Webserver Tools

www.zennio.com

CONTENTS

DOCUMENT UPDATES

Version	Changes	Page(s)
[1.3]_a	• Increase in the number of contacts for internal calls • New connection status • Sonos tab added	-
[1.2]_a	• Added icons, translations and remote control tab. • New device: RemoteBOX	-
[1.1]_a	• Added user data tab • New password to Access Webserver Tool	-
[1.0]_g	• New port parameter in IP cameras	-
[1.0]_f	• Added energy monitor and IP cameras functionality. • Increase the maximum number of contacts to 600 for internal calls.	-
[1.0]_e	• New devices: Z50, Z100	-
[1.0]_d	• Added data log tab	-
[1.0]_c	• Correction of text error in Figure 8	-
[1.0]_b	• New tap to configure the screensaver.	-

1 INTRODUCTION

Webserver Tools is a web server that can be accessed using a browser from any device on the same network.

Within this website it is possible to perform some actions such as:

- View useful information about the device (individual address, serial number, etc.).

- Manage the licenses for use.

- Check the configured video intercoms.

- Configuring instances for the Sonos gateway.

- Add/delete contacts for internal calls.

- Configure IP cameras.

- Load image and configure screensaver.

- Download data logs (graphs and energy monitor).

2 SERVER ACCESS

In order to access Webserver Tools, the following must be fulfilled:

- The device must enable access to the web server. In this case, the parameter **"enable web configuration"** must be enabled in its ETS project (configuration tab: "General").

  Note: *Please refer to the specific device user manual (available at www.zennio.com) for more information.*

- Z50 / Z70 v2 / Z100 / RemoteBOX and the device from which the server will be accessed must be in the same network.

Then, access to the web will be via the following URL: **https://"IP_ZNP_Device"**,

> *For example: https://192.168.1.20*

Note: *both the generic IP and the IP configured for VoIP calls can be used to access the server.*

2.1 AUTHENTICATION

After accessing the server, the credentials of user must be entered.

Figure 1. Login page

The credentials for the first access are:

- **Username**: admin

- **Password**: admin / password included on the device sticker

Important: *if the device includes a Webserver tools specific password sticker, the default password will be this instead of admin.*

2.2 PASSWORD RECOVERY

If the password has been forgotten, there is the possibility of resetting the factory password. For this purpose, the "**Allow Password Reset**" parameter must be enabled from the ETS project (configuration tab: "General").

Note: *Please refer to the specific device user manual (available at www.zennio.com) for more information.*

Once this parameter has been enabled, the server access interface will show an additional button: "Reset password". When pressed, a pop-up will appear on the screen to confirm the password reset.

Note: *in the case of RemoteBOX, confirmation is done using the Reset button on the device.*
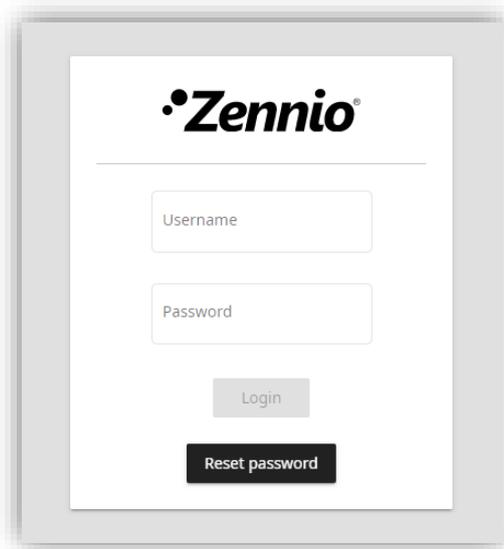

Figure 2. Login page – Password reset

3 FUNCTIONALITY

Once inside the website, a menu bar with the following buttons is displayed at the top:

- **Opening the side menu bar**: placed on the left side, this button opens a side menu to navigate between the different pages of the website.

- **Change language**: drop-down menu to change the language between Spanish and English.

- **Logout button**: closes the session and returns to the login page.

The following sections detail the content of each of the tabs that can be accessed from the side menu.

3.1 DEVICE

This tab shows the following information about the device:

- **Device Name.**

- **Individual Address.**

- **Serial Number.**

- **MAC.**

- **Firmware Version** (including a link to download the latest version of the application to update the device's firmware)**.**

- **ETS Version.**

- **Device date and time.**

In addition, there is a button that enables the device to be located. When pressing it, a notification will be sent to the screen, and it will make a sound and flash momentarily.
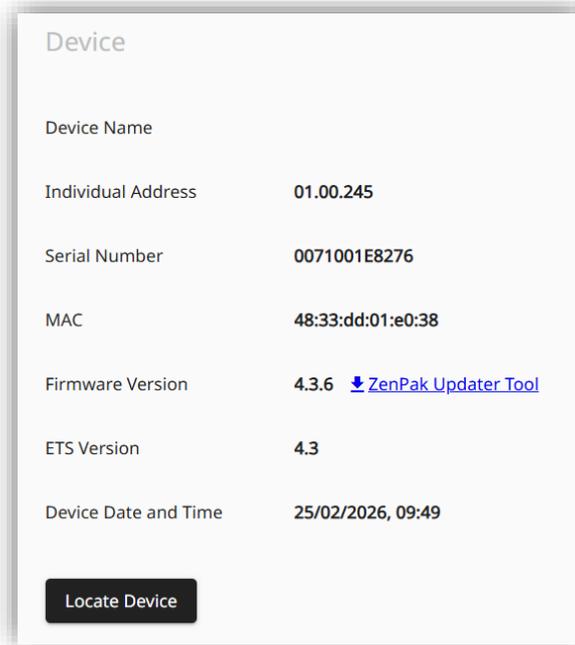
Figure 3. Device tab

3.2 LICENSES

This tab upload license files to install on the device with a maximum size of 1MB. These files can be either a single license file or .zip files with multiple licenses inside.

