

# FLU-O RADIO USER MANUAL

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**bitonlive**

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# Flu-O - Radio

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## Installation

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Launch **Setup\_RadioPlayout.exe** and follow the indications.



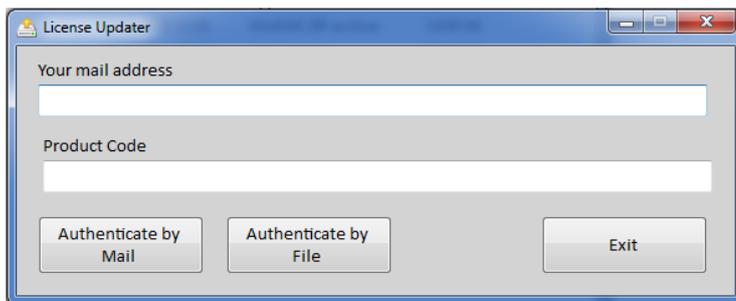
It is recommended that you install Flu-or Radio Playout in default folder (*C:\Program Files (x86)\BitOnLive\Flu-or Radio Playout*)

## License Updater

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When installation is finished open the *Windows Startup menu -> BitOnLive-> License Updater*

Opens the next window in which to insert address email and code for the activation of the license purchased.



Your email address will be sent an e-mail from [License@bitonlive.com](mailto:License@bitonlive.com) containing a file, save it to your desktop and Start Flu-or to activate it.

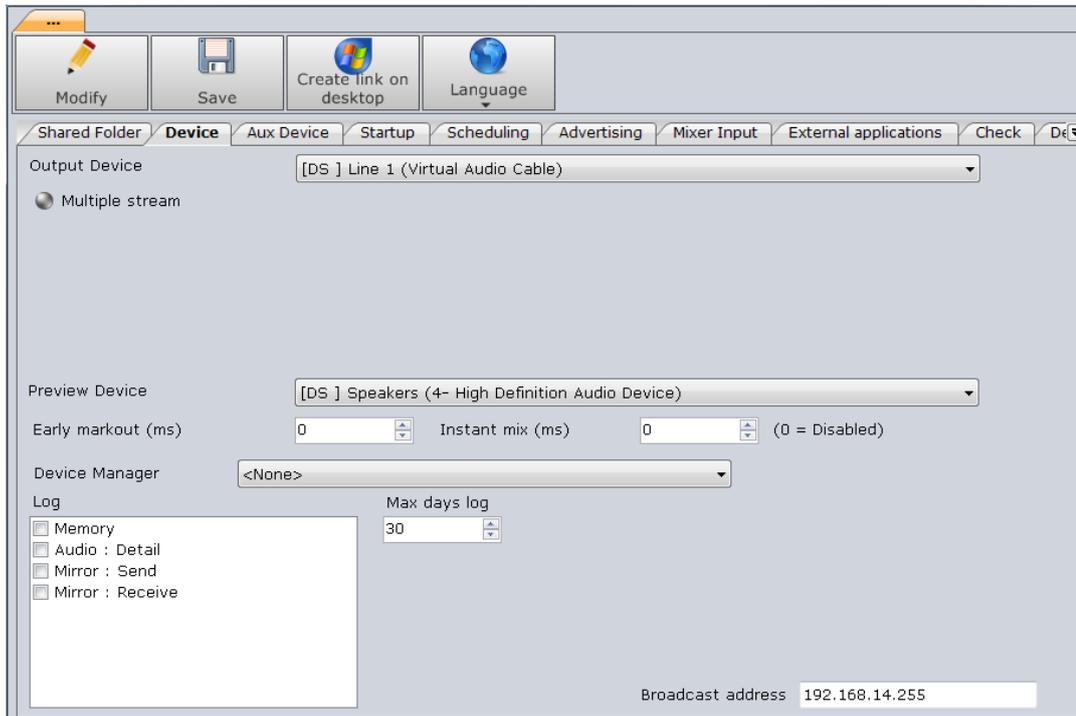
## Configuration

Click on the icon Radio Layout Configuration to launch the program.

In the first tab, you set the shared folder, the folder in which to find the data and write the log of the program, you select the channel and the computer on which make changes.

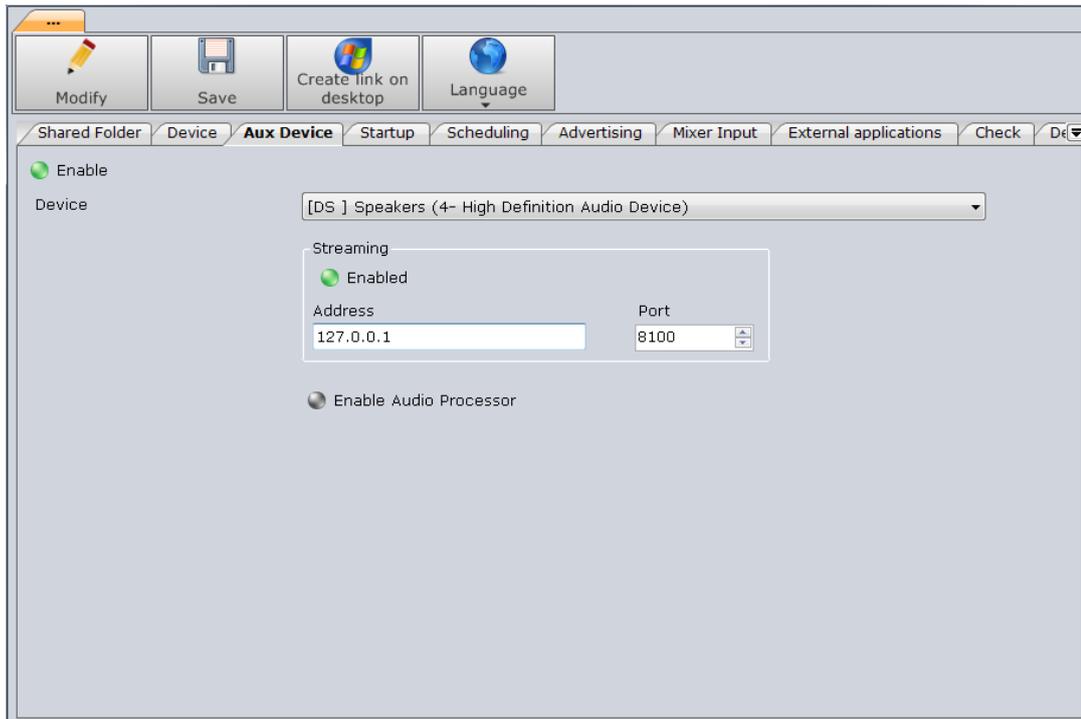
Click the Edit button to set the channel parameters: will become the new tab.

### Device



- **Output Device:** Select the Main output device
- **Multiple Streams:** If enabled you can set multiple streams in output
- **Preview Device:** Select the device for the cueing
- **Device manager:** If you installed the Device Manager software, select the reference computer.
- **Early Markout:** milliseconds of advance of the Markout of the item that is playing
- **Instant Mix:** Enable change Mixout and FadeOut scheduled elements. The time entered corresponds to the time until the end of the playing item, appears in the Edit bar.
- **Log:** Select the log type that you want to store
- **Max days log:** number of days to retain application logs
- **Broadcast Address:** Enter the address of communication between applications

