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Quick Start Guide

Preamble instructions

This quick start guide will get media playing on a playout box managed by a OBServer.

Prerequisites

Updated OBServer and OBPlayer that can see each other on same machine or on network.

Server

Upload Media

1. On the bottom Navigation Bar is a `Media>New Media` .
2. Select the file you want to upload.
3. Fill in mandatory info for Artist and Title.
4. Save
5. You'll see the media you just added appear in the `Media Sidebar`

Create Default Playlist

If a Player cannot locate a schedule of media to be played, it will play the Default Playlist (DPL) in a loop to avoid dead air. Server will sync DPL with remote Player and play the contents of DPL.

Use `Playlist` menu to create a new playlist:

1. Select `Playlist>New`
2. Provide a `Name` and `Description` for the (DPL).
3. From the media sidebar tab, click hold to **drag and drop** selections to the DPL. As items are added to the list of Playlist Items, the `Total Duration` for all items on the Playlist is updated. Add items to the Playlist until the desired duration is achieved. See **Server Documentation (/server/#playlist)** for more details on creating Playlists.
4. Status select visible. This allows users to see your show, but not change it. Private makes your show invisible to others. Public shares media through public API (if enabled)
5. Save Data.

Create The Player

Provisioning Player

Using the `admin` menu to access the `player manager` options:

1. Expand existing Player Settings for a defined **Player**, or create a `New Player`.
2. Provide a `Name` and `Description` for the **Player**.
3. Enter the password that will be required for the **Player** to establish a sync connection to the **Server**.
4. Leave IP blank.
5. Set the media types that will be available for the **Player**. Ensure the **Player** is configured properly to handle the assigned media types.
6. Set the `Timezone` that will be used for scheduling shows.
7. Drag the **Playlist** created in the previous step (DPL) from the Playlist sidebar tab to the **Default Playlist** drop zone (the area highlighted during the drag operation).
8. Save the Player.

When newly player is created, it will be assigned a unique `Device-ID` and show up in `Schedule`

Player

Provision The Player

Access the **Player Dashboard** and go to the `Sync Media` page to enter

`Device ID` generated in `Player Manager`

`Password` with the password you enter in server

`Sync URL`

```
https://<IP_of_Server>/remote.php
```

For initial testing set `Media Sync Mode` to `Remote`

Sync the Player to Server

Start up Messages

Restart player with `Admin>Delete DB` and restart `Forces schedule and media sync refresh` and take you back to main `Status` page.

Observe sync connection messages. If no Red Errors then player is provisioned and is now run from server. You will see media being downloaded.

Once media is finished downloading, it will begin playing.

You will be able to hear audio coming out of Pulse Audio (used as default)

Advanced

Search Media

Your media is now in the database and can be searched

All searches are based on the parameters you include when you upload your tracks. Please be accurate as possible entering Metadata when uploading tracks.

Under the media tab you will find

- `Simple` Quick search. Start typing and search results will appear.
- `Advanced` Apply filters for: Artist, Title, Genre, Comments, Duration (in seconds).

Check out the drop down menus for all the options.

Click the Add button to apply the filter.

To get out of Advanced search click the Simple link.

Too many filters may not give you a result

Schedule a Show

Once the Player is provisioned and playing the DPL, go into Server and schedule a `Playlist` and `Media`

1. Open `Schedule` on the bottom navigation bar on server
2. Locate `Playlist` from sidebar and drag it into the schedule.
3. Select the date and times they are assigned and the show is set into the schedule.
4. Save

Media items and schedule information will automatically sync from server to player.

Initial `show lock-in time` will require at least 20 minutes of lead time before playout of a scheduled or default playlist, thus ensuring all required media are downloaded before a show begins.

For more details, go to **Trouble Shooting** (<http://support.openbroadcaster.com/Troubleshooting>)

Feedback

Find a **OBPlayer** (<https://github.com/openbroadcaster/obplayer/issues/new>) or **OBServer** (<https://github.com/openbroadcaster/observer/issues/new>) Bug? Have a **OBPlayer** (<https://github.com/openbroadcaster/obplayer/issues/new>) or **OBServer** (<https://github.com/openbroadcaster/observer/issues/new>) feature request ?

We really appreciate your feedback!

Open Server Bugs

No open issues

Open Player Bugs

16 - LA with Line In not switching to Fall Back Media

Made by OpenBroadcaster.

With ♥ from Friends of Cake



OpenBroadcaster

Media Server

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Getting Around

The main screen comprises three areas: a center 'work' area, media sidebar, and a menu panel.

The screenshot displays a radio management interface. The main area is titled 'Schedule Shows' and shows a grid for the station 'CFET 106.7 FM' from February 5, 2012, to February 11, 2012. The grid lists shows like 'Beates for Breakfast', 'Island Morning Reggae', and 'World Beat Round'. On the right, a 'media' sidebar shows a search for 'my • AP un ar' and a playlist of tracks including 'Roux partout', 'The Way You Dream', and 'Supernaut'. The bottom navigation bar includes 'account', 'media', 'playlists', 'schedules', and 'admin', with the user logged in as 'radiorob'.

The **centre work area** is the main window workspace. This is where users can create play lists, add and edit media, schedule shows, update system settings, install modules and manage users. In the example above, a *Schedule* is loaded into the main window workspace.

To the right of the center 'work' area is the **sidebar**, comprising two tabs, `Media` and `Playlists`, as well as a `Preview` window. Users can toggle between tabs and perform dynamic searches to filter a list of items based on a metadata query. One or more items from the list may be selected. Actions triggered by clicking on buttons below the list operate on selected items. Additional functions are available by right clicking on items in the list. To preview items (any supported media including audio, image or video), simply drag and drop any media into the `Preview` window above the sidebar tabs. At the bottom of the sidebar, the number of items in the (filtered) list is shown.

Along the bottom of the screen is the **menu panel**. Depending on user permissions some menus will remain hidden.

Profile and Account

Account Settings

Edit the following account settings as needed. Only enter a password if you wish to change your password.

