



# STREAMER USER MANUAL

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**bit**onlive

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# Streamer

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**Streamer Cinecloud** is the **BitOnLive** program for the cinemas monitoring and management.

Allows full control of all the theaters through a simple and intuitive interface.

With **Streamer Cinecloud** the user is able to monitor in real time the situation of all the Theaters, know the status of the player and view the schedules of the entire cinema.

Create show by inserting movies, music, automation and advertising.

Schedule the show in the various theaters and schedule full days of programming.

<b>Summary</b>	
Menu Bar .....	3
Theater.....	4
Monitor.....	4
Player .....	4
The Timeline .....	5
Content .....	6
Content.....	6
Details.....	6
Show .....	8
Intermission .....	9
Library .....	9
The Playlist.....	10
Intermission .....	11
Library .....	11
Ingest DCP.....	12
Ingest KDM .....	13
Schedule.....	14
Status.....	16
Visalize Event Day .....	16
Verify Schedule Integrity.....	17
Verify CPL Ingest .....	17

Setup..... 18

- Theaters setup..... 18
- Database Setup..... 19
- The Setup Status..... 19
- Setup Folders..... 20
- General Setup..... 20
- Software Languages ..... 21
- Verify Software Integrity ..... 21

# Menu Bar

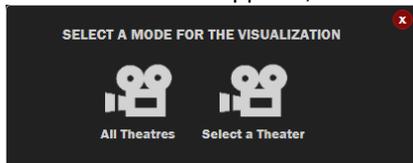
By opening the **Streamer Cinecloud** page, the user can navigate within the sections of the program through the menu bar.



- 1 => **Main Menu**
- 2 => **Submenu**
- 3 => **Clock**
- 4 => **Events of the day**
- 5 => **Exit**

By clicking on the **VISUALIZE EVENTS DAY** button, you can view the today's events list with respect to the indicated theater.

In the window that appears, select the option you want.



If you want to view the events of a single theater, select the desired theater.



In the new window will be listed the list of all events in the indicated theater.

**EVENTS OF THE DAY 27-02-2018**

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**THEATRE 4**

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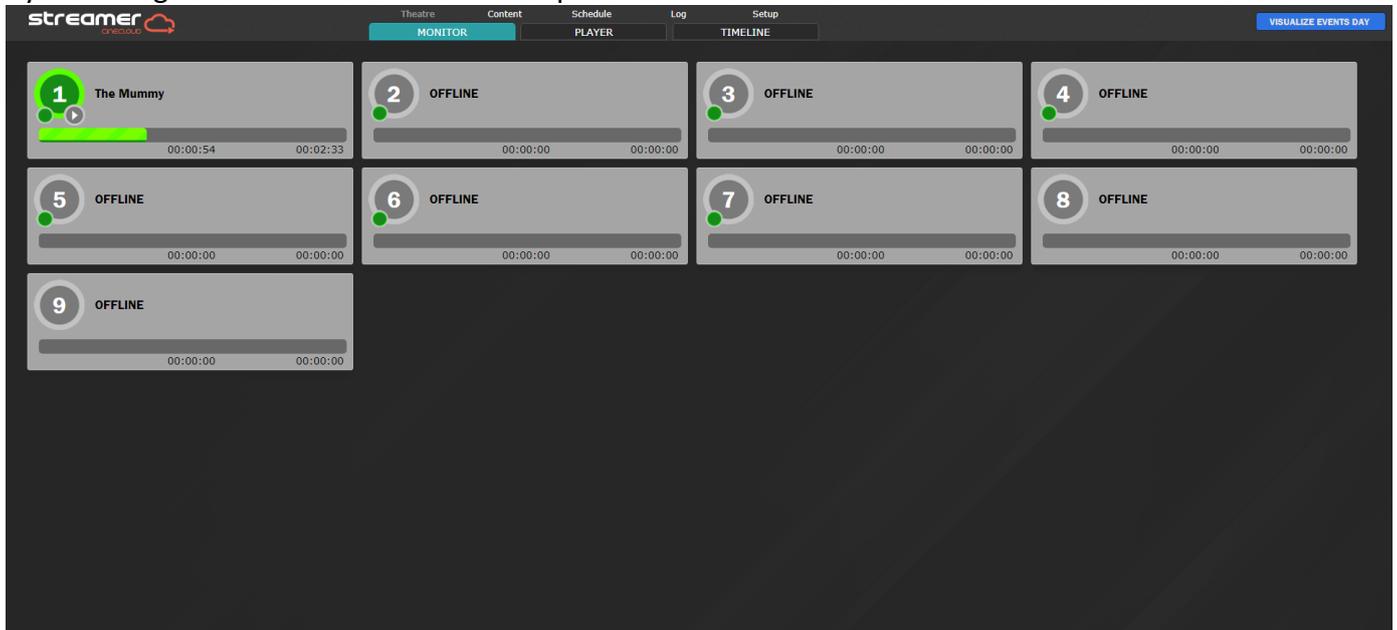
[21:23 - 23:54]  
**BLACK PANTHER 2D 2502**  
 Duration: 02:31:44

[21:23:00 - 23:54:34] BLACK PANTHER 2D 2502	02:31:34
[21:23:00 - 21:23:00] LAMP_ON	
[21:23:00 - 21:23:05] Black (5 seconds) 185 JPEG	05
[21:23:05 - 21:23:10] Black (5 seconds) 185 JPEG	05
[21:23:10 - 21:23:10] DSL ON	Int: 01
[21:23:10 - 21:23:10] AUDIO DIGITAL 1	Int: 03
[21:23:10 - 21:23:10] FLAT	Int: 04
[21:23:10 - 21:23:15] Black (5 seconds) 185 JPEG	05
[21:23:15 - 21:23:15] LIGHT 50%	Int: 01
[21:23:15 - 21:23:15] DOWSER ON	Int: 02
[21:23:15 - 21:23:15] AUDIO 3S	Int: 03
[21:23:15 - 21:23:45] 0005_NTW-Nepo30_ADV_F_IT-XX_IT_S1_2K_SL_20182005_PZA_IOP_OV	30
[21:23:45 - 21:23:45] AUDIO 40	Int: 29
[21:23:45 - 21:23:50] RP-237-sigla_rai_pubblicita	05
[21:23:50 - 21:24:32] RP-2705-E_arrivata_la_felicita_ogni_martedi	42
[21:24:32 - 21:25:03] RP-2390-Pannitteri_Arancia_rossa_30	30