## Aux Device

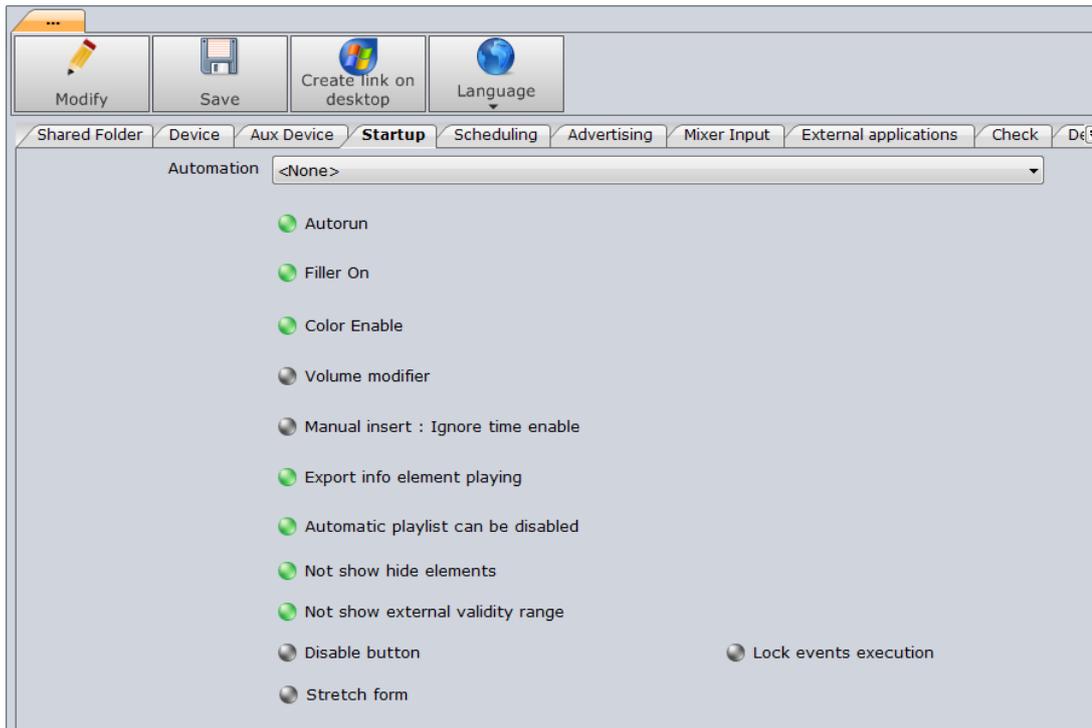


- **Enable:** Enable or disable the auxiliary output
- **Device:** Select the auxiliary output device

### Streaming

- **Enabled:** Enable or disable the direct streaming
- **Address :** Enter the IP address for streaming
- **Port:** Enter the communication port for streaming
  
- **Enabled Audio Processor:** Enables or disables the audio processor on the auxiliary output (the configuration parameters of the processor is made in the tab "Processor")

## Startup

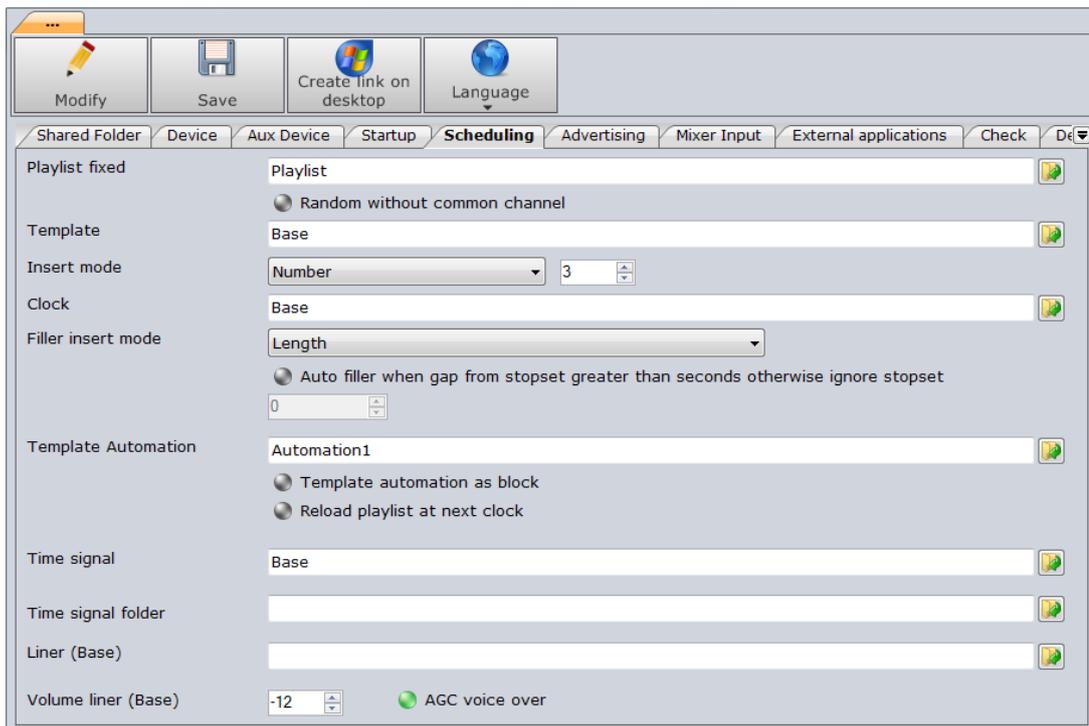


In the configuration of the playout, it is possible to select an automation to execute at the startup.

- **Autorun ON/OFF:** if ON begins playing the playlist at the opening of the program.
- **Filler ON/OFF:** if ON, in the absence of playlists, the files included in a filler playlist will automatically transmit.
- **Color Enable ON/OFF:** if ON in playlist, Flu-O will active colors set in Philo for all the tables.
- **Volume modifier:** enable the playout volume change
- **Manual insert (ignore time enable):** If enabled will ignore months and timetables enabled/disabled if the file is inserted manually by user
- **Export info elements playing:** Generate the file with the playing element info for the streaming metadata.
- **Automatic playlist can be disabled ON/OFF:** you can disable the automatic loading of the daily schedule
- **Not show hidden items**
- **Not show external validity range**
- **Disable button:** disables the buttons to repeat and loop
- **Stretch form:**
- **Lock events execution:** Lock the player functions during the execution of the events

## Scheduling

You can create all the .xml file required in this tab by Philo Media Manager.

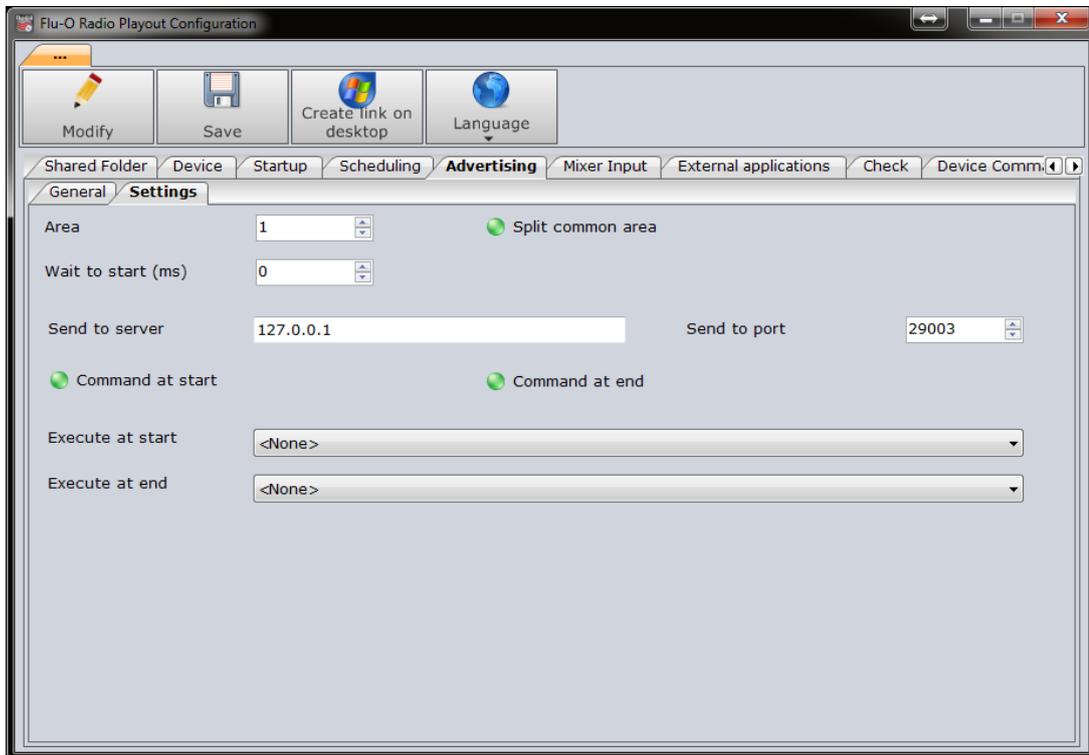


- **Playlist fixed:** playlist that, in the absence of the palimpsest, base-template and base-clock, will be loaded for the airplay.
- **Template:** will be loaded in the absence of the palimpsest.
- **Insert Mode:** (active in absence of the palimpsest) **Number:** Insert the number of items specified by the user. **All clock elements:** inserts all the clock elements. **To the next clock:** only inserts the number of elements needed to reach the next clock.
- **Clock:** will be loaded in the absence of the palimpsest and template.
- **Filler insert mode:** indicates the type of selection of the filler. **Cyclic:** the program will attempt to rotate the greatest possible number of files, with **duration** in the selection of files, the priority will be given always at the time to fill and then the length of the file, with **Runtime Scheduling** playout will follow the settings of the base-clock. We recommend setting the field on **duration** if the archive of the filler is wide and varied in terms of the durations of the file.
- **Auto filler when gap from stopset greater than seconds, otherwise ignore stopset:** Insert the seconds of gap
- **Template Automation:** select the templates in which are all configured the hourly automation and events of the channel.
- **Template Automation as block:** set the template automation as a single element
- **Reload playlist at next clock:** the change made to the palimpsest in Philo Media Manager will apply from the next clock
- **Time signal folder:** Select the folder of the file you want to use for the time signal, the format must be 0700.mp3, 0701.mp3 etc.
- **Liner (Base):** set the default base for the liners.
- **Volume liner (Base):** Set the lowering of the volume of the tracks in the case of overplaying with the liner and Voice Over
- **AGC voice over ON/OFF:** If enabled increases the volume of the Liners and the Voice Over to 0 db.