— Account —

Username: radiorob

Name:

Display Name:

New Password:

New Password (again):

Email:

— User Interface —

Search Results Per Load:

Language:

Theme:

Dyslexia-Friendly Font:

Sidebar Display:

Login to the [OpenBroadcaster Server] application as the `admin` user (default password is 'admin')

Here you are able to custom tailor your session. Using the `account` menu to access the `admin` account settings. Some of the things you can change on a per user basis.

1. Change your display name
2. Update password
3. Set `Email`
4. Set the number of search results to display in media sidebar
5. Select a `Theme`
6. Enable Dyslexic Font making it easier to read and comprehend for some users

7. Sidebar Display to appear from Left or Right

Language

User menus, form fields and system messages are displayed in English by default. Available language options are displayed in a dropdown menu. These settings are **not** system-wide. Each user may choose their own language settings. Select the desired language of menus, help and tool tips.

Save and refresh browser.

Accessibly Themes

Background/foreground color and font options are designed to enhance accessibility of the interface using bright/dark contrast settings or using dyslexia friendly fonts. These settings are **not** system-wide. Each user may choose their own theme and font settings.

Select desired `Themes` ranging from high contrast, light\dark backgrounds. Tanzanite is the Default theme.

Save and refresh refresh your browser to take effect.

Media

OpenBroadcaster allows media of different types (audio, video, images) to be managed within a single catalogue or media library. Using radio buttons admins can select which formats the system will accept and recognize. If media is tried to be uploaded that isn't supported, then it will not be allowed to be added to the library. Files are screened a number of ways for authenticity including MD5 checksum. Renaming a text file to *.mp3 will not be accepted.

The `MY` button when selected filters to only show media created and uploaded by user.

Formats

Compatible media codecs and containers are listed below:

Format	Description	File extension
Audio Formats		
FLAC	Free lossless audio codec	.flac
MP3	MPEG-1 Layer-3 Audio ☀	.mp3
MP4	MPEG-4 Audio ☀	.mp4
Ogg Vorbis	Ogg Container Format	.ogg

Format	Description	File extension
WAV	Waveform Audio	.wav
Video Formats		
AVI	Audio Video Interleave, Container Format	.avi
MOV	Apple Quicktime ☼	.mov
MPEG	Moving Picture Experts Group ☼	.mpg
Ogg Video	Ogg Container Format	.ogv
WMV	Windows Media Video ☼	.wmv
Image Formats		
JPEG	Joint Photographic Experts Group	.jpg
PNG	Portable Network Graphics	.png
SVG	Scalable Vector Graphics	.svg

☼ Non-Free Proprietary - Licence Required

The System Administrator may choose to restrict uploads to a subset of the compatible formats.

See **Advanced Admin**.

Metadata

Upload Media

Upload one or more files by clicking the 'Upload Files' button.

Upload a file

Save Data

01 - Electric Light Orchestra - Secret Messages.mp3 collapse cancel

Use ID3 Data

Artist:	Electric Light Orchestra	Copy to All
Title:	Secret Messages	Copy to All
Album / Series:	Secret Messages	Copy to All
Year:	1983	Copy to All
Category:	Music	Copy to All
Country:	United Kingdom	Copy to All
Language:	English	Copy to All
Genre:	Classic Rock	Copy to All
Are you the copyright owner?:	No	Copy to All
Is media approved?:	Yes	Copy to All
Status:	Private (available to you only)	Copy to All
Include in Dynamic Selections?:	Yes	Copy to All

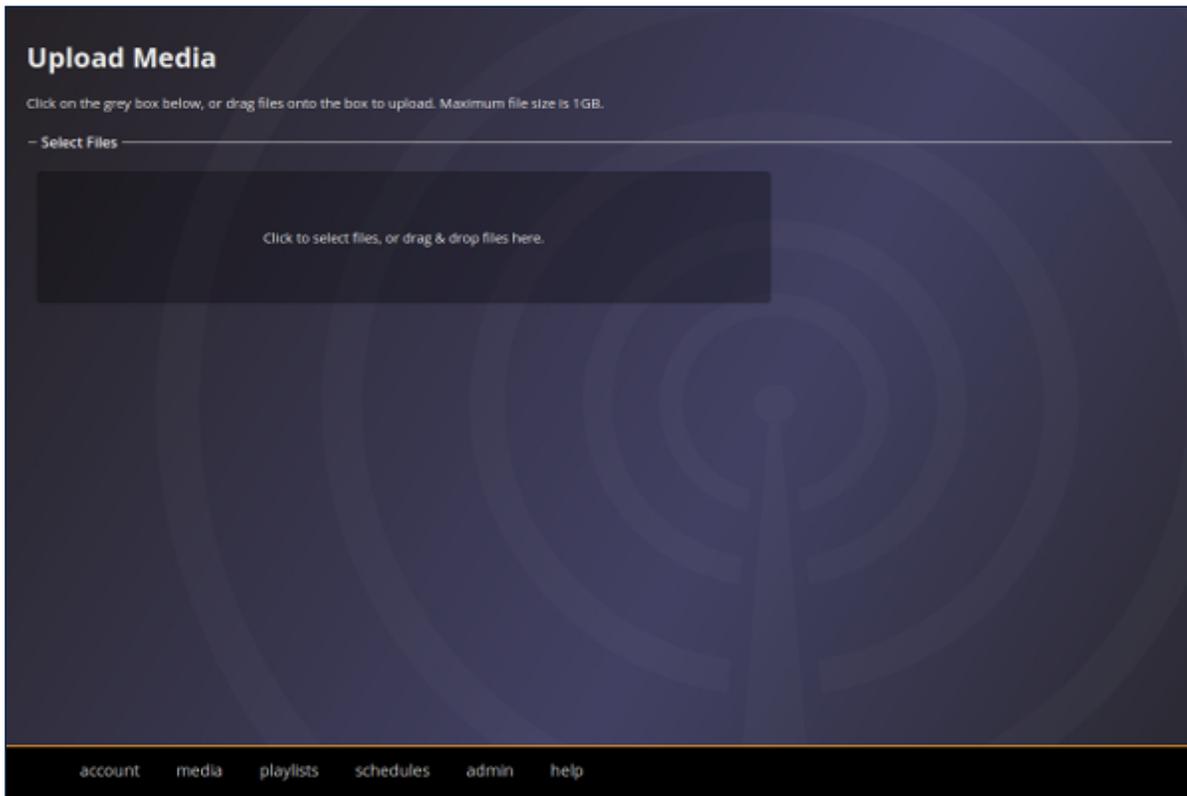
Save Data

If available, ID3 data are automatically entered into the upload form, otherwise, enter the **Artist**, **Title**, along with other known metadata for each file. For metadata common to all items, the **Copy to All** button may be used to facilitate data entry. Use the **Category** item to facilitate use of Station ID or Priority Broadcasts messages in **Playlists**.