To install these licenses, click on the "**Select File**" button and, once the file has been chosen, click on "**Update File**". If no error appears, the device will reboot with the new license installed.
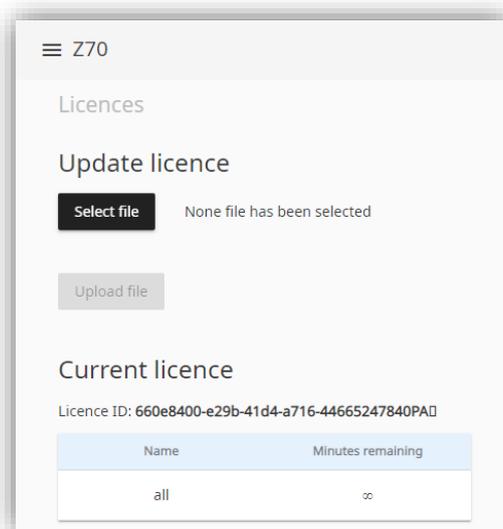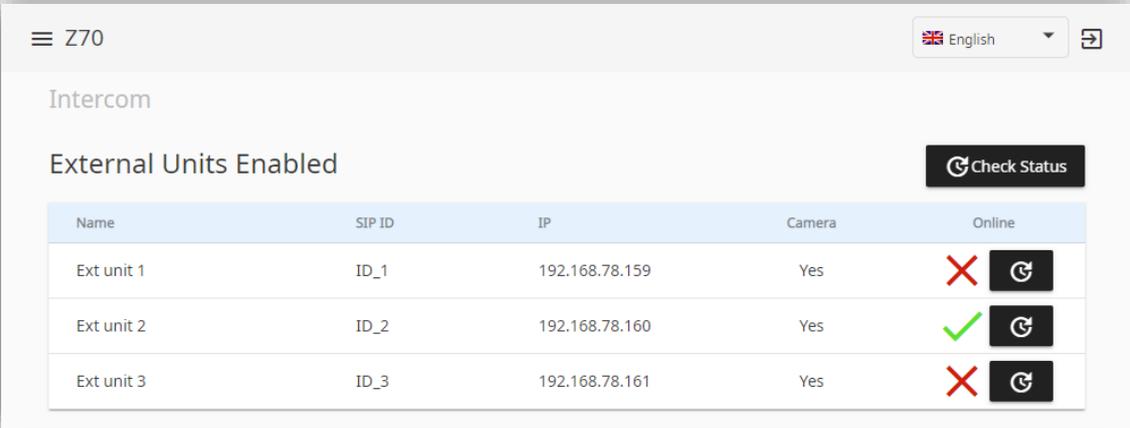

Figure 4. Licenses tab

Within this tab there is also an information table with the installed licenses and the remaining time for each license to expire.

3.3 INTERCOM

Tab where the external units that have been configured in ETS are listed, indicating the status of each one of them.

This check will start with the access to the tab, but it can be done at any time, both individually and generally, by clicking on the corresponding "**Check Status**" ⟳ buttons.

Figure 5. Video intercom tab

This table shows the information of each video intercom parameterised in ETS:

- **Name.**

- **SIP_ID**.

- **IP.**

- **Camera.**

- **Video Intercom status**: this column shows whether the video intercom is reachable from the device ✓, whether it is not reachable ✗ or whether it has not been possible to carry out the check ⊘.

  Note: *if video intercom does not have an IP defined from ETS, the interrogation icon will always be displayed.*

3.4 CONTACTS

The information contained in this tab will depend on the option chosen in the "**Import contacts**" parameter, in the ETS project (configuration tab: "Internal Calls"): "Import contacts from ETS" or "Import contacts from the web"

Note: *Please refer to the specific* device *user manual (available at www.zennio.com) for more information.*

3.4.1 IMPORT CONTACTS FROM ETS

If import contact from ETS has been parameterised in ETS, this tab will show an information table with the following fields:

- **Contact name**.

- **SIP ID**.

- **IP**.

- **Contact status**: this column shows whether the contact is or not reachable from the device.

As in "Intercom" tab (see section 3.3), checking each contact individually or generally by clicking on the "**Check Status**" button [icon] .
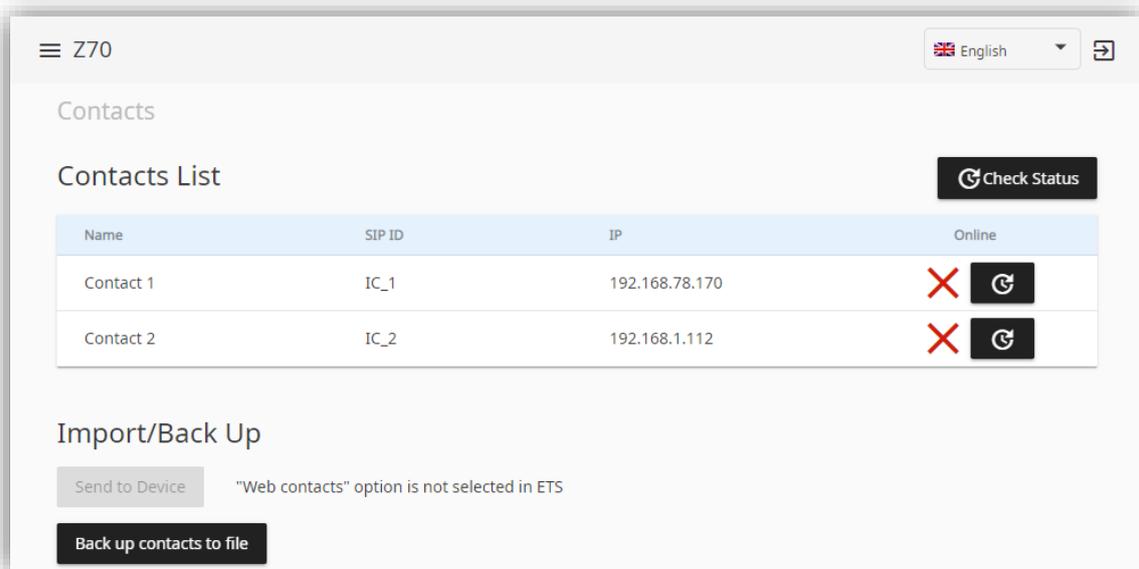