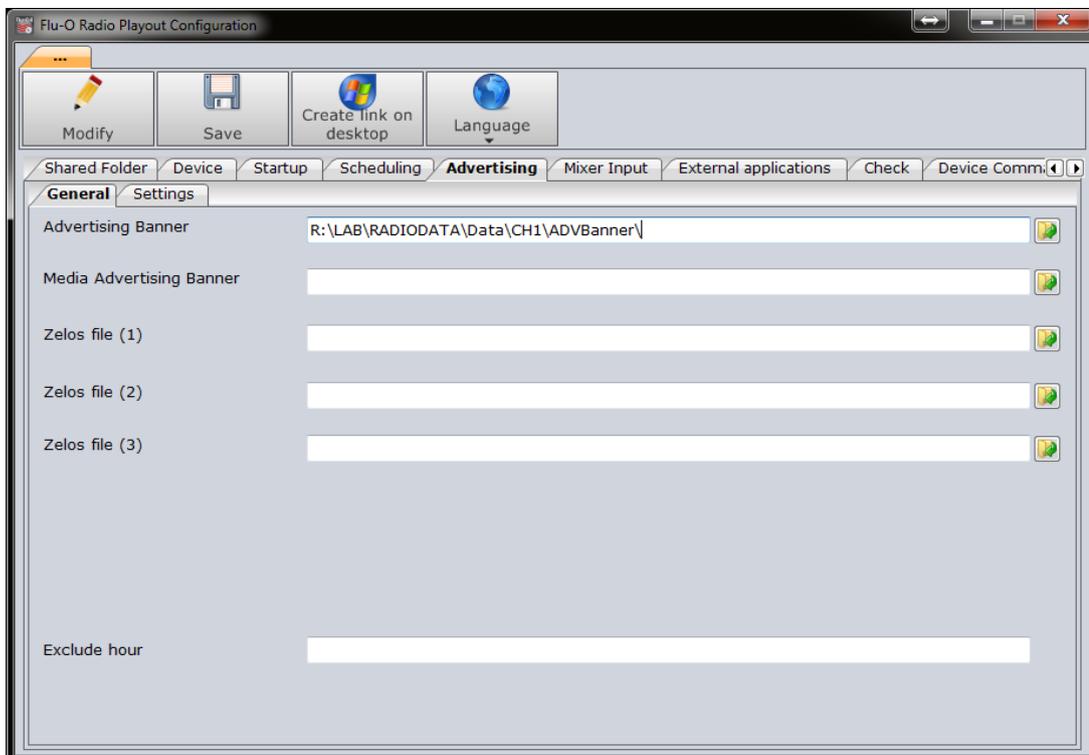
## Advertising

### The Settings

Contains the configuration of the split/area transmitted by the playout and allows you to combine an automation at the beginning and at the end of the break. The automations must have been previously created in Philo Media Manager.



### General



Select the folders where files are located with the programming and advertising banners.

- **Banner advertising:** the path of the file created for the advertisement schedule
- **Media banner advertising:** Folder of commercial elements
- **Zelos file (1-2-3):** the path of the exported files through Zelos

### Mixer Input

List of the available inputs (stream).

Select from the menu the input device among those installed.

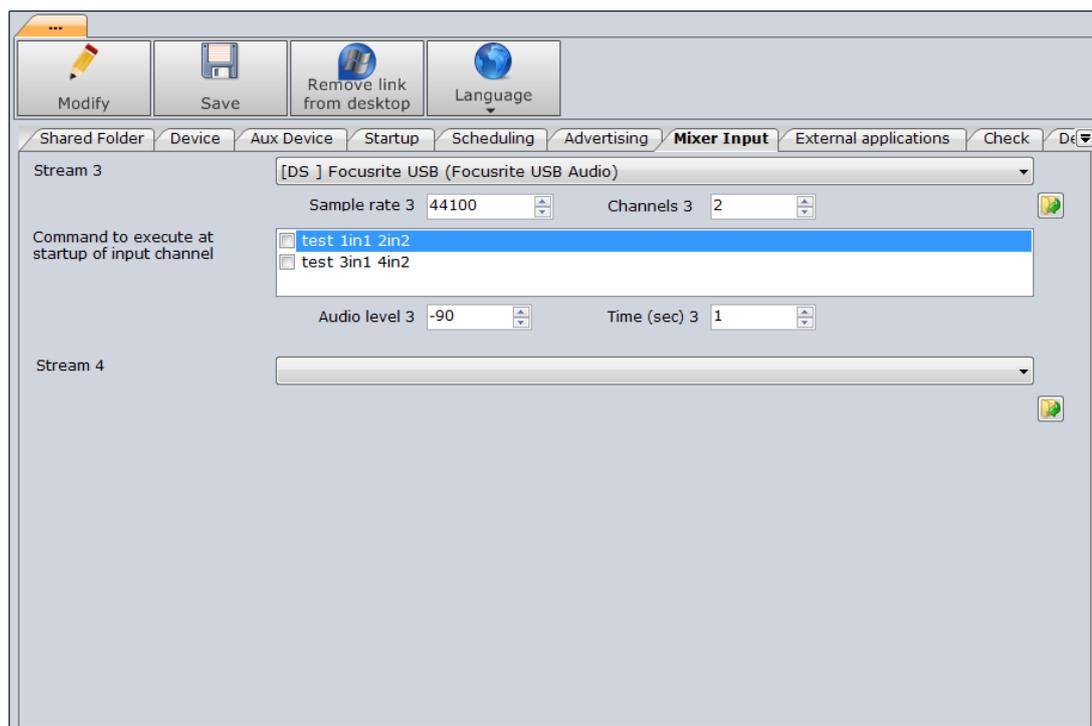
**Simple rate:** the format of the bitrate in input (default 44100)

**Channels:** number of the channels of the device (mono or stereo)

**Command to run at startup of the stream:** If you also have installed the Device Manager will be visible the list of automations set (Philo Media Manager).

**Audio level:** threshold below which the live clip will be terminated

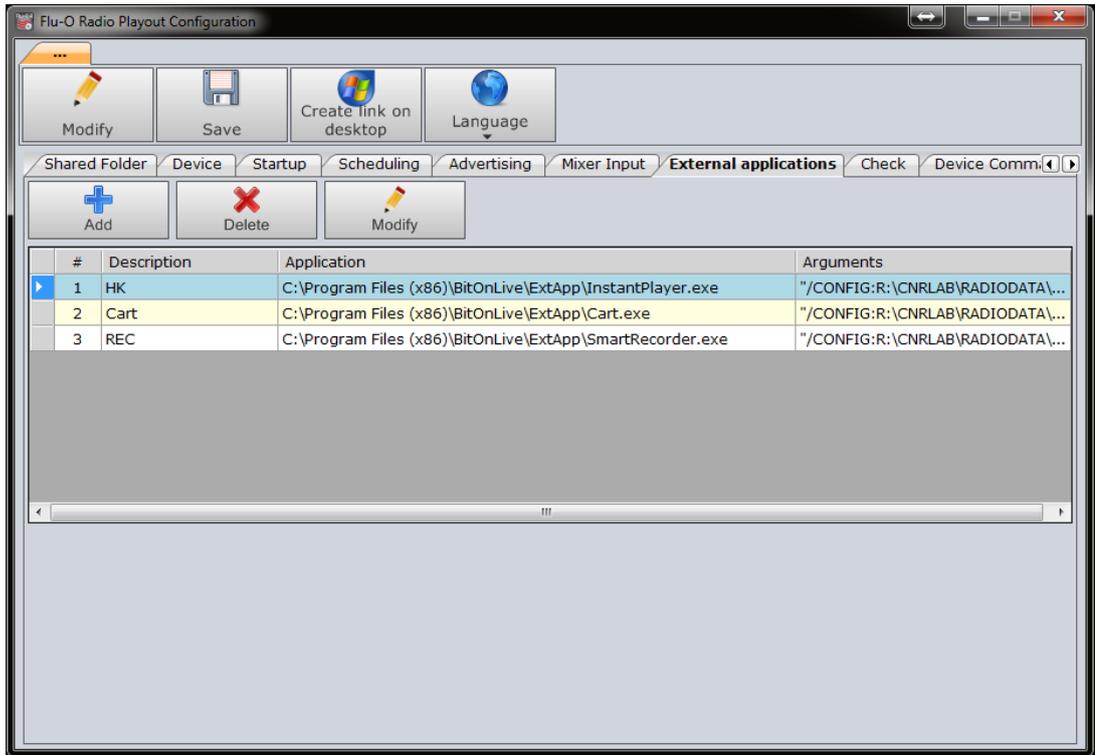
**Time:** Time after which the clip will be stopped once the volume is passed below the set threshold.



