall be used for the joint rack mounting of two devices:

- B.** 2 × Side Binding Plate.
- C.** 2 × Short fixing bracket.
- D.** 1 × Rear Junction Plate.
- E.** 2 × M3 pan head screw.
- F.** 8 × M3 countersunk screw.

Fastening the short fixing bracket using two countersunk screws:

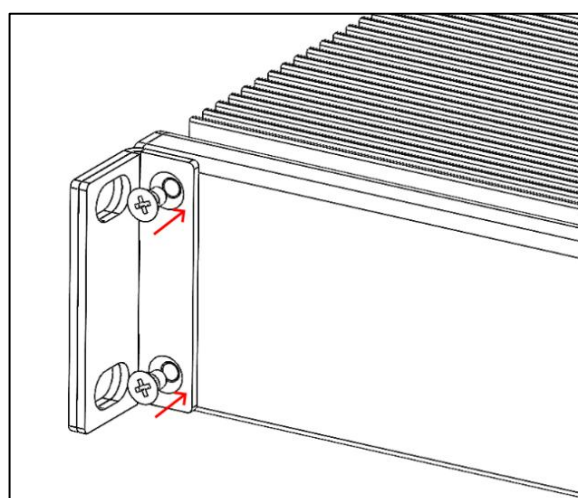


Figure 6. Short ear support.

Clamping the side joint plate using two countersunk screws:

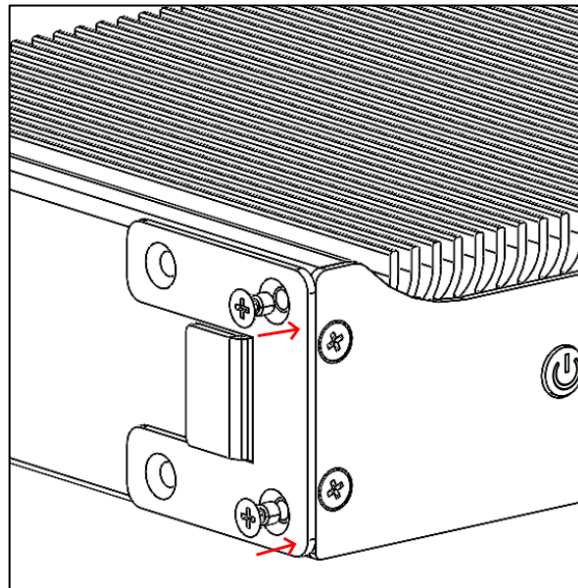


Figure 7. Side plate fastening.

On the second **EVAC Core** device, the short clamping bracket and the side joint plate shall be mounted on the opposite sides to those of the first device. In addition, the side plate must be placed with its ends pointing in the opposite direction, so that the union of both devices is stabilized by the insertion of both tabs between them:

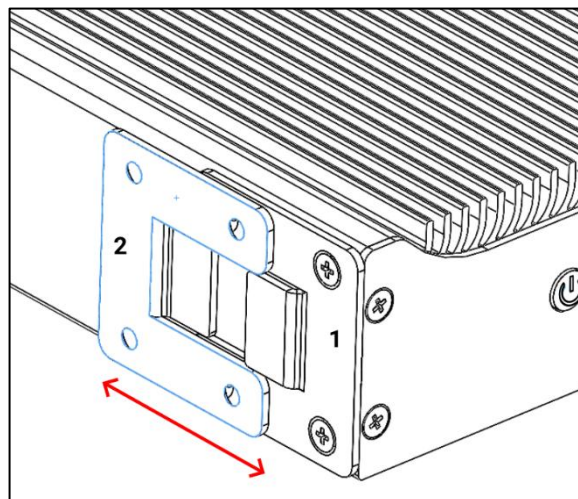


Figure 8. Insertion of the side plate of both devices.

Once both devices have been fixed by means of the side joint plate and to reinforce it, the rear joint plate will be fastened using the pan screws of both devices:

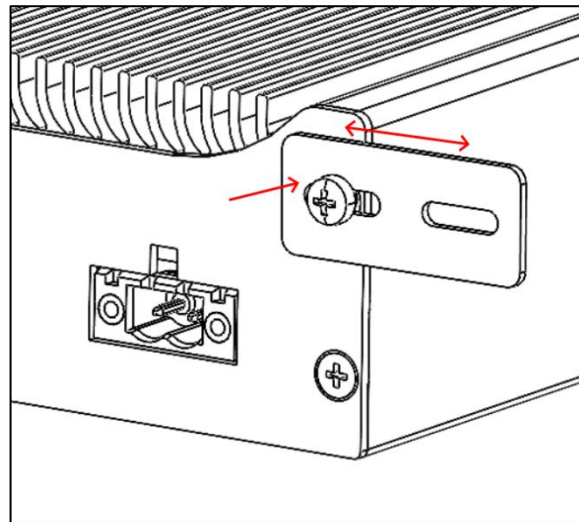


Figure 9. Rear plate fastening.

Schematic summary of the assembly of two **EVAC Core** devices with all the parts after which both will be ready for rack installation:

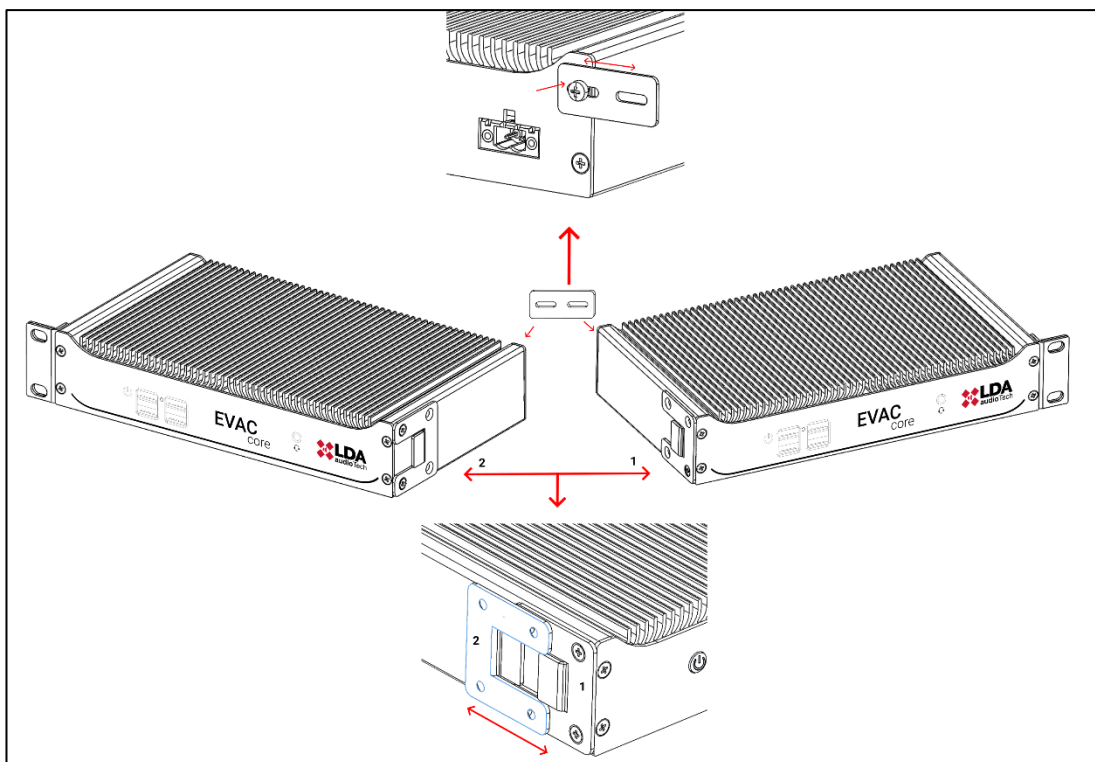


Figure 10. Scheme of joint rack mounting of two EVAC Core devices.

3.2 Device connection

For the correct connection between EVAC Cloud and a NEO/NEO+ system, an Ethernet cable must be used and connected between the EVAC Cloud LAN port and the NEO/NEO+ control data port.

- **WAN Port:** This is the port intended for connection to the Internet, allowing EVAC Cloud to access cloud services and establish remote communication.
- **LAN Port:** This port connects EVAC Cloud to the NEO/NEO+ system via the X port of the connection bay, used exclusively for control data.

NOTE: The WAN and LAN ports should not be on the same network, as this could generate a network loop (storm), affecting the stability and operation of the system.