Figure 6. Contacts tab (From ETS)

There is also an option to download the entire contact list as a *.json* file by clicking on the "**Back up contacts to file**" button.

3.4.2 IMPORT CONTACTS FROM THE WEB

If in ETS the contacts have been chosen to be imported from the Web, the full functionality of section 3.4.1 will be available with some additional options.
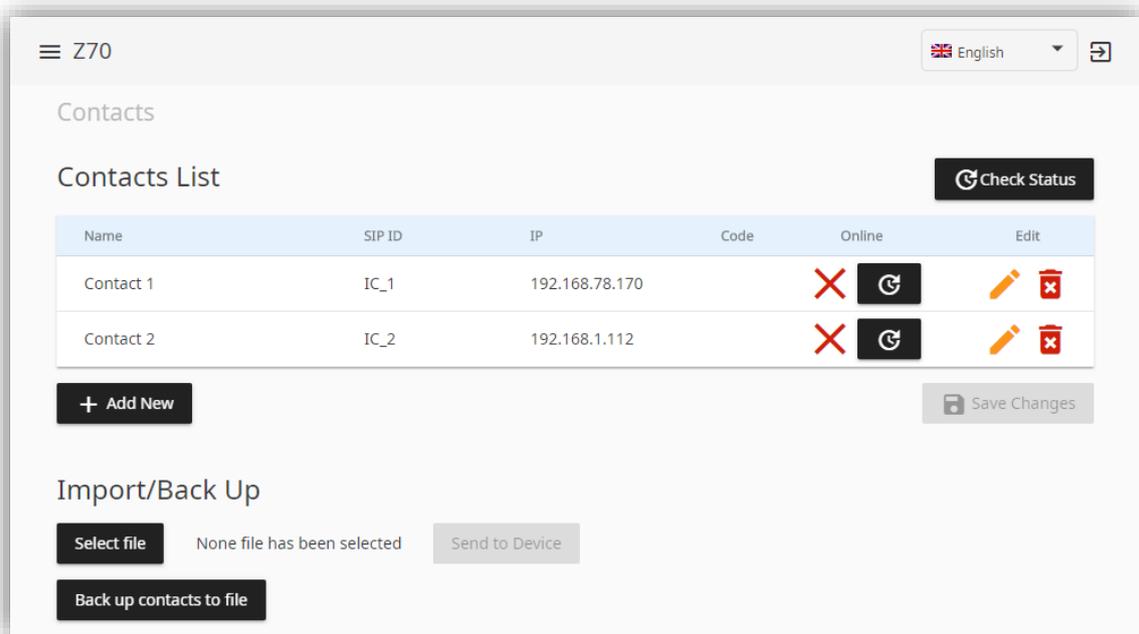

Figure 7. Contacts tab (From the web)

On the one hand, the informative table about the contact list will now contain 2 new fields:

- **Code**: numerical code identifying the contact. It is used to call the contact by means of the numeric keypad.

- **Edit**: modifies the contact data or delete it completely.

It is also possible to **add** up to a maximum of 2000 **new contacts** by defining each of the fields and performing a check to see if the contact is reachable when created. All changes will need to be saved to become effective on the device.

On the other hand, this tab enables the import of a contact list created from a *.json* file containing the following structure:

```
{
"contacts": [
    {
        "code": "001",
        "name": "Contact 1",
        "sipUrl": {
        "ipAddress": "192.168.78.170",
        "sipId": "IC_1"
        }
    },
    {
        "code":"002",
        "name": "Contact 2",
        "sipUrl": {
        "ipAddress": "192.168.78.112",
        "sipId": "IC_2"
        }
    }
  ]
}
```

Figure 8. *.json* file format with two contacts

The fields to be modified for each contact are:

- **"code":** numeric code associated with the contact.

  Note: *if two contacts have the same numeric code, the first contact in the imported file will be called.*

- **"name":** name that will appear in contact list and call dialogs.

- **"ipAddress":** IP address of the contact.

- **"sipId":** identifier (ID) required to carry out the communication.

  Note: *the characters included in this field must comply RFC 2396 standard.*

Important:

- *It is highly recommended to edit the json file with Notepad ++ or a similar tool.*
- *File encoding must be UTF-8 without BOM.*

The "**Select File**" button will enable the selection of the created contact file. A new option, "**Send to device**", will delete the previously existing contact list and replace it with the new one, importing a maximum of 600 contacts.