To properly configure the Clip "live" refer to the manual of **Philo Media Manager** in the "HOW TO" section (p. 55)

## External Application

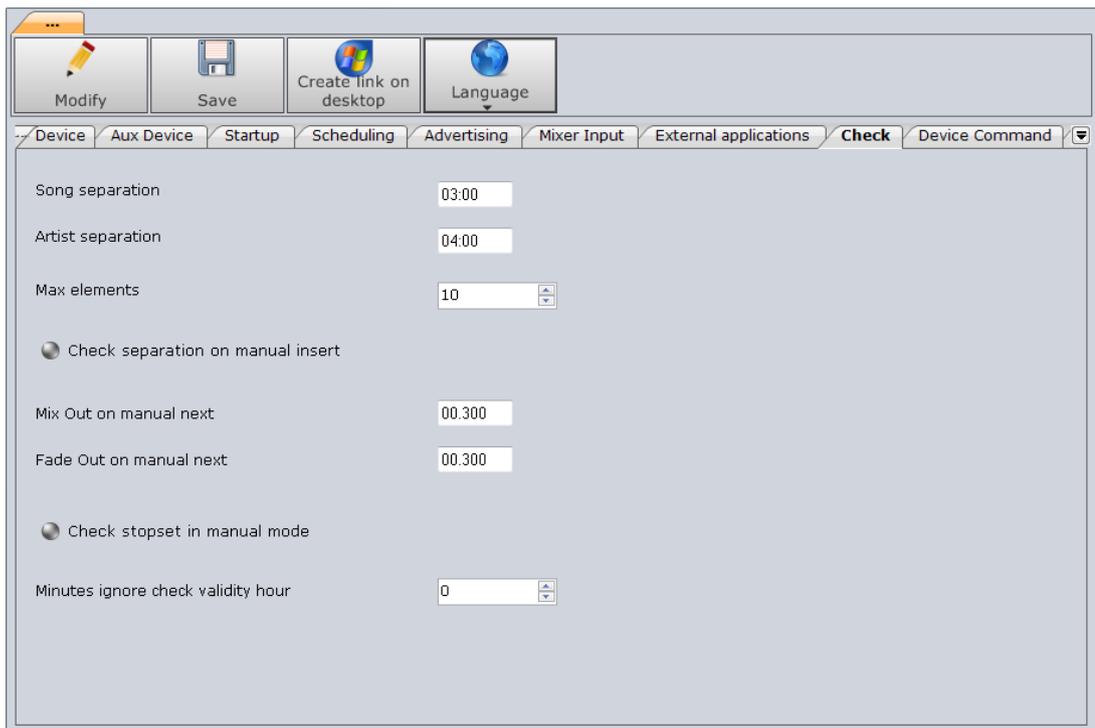
This is the list of external applications that you can add to the interface of the playout, for example the recorder, the cart, the hotkey.



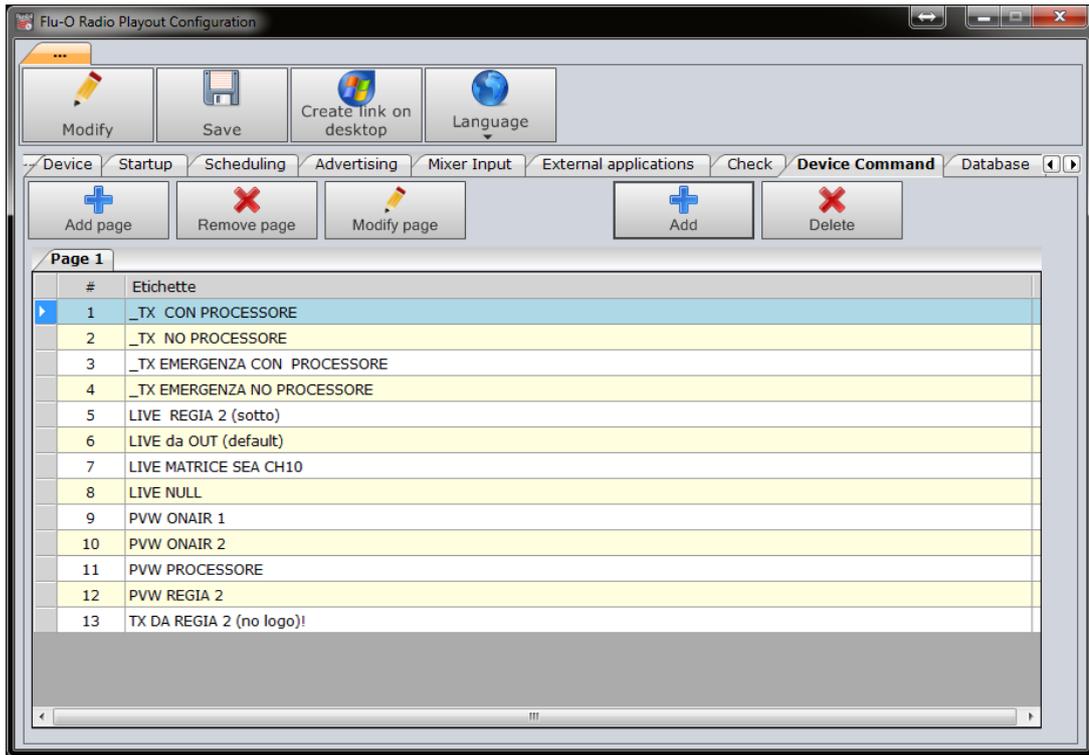
## Check

When a song is inserted manually in the playlist, the software controls that for author and song respect the minimum times of separation inserted in this mask.

It is also possible to determine the time of mix and fade at the time of the selection of the next button.



Device command



List of the key for the external device control that was displayed in the playout (Tools).

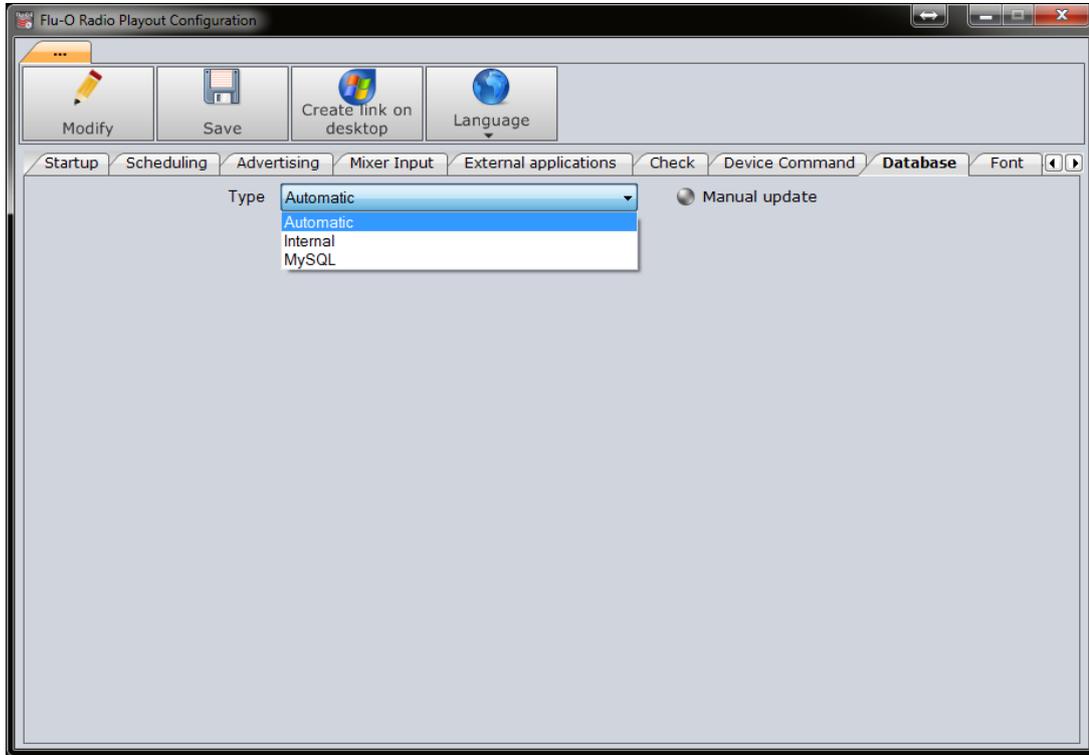
Press **Add** to add keys and tick the action in the list proposed; press **Add page** to add pages (tab).