Depending on permissions, user may or may not be able to set the *is media approved* flag. If not then the media will remain in an 'awaiting approval' queue until the Moderator approves it for inclusion in the music library. A *Status* of 'Public' will allow others to include the selection in their own Playlists. Private media will not be available for other users to browse. *Dynamic Selection* should be enabled for media such as music and station IDs, so that these items are accessible as Dynamic Playlist selections.

Once metadata have been entered, **Save** the items in the queue to add them the library. Incompatible file formats are flagged, and will not be processed in the upload queue.

Uploading



New Media may be added to the library using the media uploader, accessed from the **media** menu.

Drag and drop one or more media files to the uploader, or click within the shaded box to open a file selection window. Each file is uploaded in sequence, and added to a queue. Progress of the current upload is displayed alongside the filename.

Pro Tip Max Limit set to 1GB

Edit and Update

Select media from sidebar. Either click `Edit` or right click `Edit` Media info may be edited.

Bulk Edit

Batch Processing

1. Selecting multiple Media items (CTRL + Click, Click + Shift) and Click
2. Click `Edit` from media sidebar. Opens all selected media.
3. Use `Copy All` icon beside the field you wish to copy to all.

Media Settings

Categories and Genres

Media Categories & Genres

Click on a category name to show the genres within that category.

[Add a Category](#) [Add a Genre](#)

Change Me		Edit
Images		Edit
Music		Edit
Acoustic	Acoustic	
Adult Contemporary	Easy listening	
Alternative	Alternative	
Alternative Country	Alternative Country	
Alternative Folk	Energetic folk with an edge	
Alternative Rock	Alternative Rock	
Ambient	Ambient and Soft Electronic	
Asian-Pop	Asian Pop	
Bluegrass	American roots music	Edit
Blues	Blues Music	Edit
Buddha Bar	Buddha-Bar	Edit
Canadien Francais	Canadien Francais	Edit
Celtic	Celtic and Irish	Edit

- Edit Genre

Name:

Description:

Category:

[Save](#)

[Delete](#)

[Cancel](#)

Create and edit unlimited categories and associated genres of media. e.g. Audio-Inuktitut, Images-Unicorns, Video-28mmPathe

Each Category and Genre can be specified as default

View Details

Media Details

[Download](#) [Edit](#) [Delete](#) [Versions](#)

- Details

ID: 123945
Artist: Radio Ecoshock
Title: The Third Rail: Radical Climate Change During It All June 10, 2020
Album:
Year: 2020
Category: Shows - Complete
Country: Canada
Language: English
Genre: Complete Shows
Comments:
Uploader: Bill Polonsky
Created: 2020-06-14 10:39:53
Last Updated: 2020-06-14 10:39:53
Copyright: No
Approval: Approved
Status: Public
Dynamic Selections: Yes

- Where is this media used?

- playlist: [What on Earth is Going on?](#)
- *dynamic playlist: [Metallica](#)
- *dynamic playlist: [The Dollar Bin](#)
- *dynamic playlist: [CFET\CJHJ DPL](#)

* Indicates possible dynamic selection.

From the `Media Sidebar` , highlight, right click and select `Details` to find out where the PL is used, who created it and when it was last modified.

Displays info This is where the

- Who uploaded and when
- `Media ID` can be found including usage of media
- Where it is being used

Language and Country

Use drop down menus to select applicable `Language` and `Country`

Media Field Settings

Media Field Settings

Artist: Required Enabled Disabled

Album: Required Enabled Disabled

Year: Required Enabled Disabled

Category/Genre: Required Enabled Disabled

Country: Required Enabled Disabled

Language: Required Enabled Disabled

Comments: Required Enabled Disabled

Dynamic Selections: Yes (Default) No (Default) Hidden

Save

Default Settings and mandatory fields can be applied globally

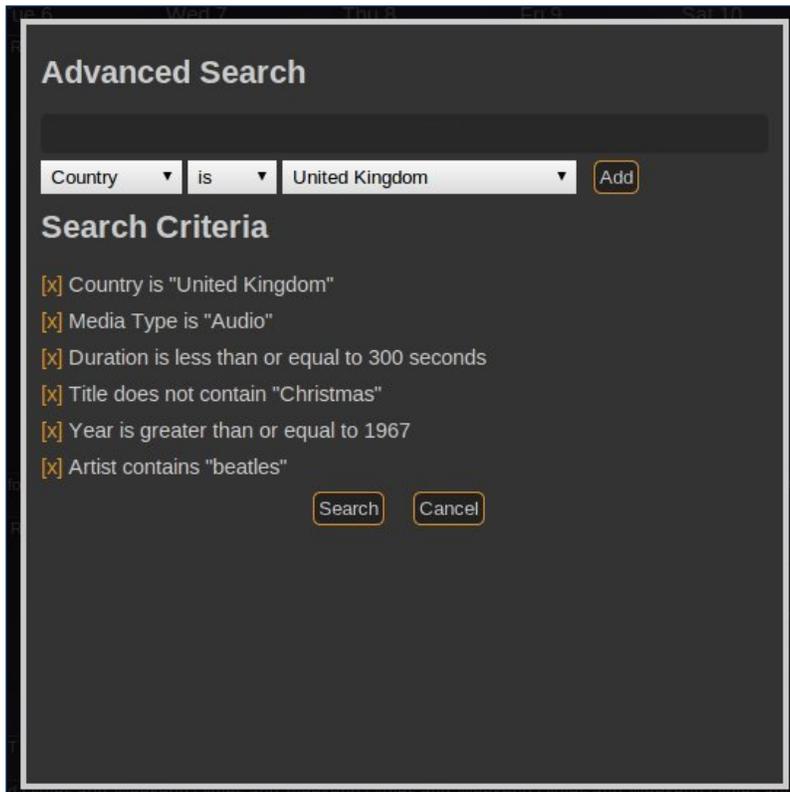
Search

Sidebar tabs used to search the media library or Playlist catalogue. Items are filtered to displayed only items to which the current user has permission, those which are marked as approved(`ap`), or further restricted to include only those media owned(`my`) by that user. With additional privileges, searches may also be conducted on archived(`ar`) or unapproved(`un`) media. Deleted media