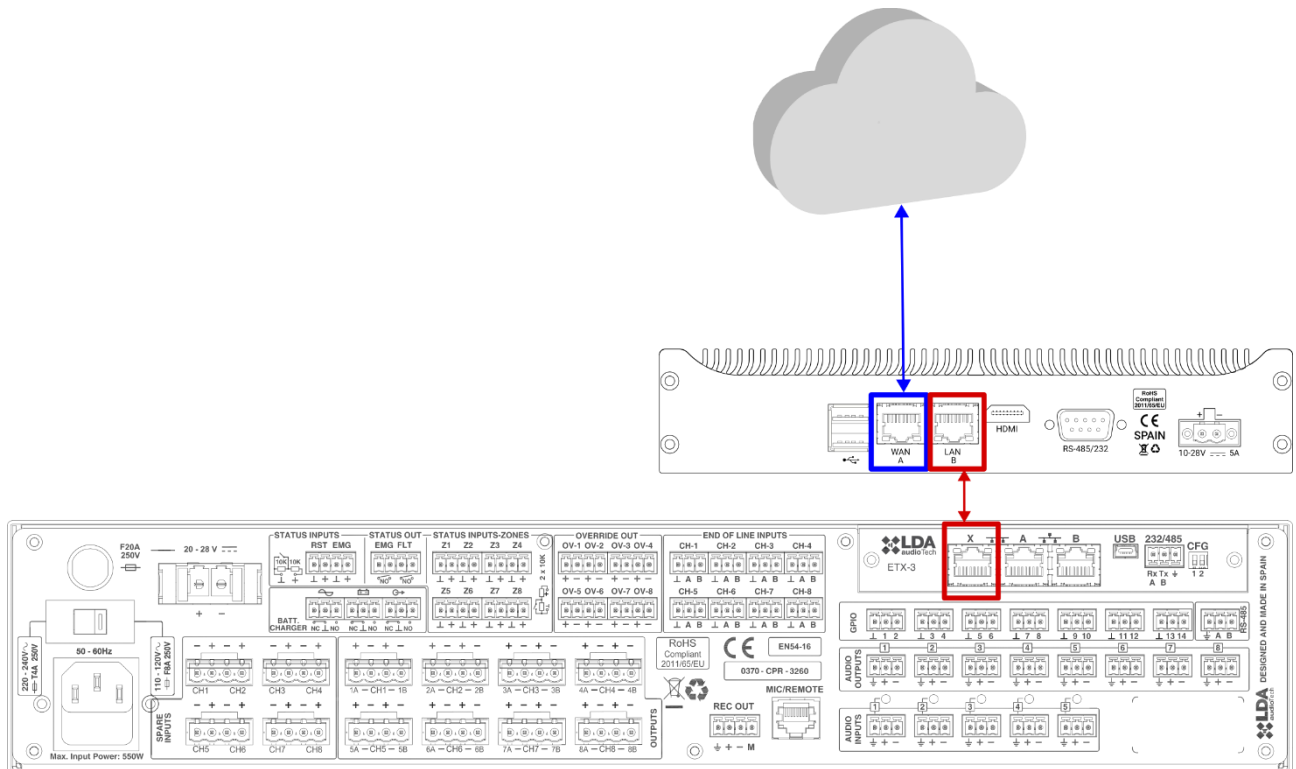


Figure 11. Device connection

4 HDMI CONSOLE

Plugging a monitor into the **HDMI** port will display the system console where you can display messages regarding:

- **Starting or ending the EVAC Cloud service**, both at startup and at its end after a shutdown or restart of the device or service.
- **Device identifier**. Value that will present the following format:
EVACCloud-aabbcc
- Where "***aabbcc***" is a six-character alphanumeric string that can contain both numbers and lowercase letters. An example of a possible device identifier could be:
EVACCloud-645595
- **Status and configuration of LAN and WAN network interfaces**, updating the values when any changes occur in them.
- **Device connection status with the LDA Audio Tech cloud**.
- Indication of whether the last boot occurred by activation of the **watchdog** of the EVAC Cloud device.

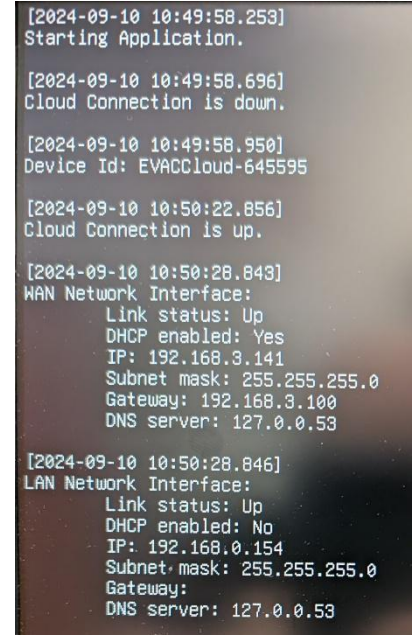


Figure 12. HDMI console.

5 LOCAL CONFIGURATION WEBSITE

To access the web application, it will be necessary to have a computer with an up-to-date web browser and connected on the same local network as the **LAN** port of the **EVAC Cloud** device. In the browser's address bar, enter the following device URL, which will have the following format:

https://evaccloud-aabbcc.local

The string "**evaccloud-aabbcc**" corresponds to the device identifier, in which, as described in the previous point, "**aabbcc**" is an alphanumeric string of six characters that can contain both numbers and lowercase letters. A possible URL could be:

https://evaccloud-645595.local

It is also possible to use the IP address of the **LAN** interface. Out of the box, this address is set to "**192.168.0.254**":

https://192.168.0.254

Once the URL is entered in the browser, you will be taken directly to the EVAC Cloud device's local web login page. This page is the gateway for device configuration and management.

5.1 Download certificate for local website

If, once the website has loaded, the following message appears:

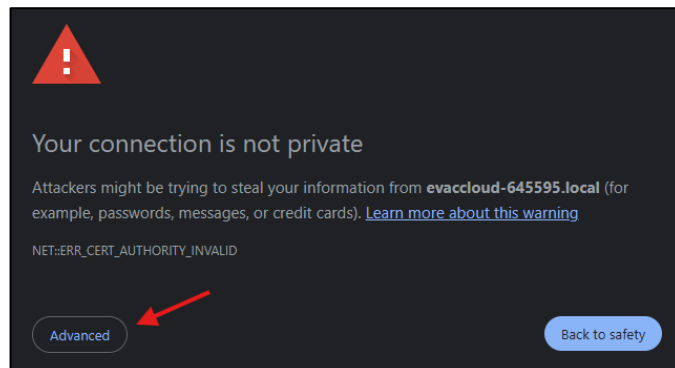


Figure 13. Privacy error.

You will have to click on the "**Advanced settings**" button located in the bottom left corner. The window with the warning message will expand to show additional information:

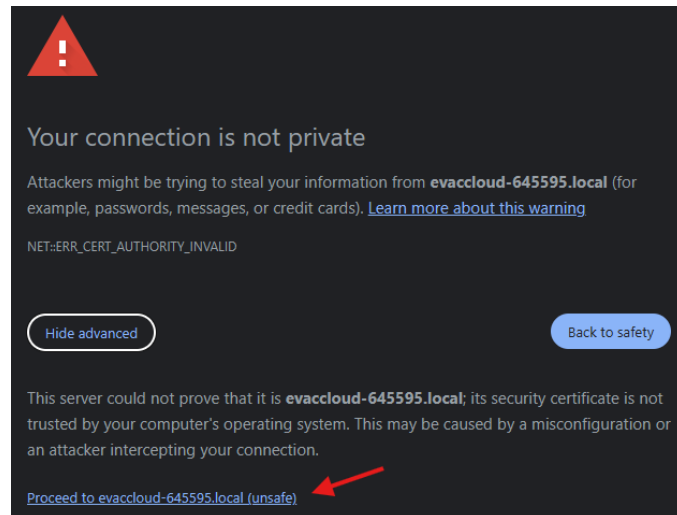


Figure 14. Privacy error 2.

Next, click on the "Access..." link at the bottom, where the URL entered in the browser will be displayed.

The screenshots shown belong to **Google Chrome**, with other browsers warning windows very similar to those shown here will be displayed.

After you have followed all the steps described above, The login page of the local website of the EVAC Cloud device will finally be displayed:

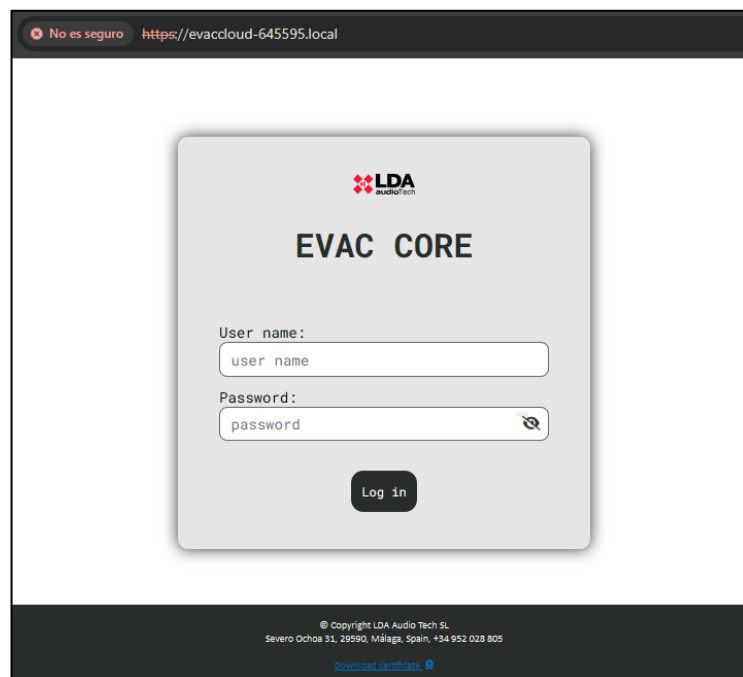


Figure 15. Login page.

At the bottom or footer of the website page, a link is shown with the text **"Download certificate"**:

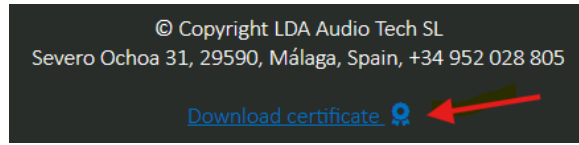


Figure 16. Download certificate.

By clicking on this link, you will proceed with the download of the certificate that, once installed, will allow secure access to the local website.