Press **Save** to save the changes.

### Database

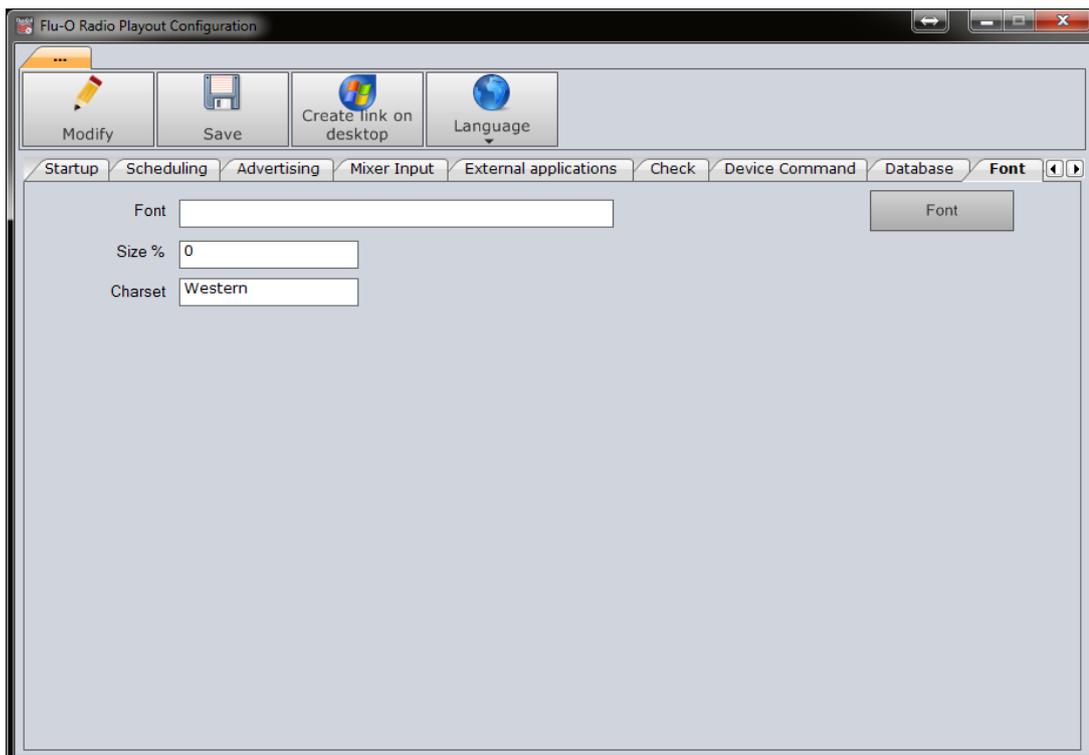
Select the type of database used.

- Auto (default)
- Internal
- MySql



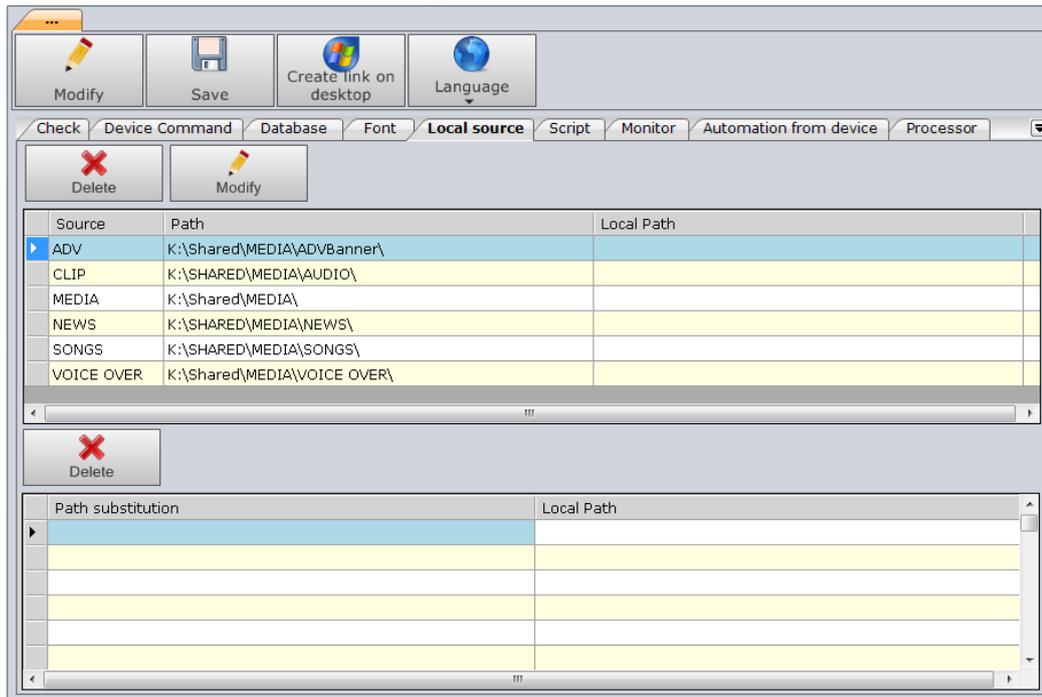
### Font

Allows customization of the font used in the playout.



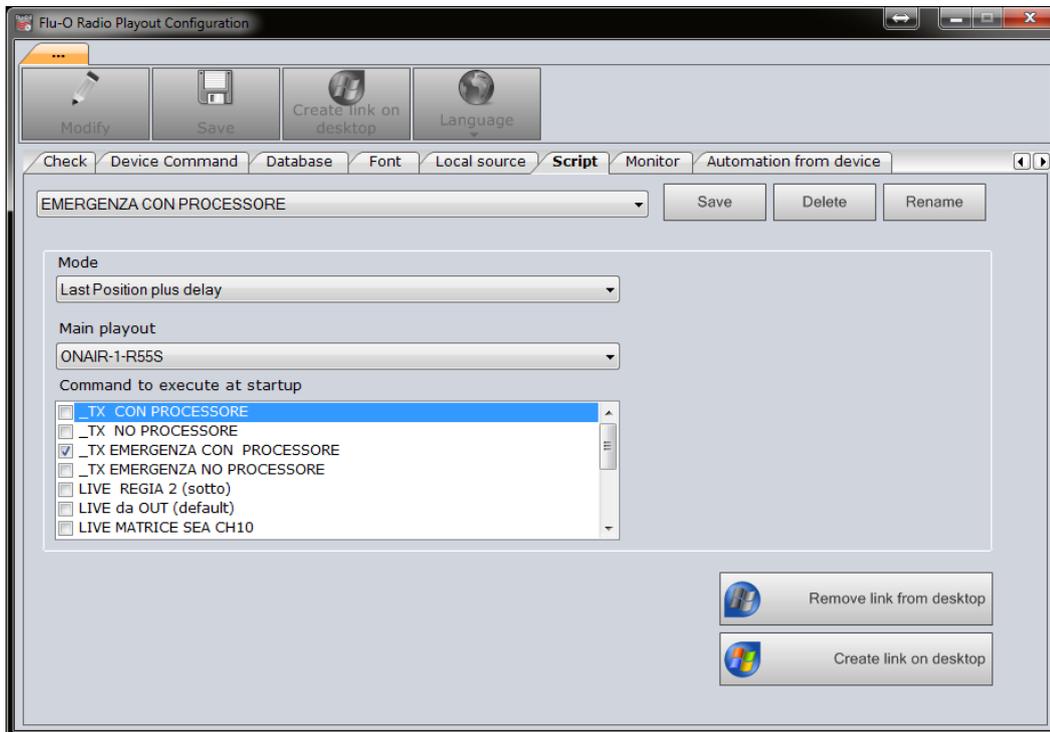
### Local source

Returns the list of sources set in Philo and you can edit them in the case in which locally are different.



### Script

In the **Script** tab, you can generate the instructions, which can be applied at the start of the software.