3.5 IP CAMERAS

This tab shows a list with the IP cameras, allowing to modify existing cameras, enable new cameras and check their status.
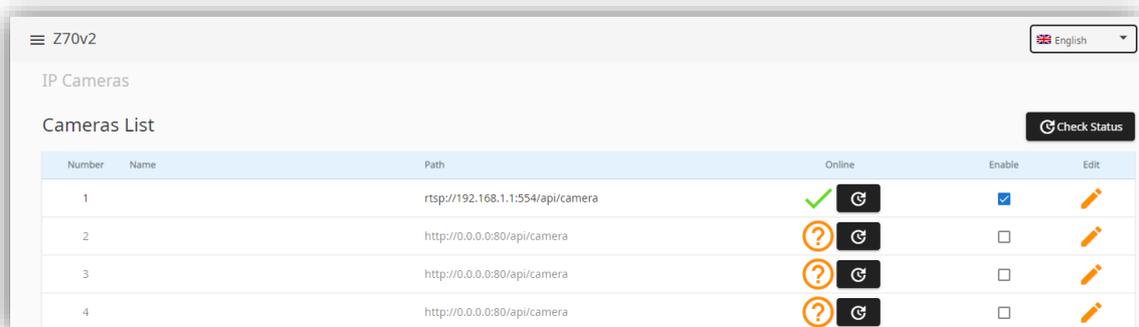

Figure 9. IP Cameras tab

When clicking on the edit button of an IP camera, a new panel opens where it is possible to configure the same parameters as from ETS. Please refer to the specific user manual (available at www.zennio.com) for more information.
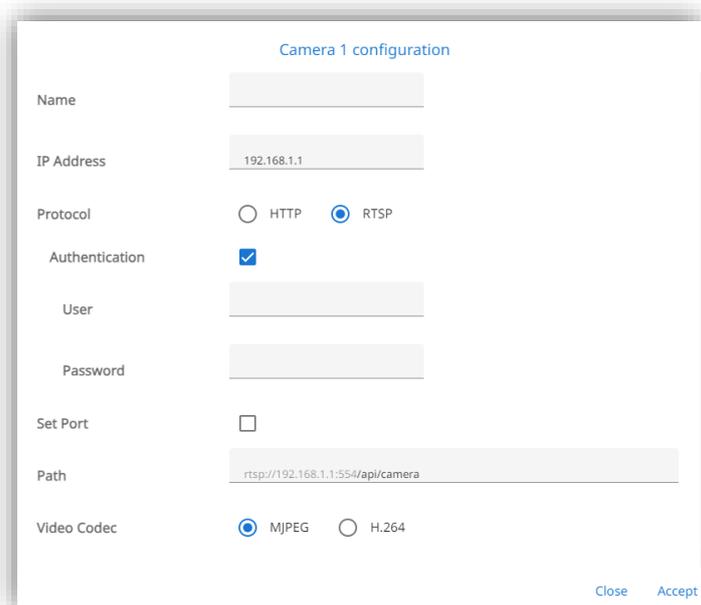

Figure 10. IP camera configuration panel

For each IP camera there is also a checkbox to enable or disable the camera to be displayed on the device. After making all the modifications, it is necessary to send the new configuration to the device by clicking on the **"Save changes"** button.

Note: *modifications made from Webserver Tools will not be overwritten after an ETS download, unless some IP camera parameter is modified that differs from the previous download.*

This tab allows to export the configuration of the cameras in a .json file by clicking on the **"Back up cameras to file"** button.

It is also possible to import a file with the configuration of the cameras by clicking on the **"Select file"** button and then on **"Send to device"**.
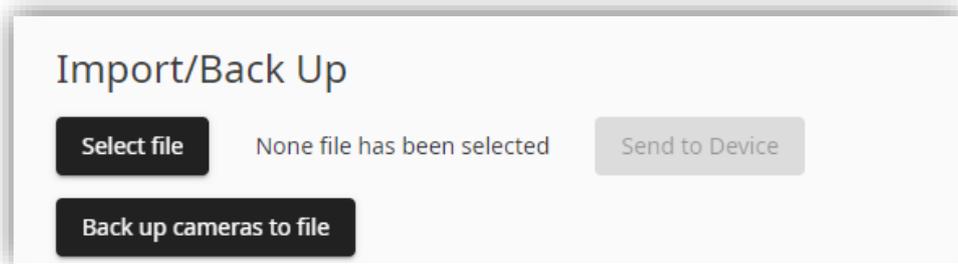

Figure 11. Import/Back up of IP cameras

3.6 TRANSLATIONS

Tab where the import and export of translations for the device is performed.
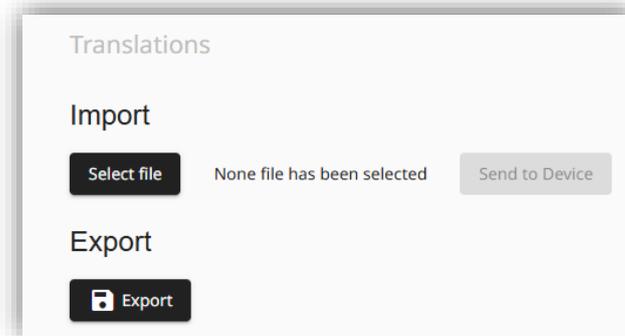

Figure 12. Translations tab

The import of translations is done by selecting one or more translations with a valid format and name (please refer to the specific device user manual (available at www.zennio.com) for more information). To do this it is necessary to click on the "**Select file**" button, choose the .xlf files and then click on the "**Send to device**" button.

The export of translations is done by clicking on the "**Export**" button and selecting the path where the .zip file with all the translations of the device will be downloaded.