Once downloaded, you must go to the folder where the certificate file has been saved and double-click on it to start the certificate installation wizard:

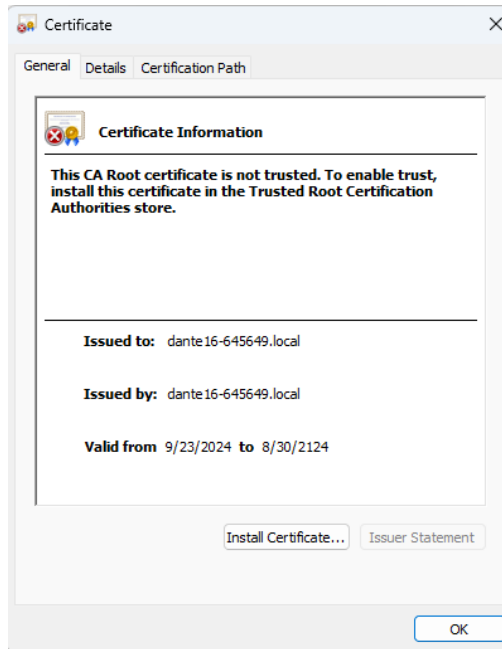


Figure 17. Certificate.

Click on the **"Install certificate..."** button and select the **"Current user"** option in the **"Storage location"** section and click on the **"Next"** button:

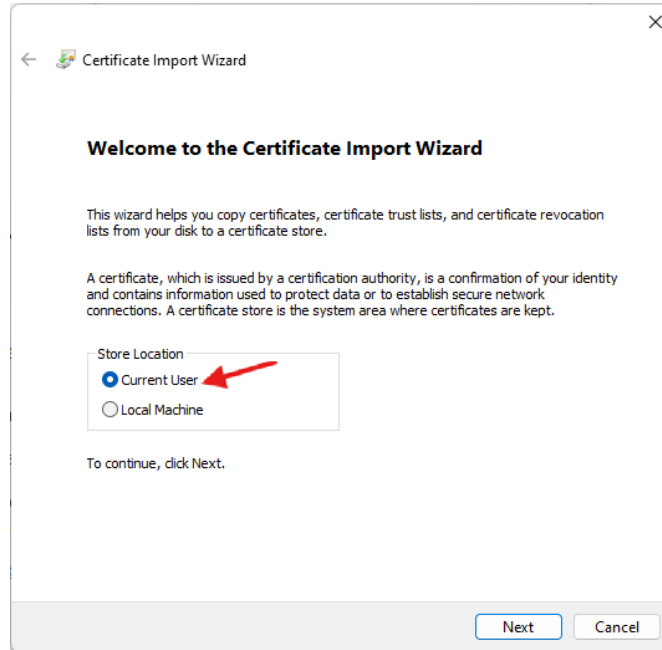


Figure 18. Certificate installation wizard.

Select the option "**Place all certificates in the following storage**" and click the "**Browse...**" button:

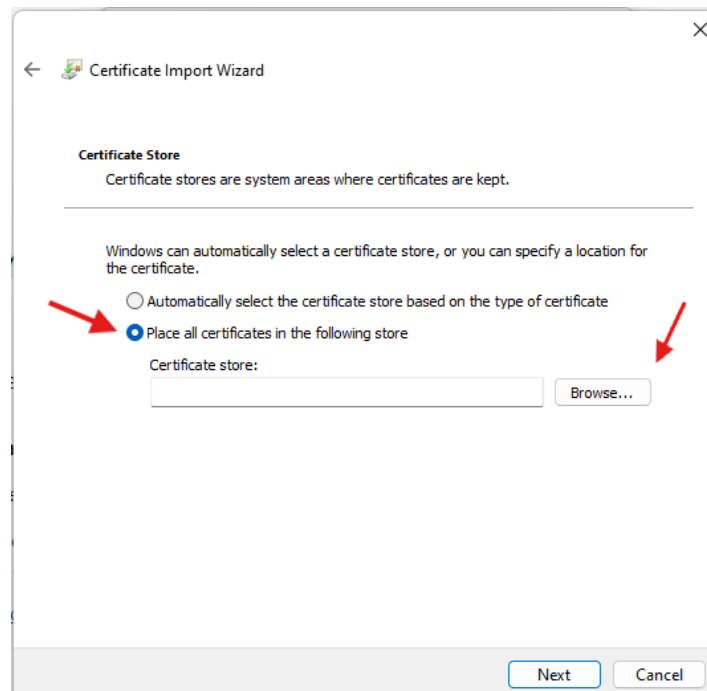


Figure 19. Certificate store.

Select the **"Trusted Root Certification Authorities"** option in the new window and click the **"OK"** button:

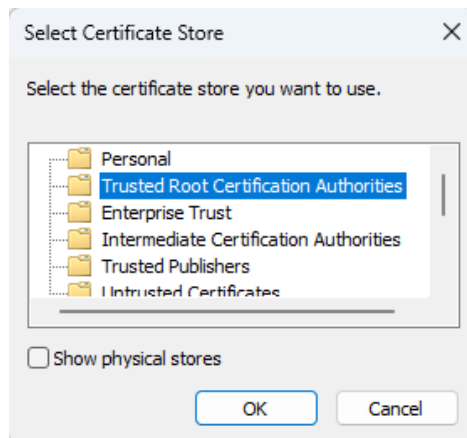


Figure 20. Certificate store selection.

The pop-up window will close, and you would have to press the **"Next"** button:

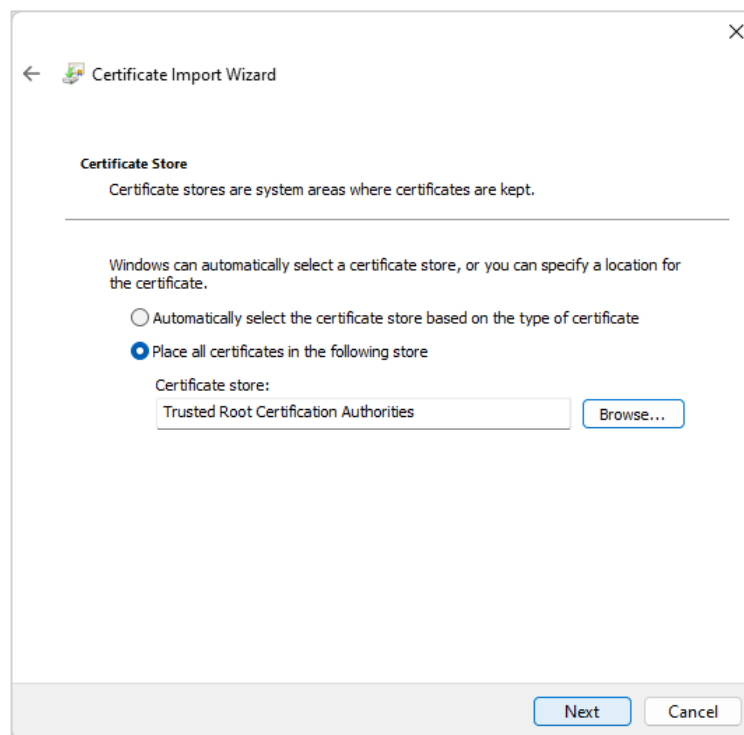


Figure 21. Certificate store acknowledgment.

Finally, you must click on the **"Finish"** button:

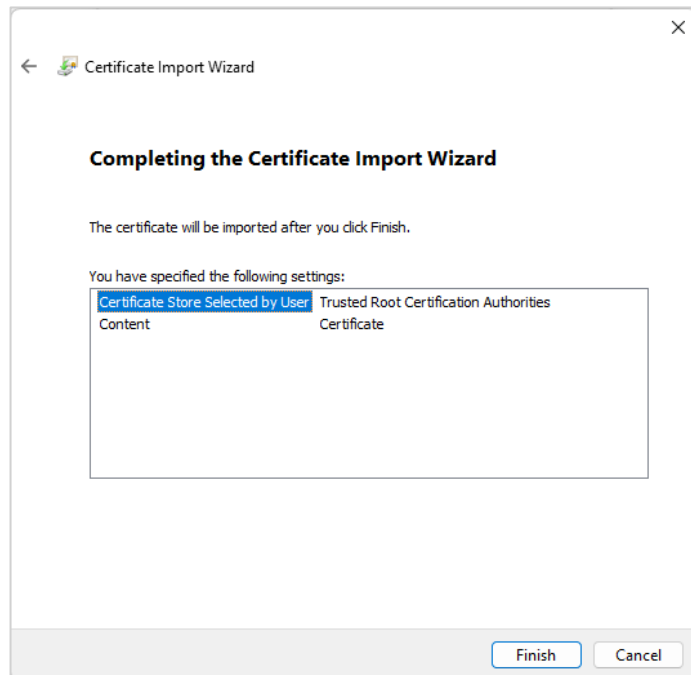


Figure 22. Completing the Install Certificates Wizard.

Confirm the installation by pressing the **"Yes"** button:

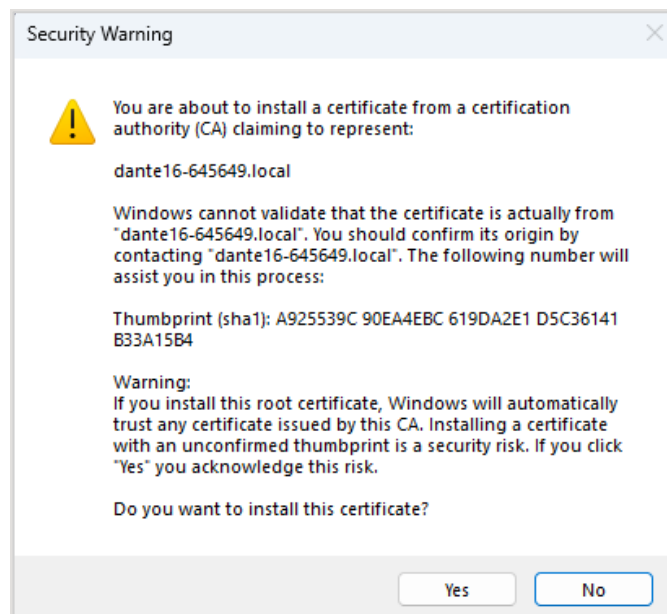


Figure 23. Safety warning when installing certificate.