items go into a special directory called Archive. Authorized users are able to go into this archive, purge delete the actual media from the file system, or restore the media back to the library. The active filter is indicated by the use of uppercase notation (e.g. AP).

Simple search mode, users enter terms (i.e. a word or phrase) in the query window, application returns all media with title or artist containing those terms, or PlayLists with matching name/description. Click simple to clear or clear test and press enter

Advanced Searches



The screenshot shows an "Advanced Search" window with a dark background. At the top, there is a header "Advanced Search". Below it, a search bar contains three dropdown menus: "Country" (selected "United Kingdom"), "is", and "United Kingdom". An "Add" button is to the right. Below the search bar is a section titled "Search Criteria" with a list of criteria, each with a checked checkbox and a small 'x' icon:

- Country is "United Kingdom"
- Media Type is "Audio"
- Duration is less than or equal to 300 seconds
- Title does not contain "Christmas"
- Year is greater than or equal to 1967
- Artist contains "beatles"

At the bottom of the criteria list are two buttons: "Search" and "Cancel".

Advanced search mode, users combine search criteria to query and filter large libraries. Query fields and search terms may be specified and added to a list of search criteria.

media
playlists

my • AP un ar

[advanced search](#) • [previous](#) • [next](#)

Artist	Album/Series	Title	Year	Category	Genre	Country	Language	Time
The Beatles	Anthology 1	"Brian was a beautiful guy" (Lennon spoken)	1995	Other	Other	United Kingdom	English	00:11
The Beatles	White Album Sessions, Volume 1	(demo) The Continuing Story of Bungalow Bill	1968	Music	Rock	United Kingdom	English	02:44
The Beatles Live at the BBC	Live at the BBC (Disc 2)	1822! (Speech)	1994	Music	Classic Rock	United Kingdom	English	00:11
The Beatles	Anthology 3 (Disc 1)	A Beginning	1996	Music	Classic Rock	United Kingdom	English	00:51
The Beatles	Anthology 3 (disc 1)	A Beginning (Anthology)	1996	Music	Rock	United Kingdom	English	00:51
The Beatles Live at the BBC	Live at the BBC (Disc 2)	A Hard Day s Night	1994	Music	Classic Rock	United Kingdom	English	02:25
The Beatles	Let It Be Naked	Across the Universe	1970	Music	Rock	United Kingdom	English	03:38
The Beatles Live at the BBC	Live at the BBC Disc 2	All My Loving	1994	Music	Classic Rock	United Kingdom	English	02:05
The Beatles	Anthology 1 Disc 2	All My Loving (live Ed Sullivan 64)	1995	Music	Classic Rock	United Kingdom	English	02:20
The Beatles	Anthology 1	And I Love Her (take 2)	1995	Music	Rock	United Kingdom	English	01:53
The Beatles	Past Masters - Volume One	Bad Boy	1988	Music	Classic Rock	United Kingdom	English	02:21
The Beatles	Anthology 3 (CD2)	Because (Anthology 3)	1996	Music	Rock	United Kingdom	Afrikaans	02:24
The Beatles	Anthology 1	besame mucho	1995	Music	Rock	United Kingdom	English	02:38
The Beatles	Anthology 3 (Disc 1)	Blackbird	1996	Music	Classic Rock	United Kingdom	English	02:19
The Beatles	Anthology 1 (Disc 2)	Can t Buy Me Love (Take 2) Anthology	1995	Music	Rock	United Kingdom	English	02:11

135 media items found.

[less >](#) Drag to playlist for dynamic selection.

New Edit Delete

Once a search is conducted, items matching all listed criteria will be returned and the number of results is displayed at the bottom of the search tab. Further sorting or returns can be done by clicking on the headers of columns on the list to display in "Ascending\Descending" order. To clear the search results, clear the search window and press enter. Use the previous and next buttons to display the next page of results. The number of results to display per page may be set in the user profile settings. Select and reload previous search results using `my searches`.

Saved Searches

— Playlist Items

Drag media and playlists to the area below. Double-click items to set properties. Click to select, then delete/backspace to remove, up/down keys to move. You can also click-drag to reorder.

Robert Vallee - Killing Time	05:18
Robert Vallee - Thanatos	04:34
Robert Vallee - The Lord Is Watching	04:50
Robert Vallee - Dionysus	05:02
Robert Vallee - Levitation	05:22
Robert Vallee - Apollo	05:35
Robert Vallee - Soul Gravity	05:35
Robert Vallee - The Core	04:44
Robert Vallee - Sequence Activated	05:37
Robert Vallee - Motion and Madness	05:43

Total Duration: 52:20

A basic Playlist that you can add media ,dynamic segments and station IDs Playlist(s) may be searched, saved and edited later.

Advanced Playlist

Name:

Description:

Status:

Type:

— Playlist Items

Drag media to the area below. Double-click items to set properties. Click to select item, then delete/backspace to remove, up/down keys to move.