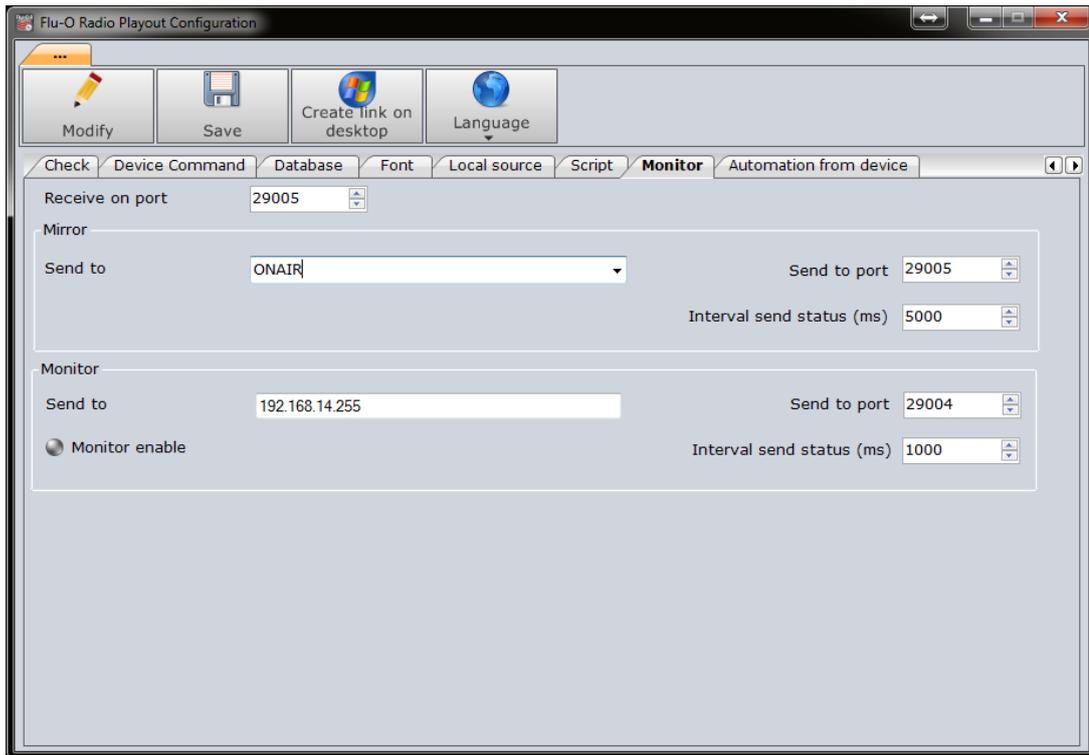
**Mode** is the startup mode, i.e. as must be loaded the playlist:

- From the beginning
- Last position (with reference to the main playlist to indicate in the next field)
- Last position more delay (delay is the time of starting the software)
- Current Time

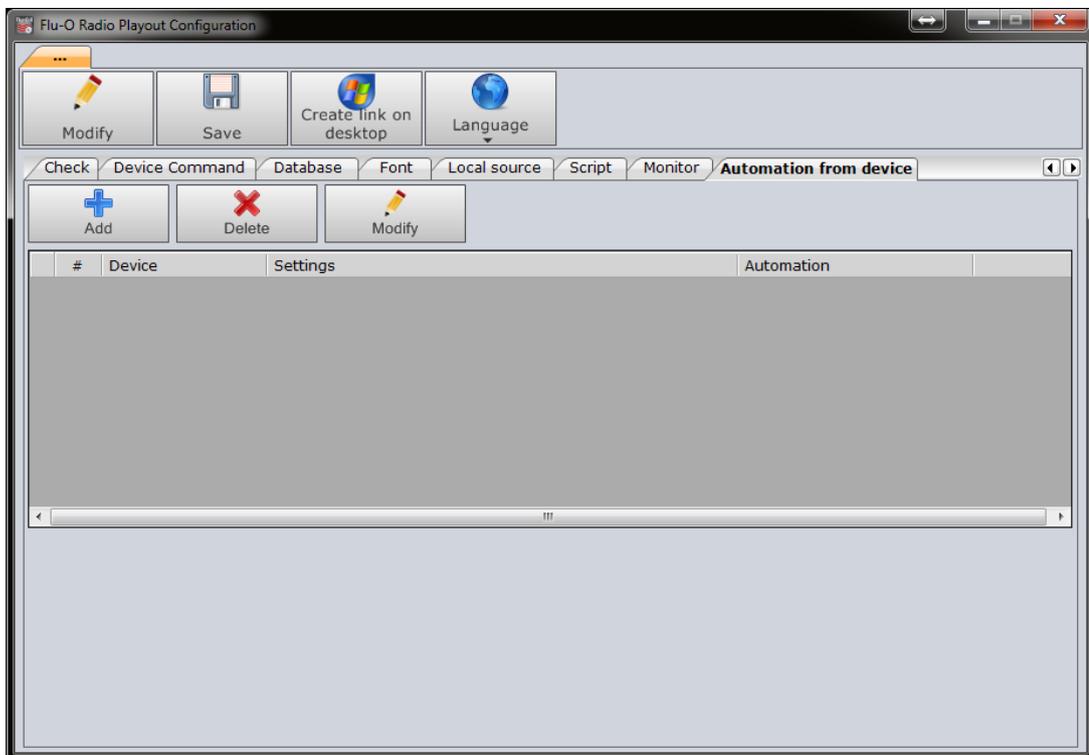
**Command to run at startup:** Lists commands to the Device Manager set in Philo Media Manager

### Monitor

The setting of the emergency system (monitor) and mirroring.

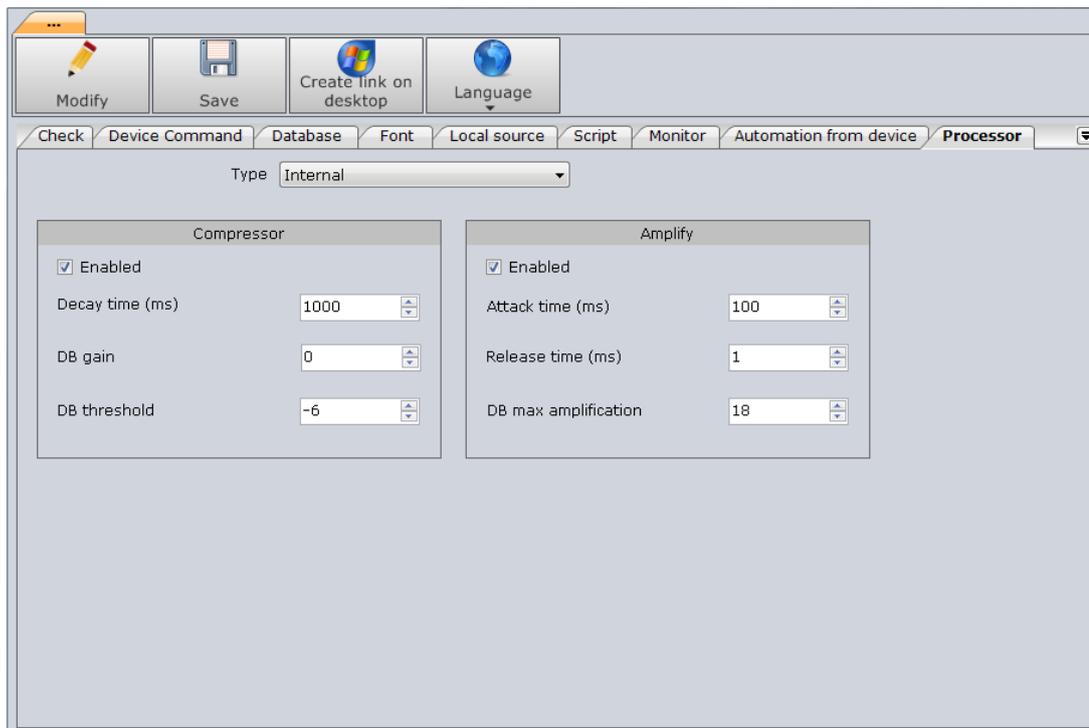


### Automation from device



## Processor

In this tab you can enable the audio processor on the auxiliary output (to enable in section Aux Device)



Type: If you want to use the audio processor for the auxiliary output select Internal