If everything has gone well, the confirmation message will appear:

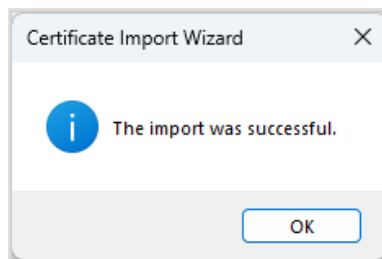


Figure 24. Certificate installation confirmation.

It is advisable to restart the web browser by closing all its windows. Once restarted, reloading the device's local website will no longer display the notice that the website is not secure:

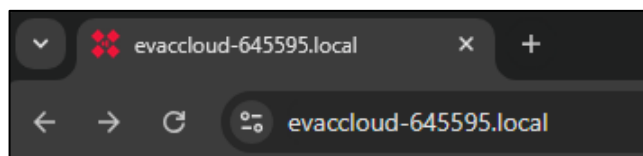


Figure 25. URL to access the website.

6 LOGIN

Once you access the EVAC Cloud website, the first page shown is the login page. On this page, you must enter the credentials provided, which include the username and password assigned to access the device settings (see section 7.3.3(a) Users).

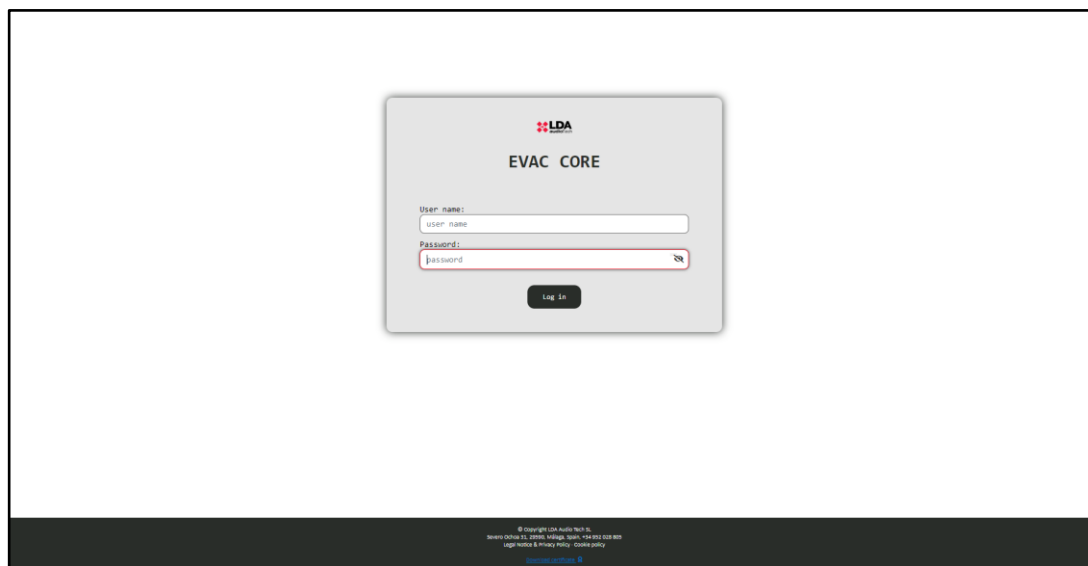


Figure 26. Login page.

The system comes factory configured with an access account with the following credentials:

- Username: **core**
- Password: **G2BepK2Hj%mcKY**

7 CONTENT DISTRIBUTION

Once logged in, you access the main page of the EVAC Cloud, where you can distinguish three main zones.

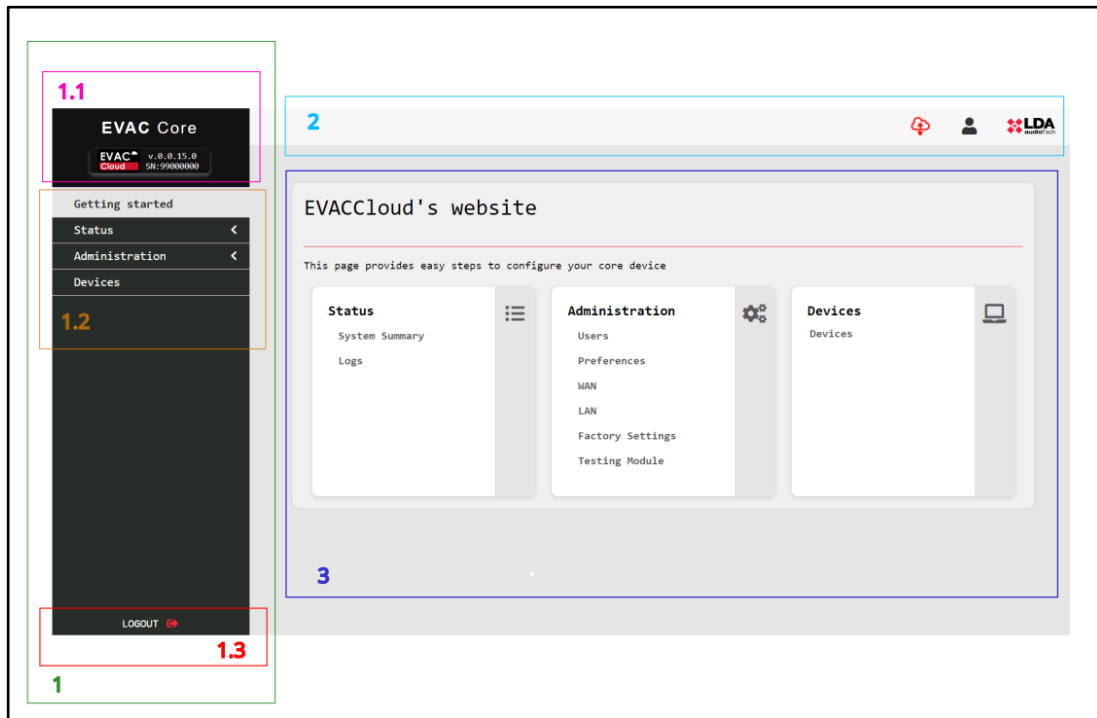


Figure 27. Content distribution.

1. Side menu.
 - 1.1. Header.
 - 1.2. Drop-down menu.
 - 1.3. Logout.
2. Top bar.
3. Content.

7.1 Side menu

7.1.1 Header

Located in the upper left, it shows the main parameters that identify the device; **Model**, **application version** and **serial number**:

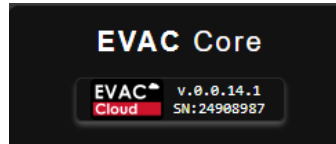


Figure 28. Side menu header.

- **Device model:** In this case it is an **EVAC Cloud model**.
- **Device Version:** The number of **software version** that is running on the device.
- **Serial number:** This value is a unique identifier, which will be necessary if you contact the technical support department of **LDA Audio Tech**.

7.1.2 Drop-down menu

Secondly, there is the drop-down menu, which organizes the available screens into main groups and subgroups.

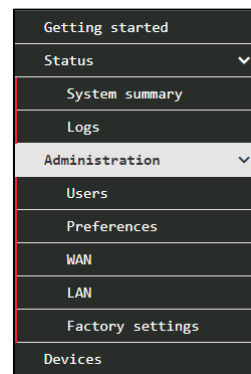


Figure 29. Side drop-down menu.

7.1.3 Logging Out

Thirdly, within the side menu, there is the button to log out of the user.

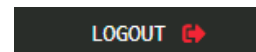


Figure 30. Sign-out button.

7.2 Top Bar

The top bar displays, on its far right, information about the LDA Audio Tech cloud connection status, basic information and user session control functions.



Figure 31. Top bar.

7.2.1 LDA Audio Tech Cloud Connection Status

This icon shows the **status of the device's connection to the LDA Audio Tech cloud**. If the **EVAC Cloud** device is successfully connected to the Internet through its **WAN** interface and has a subscription enabled that allows access to remote monitoring services, the icon will appear green indicating that the connection is active. Otherwise, the icon will appear red.



Figure 33 Active connection to the LDA Audio Tech cloud.



Figure 32. Non-active connection to the LDA Audio Tech cloud.

7.2.2 User Panel

To the right of the cloud connection status indicator, there is an icon that, when clicked, displays a small window that offers information and basic functions about the logged-in user's account:

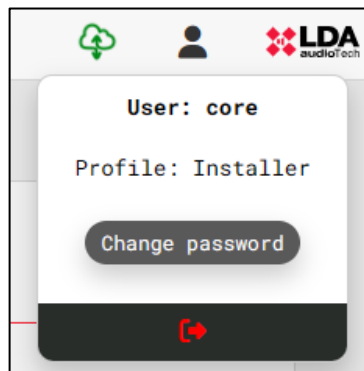


Figure 34. User information drop-down menu.

- **User:** Displays the name of the user who is logged in.
- **Profile:** Displays the profile corresponding to the user.
- **Change password:** Allows the user to change their current password to a new one. Only local users can change their password to access the device's local website. Users who connect to the web via the cloud using remote management applications cannot change their credentials on the local web as these are managed through the **LDA Audio Tech cloud**.