00:00	Robert Vallee - Dionysus	Robert Vallee - Vallee10
00:30		Robert Vallee - Vallee02
01:00		Robert Vallee - Vallee05
01:30		Robert Vallee - Vallee15
02:00		Robert Vallee - Vallee03
02:30		Robert Vallee - Vallee14
03:00		Robert Vallee - Vallee15
03:30		Robert Vallee - Vallee16
04:00		Robert Vallee - Vallee17
04:30		Robert Vallee - Vallee18
05:00	OpenBroadcaster - Logo	

Mixes Image slide show with accompanying Audio. Cuts into Video section. Audio and image data may be played simultaneously. Image media will be added to the list on the right of the Playlist items, audio tracks on the left. `zoom in/zoom out` on the schedule of Playlist items to increase the resolution of the time scale. To create an Advanced Playlist containing `Dynamic Selections`, first create a **Standard** Playlist containing Dynamic Selections, then add that Playlist to the Advanced Playlist.

LIVE Assist Playlist

The screenshot shows the 'Edit Playlist' interface. At the top, it says 'Edit the following playlist as required.' Below this is the 'Playlist Data' section with fields for Name (Robs LA Playlist), Description (LA Playlist), Status (Private (available to you only)), and Type (LiveAssist). The 'Playlist Items' section contains a table of items with columns for Station ID, track name, and duration. The total duration is estimated at 44:02. Below the table are buttons for 'Add Dynamic Selection', 'Add Station ID', 'Add Breakpoint', 'Clear', and 'Save'. The 'LiveAssist Buttons' section allows adding playlists to the button area, with a list of available playlists like 'LA SFX - SFX Buttons', 'Movie Bits - Movie Bits', and 'Halloween - Halloween'. At the bottom, there are 'Clear' and 'Save' buttons and a navigation menu with links for account, media, playlists, schedules, admin, and help.

Station ID	Duration
Kraftwerk - Metal Abzug Metal (A Mash Mix)	02:21
Kraftwerk - Tour De France (La Grande Boucle Mix)	04:12
Kraftwerk - Expo 2000 (Virus 13 Mix)	07:14
Break point	
Kraftwerk - Radioactivity (Half-Life Mix)	07:26
Kraftwerk - Pocket Calculator (Black Sand Mix)	06:09
Station ID	*00:15
Break point	
Kraftwerk - The Hall Of Mirrors (Black Sand 7" Edit)	04:05
Kraftwerk/Kraftwerk - Home Computer (Disc Error Remix)	04:59
Break point	
Kraftwerk - Aero Dynamik (The Portal Mix)	07:07
Break point	

Used with LA Touch screen interface and hot button Player. Special Playlist that contains break points and button player. Accepts incoming live RTP Streams

Runs on a touch screen computer for LIVE Radio operation accepting incoming audio streams.

See **LIVE Assist QuickStart** (<http://support.openbroadcaster.com/Basics.html#live-assist>)

Create Playlist

Using the `playlist->new playlist` menu option:

1. Provide a `Name` and `Description` for the Playlist so it can be easily identified.
2. Give your Playlist a `Status` of **public** so other users can use your Playlist in their PlayLists and schedules (private PlayLists are only available to their owners).

3. Drag items from the media sidebar search results for media to the drop zone in the **centre work area**

4. Click Save

Edit Playlist

To Edit, Select Playlist and click `Edit` or right click, `Edit`

Dynamic Segment

The screenshot shows a media management interface. A central dialog box titled '- Dynamic Item Properties' is open. It has the following fields and values:

- Selection Name: Electric Light Orchestra
- Number of Items: 3 (with a radio button for 'all items')
- Image Duration: 15 (in seconds)

Below the fields are 'Save' and 'Cancel' buttons. Underneath is a section titled '- Description' with the text: 'The dynamic selection is based on your last media search. Type: Advanced Search Query: + Artist contains 'Electric Light Orchestra''. The background shows a playlist editor with a list of items and a media player sidebar on the right displaying search results for 'Electric Light Orchestra'.

Plays a specified number of media as a segment. Once a dynamic section is setup, additional media items added later that match the search filters will automatically be included as items to play.

1. Use a search to generate dynamic selections for a specified time segment. eg. Filter media on the right to show **The Beatles**
2. Edit or create new Playlist.
3. At bottom of PL, click Add Dynamic Segments
4. Set number of `Dynamic Selections` to be drawn from the last search of the media library.

In image below we have set 3 items to play out of a search results of 254 items. Automatically estimates the time of this segment.

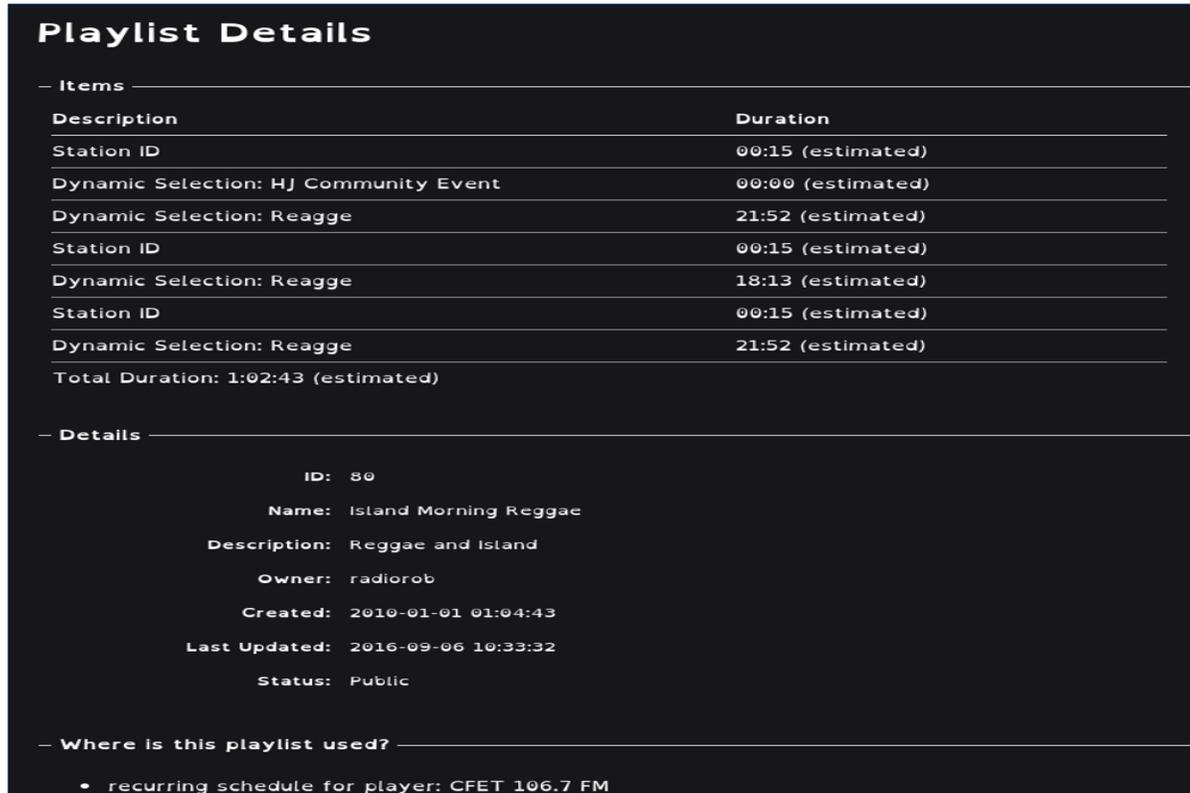
`Station ID` Button adds a special segment that automatically inserts Station IDs assigned to the specific player. This will play a `Station ID` into the Play List when it plays in a different station. EG CFET Station IDs will play on CFET and the same Play List will play CJHJ Station IDs