# Theater

## Monitor

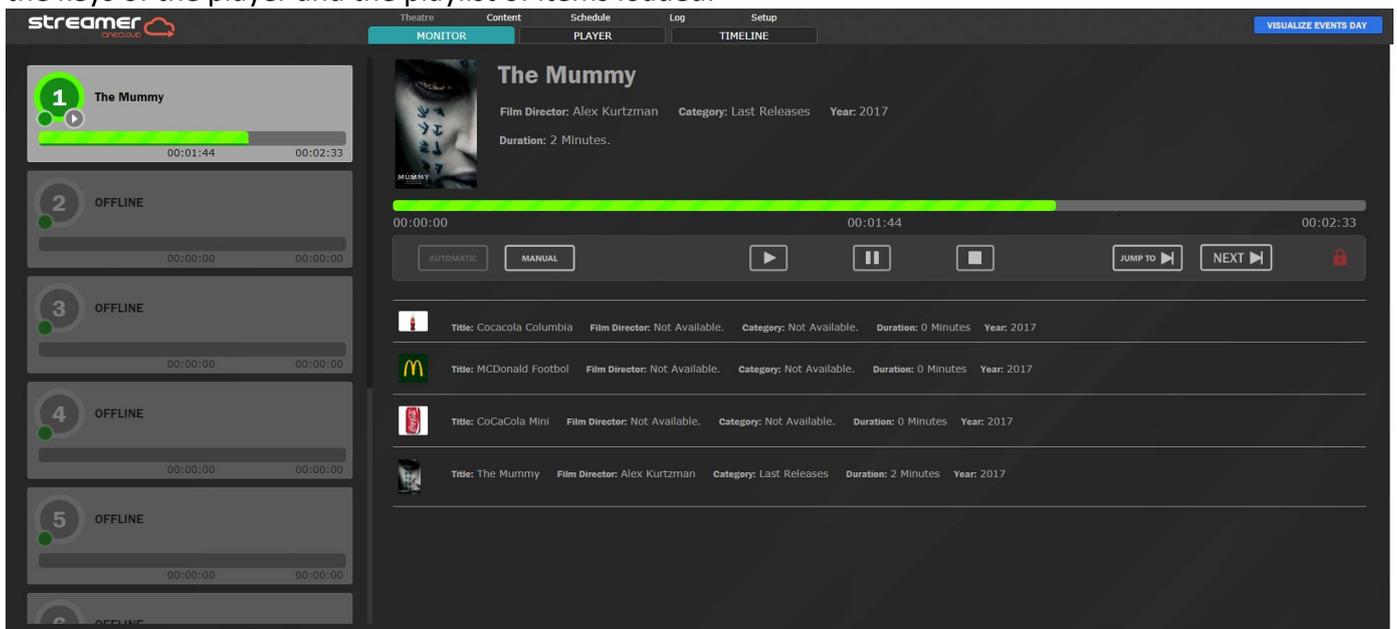
By accessing **Streamer Cinecloud** screen opens the main monitor.

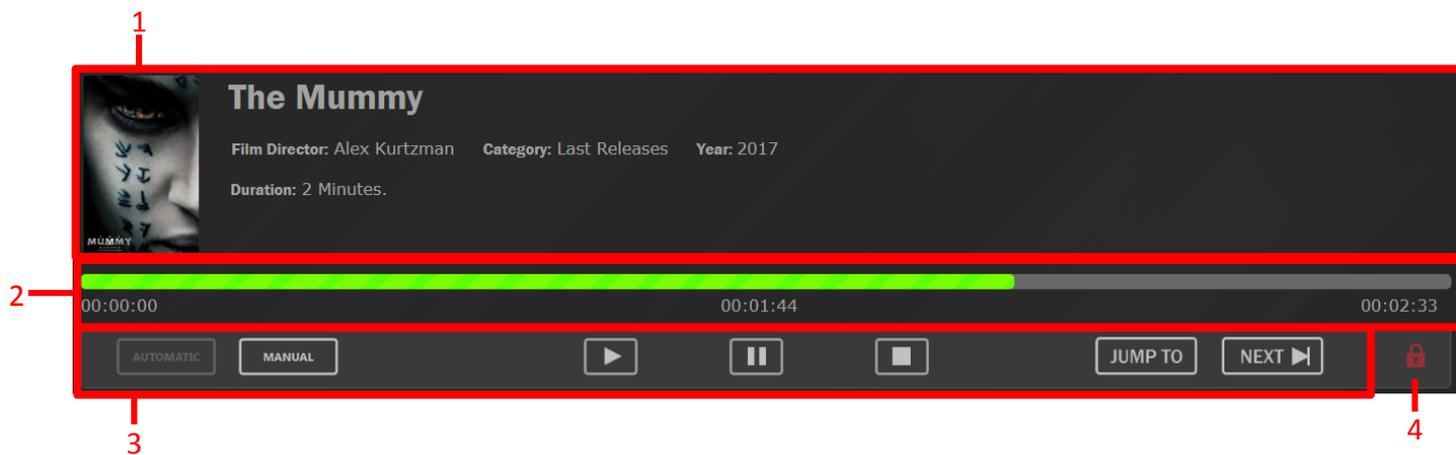


Here are listed the theater players and with a quick glance you can know the status of the room, which content is playing, the point of playback, and the overall duration of the running file.

## Player

By selecting one of the player opens the tab "player", which presents the detail of the element in play, the keys of the player and the playlist of items loaded.





1 => **Element Info:** Image, title, director, category, Year and the duration of the films selected.

2 => **Time bar** with playback point and duration of the file

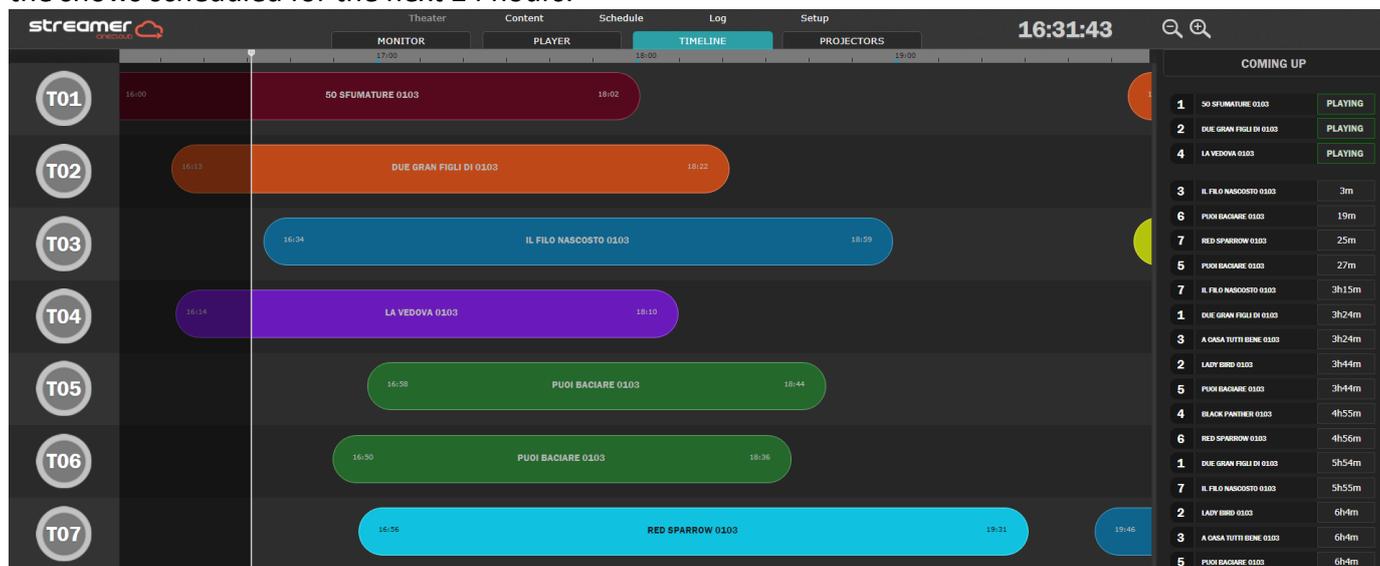
3 => **Player keys:** Automatic/Manual, Play, Pause, Stop, Jump to and Next

4 => **Lock/Unlock:** enables the user to manage the player.