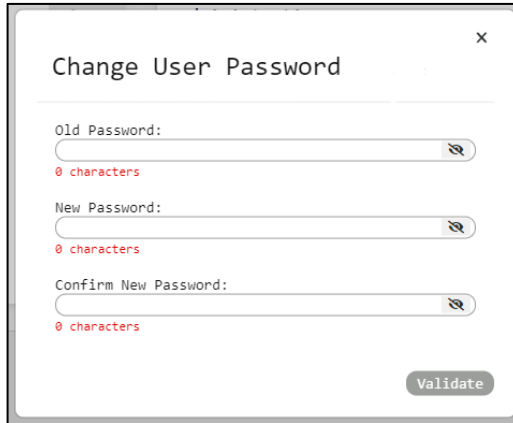


Figure 35. Login user password change window.

- **Logout:** Ends the current session in the **EVAC Cloud** web application, returning to the authentication page.



Figure 36. Logout.

7.3 Content

7.3.1 Getting started

This section of the website is the one that is displayed by default after accessing the user's correct authentication and offers shortcuts organized according to the groups of content available.

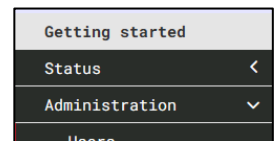


Figure 37. Getting started menu.

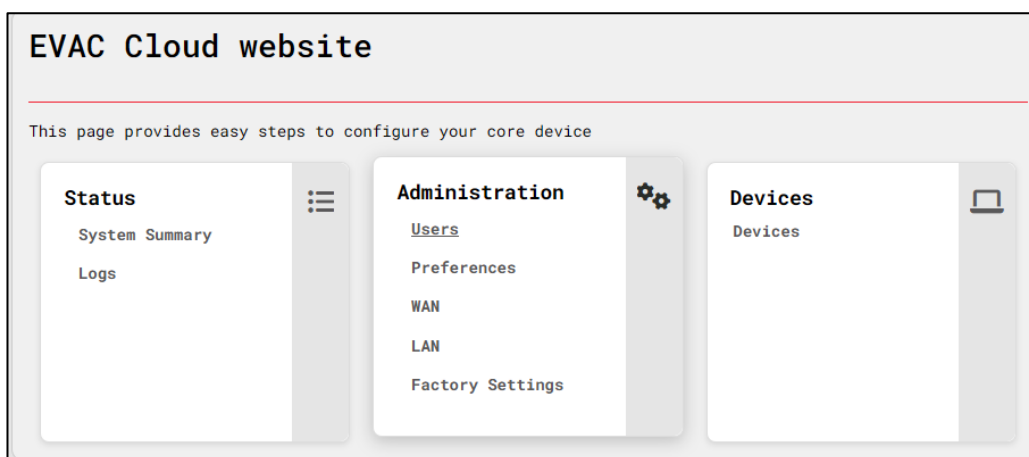


Figure 38. Getting Started window.

To access a specific screen, simply hover over the name of the desired content and click.

This structure makes it easy to navigate and access the various functionalities and configurations of **EVAC Cloud** intuitively and efficiently.

7.3.2 Status

The sections of this section group the basic information of the system, and its activity log are grouped together.

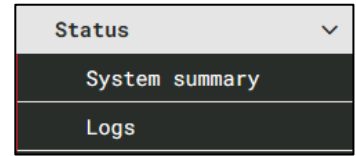


Figure 39. Status menu.

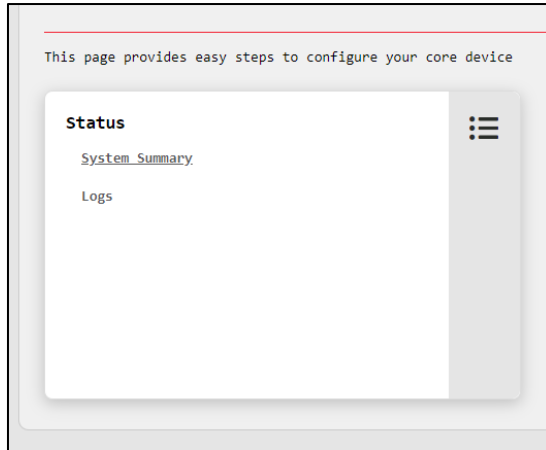


Figure 40. Shortcut selection.

(a) System summary

This screen shows a summary of the data from the **EVAC Cloud** equipment along with the information from it recorded in the **LDA Audio Tech cloud**. The information is divided into the **Cloud** and **System** groups and is detailed below.

(a).1. Cloud

- **Cloud connection state:** Shows whether the device is connected to the **LDA Audio Tech** cloud. This information corresponds to the status indicator in the top bar: green when there is a connection to the cloud and red when there is not.
- **License expiration date:** Indicates the date on which the contracted services will expire, providing the user with a clear reference on the validity of their license and the possible need for its renewal.

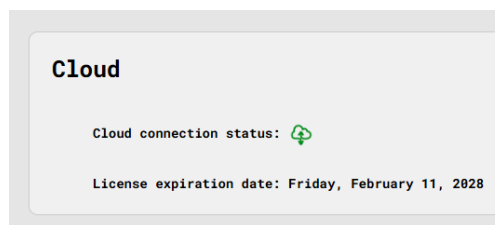


Figure 41. System summary. Cloud

(a).2. System

- **Serial number:** Serial number of the **EVAC Cloud device**.
- **Version number:** The current version of the device software.
- **Version of the Operation System:** Version of the Operating System.
- **Device Id:** Device identifier.
- **Name:** Displays the name assigned to the device.
- **Account name:** Name of the account or company to which the device belongs.
- **Country:** Country where the device is located.
- **Location:** Most specific physical location of the device
- **Project name:** The name of the project to which the device is assigned.
- **Dealer:** Authorized dealer of the device.

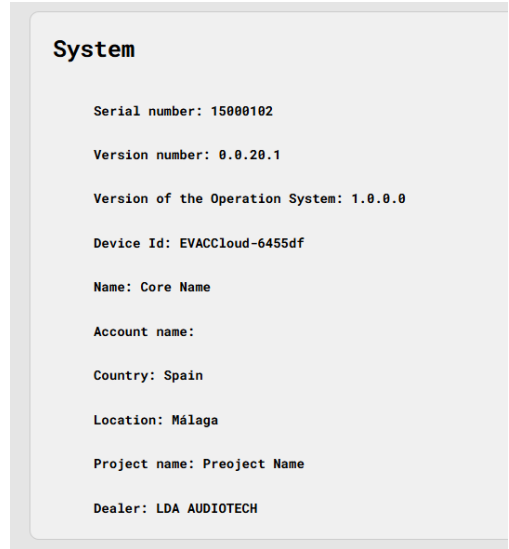


Figure 42. System Summary. System

(b) Logs

On this screen, you can request the download of the log containing the system activity log. By default, the activity log will not be displayed automatically but must be requested manually by clicking on the **"Show Logs"** button.

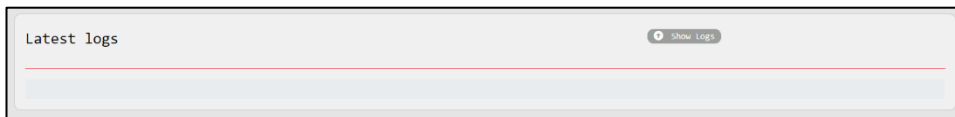


Figure 43. Logs.

After pressing this button, the log will be uploaded to the content panel, providing detailed information about the activities and events recorded by the **EVAC Cloud** device.

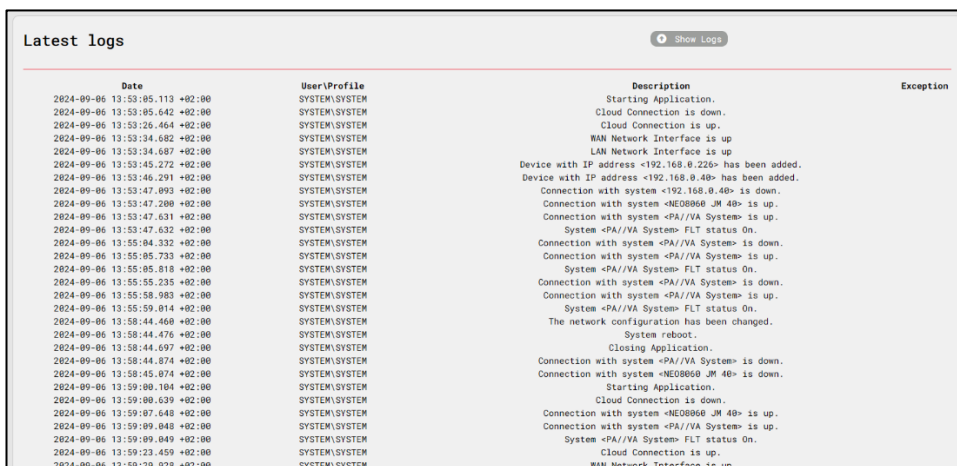


Figure 44. Log downloaded.

The columns display the following information.

- **Date:** The UTC date and time when the log entry was logged. The time can be set in the 7.3.3(b) Preferences.
- **User\Profile:** User and profile whose activity has produced the log entry point. For system-specific actions, the string "SYSTEM\SYSTEM" will be displayed.
- **Description:** Descriptive text of the recorded action or event.
- **Exception:** If the entry logs an error, this column will display extended information about the error.

7.3.3 Administration

The administration submenu gives access to the configuration of different functional sections of the **EVAC Cloud** system.