3.7 ICONS

Tab for importing, exporting and previewing device customised icons.
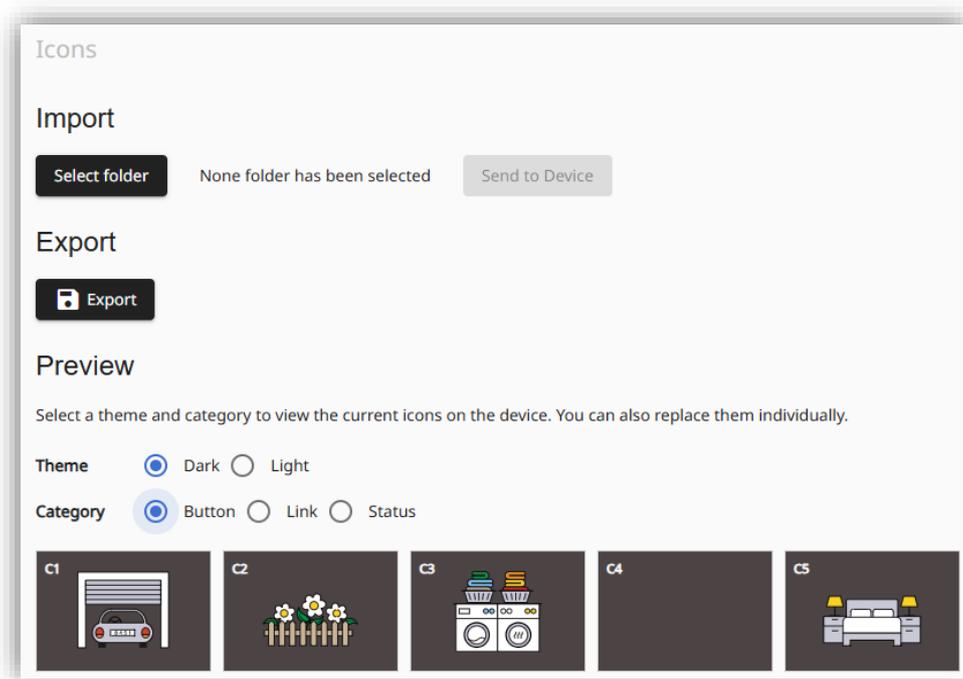

Figure 13. Icons tab

The **import** is done by selecting a folder with the name icons that internally has the same structure used for importing icons via USB (please refer to the specific device user manual (available at www.zennio.com) for more information).

The download of the customised icons is done by clicking on the "**Export**" button.

In the **preview** section, the customised icons that the device has at that moment will be shown. It is necessary to choose the theme and the category to preview. Once selected, the custom icons will be displayed and each one of them can be changed individually by clicking on the icon and selecting the new icon in svg format.

3.8 SONOS

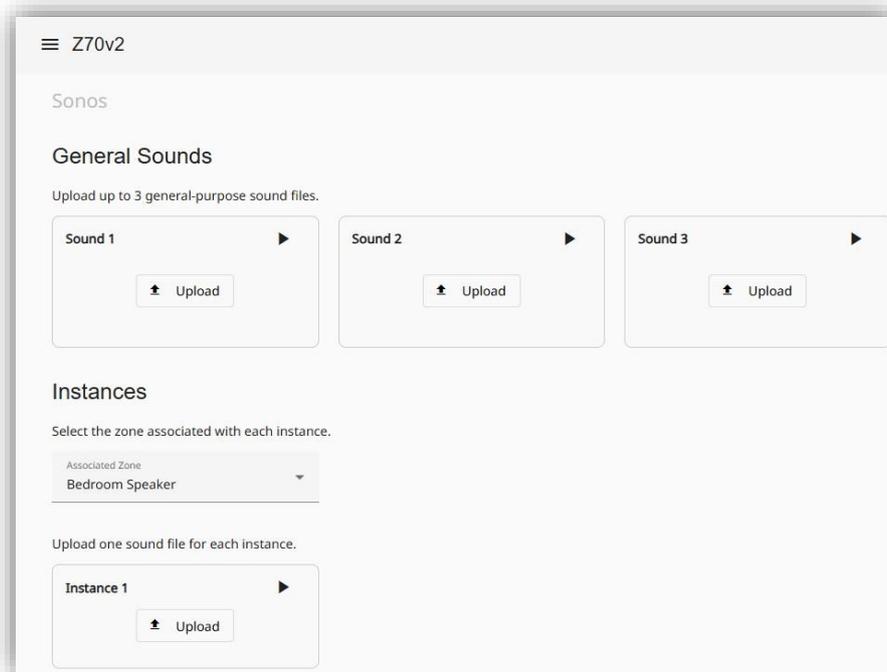Tab to modify general and specific sounds for each instance of Sonos functionality.

Figure 14. Sonos tab

The **General Sounds** section displays the general sounds of the device's Sonos functionality. Each sound has a "**Play**" button to listen to the sound currently loaded and another "**Upload**" button to load a new sound file in *mp3* format.

The **Instances** section shows the different sounds specific to each instance. The available buttons are the same as in **General Sounds**.

A selector is also displayed for each instance to assign the speaker to the corresponding instance. Once assigned, control commands for that speaker can be sent through the objects of that instance. The changes made will be synchronised with the device, so that if a control acts on instance 1, changing the speaker for instance 1 will also apply the change to the control.

3.9 REMOTE CONTROL

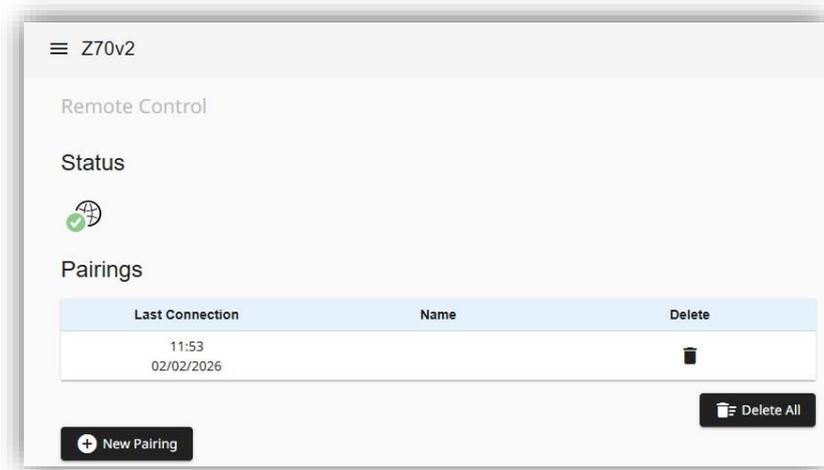Tab where pairings for remote control of the device can be managed.