In the underlying part is listed the next elements in playback.

## The Timeline

In the tab "timeline" you can view the schedules of each theaters by controlling the start and end times of the shows scheduled for the next 24 hours.



The list on the right side display all scheduled events with the theater number, the title and the state of play or the missing time at the beginning of the show.

# Content

## Content

In the content section, you can get an overview of the contents of the archives.

3D	SUBTITLES	GROUP	CATEGORY	YEAR	TITLE	DURATION
		UTILI		2018	BARCO-STINGER-4K_ADV_F_XX-EN_BE_5.1_4K_HOA_20101006_ACE	22
		UTILI		2018	BARCO-STINGER-4K_ADV_S_XX-EN_BE_5.1_4K_HOA_20101006_ACE	22
		UTILI		2018	BLACK (1 SECOND) 239 JPEG	01
		UTILI	FG	2018	BLACK (5 SECONDS) 185 JPEG	05
		UTILI		2018	BLACK (5 SECONDS) 239 JPEG	05
		UTILI		2018	BLACK_10MIN_XSN-1_F_51_2K_20150216	10:00
		UTILI		2018	BLACK_15MIN_XSN-1_F_51_2K_20150216	15:00
		UTILI		2018	BLACK_5MIN_XSN-1_F_51_2K_20150216	05:00
		UTILI		2018	CINEMECTRIS_OFFSET	33
	SUBTITLED	UTILI		2018	CUTOFF-MAN_FTR-1_F_HE-EN_IL_51_2K_20120522_UKF_OV	01:19:12
	SUBTITLED	UTILI		2018	CUTOFF-MAN_FTR-1_F_HE-IT_IL_51_2K_20120522_UKF_OV	01:19:12

**Search Option:** to facilitate the search of the elements it is possible to filter the group and category of the elements through the dropdown menu or type the element title in the search box.

By clicking on the column header, items will be ordered with respect to the value of the selected field.

### Details

**DETAILS** DELETE DCP LOAD DCP KDM

BlackPanther\_FTR-11-3D\_S\_IT-XX\_IT\_51-Dbox\_2K\_DI\_20180202\_DTM\_IOP-3D\_OV  
2018

**MOVIE DESCRIPTION**  
Add the Movie Description Here.

**RESET IMAGE**

**DURATION** 02:14:34 **ASPECT RATIO** 2.39 (Scope) **VIDEO FPS** 24

**MOVIE DIRECTOR**  
Add the Movie Director Here.

**ARTIST**  
Add the Artist Here.

**CATEGORY**  
Add the Category Here.

**YEAR** 2018 **COUNTRY** Country.. **LANGUAGE** Language..

**CPL NAME**  
urn:uuid:f32834ba-8824-4db3-8d9e-4b79b11dd56e

By selecting from the list one of the elements that opens on the right section of the details.

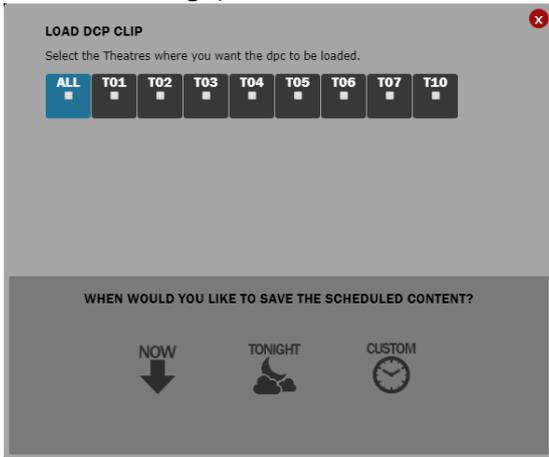
In the Details, you can edit all the information relating to the selected item, such as:

- **Title**
- **Image**
- **Description**
- **Director**
- **Actors**
- **Category**
- **Year**
- **Nationality**
- **Language**

In the header, there are keys to upload or delete the **DCP** and to verify the **KDM** of the selected file.

DCP

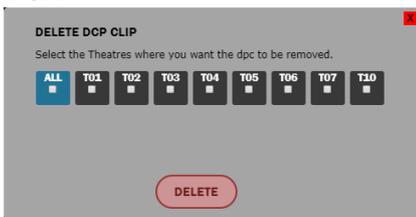
By pressing on **LOAD DCP** it is possible to select toward which the headlamp send the DCP (Digital Cinema Package).



In more, you can choose when to do the upload of DCP:

- **Now:** immediate upload
- **Tonight:** at 01:00 on the following day
- **Custom:** this will open a window where you can enter the time of the upload.

In the same way by clicking on **DELETE DCP** it is possible to select from which the projector delete the DCP.



KDM

The **KDM** button allows you to view the status of the KDM (Key Delivery Message) related to the selected file.

THEATER	UUID	START DATE	END DATE	STATUS
T01	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-11 23:00:00	2018-02-28 02:59:00	COMPLETE
T02	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-11 23:00:00	2018-02-28 02:59:00	COMPLETE
T03	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-11 23:00:00	2018-02-28 02:59:00	COMPLETE
T04	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-11 23:00:00	2018-02-28 02:59:00	COMPLETE
T05	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-11 23:00:00	2018-02-28 02:59:00	COMPLETE
T06	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-11 23:00:00	2018-02-28 02:59:00	COMPLETE
T07	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-11 23:00:00	2018-02-28 02:59:00	COMPLETE
T10	urn:uuid:4b90cde8-19ce-432b-aa7a-30b97317a740	2018-02-25 23:00:00	2018-03-07 02:59:00	COMPLETE

In this window are listed the various KDM loaded on different projectors with the period of validity.