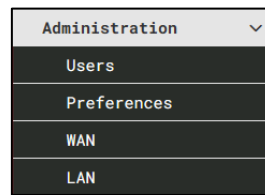
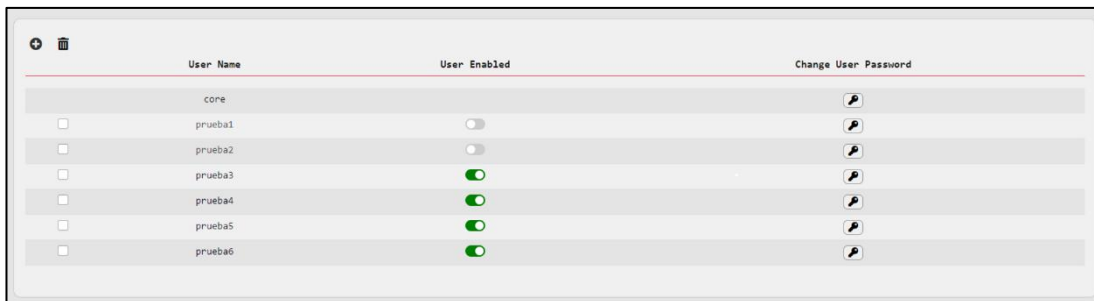


Figure 45. Administration submenu.

(a) Users

This section presents a table that lists existing local users. Local users are those who can only access the device's local website through its **LAN** interface. All users listed here will have an **installer** profile.



	User Name	User Enabled	Change User Password
	core		
<input type="checkbox"/>	prueba1	<input type="checkbox"/>	
<input type="checkbox"/>	prueba2	<input type="checkbox"/>	
<input type="checkbox"/>	prueba3	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	prueba4	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	prueba5	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	prueba6	<input checked="" type="checkbox"/>	

Figure 46. List of users.

The columns in the table display the following information:

- **User Name:** Unique identification of the user in the system.
- **User Enabled:** Indicates whether a user has access to the device's local website enabled.

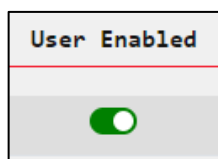


Figure 48. Enabled user.

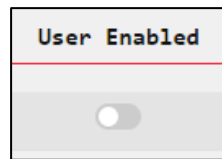


Figure 47. Disabled user.

- **Change User Password:** This column shows a button that when clicked allows you to change the user's password. This procedure will be described in detail later.



On the upper left corner of the table are the buttons to **add** and **remove** users. Both actions will be described in detail later.



(a).1. Add a new user

By pressing the first of the buttons mentioned above, a new user can be added to the system to access the local website. To add a new user, you will have to enter a **name** and password. This will have to be entered a second time to ensure that it is the desired value.



All added users will have an **Installer** profile.

Figure 49. Window to add a new user.

The password must contain at least 14 alphanumeric characters, one uppercase letter, and one symbol or special character.

If any of the fields are left blank or contain an invalid value, a related error message will be displayed:

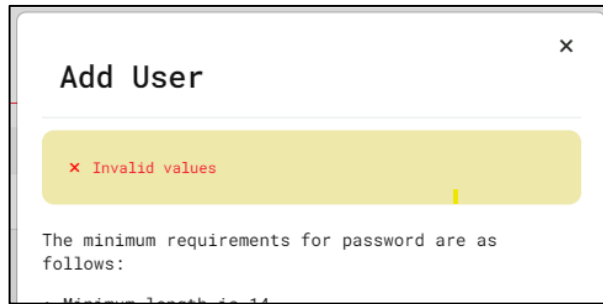


Figure 50. New user: Invalid value.

(a).2. Delete existing user

Users can be removed from the list using a multi-selection process. This procedure requires that the users to be removed must be selected by checking the boxes on the left side of each row.

The current user cannot delete himself, which is why the checkbox is not displayed in his row in the table.

	User Name
	core
<input checked="" type="checkbox"/>	john doe
<input type="checkbox"/>	joe botts

Figure 51. User selection.

Once you have selected the users you want to delete, you must click on the button to the right of the button to add new users. This multi-select and deleted method facilitates efficient user management in **EVAC Cloud**, allowing multiple changes to be made quickly and accurately as needed.



Before deleting the selected users, you will be prompted to confirm this action using a dialog box.

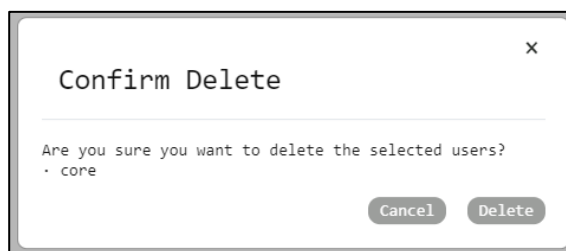


Figure 52. Confirmation to delete user.

(a).3. Enabling or Disabling Users

By clicking on a user's switch in the "User Enabled" column, you can change their enabling status.

A user can't disable themselves, so their row in the user table won't see the enable switch.

Each time this switch is clicked to enable or disable a user; a dialog box will be displayed requesting confirmation of the action.

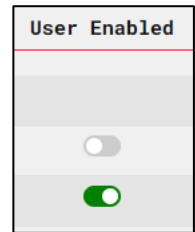


Figure 53. User Enabled.

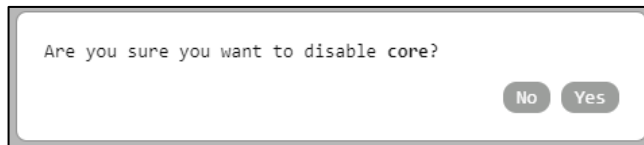


Figure 54. Confirmation to disable user.

Disabled users will not be able to access the EVAC Cloud on-premises web until they are enabled by another user.

(a).4. Changing user passwords

By clicking on the key icon located to the right of a user's row, a dialog box will appear through which they can change their current password.

In the case of the user currently logged in, the current password will also be requested.



Figure 55. Password Change Button

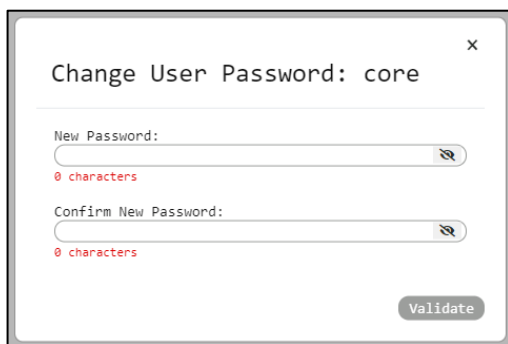


Figure 57. A dialog box for changing a user's password.

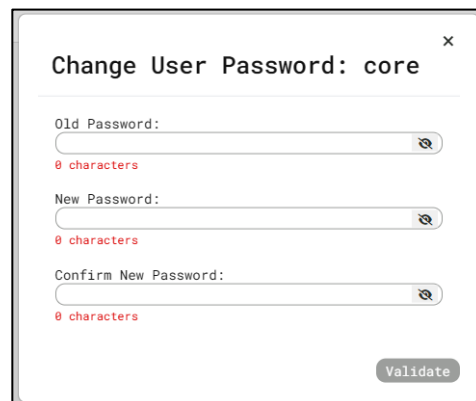


Figure 56. Dialog box for changing the current user's password.

(b) Preferences

In this section you can set the time zone in which the device is located.



Figure 58. Preferences window.

The time zone is presented as a drop-down menu that allows you to select from the different options available.

To apply the new selected time zone setting, the **"Apply Changes"** button must be clicked. This button is located at the bottom right of the preference container.

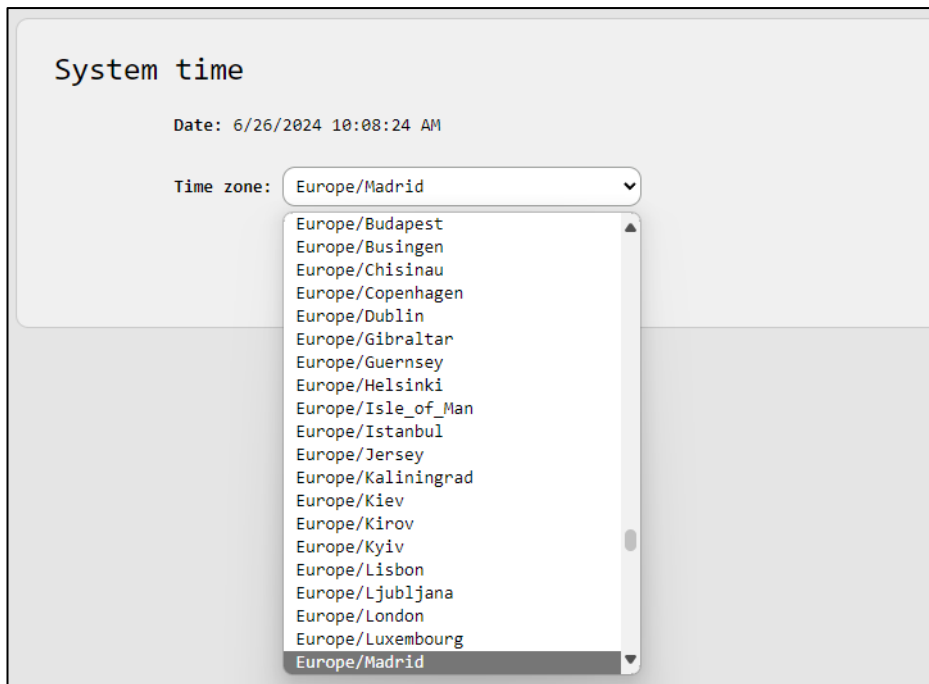


Figure 59. Time zone selection.

(c) WAN

In this section, you can change the parameters of the device's ethernet **WAN** interface. The **WAN** port is intended to provide internet access to the device so that it can connect to the **LDA Audio Tech cloud**.