Figure 15. Remote Control tab

At the top, an icon shows the status of the device's connection to the server.

The following is a list of paired devices, their last connection time/date and a button to remove the pairing individually are displayed.

Below that list, there is also a "**Delete All**" button that removes all pairings from the device except admin pairings at once.

Pairing a new device can be done from this same tab by pressing the "**New Pairing**" button. A QR code and an alphanumeric code will be displayed and used to perform the pairing from the remote control application.

3.10 SCREENSAVER

Tab where the device screensaver can be configured and previewed. that will be displayed on the device. The **Screensaver** functionality must be enabled in the ETS project.

Note: *please refer to the specific device user manual (available at www.zennio.com) for more information.*

To set the screensaver, first of all, choosing and uploading an image by clicking on the "**Select file**" button is necessary. Once chosen, the elements will be displayed together the image, **time and date** and/or **external temperature**, as well as the font colour, can be set.

The time and date as well as the temperature can be placed anywhere on the screensaver by simply clicking on the element and dragging it to the desired position. "**Centre information**" button will return the elements to their initial position.
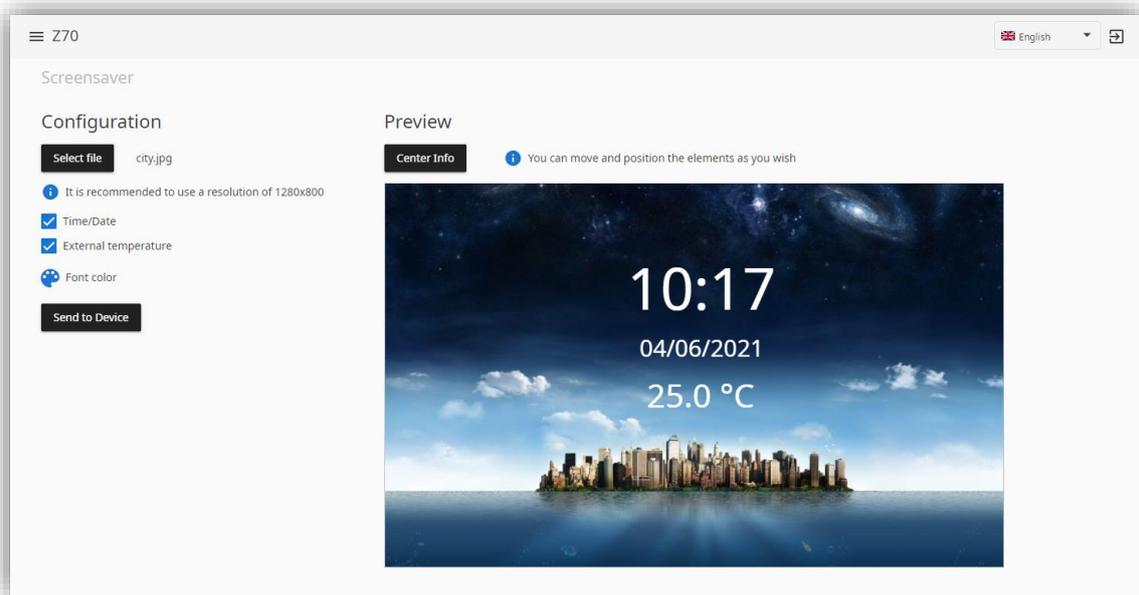

Figure 16. Screensaver tab

Once the screensaver has been configured, click on the "**Send to Device**" button to download it to the screen.

Notes:

- *The image dimensions must be 1280x800 pixels for Z70 v2 and Z100 and 480x854 for Z50.*

- *Supported image formats are: png, bmp, jfif, pjpeg, jpeg, pjp y jpg.*

3.11 DATA LOGGERS

3.11.1 GRAPHS

Tab where the data logs that have been enabled in the device can be manage. A table will be displayed showing the boxes that have logs enabled with the following fields:

- **Name of the control** and page where it is located.

- **Start date**: date on which the first data was recorded.

- **End date**: date on which the last data was recorded.

- **Size**: percentage of occupied memory size.

The lower part of the table shows all the summary information, indicating the number of logs enabled and the space occupy.
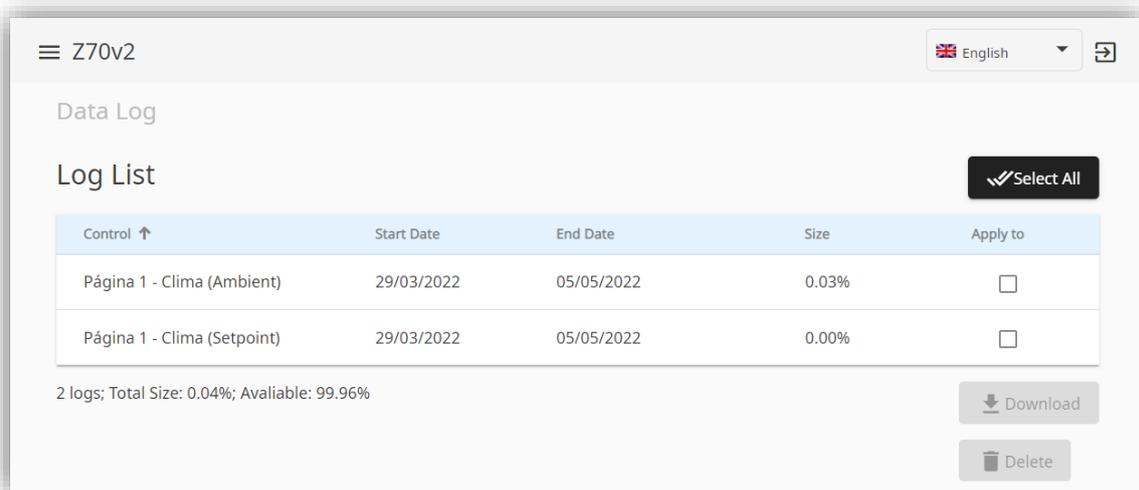

Figure 17. Data log tab

From this tab it will be possible to perform the actions on the logs that have been selected in the "Apply to" column:

- **Delete**: clears the log data and leaves the log empty.