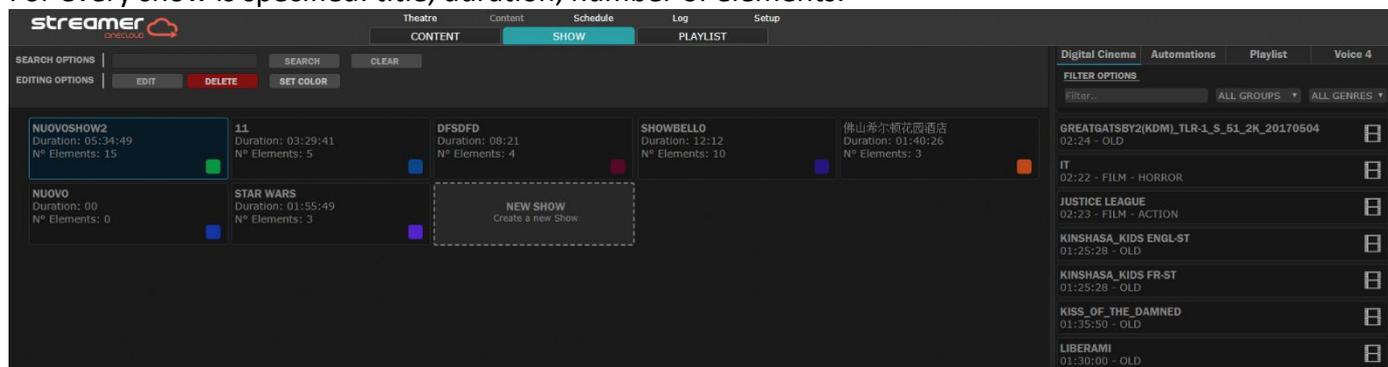
In the "Status" column, is indicated if the Upload is successful or not.

The words "Complete" in **white** indicates that the KDM is loaded correctly but the period of validity has expired, while written in **green** indicates that the period of validity is still active.

## Show

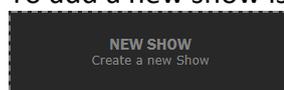
In the tab "Show" are organized all performances created by the user. These elements are those used for scheduling.

For every show is specified: title, duration, number of elements.



You can search for one show through the search box (**Search Option**), or edit **EDIT** or delete **DELETE** the selected show.

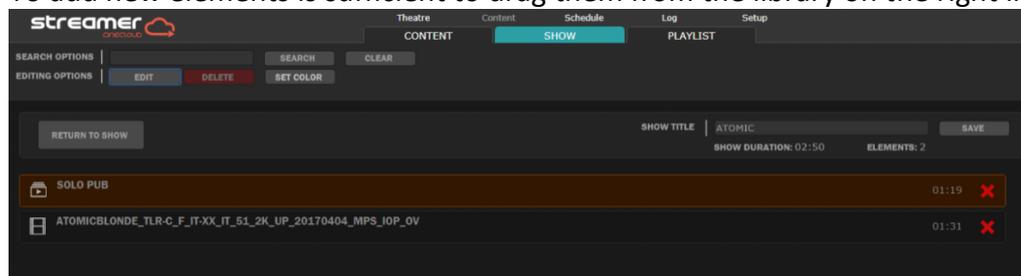
To add a new show is sufficient to click on New Show.



Enter the title of the show in the window that appears and click on "Confirm".



To add new elements is sufficient to drag them from the library on the right inside of the show.



Once you have entered the elements in the list, you can change the order by selecting the item and dragging it to the desired position and it is possible to delete the objects using the red X. **✗**

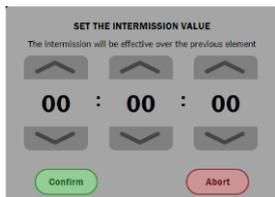
By selecting an item with the right, appears the function menu that allows you to remove the item, duplicate it (adds a copy to the list) or convert the element in intermission.

Through the **SET COLOR** key, you can assign a custom color to easily identify the show within the whole program.



### Intermission

By selecting the intermission function, opens the following window where you enter the waiting time for the execution of the element with respect to the beginning of the previous one.

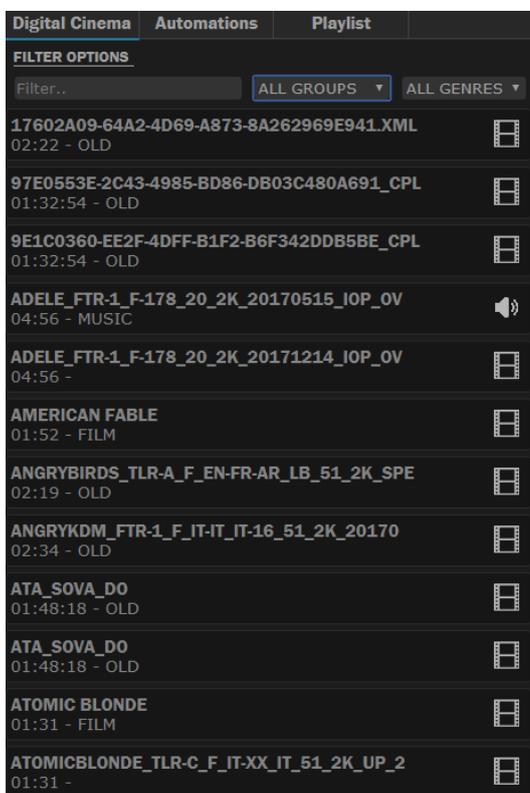


Once confirmed the elements to which is applied the intermission will be displayed with a tab as in the image below.



### Library

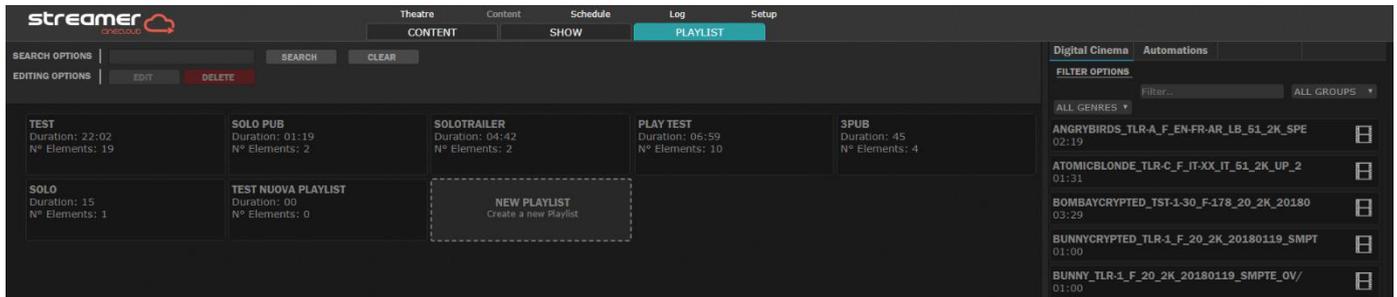
In the right part of the window is visible the library from which to select the items. The different types of elements are divided into tab "Digital Cinema", "Automations" and "playlist". It refer to all elements inserted in the archive by **Philo Media Manager**.