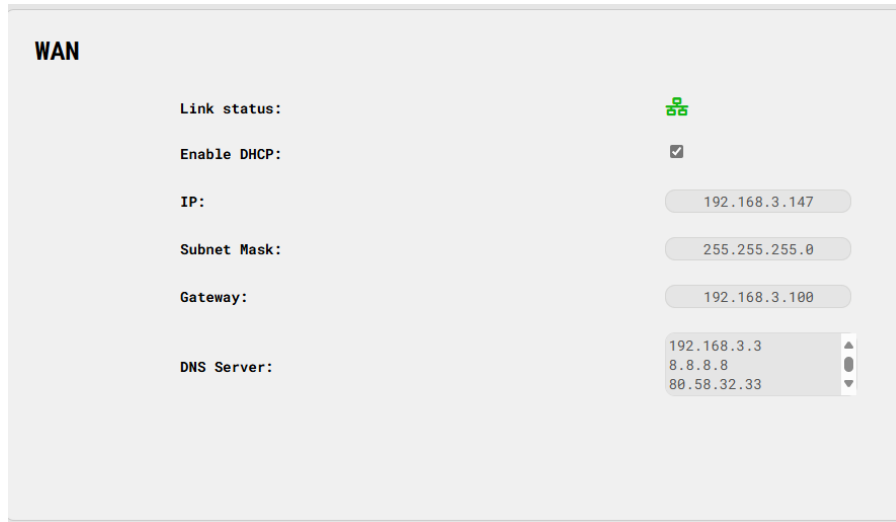


Figure 60. WAN interface configuration.

- **Link status:** It is an indicator of port status, if the icon is green, it means that there is a physical connection between the device and the network infrastructure that gives access to the Internet. Conversely, the icon will be red in case there is no physical connection.
- **Enable DHCP:** Enables/disables the **DHCP** (Dynamic Host Configuration Protocol) connection protocol. **DHCP** allows "auto-negotiation" of network configuration. By default, it is enabled. To be able to manually configure the rest of the network parameters, you will have to disable this one.
- **IP:** It is the IP address that the device has, it is only allowed to configure the IP address in version 4 (IPv4) of the protocol.
- **Subnet Mask:** This is the network mask of the network interface.
- **Gateway:** This is the gateway's IP address, which acts as a gateway between the appliances or devices in the network infrastructure to which the **WAN** port connects.
- **DNS Server:** This is the address of the desired DNS server for the internet connection.

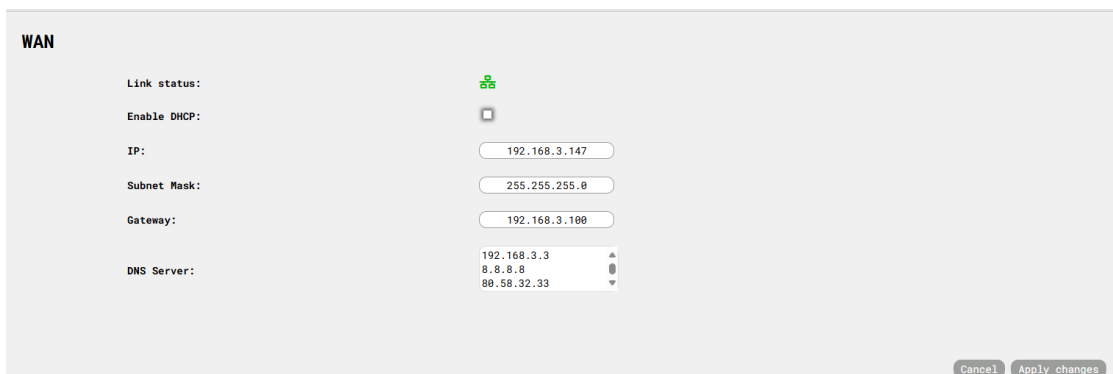


Figure 61. DHCP WAN disabled.

Clicking on the "**Cancel**" button will restore the current value of each parameter that has been modified, undoing any unapplied changes.

To apply any changes to the WAN's interface settings, you will need to click on the "**Apply changes**" button. The device will automatically restart to apply the new network parameters.

(d) LAN

Here you can configure the parameters of the LAN ethernet port. This port is intended for communications between the **EVAC Cloud** device and the systems that connect to the local network, either for monitoring or remote access.

Figure 62. LAN interface configuration.

- **Link status:** It is an indicator of port status, if the icon is green it means that there is a physical connection between the device and the local network infrastructure. Conversely, the icon will be red in case there is no physical connection.
- **Enable DHCP:** Enables/disables the **DHCP** (Dynamic Host Configuration Protocol) connection protocol. The **DHCP protocol** allows for "auto-negotiation" of network configuration. By default it is disabled. To be able to configure the rest of the parameters, you will have to disable this one.
- **IP:** It is the IP address that the device has, it is only allowed to configure the IP address in version 4 (IPv4) of the protocol. By default it has the value **192.168.0.254** for **EVAC Cloud devices**.
- **Subnet Mask:** It is the network mask of the device, whose function is to indicate to the device which part is the IP address, including the subnet, and which part is the one corresponding to the host. Default has the value: **255.255.255.0**
- **Gateway:** This is the gateway address, which acts as a gateway between the appliances or devices in the network infrastructure to which the port connects.

Clicking on the "**Cancel**" button will restore the current value of each parameter that has been modified, undoing any unapplied changes.

To apply any changes to the LAN's interface settings, you will need to press the "**Apply changes**" button. The device will automatically restart to apply the new network parameters.

(e) Factory settings

In the **"Factory Settings"** section, there are two groups of parameters and functions.

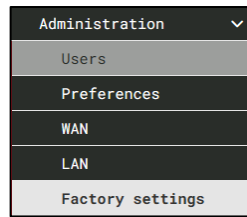


Figure 63. Factory settings

(e).1. System settings

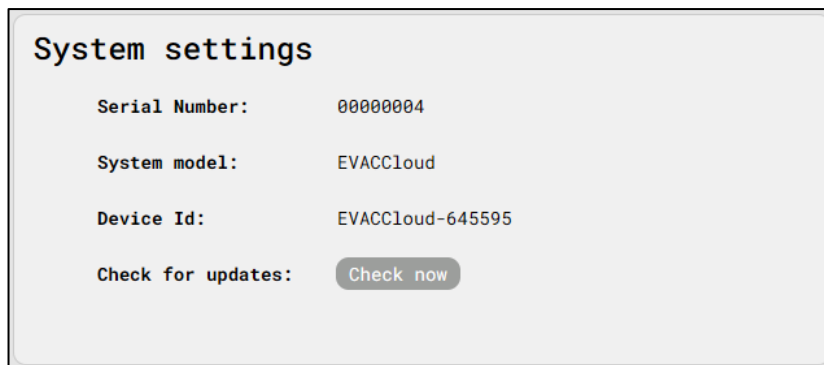


Figure 64. System settings.

- **Serial number:** Displays the unique serial number of the **EVAC Cloud device**.
- **Model:** Displays the model of the device.
- **Device Id:** This is the identifier of the device.
- **Check for updates:** Displays the **"Check now"** button. By pressing this button, if the internet connection is available via the **WAN** interface, a new version of the EVAC Cloud device's internal software is checked.

After pressing the **"Check now" button**, if when connecting to the **LDA Audio Tech cloud** the device verifies that it is already updated to the latest version of the software, the following message will be displayed:

"The system is up to date with the latest version."

On the other hand, if it is verified that a new version of the software is available, the text of the **"Check now"** button will change to **"Upgrade"** and a message will appear indicating the number of the software:

"A new version is available ..."

In the latter case, you will have to press the **"Upgrade"** button to download the new version. When the download is complete, your device will automatically restart the new version of the internal software to be installed.

IMPORTANT: It is recommended that you do not turn off or interrupt power to your EVAC Cloud device during the update process, as this may cause damage to your system and take it out of service.

During this process, the browser will lose connection with the device, so it will be necessary to close the window or tab where the local website is loaded and reload it in a new window or tab to check that the update has been carried out successfully and all the parameters are still correct.

(e).2. System Reset

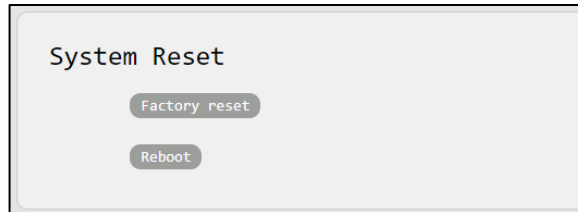


Figure 65. System reset.

- **Factory reset:** Action that will reset the **EVAC Cloud** device to its factory default settings, removing all custom settings, such as local users, monitored devices, or configured remote access points. **WAN** and **LAN** configurations will also be restored to factory settings and the system activity log will also be deleted.
- **Reboot:** Performs a reboot of the device while maintaining its current settings.

Before performing either of these two actions, confirmation will be requested using a dialog box.

7.3.4 Devices

This module makes it easy to monitor the overall health of **EN54-16** system controllers. It also allows direct bridge connections to be made through the **LDA Audio Tech** cloud, both with equipment belonging to an **EN54-16** system, and with generic equipment that is on the same **LAN** network as the **EVAC Cloud device**.

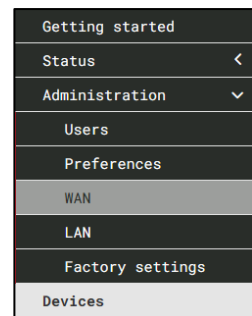


Figure 66. Devices menu.