- **Download**: download the log data. When this action is executed, a new window will open with the following fields:

  - **Download from date** and **Download until date**: select the time range of the data to be downloaded.

  - **Select decimal separator** selects whether the decimal separator of the downloaded data is a dot or a comma.

  - **Select delimiter for CSV**: selects whether the delimiter for the CSV is set as a comma or a semicolon.

  Note: *the downloaded file with the data is in CSV format. For its correct visualisation, it is recommended to import it using an application capable of reading this type of file (such as Excel, for example, by clicking on the option to import "From text/CSV" within the tab "Data"). It is necessary to define the delimiter of the CSV and indicate that the origin of the file is in UTF-8.*

3.11.2 ENERGY MONITOR

Tab to manage the energy monitor data logs. A table will be displayed with the power and energy logs of each of the data enabled in ETS:

- **Control:** indicates the name of the logged data, the tab where it is located and whether it is an energy or power log.

- **Start date**: date on which the first data was recorded.

- **End date**: date on which the last data was recorded.

- **Size**: percentage of occupied memory size.

The lower part of the table shows all the summary information, indicating the number of logs enabled and the space occupy.
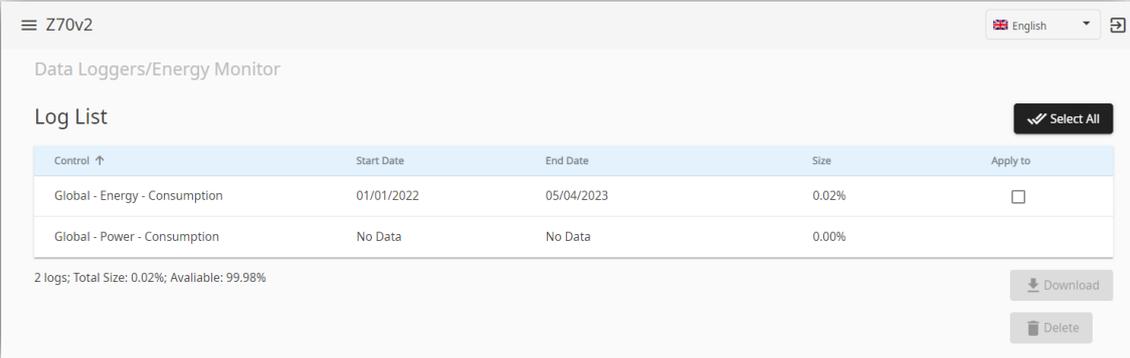
Figure 18. Energy Monitor log tab

From this tab it will be possible to perform the actions on the logs that have been selected in the "Apply to" column:

- **Delete**: clears the log data and leaves the log empty.

- **Download**: download the log data. When this action is executed, a new window will open with the following fields:

  - ➢ **Download from date** and **Download until date**: select the time range of the data to be downloaded.

  - ➢ **Select decimal separator** selects whether the decimal separator of the downloaded data is a dot or a comma.

  - ➢ **Select delimiter for CSV**: selects whether the delimiter for the CSV is set as a comma or a semicolon.

Note: *the downloaded file with the data is in CSV format. For proper visualisation, it is recommended to import it using an application capable of reading this type of file (such as Excel, for example, by clicking on the option to import "From text/CSV" within the tab "Data"). It is necessary to define the delimiter of the CSV and indicate that the origin of the file is in UTF-8.*

3.12 USER DATA

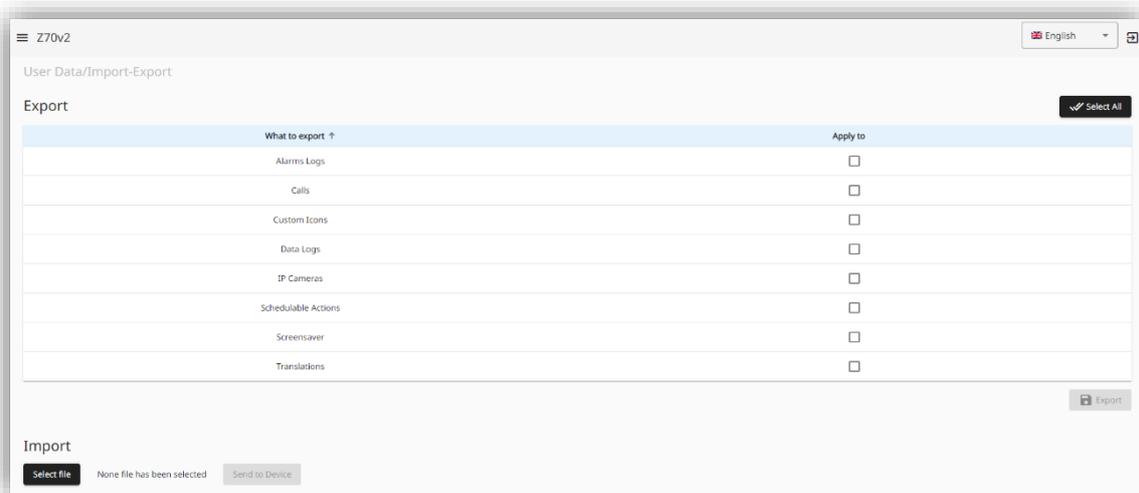### 3.12.1 IMPORT – EXPORT

Figure 19. Import-Export tab

Within this tab it is possible to export the data shown below. By means of the column Apply to you can select which data you want to export and which you do not want to export:

- Alarms Logs.