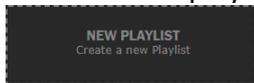
For speeding up the search you can filter the titles of elements through the search box, and the tab "Digital Cinema" you can also filter items to groups and genres.

## The Playlist

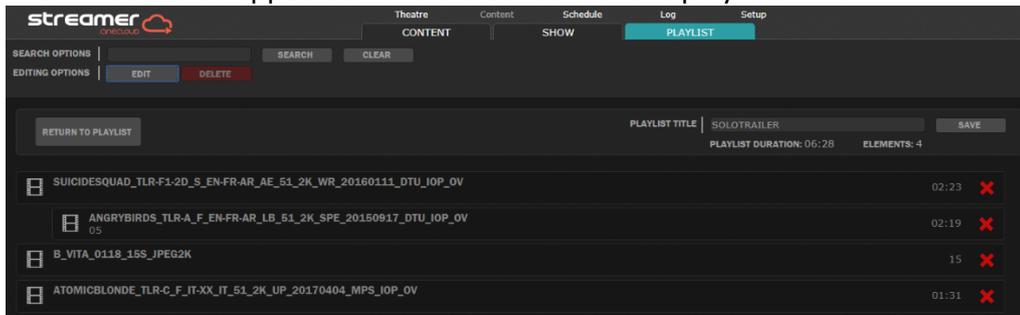
In the "Playlist" tab, organizes all playlists created by the user. For each playlist is specified: title, duration, number of elements.



You can search for a specific playlist using the search box, or edit or delete the selected playlist. To add a new playlist is sufficient to click on New Playlist.



The window that appears shows the content of the playlists.



Type the title in the box "playlist title" and click "Save".

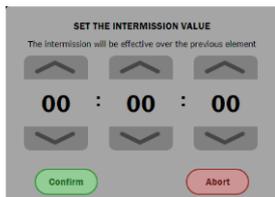
To add new elements is sufficient to drag them from the library on the right inside of the playlist.

Once you have entered the elements in the list, you can change the order by selecting the item and dragging it to the desired position and it is possible to delete the objects using the red X. 

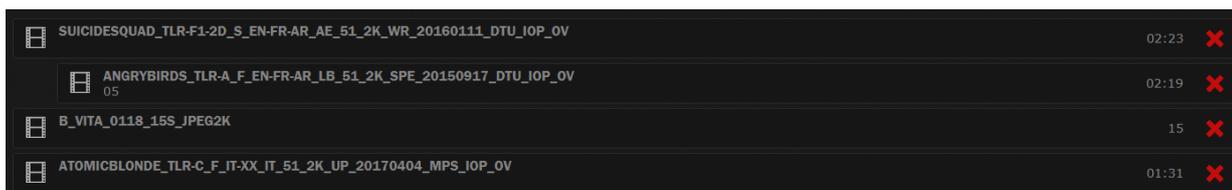
By selecting an item with the right, appears the function menu that allows you to remove the item, duplicate it (adds a copy to the list) or convert the element in intermission.

### Intermission

By selecting the intermission function, opens the following window where you enter the waiting time for the execution of the element with respect to the beginning of the previous one.

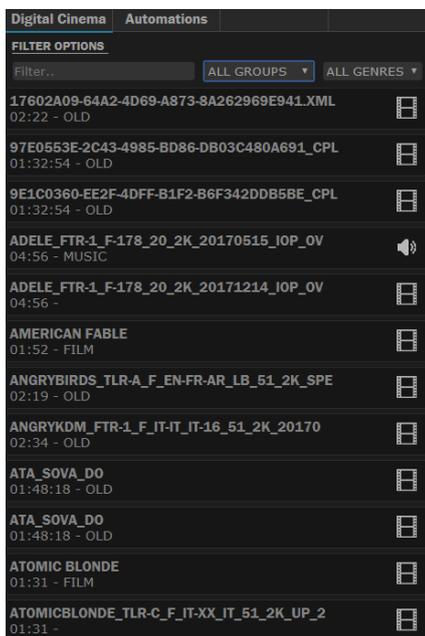


Once confirmed the elements to which is applied the intermission will be displayed with a tab as in the image below.



### Library

In the right part of the window is visible the library from which to select the elements to be included in the playlist. The different types of elements are divided into the tab "Digital Cinema" and "Automations". It refer to all elements inserted in the archive by Philo Media Manager.



For speeding up the research, you can filter the titles of elements through the search box, and the tab "Digital Cinema" you can also filter items to "group".

This screen lists the DCP (Digital Cinema Package) loaded into different projectors.

Through the search box it is possible to carry out specific research in relation to the title or filter the results according to the desired theater.

TITLE	DATE FROM	INGESTED	PROGRESS	ERROR	TO DELETE	THEATER	UUID	DURATION	QUEUED
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T01	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T03	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T05	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T07	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T02	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T04	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T06	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9
BARCO-STINGER-4K_ADV_F_XX-EN_BE_5_1_4K_HOA_20101006_ACE	2018-02-15 14:33:41	1	COMPLETE	0	0	T10	URN:UUID:0C9BA1EF-0AB5-2126-C59C-4D0182CA8EC	22	9

In detail are indicated:

- **Title:** Name of the DCP
- **Dates from:** Date of Insertion
- **Ingested:** Indicates whether the file is loaded (1) or less (0)
- **Progress:** status of the upload (Loaded, Complete)
- **Error:** Indicates whether there are problems uploading (responds with HTML error codes)
- **To Delete:** indicates if the DCP is to delete (1) or less (0)
- **Theater:** Name of the theater in which the DCP is loaded
- **UUID:** DCP ID
- **Duration:** DCP Duration
- **Queued:** Indicates whether the DCP is queued for loading or less (9, 0)

In this section are listed the KDM (Key Delivery Message) entered in the system.