when it plays on CJHJ. Split Feed programming.

Default Play List (DPL)

This Playlist is assigned to the `Player` to fill in when there is nothing scheduled.

View Details



Playlist Details

– Items –

Description	Duration
Station ID	00:15 (estimated)
Dynamic Selection: HJ Community Event	00:00 (estimated)
Dynamic Selection: Reagge	21:52 (estimated)
Station ID	00:15 (estimated)
Dynamic Selection: Reagge	18:13 (estimated)
Station ID	00:15 (estimated)
Dynamic Selection: Reagge	21:52 (estimated)
Total Duration: 1:02:43 (estimated)	

– Details –

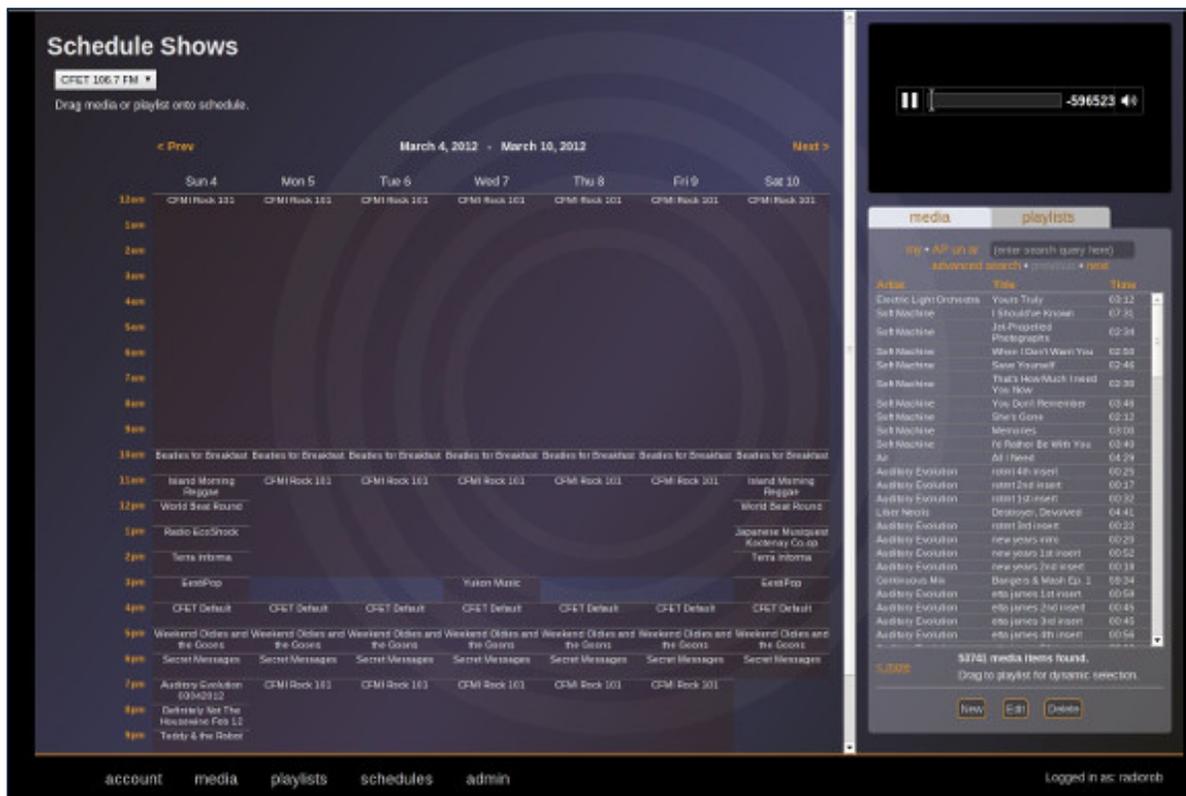
ID: 80
Name: Island Morning Reggae
Description: Reggae and Island
Owner: radiorob
Created: 2010-01-01 01:04:43
Last Updated: 2016-09-06 10:33:32
Status: Public

– Where is this playlist used? –

- recurring schedule for player: CFET 106.7 FM

From the Playlist sidebar, right click and select `Details` to find out where the PL is used, who created it and when it was last modified.

Schedules



Server schedule grid portrays a week of programming, with shaded, titled blocks indicating the content spanning those dedicated timeslots. Hover the cursor over a program block to view a summary of the scheduled show. Double-clicking a block accesses Show editor, if the current user's permissions allow this.

Media and Shows

Schedule a single piece of media or a Playlist (Show) or External Line IN Audio source.

Duration is automatically calculated for individual media tracks and estimated for `dynamic` segments.

DPL (Default Play List) assigned to that Player automatically starts to avoid dead air filling gaps with dynamic music segments. eg. 60 minute slot containing 50 minutes of programming, DPL will fill to top of the hour for next Time slot.

Flexible methods to schedule media and shows listed in ease of task.