Devices

Description	Discovered	Model	State Flags	IP Address	Port	Protocol	Detailed Info	Excluded
DCO-22	Yes	DCO22	n/a	192.168.13.281	60000	UDP		
NEO Controller	Yes	MASTER1		192.168.13.181	60000	UDP		
NEO Extension	Yes	NEO825BE	n/a	192.168.13.11	60000	UDP		
EVAC Cloud	Yes	EVACCloud	n/a	192.168.3.203	443	HTTPS		
EVAC Cloud	Yes	EVACCloud	n/a	192.168.3.132	443	HTTPS		
EVAC Cloud	Yes	EVACCloud	n/a	192.168.13.169	443	HTTPS		
NEXO	Yes	NEXO	n/a	192.168.13.141	60000	UDP		
NEXO	Yes	NEXO	n/a	192.168.13.227	60000	UDP		
NEO+ Controller	Yes	NEO8060+		192.168.0.203	60000	UDP		
NEO+ Controller	Yes	NEO8060+		192.168.0.7	60000	UDP		
NEXO	Yes	NEXO	n/a	192.168.13.226	60000	UDP		
NEO+ Extension	Yes	NEO4250+	n/a	192.168.0.7	60000	UDP		
NEXO	Yes	NEXO	n/a	192.168.13.61	60000	UDP		
NEO+ Controller	Yes	NEO8060+		192.168.13.228	60000	UDP		

Figure 67. Devices.

The module periodically searches for **EN54-16** system controllers and extensions present in the EVAC Cloud LAN network at **30 second** time intervals. System controllers are added to the **EVAC Cloud** monitoring mechanism that will notify via the **LDA Audio Tech** cloud of any changes in the general operating conditions of the **EN54-16** system; system failure (**FLT**), active emergency (**EMG**), disarmament (**DIS**) or **connection status** with the system controller equipment on the **LAN** network.



Figure 68. Status flags.

In addition, if the device is connected, more information can be displayed by pressing the connect button. When doing so, the synchronization parameters will be displayed, indicating which ones are working correctly and which ones have connection failures.

cloud	Yes	EVACCloud	n/a	192.168.3.203	443
-------	-----	-----------	-----	---------------	-----

Communication Status Flags X

Device Info	ZM Zones	ZM Sources	Sources Broadcast	Triggers	Conditions	Actions	Events

controller	Yes	NEO8060+		192.168.0.203	60000
------------	-----	----------	--	---------------	-------

Figure 69. Connection status flags.

(a) Add Device

It allows you to manually add **EN54-16** equipment that is not automatically detected in the **EVAC Cloud LAN** network or generic equipment, to allow its monitoring and direct connection through the **LDA Audio Tech** cloud. In case the added device is a controller of an **EN54-16** system, its operating conditions will also be monitored.



Figure 70. Add a device.

- **Description:** Adds a description to the added equipment, to better organize/categorize the list with all the added equipment.
- **Model:** Drop-down to select the device model to add. Possible options are:

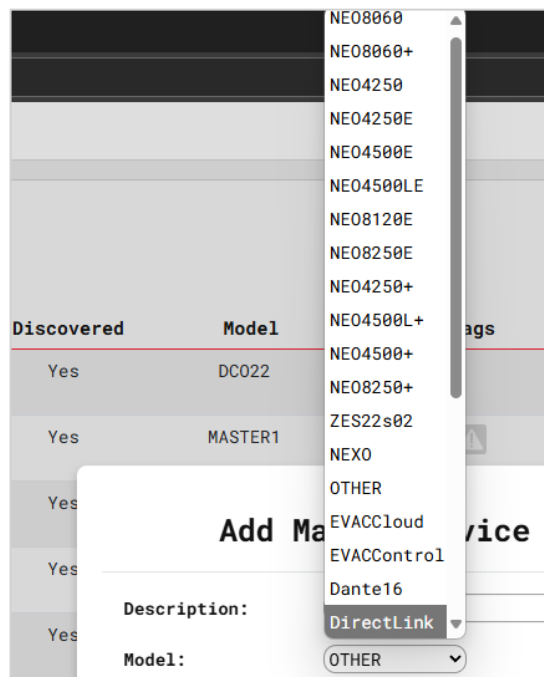


Figure 71. Model selection.

The value "OTHER" will be used to enable remote connections with devices not included in the rest of the available options or with some other access point or application that serves connections within the **EVAC Cloud LAN** network using an IP address, a port number and a defined protocol (web server, remote desktop...).

- **IP Address:** IP address (IPv4) of the system or device.
- **Port:** Number of the connection port. Valid values are between 1 and 65535. In the case of selecting the **NE08060** and **NE08060+** models, this value will always be **60000**.

- **Protocol:** It is the communications protocol that is going to be used. Possible values are:

TCP **UDP**
HTTP **HTTPS**

In the case of selecting the **NEO8060** and **NEO8060+ models**, the protocol will always be **UDP**.

- **Add button:** Add the equipment or access point to the "Device list" section, so that monitoring can be started when it is an **EN-54 16** system controller, and allow remote connection through the **LDA Audio Tech cloud**.

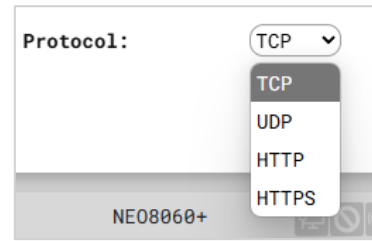


Figure 72. Protocol selection.

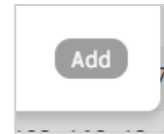


Figure 73. Add device button.

For it to be added successfully, the **Model**, **IP Address**, **Port**, and **Protocol** fields must be correctly filled.

You cannot add a device if there is already another device with identical values in the **IP Address**, **Port**, and **Protocol** fields.

(b) Device List

This section shows all the devices that have been automatically found in the EVAC Cloud LAN network, as well as all those devices or access points added manually.

- **Description:** Descriptive text entered when a device or access point has been manually added from the "Add a device" section. In the case of devices detected in the **LAN network**, a generic description will be displayed.
- **Discovered:** Indicates whether the device has been detected automatically or added manually.
- **Model:** This is the model of the equipment detected or added manually.
- **State Flags:** Status indicators, including alert, emergency, disarm, and connection.
- **IP Address:** IP address (IPv4) of the device found or added manually.
- **Port:** The number of the communications port of the device found or added manually.
- **Protocol:** Connection protocol used.
- **Detailed Info:** Detailed information about the device, with the possibility of modifying fields such as IP address and connection type.

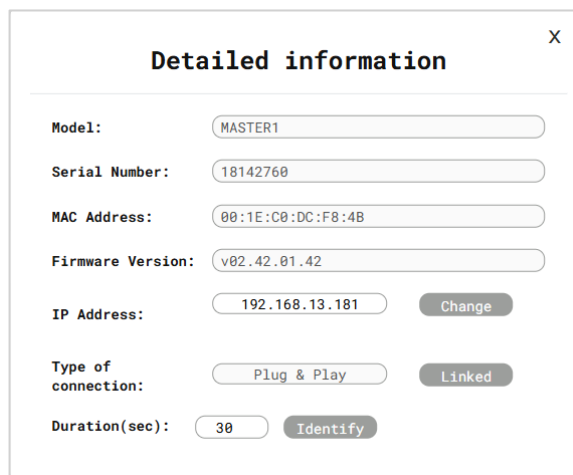




Figure 74. Detailed device information.

- **Model:** This is the model of the equipment detected or added manually.
- **Y/N:** Serial number of the equipment found or added manually. This field will only be populated if the device is physically present on the EVAC Cloud LAN.
- **MAC Address:** MAC address of the device found or added. This field will only be populated if the device is physically present on the EVAC Cloud LAN.
- **Fw Version:** Firmware version number of the device found or added manually. This field will only be populated if the device is physically present on the EVAC Cloud LAN.
- **IP Address:** IP address (IPv4) of the device found or added manually.
- **Type of connection:** "Plug and Play" means that the device has been automatically detected but will be removed and researched on each new search. To fix it, you need to press the "Linked" button. Once paired, you will not be able to return to "Plug and Play" mode.
- **Duration Refers** to the time during which the device flashes for easy identification while in the rack.
- **Excluded:** A physical equipment can be included or excluded from monitoring its status conditions towards the LDA **Audio Tech** cloud and the possibility of establishing remote connections with it. Depending on the action available for a particular team, the action button will look different:
 -  Add as excluded
 -  Delete as excluded

When a device or access point is excluded, it will be grayed out.

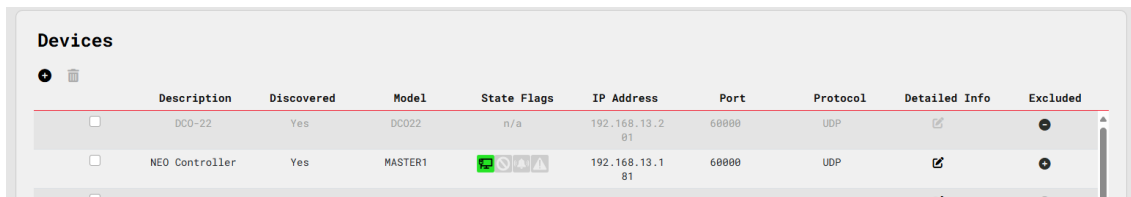


Figure 75. Device excluded.

To re-include an access point or device in remote access and monitoring, the button must be pressed again.

Only devices that are automatically detected on the LAN network can be excluded. This option, therefore, will not be available for manually added devices or access points.

(c) Remove Device

This action allows you to remove the corresponding equipment from the list. If a deleted device is detected again on the EVAC Cloud LAN local network, it will be automatically added back to the list.

The recommended use of this feature is to remove from the list those devices that have been physically disconnected from the local **LAN** network and are certain that they will not be reconnected to it.

This is a multiple-choice action. To do this, you need to tick the checkbox at the beginning of each row of the devices you want to remove and then press the button with the delete icon in the upper left corner.

If you want a device to continue to appear in the list, but you do not require monitoring or making remote connections to it, the indicated action is to exclude it.

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