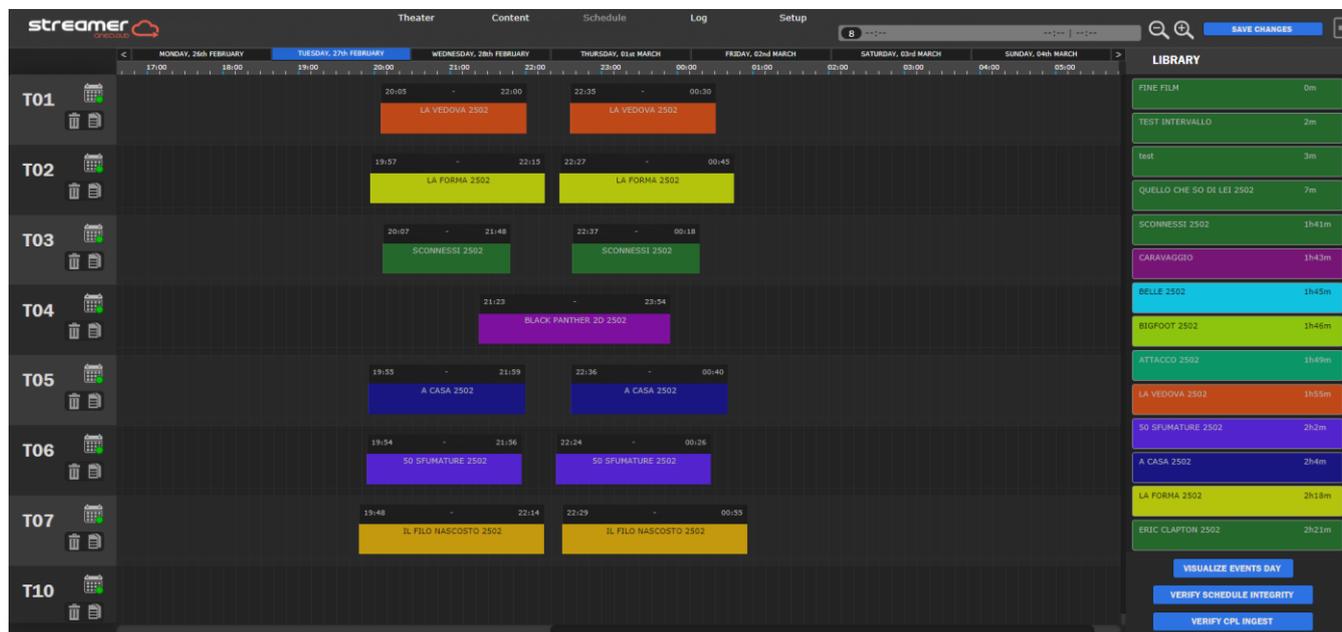
Through the search box, it is possible to carry out specific research in relation to the title or filter the results according to the desired theater.

TITLE	THEATER	START DATE	END DATE	UUID	DURATION	STATUS
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_51-DBOX_2K_DI_20180202_DTM_IOP_OV	T05	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:853DE27B-EC20-4C4F-8EB8-82725356EBDD	02:14:34	COMPLETE
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_51-DBOX_2K_DI_20180202_DTM_IOP_OV	T06	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:853DE27B-EC20-4C4F-8EB8-82725356EBDD	02:14:34	COMPLETE
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_51-DBOX_2K_DI_20180202_DTM_IOP_OV	T04	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:853DE27B-EC20-4C4F-8EB8-82725356EBDD	02:14:34	COMPLETE
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_51-DBOX_2K_DI_20180202_DTM_IOP_OV	T03	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:853DE27B-EC20-4C4F-8EB8-82725356EBDD	02:14:34	COMPLETE
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_51-DBOX_2K_DI_20180202_DTM_IOP_OV	T02	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:853DE27B-EC20-4C4F-8EB8-82725356EBDD	02:14:34	COMPLETE
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_51-DBOX_2K_DI_20180202_DTM_IOP_OV	T01	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:853DE27B-EC20-4C4F-8EB8-82725356EBDD	02:14:34	COMPLETE
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_51-DBOX_2K_DI_20180202_DTM_IOP_OV	T07	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:853DE27B-EC20-4C4F-8EB8-82725356EBDD	02:14:34	COMPLETE
BLACKPANTHER_FTR-11-2D_S_IT-XX_IT_71-DBOX_2K_DI_20180202_DTM_IOP_VF	T05	2018-02-11 23:00:00	2018-02-28 02:59:00	URN:UUID:4B90CDE8-19CE-432B-AA7A-30B97317A740	02:14:34	COMPLETE

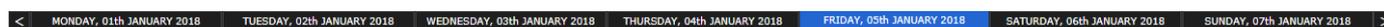
- **Title:** Name of the KDM
- **Theater:** Name of the projector or of the room in which you loaded the KDM
- **Start/End Date:** Date of beginning and end of the validity of the KDM
- **UUID:** KDM ID
- **Duration:** KDM Duration
- **Status:** Status of the KDM "Complete" (if written in white on the period of validity has expired, if written in green is still in progress)

# Schedule

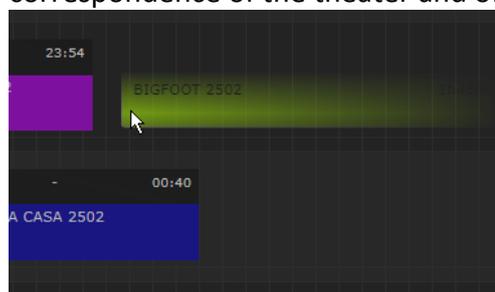
In this section, it is possible to program the execution of the show created for all the theaters in the cinema.



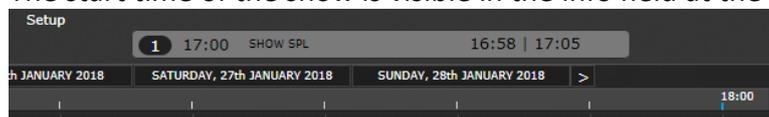
You can navigate between different days thanks to the timeline by selecting the desired day.



To enter the show, select them from the library on the right and drag them to the timeline in correspondence of the theater and of the desired time.

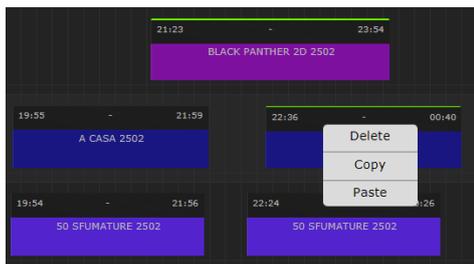


The start time of the show is visible in the info field at the top right.



You can change the time of execution of the show or move the show from one theater to another by dragging them at the desired time.

By right click on a show within the timeline, is possible to: delete, copy or paste in correspondence with the position of the mouse cursor. By selecting multiple show at the same time, it is possible to perform a multiple copy. The files so copied will be pasted consecutively with one another.

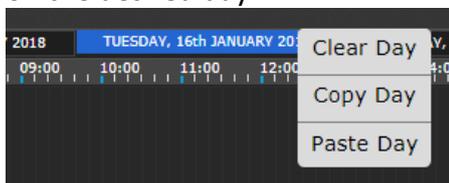


You can copy or delete the entire programming of a theater using the keys copy or delete.



The programming of the theater can be pasted into the programming of another one even on different days.

In the same way it is possible to manage the programming of an entire day for all the salt, by right clicking on the desired day.



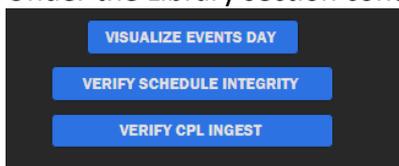
This opens the menu from which you can choose:

- **Clear Day:** Delete the programming of all the theaters for the entire day
- **Copy Day:** Copy the programming of all the theaters for the entire day
- **Pastes Day:** Paste programming copied in all the theaters for the entire day selected, replacing any programmings already inserted.