1. Upload media. Drag to schedule and set to play in a time slot.
2. Select uploaded media and drag into an existing scheduled Playlist.
3. Priority function to play every N seconds. Set start and stop dates. Use sparingly. Only 1 priority media may run simultaneous per player.

_NB CAP Emergency Alerts automatically override all schedules, currently playing media and internal priority broadcasts.

The date/time of timeslots available for scheduling by any user are based on group permissions associated with that users profile. Permissions are managed by the `Administrator` group, although this may be delegated to another group. Only one Player may be scheduled at a time, although a Player may act as `Parent` to one or more players for scheduling. See **Advanced Scheduling**.

To show the correct timeslots, select the desired week before scheduling.

– Schedule Show

Item Name: Slideshow (playlist #2)

Timeslot: Guest Slot: May 22, 12:00:00 (2h)

Scheduling Mode: One-Time

Start Date: 2016-05-22

Start Time: 12:00:00

Duration: 00 days
02 hours
00 minutes
00 seconds

Save Cancel

Open the schedule grid using the `schedules->schedule shows` menu option:

1. Select the Player you have permission to schedule for.
2. Move the schedule grid to the desired week, using `<Prev` and `Next>` navigation aids.
3. Display the Playlist Tab in the sidebar.
4. Drag a Playlist from the sidebar onto the schedule.
5. Select from the available timeslots. Start time/date and duration are fixed to the time slot.
6. **Save** .

If the new show conflicts with any scheduled show, an error will be displayed and the new show will not be saved. Review the schedule. Look for an open time slot, advancing to the following week(s) if necessary.

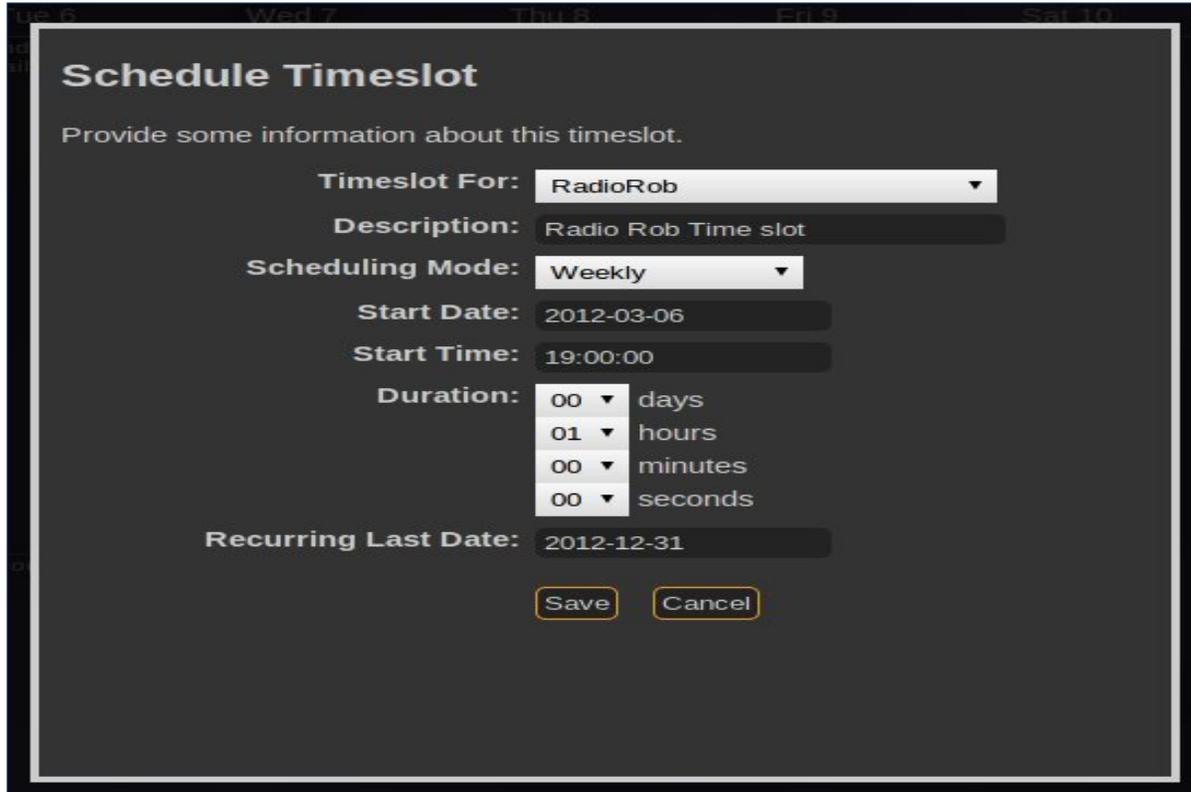
Shows must be scheduled with adequate lead-time in order to be synchronized with a Player for broadcast. Allow at least **30 minutes lead time** to ensure scheduled media can be uploaded to the Player before show time. Sufficient lead time is required to account for `Show Lockout Time` on the destination Player.

Scheduling Permissions

User with advance permissions can drag Media, Playlist or a Program and override basic users time-slots. If a slot is already scheduled, advanced user can remove or edit spots they are trying to program.

Advance users can have access to many options including, start and stop of time and date, duration. Scheduling Mode is available with options for daily, weekly, monthly as well as every x, day, week month

User Time Slots



Schedule Timeslot

Provide some information about this timeslot.

Timeslot For: RadioRob

Description: Radio Rob Time slot

Scheduling Mode: Weekly

Start Date: 2012-03-06

Start Time: 19:00:00

Duration: 00 days
01 hours
00 minutes
00 seconds

Recurring Last Date: 2012-12-31

Save Cancel

Create Time Slots and Assign Users

1. Double click on screen and a menu will pop up
2. First step is to select the user to assign from the drop down menu. This will display a list of all registered and active users.
3. Select the event mode, Single, Daily, Weekly, Monthly or every x, day, week or month
4. Select the start day (default is current date) and the time when this user can program content
5. Set duration. In this example the time-slot is one hour and it can be any duration. Time Slot cannot conflict with an existing time-slot.