### Compressor

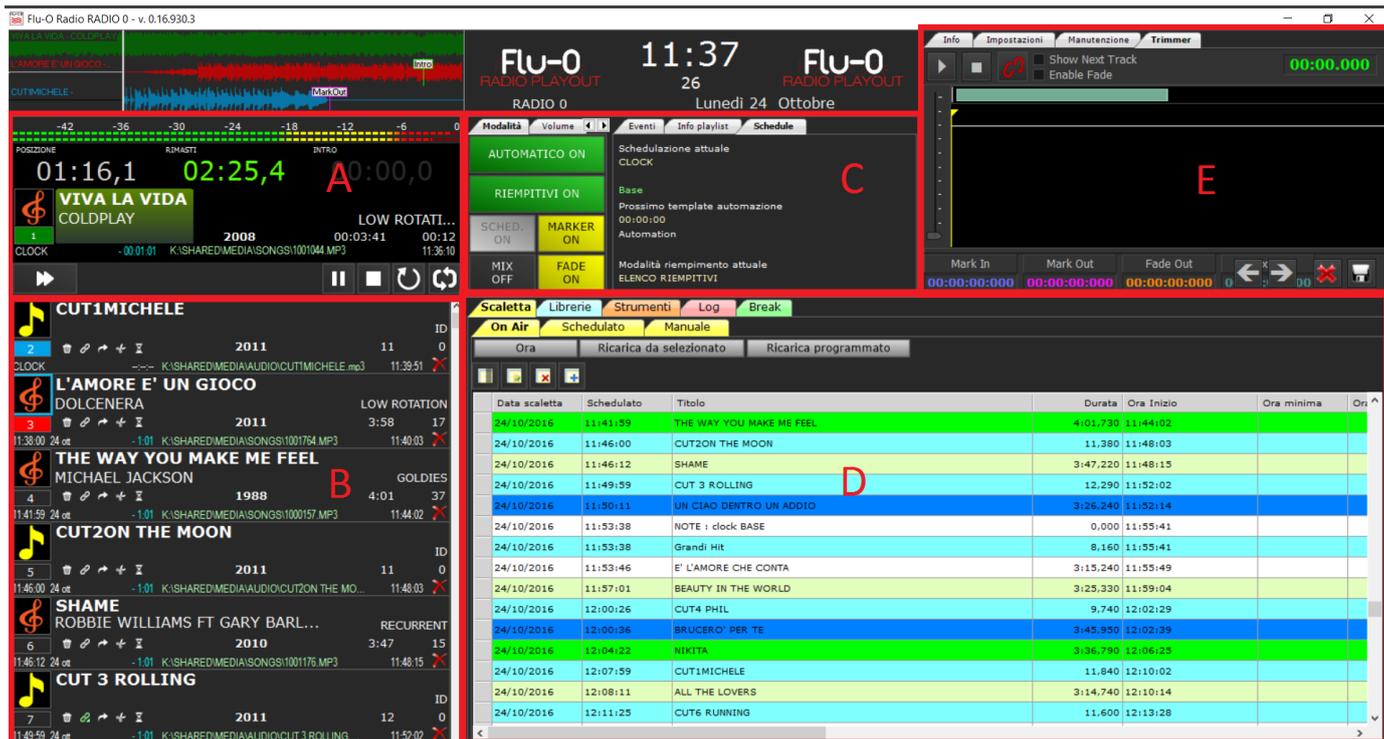
- **Enabled:** Enables or disables the compressor
- **Decay time:** Time in milliseconds of the release of the compressor
- **Db Gain:** Volume in db of gain to be applied to the compressor
- **Db Threshold:** threshold of the compressor in Db

(The values of Ratio and etching are set by default to 2:1 and 0.05 sec)

### Amplifier

- **Enabled:** Enable or disable the amplifier
- **Attack time:** attack time in milliseconds
- **Release time:** release time in milliseconds
- **Db Max Amplification:** maximum amplification in Db

Work Area



The working area of the user show several parts:

- A => data relating to the element in play.
- B => active playlist.
- C => volume control and status of playout; viewing delay/advance and data on the type of programming you are working with; and information on the upcoming advertising break.
- D => database, log, instruments for operations on the playlist.
- E => General Information on software configuration, cueing and trimmers.



- 1 => position to which came the reproduction
- 2 => Time Remaining
- 3 => Time is missing the point of intro (set in the table of the file in the **Philo Media Manager**)
- 4 => Title
- 5 => Artist
- 6 => position in playlist
- 7 => Programming mode of the file (CLOCK, Template, User or the date and time if the palimpsest)
- 8 => advance/delay with respect to the programed time or at the next STOPSET
- 9 => Year
- 10 => name and path of the file
- 11=> element lifetime
- 12 => Category
- 13 => Intro
- 14 => playing time of the element

**Commands**



[F4] Interrupts the onair event and passes to the next



[F5] Interrupts the event onair using the fade set and sets the function "Automatic" to OFF



[F1] If the playout "Automatic" function is off starts playing the first file in the playlist; if it was previously clicked the pause key, causes restart playback



[F2] Pauses the event onair



[F3] Interrupts the onair event and set to "Automatic" to OFF



By clicking the **Loop** button, the onair file will be transmitted in a loop until the loop is disabled or until user press the **NEXT** button.



Click the **Replay** button to play the onair file will start again from the beginning.

## Playlist (area B)

In this area, you will find the complete list of what composes the playlist; for each element are specified the various data as for the onair event.



Are indicated the additional information for each item in the playlist, too.

-  If the icon is green means that the file is **adjustable**, and then in the case of necessity, in the presence of one StopSet for example, will be automatically reduced the duration using the parameters of the intro and outro
-  If the icon is green means that the file is a **suspendible**, in case of need the file can be removed from the playlist
-  If the icon is green means that the file is **chained** to the next file. If Yellow means that is chained to the previous one and is the last of the group.
-  If the icon is green the file will be skipped and will go directly to the next one
-  To remove a file, only from this list, click **Delete**

By clicking with the right mouse button on the record, you will see a menu with several options:

- **Trimmer:** Allows you to edit markin markout of the file directly from flu-O
- **Cut:** removes the selected item from the playlist
- **Copy:** Copy the selected item
- **Paste:** paste in the position in which is located the mouse the item copied or cut

Using the drag and drop function is possible to move the items inside the playlist.

## Status of playout area (C)

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### Mode / Volume

In this section of the player is present the playout state control.

|                      |  |
|----------------------|--|
| <b>AUTOMATIC ON</b>  | The switch to the next event is automatically  |
| <b>AUTOMATIC OFF</b> | At the end of the file onair the program will stop and wait for commands                                       |
| <b>FILLER ON</b>     | In the event of need <b>Flu-or Radio Playout</b> will automatically fill any holes with the filler file        |
| <b>SCHED. ON</b>     | If is enabled in the configuration of the playout, allows you to enable or disable the check of the scheduling |
| <b>MARKER ON</b>     | Enables or disables the markers set through Philo  |
| <b>MIX ON</b>        | Enables or disables the points of mix between songs  |
| <b>FADE ON</b>       | Enables or disables the points of fade between songs   |

You can also check the master volume of output of flu-O through the fader present in the tab Volume

### Events / Info Playlist / Schedule

In the events section, you can check the time of the next programming events and their contents.

| Events          | Info playlist | Schedule |
|-----------------|---------------|----------|
| Next            | 19/01/2017    |          |
| <b>10:30:00</b> |               | 00:10:33 |
| 00:00,00        | ORARIO        |          |
| 00:00,00        | BREAK 10:30   |          |

In this section, there is also an indication of the time remaining to the next event or the delay of the playlist with respect to the time of the event (highlighted in red).

In the Info playlist and schedule tabs, are displayed other information relating to the state of the playout (On Line and Mirror mode); the delay with the scheduling; information about which type of scheduling you are following (Clock, Template, Palimpsest), which elements will be inserted in the template of the automations.

### Info

In the tab are summarized the configuration data of the playout, the version of the license and the date of expiry.

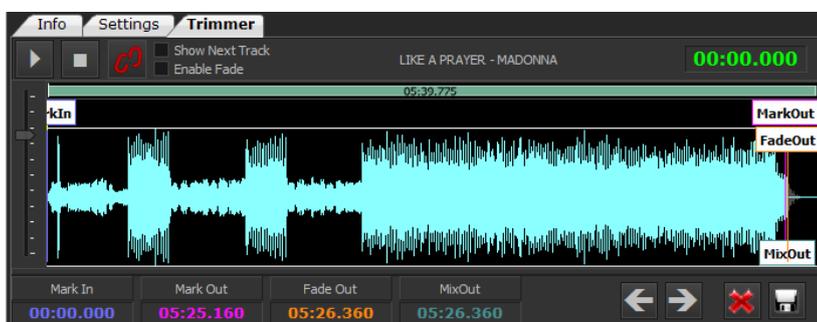
### Settings

You can load the palimpsest of a specific day by selecting it from the calendar. The operation is only possible to playout stationary.

### Trimmer

Thanks to the function of a trimmer, you can set markin markout and a file directly from the playlist. The modified marker do not change into the database, but will be applied only in the playlist.