To save and make changes to the scheduling press SAVE CHANGES in this way will be automatically loaded the DCP necessary to the projectors and match the relative KDM.

## Status

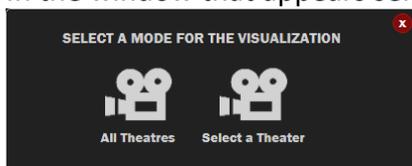
Under the Library section contains the following keys:



### Visualize Event Day

By clicking on **VISUALIZE EVENTS DAY** you can view the list of the events for the selected day with respect to the theater indicated.

In the window that appears select the option you want.



In the event of a display of events for a single theater select the desired theater.



In the new tab that will open will be listed the ladder of all events in the theater indicated.

**EVENTS OF THE DAY 27-02-2018**

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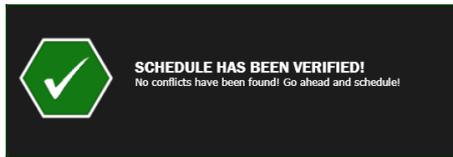
**THEATRE 4**

[21:23 - 23:54]  
**BLACK PANTHER 2D 2502**  
Duration: 02:31:44

[21:23:00 - 23:54:34] BLACK PANTHER 2D 2502	02:31:34
[21:23:00 - 21:23:00] LAMP_ON	
[21:23:00 - 21:23:05] Black (5 seconds) 185 JPEG	05
[21:23:05 - 21:23:10] Black (5 seconds) 185 JPEG	05
[21:23:10 - 21:23:10] DSL ON	Int: 01
[21:23:10 - 21:23:10] AUDIO DIGITAL 1	Int: 03
[21:23:10 - 21:23:10] FLAT	Int: 04
[21:23:10 - 21:23:15] Black (5 seconds) 185 JPEG	05
[21:23:15 - 21:23:15] LIGHT 50%	Int: 01
[21:23:15 - 21:23:15] DOWSER ON	Int: 02
[21:23:15 - 21:23:15] AUDIO 35	Int: 03
[21:23:15 - 21:23:45] 0005_NTW-Nepo30_ADV_F_IT-XX_IT_S1_2K_SL_20182005_PZA_IOP_OV	30
[21:23:45 - 21:23:45] AUDIO 40	Int: 29
[21:23:45 - 21:23:50] RP-237-sigla_rai_pubblicita	05
[21:23:50 - 21:24:32] RP-2705-E_arrivata_la_felicita_ogni_martedi	42
[21:24:32 - 21:25:03] RP-2390-Pannitteri_Arancia_rossa_30	30

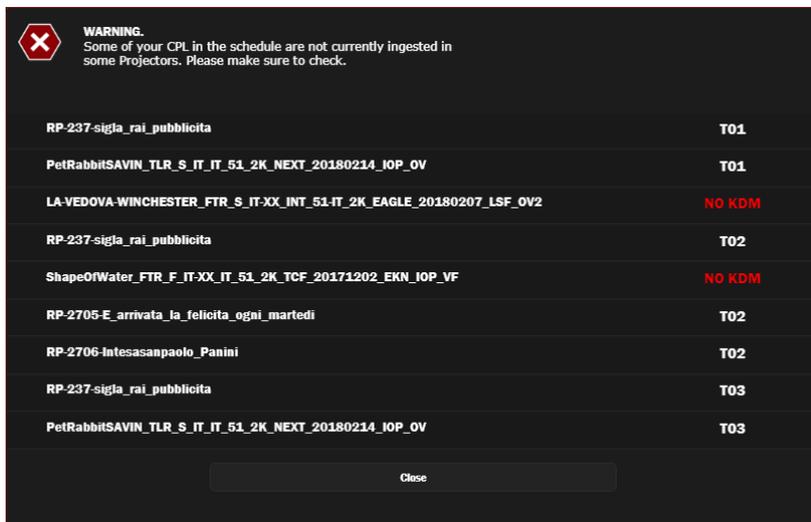
### Verify Schedule Integrity

By clicking on **VERIFY SCHEDULE INTEGRITY** the program checks for errors within the scheduling system. At the end of the check in the event of correctness the following screen will appear:



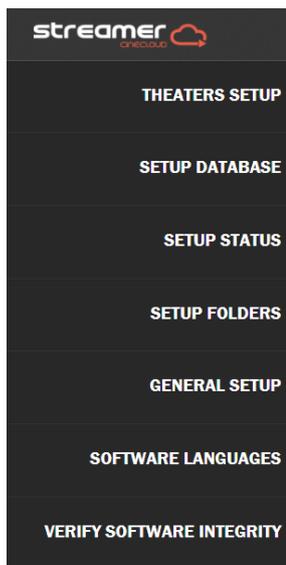
### Verify CPL Ingest

By clicking on **VERIFY CPL INGEST** the system checks that all the elements present in the show scheduled are loaded correctly in the projectors. In the event of error appears the list of errors that indicate which CPL has not yet been loaded from the projectors where have been programed and, in case, if there are not present the KDM.



# Setup

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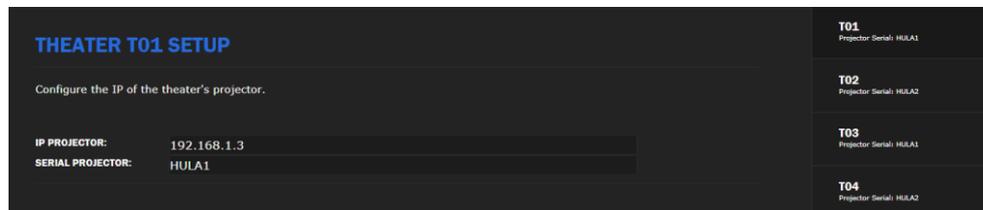
The last item in the main menu is the setup of the whole Steamer Cinecloud system.

- **Theaters Setup:** Projectors settings
- **Setup Database:** Database settings
- **The Setup Status:** Status systems setup
- **Setup Folders:** Shared folder and replacements of paths setting
- **General Setup:** General settings
- **Software Languages:** Language setting
- **Verify Software Integrity:** software integrity check

## Theaters setup

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In this section, you can set different projectors.  
Select the projector from the list on the left to make the changes.

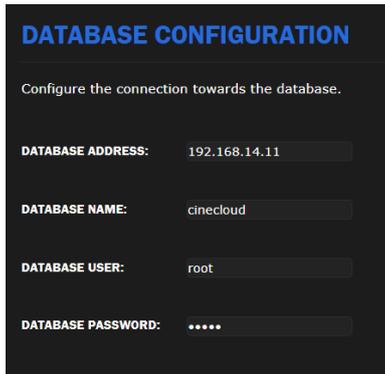


- **IP Projector:** Projector IP address
- **Serial Projector**

## Database Setup

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Database configuration window.



**DATABASE CONFIGURATION**

Configure the connection towards the database.