- Calls.

- Custom Icons.

- Data Logs.

- IP Cameras.

- Schedulable Actions.

- Screensaver.

- Translations.

Once exported, this file can be imported into this or any other device by selecting it with lower buttons of the tab and clicking on the **"Send to device"** button.

<u>Notes:</u>

- *It is only possible to import files that have been exported from the Webserver tool and have not been modified.*

- *If the data to be exported is very heavy, the export will be done in several files.*
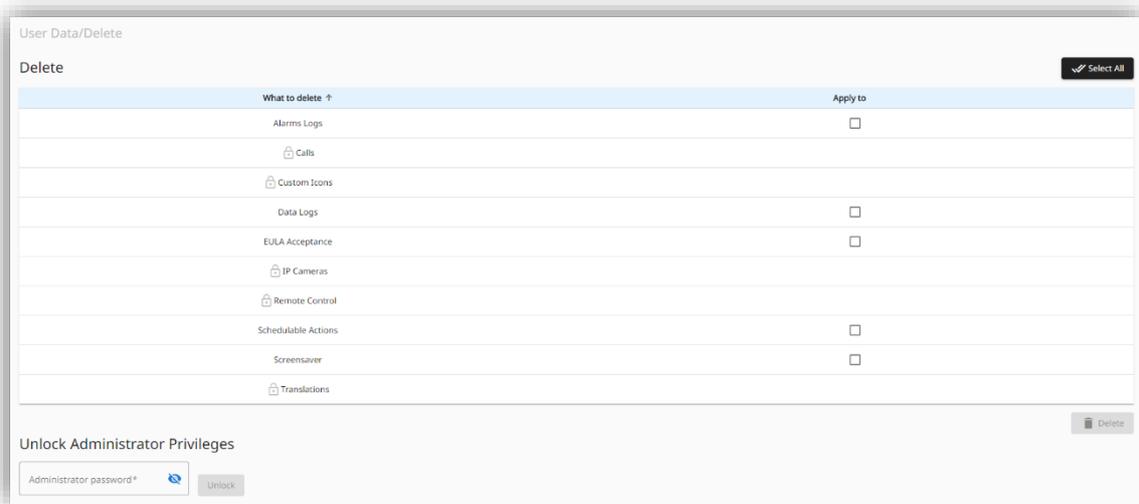
3.12.2 DELETE

Figure 20. Delete User Data tab

Within this tab the following user data can be deleted:

- Alarms Logs.

- Data Logs.

- EULA Acceptance.

- Schedulable Actions.

- Screensaver.

There are also a series of data that can only be deleted if the administrator password, configured in the application program of the device, is known (for more information please refer to the specific manual of the device available in the product section of the Zennio web portal, www.zennio.com). To do so, it will be necessary to enter the correct password and press the **"Unlock"** button. The user data with administrator permissions are:

- Calls.

- Custom Icons.

- IP Cameras.

- Remote Control.

- Translations.

Note: *if selected to delete all user data, the screen will delete all logs, leaving a similar state to the factory one, but keeping all the parameterisation and functionality that you had before the deletion. This implies for example that the Webserver tool password will revert back to the default password on the device.*

3.13 SETTINGS

3.13.1 NETWORK

This tab shows whether the device has internet access and have a button to PING an IP/URL address to check if that address is accessible from the device.
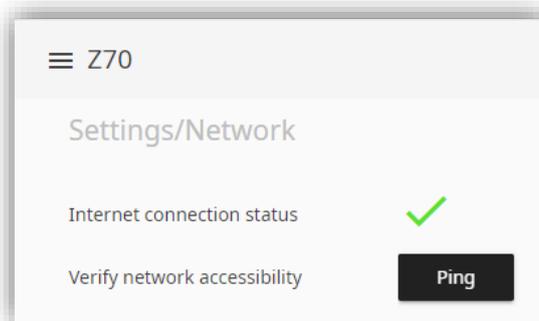

Figure 21. Network tab

3.13.2PASSWORD

Tab to change the password used to access the web server. The user will always be *admin* and the password can be replaced by a new one containing between 5 and 20 characters.
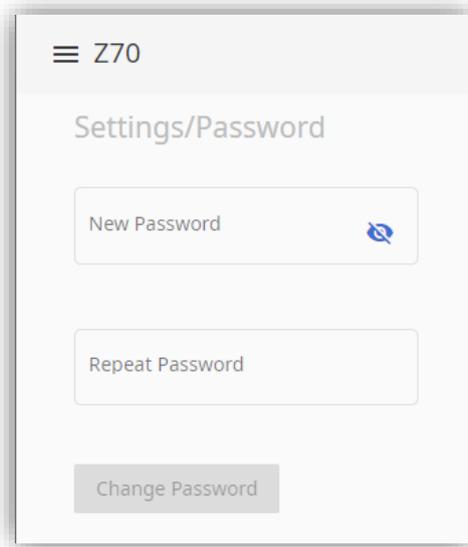

Figure 22. Password tab

3.14ABOUT

Tab where the legal information is displayed and the "**Download licenses**" button appears, which allows to download the GPL licenses of the device.

A support section is also displayed where it is possible to download the logs of the device in an encrypted file via the "**Download logs**" button.