To change the markers of an item in the playlist right-click on the item and select trimmer or drag the file into the section **Trimmer (E)**.



List of function keys of the Trimmer:

-  Starts playback of files
-  Stops playback of files
-  By moving the MarkOut automatically FadeOut and MixOut will follow the displacement
-  Save the changes made to files and moves to the previous track
-  Save the changes made to files and moves to the next track
-  Click **Save** to finish the operation and apply the changes
-  Click **Close** to complete the operation without saving changes

## Palimpsest, libraries, Log, tools (Area D)

This section enables you to navigate through the Scheduling and database, as well as see the logs of **Flu-O Radio Playout**.

| Data scaletta | Schedulato | Titolo                       | Durata   | Ora Inizio | Ora minima | On |
|---------------|------------|------------------------------|----------|------------|------------|----|
| 25/10/2016    | 11:05:26   | 21 GUNG                      | 4:32,320 | 11:09:54   |            |    |
| 25/10/2016    | 11:09:58   | CUT4 PHIL                    | 9,740    | 11:14:27   |            |    |
| 25/10/2016    | 11:10:08   | MIRACLE WORKER               | 4:06,360 | 11:14:36   |            |    |
| 25/10/2016    | 11:14:14   | 1 SOLITI                     | 3:33,280 | 11:18:43   |            |    |
| 25/10/2016    | 11:18:00   | NOTHING                      | 4:26,110 | 11:22:16   |            |    |
| 25/10/2016    | 11:22:26   | UNFORGIVABLE SINNER          | 3:52,000 | 11:26:42   |            |    |
| 25/10/2016    | 11:29:00   | STORSET 11:29:00 -> 11:32:00 | 0,000    | 11:30:34   | 11:29:00   | 11 |
| 25/10/2016    | 11:29:00   | Radio Evoluzioni             | 8,240    | 11:30:34   |            |    |
| 25/10/2016    | 11:29:08   | IT GIRL                      | 3:06,470 | 11:30:42   |            |    |
| 25/10/2016    | 11:32:14   | MR TOKYO                     | 3:36,860 | 11:33:49   |            |    |
| 25/10/2016    | 11:35:51   | CUTE RUNNING                 | 11,600   | 11:37:26   |            |    |
| 25/10/2016    | 11:36:03   | MONARCHY OF ROSES            | 3:39,500 | 11:37:37   |            |    |
| 25/10/2016    | 11:39:42   | HIGH                         | 9:07,340 | 11:41:17   |            |    |
| 25/10/2016    | 11:44:50   | CUTZON THE MOON              | 11,380   | 11:46:24   |            |    |
| 25/10/2016    | 11:45:01   | MISERY                       | 3:15,960 | 11:46:35   |            |    |

### The palimpsest

#### The palimpsest

In this tab, you can view the complete list of files already transmitted (in *italics*) and those scheduled.

Use the following keys to edit the playlist or move inside it.

**Now** Place the playlist on the row corresponding to the element in wave in the instant in which it is depressed.

**Reload from selected** Charge and reload the position point of the playlist, including the manual changes.

**Reload scheduled** Performs the reload of the scheduled playlist.

#### Manual

In the Manual tab you will find the manual playlist created with **Philo Media Manager**, you can upload them to the playlist with the simple drag and drop.

By clicking on the button **Empty Playlist** will be deleted all scheduled events in the left list (area B).

| Playlist       | Duration |
|----------------|----------|
| <i>_Random</i> | 00:00:00 |
| Random         | 21:35:31 |
| ▶ test         | 00:03:26 |

Drag and drop the playlist to be transmitted in the left list (Area B), if the key **replace all** is pressed, it will be deleted all the current playlist and replaced with the selected one.

If the **Loop** button is pressed, the playlist inserted will be transmitted to the Infinite.

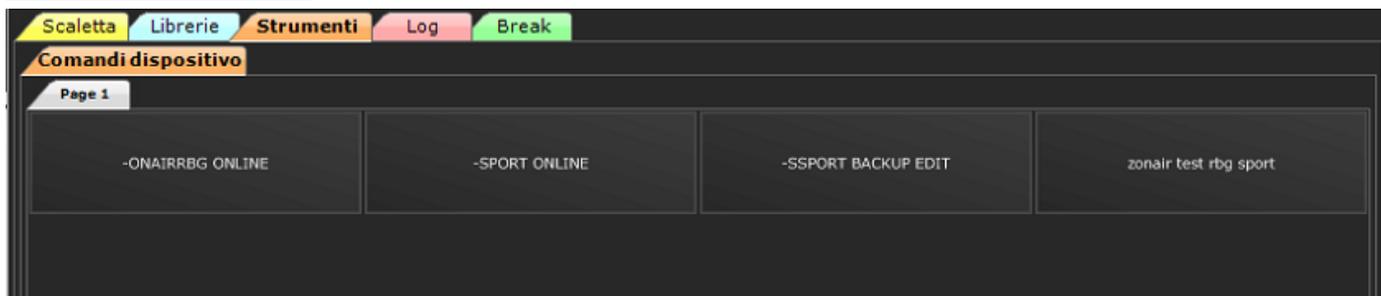
### Libraries

All of the archive inserted and managed with **Philo Media Manager** is here available to the user for a rapid insertion in the playlist.

To insert a new file, select the file from the list and drag it to the desired point of the ladder (area B).

### Tools

#### Commands to devices



In the **Device command** section are all keys associated to the external commands, this controls must be set in the Philo Media Manager.

### Log

In the **Log** section it is possible to monitor events went on air on **Flu-or Radio Player**.

In the tab transmitted are highlighted items with different colors:

- White: element onair
- Green: file correctly transmitted
- Red: The file has not been transmitted and in the column **Status** are indicates the reason
- Gray: The file was suspendable and has not been transmitted

|   | Begin Hour             | Length       | Title                        | Artist      |
|---|------------------------|--------------|------------------------------|-------------|
| ▶ | 28/05/2015 16:19:32... | 00:04:18,... | IL MEGLIO DEVE ANCORA VENIRE | LIGABUE     |
|   | 28/05/2015 16:14:17... | 00:05:15,... | HEAL THE WORLD               | MICHAEL JAC |
|   | 28/05/2015 16:10:50... | 00:03:26,... | DE DO DO DO DE DA DA DA      | POLICE      |
|   | 28/05/2015 16:10:50... | 00:00:00,... | Love Never Felt So Good      | MICHAEL JAC |
|   | 28/05/2015 16:09:11... | 00:01:38,... | WHITE CHRISTMAS              | ZUCCHERO    |
|   | 28/05/2015 16:08:06... | 00:01:05,... | (VIVERE) RIVIERA LIFE        | CARO EMERA  |
|   | 28/05/2015 16:06:27... | 00:01:38,... | (VIVERE) RIVIERA LIFE        | CARO EMERA  |
|   | 28/05/2015 16:04:01... | 00:02:25,... | CHRISTMAS (BABY PLEASE CO... | MARIAH CARE |
|   | 28/05/2015 16:00:32... | 00:03:29,... | ANOTHER ONE BITES THE DUST   | QUEEN       |
|   | 28/05/2015 16:00:31... | 00:00:00,... | All of Me                    | JOHN LEGENE |

In the tab application are listed all the playout operations, both automatic and controlled by user: Preparation of files, add, delete, change of files etc.

**Break**

In the section **break**, you will find the list of advertising break scheduled and in the lower part the detail for each.

If the line of break is red means that is missing one or more files for that break.

| Playlist Libraries Tools Log Break  |              |              |               |  |
|-------------------------------------|--------------|--------------|---------------|--|
| Date                                | Description  | Length       | Start At      |  |
| 27/05/2015                          | 00:20        | 00:00:35,346 |               |  |
| 27/05/2015                          | 00:50        | 00:00:27,096 |               |  |
| ▶ 27/05/2015                        | 06:20        | 00:01:08,096 |               |  |
| 27/05/2015                          | 06:30        | 00:00:30,171 |               |  |
| 27/05/2015                          | 06:50        | 00:01:13,271 |               |  |
| 27/05/2015                          | 07:00        | 00:00:00,000 |               |  |
| 27/05/2015                          | 07:04        | 00:00:00,000 |               |  |
| Description                         | Mark In      | Mark Out     | File          |  |
| ▶ OK SALUTE estate 2014             | 00:00:00,000 | 00:00:30,171 | R:\CNRLAB\RAD |  |
| 26176 ELSYNET 30sec Lombardia con y | 00:00:00,000 | 00:00:37,925 | R:\CNRLAB\RAD |  |