DATABASE ADDRESS: 192.168.14.11

DATABASE NAME: cinecloud

DATABASE USER: root

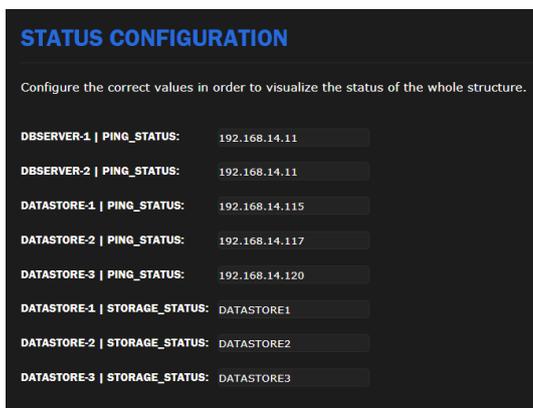
DATABASE PASSWORD: .....

- **Database Address:** IP address of the Database
- **Database Name:** The name of the Database schema
- **Database User:** user name to access the Database
- **Database Password:** The password for access to the Databas

## The Setup Status

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Configuration of addresses for the verification of the state of the entire structure.



**STATUS CONFIGURATION**

Configure the correct values in order to visualize the status of the whole structure.

DBSERVER-1 | PING\_STATUS: 192.168.14.11

DBSERVER-2 | PING\_STATUS: 192.168.14.11

DATASTORE-1 | PING\_STATUS: 192.168.14.115

DATASTORE-2 | PING\_STATUS: 192.168.14.117

DATASTORE-3 | PING\_STATUS: 192.168.14.120

DATASTORE-1 | STORAGE\_STATUS: DATASTORE1

DATASTORE-2 | STORAGE\_STATUS: DATASTORE2

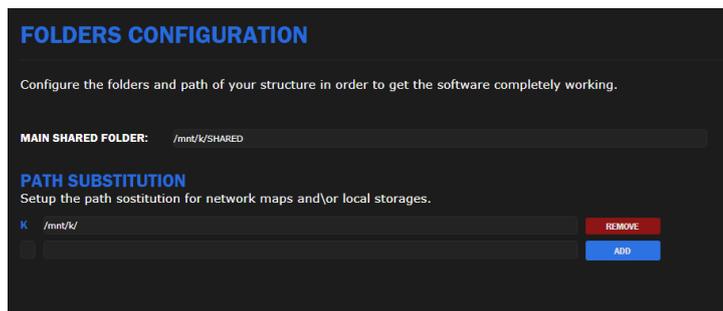
DATASTORE-3 | STORAGE\_STATUS: DATASTORE3

- **Db Server 1/2:** IP address of the Database Server
- **Date Store 1/2/3:** The IP address of the Datastore
- **Date Store 1/2/3 | Storage Status:** Name of the Datastore

## Setup Folders

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Shared Folder and paths substitutions configuration.

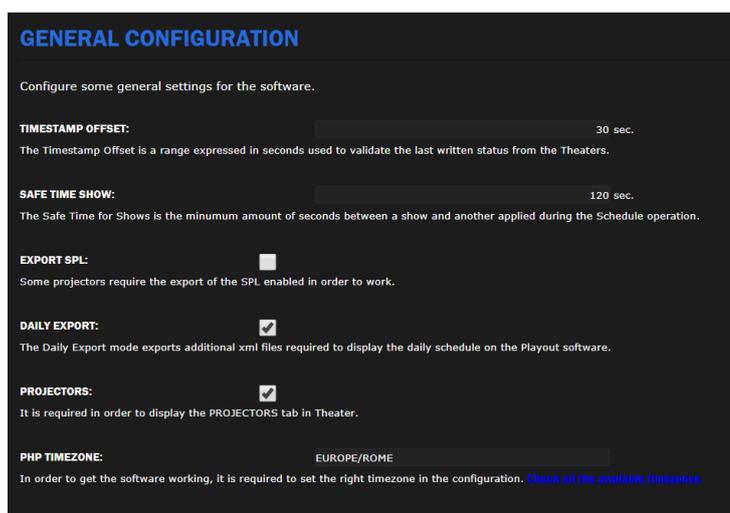


- **Main Shared Folder:** The shared folder path
- **Substitution Path:** Click on Add to add a new mapping (es: K:\), and indicate the path to replace.

## General Setup

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General configuration of the software.



- **Timestamp Offset:** Value in seconds of delay with which make changes to projectors.
- **Safe Time Show:** Minimum time between the show in the scheduling
- **Export SPL:** Enable the export of SPL (Show Playlists), export previously playlists for the projectors.
- **Daily Export:** Enable the export of daily scheduling for display it in the playout.
- **Projectors:** Enables viewing of the card Projector in Theater section.
- **PHP Timezone:** Timezone Setting

### Configuration of the system language

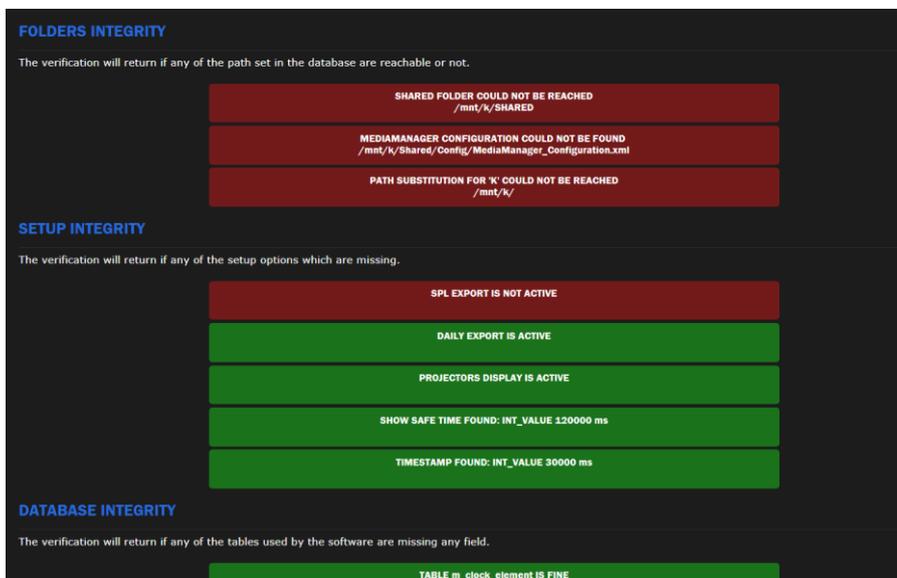


Select the flag of the language.

### Verify Software Integrity

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In this window, it is possible to verify the correct operation of the whole software.



- **Folder Integrity:** Verifies the existence of the shared folder and the existence of the configuration file for the media manager.
- **Setup Integrity:** Displays the settings enabled and configured in the General Setup
- **Database integrity:** Verifies the integrity and the correct operation of the database tables.