In the event that a user is assigned a time-slot that is not utilized or does not contain any media or Play list containing media the DPL (Default Play List) assigned to that Player will automatically start to avoid dead air

Priority Broadcasts

The screenshot shows the OBPlayer Dashboard interface. At the top left, there's a 'Priority Broadcasts' section with a dropdown menu set to 'CFET 106.7 FM'. Below it, a table lists broadcast items. A modal window titled '- Priority Broadcast' is open, showing fields for Name, Play Every, Start Date, Start Time, Stop Date, and Stop Time. To the right, a 'Media Player' window is visible, showing a search for 'yg-emo' and a list of media items.

Name	Start	Stop	Frequency
Shakeout Drill	2016-10-20 00:00:00	2016-10-20 18:00:00	7300 seconds

- Priority Broadcast

Media Item: YG-EMO - ShakeOut Drill Broadcast English

Name: ShakeOut Drill

Play Every: 7300 seconds

Start Date: 2016-10-20

Start Time: 10:00:00

Stop Date: 2016-10-20

Stop Time: 18:00:00

Save Cancel

Media Player

media | playlists | programs

my AP on air yg-emo

advanced simple my searches

Artist	Title	Time
YG-EMO	ShakeOut Drill Broadcast English	00:58

1 media item found

New Edit Delete

account media playlists schedules admin help

Logged in as: radiorob

The Priority broadcast will start with minimal delay as specified in OBPlayer Dashboard how often to sync for priority messages. Selecting the default time of 00:00:00 for 3PM will start the broadcast immediately. In order to access this feature the user must have the required permissions and time must be authorized for the media to arrive at the Player in order to play.

1. Begin by selecting the Player where the emergency broadcast is to be scheduled. Drag and drop a single media from the media window. A menu will pop up asking for information.
2. Give the Priority broadcast a name.
3. Enter in the frequency of the broadcast in seconds eg 600 sec = 5 minutes.
4. Enter in start/stop times and date range with pop up calendar
5. Click Save

Scheduling Line In

When enabled in Player Manager a Line-In button appears in top right of scheduler. Drag Schedule Line-In onto schedule. What ever is plugged into the Line-in of local machine where the player is will be passed through. Example is a satellite audio receiver.

User Management

New User Sign up

New Account

Fill out the following form to create a new account. A random password will be emailed to you.

Name:

Username:

Email:

[Return to login window.](#)

Running version 4.1.1-20160502.
Browser support Firefox 36+, Chrome 41+, Safari 7+, IE 11+.

OpenBroadcaster is released under Affero GPL v3 and may be downloaded at openbroadcaster.com. View [license](#).

Users may create an account from a link on the Welcome page. This may also be disabled if you do not want public to sign up for new accounts in `User Admin`.

Only one registration is allowed at any given email address. Users are notified of a new, random password by email, upon registration or when a password reminder is requested. Once a user has registered, a notice is sent to the **Administrator**. Until a user is assigned to a group, they are limited to read only browse/preview of the media library.

The `admin` user has access to all media, playlists and schedules. As new users are added, they are assigned to a group with the appropriate set of permissions. For example, a `guest` user may browse, but not add/edit/delete items in the media library.

User List

User Management

Add a User

Display Name	Email	Created	Last Access	Groups	
Admin	admin@example.com		2016-05-27 12:35:00	Administrator	Edit
Bob	TheMan@example.com	2016-05-27 12:35:00		Managers, Producers	Edit
guest	guest@example.com	2016-02-24 17:01:06	2016-05-27 10:10:05	Guest	Edit

The user management menu provides a list of user accounts, indicating group membership and most recent access. Sort by name, last login and creation date.

— User —

Name:

Username:

Display Name:

Email:

Password: *

Password (confirm): *

Status:

Groups:

- Administrator
- Managers
- Producers
- Guest

* Enter password only if you wish to change the password.

Add or Edit User account settings.

1. Change Display\User Name

2. Specify email address for reset and notifications
3. Assign user to permissions group(s)
4. Enable\Disable User Status

Permissions

User Management

[Add a User](#)

Display Name	Email	Created	Last Access
radiorob	radiorob@		2016-11-17 23:37:31
API_USER	APIU	2015-07-09 23:24:11	2016-11-17 23:00:28
Bill Polonsky	polonsk		2016-11-17 19:47:26
onetonmetal	blaker		2016-11-16 19:29:01
Volunteer Yukon	info@		2016-11-15 11:14:25
ColinS	colin	2015-12-10 14:45:58	2016-11-14 20:27:36
Dieter Gade	gade	2012-11-10 13:45:26	2016-11-13 13:32:55
ChangeTruth	carchri	2016-06-10 13:12:13	2016-11-13 11:32:25
justdance	stephen	2016-09-08 14:38:26	2016-11-11 19:10:42
Ha-leeena	helena	2015-09-22 18:41:29	2016-11-11 16:02:53

- User

Name:

Username:

Display Name:

Email:

Password:

Password (confirm):

Status: Enabled

Groups: Administrator
 Basic Volunteer
 Manager

* Enter password only if you wish to change the password.

The `permission` menu accesses a grid for fine-grained control over access to media, Playlist and scheduling functions, on a Player by Player basis. Users in the **Administrator** group may assign or revoke permissions to other user groups. Additional groups may be created for granting users' permission to upload and/or download media, schedule PlayLists, or view playlogs. For example, approval for media and allocation of time slots could be delegated to a group that grants permissions on only one Player device, and has no other administrative privileges. **Advanced Admin** functions establish hooks for remote Player connections.

Create Group

The screenshot shows a web interface for managing permissions. On the left, a sidebar lists permissions for the 'Administrator' group, with a 'New Group' button. The main content area is titled 'Edit Permissions For Group' and shows the 'Managers' group selected. It lists various permissions, some checked and some unchecked, under different categories like 'administration' and 'player: CJUC 92.5 FM'. A bottom navigation bar contains links for 'account', 'media', 'playlists', and 'schedules'.

1. Name of new group
2. Select Tasks and Resources this group should have access.
3. Save

Player Management

Players can be a physical playout device or virtual process located on the same hardware as the player or located in another location.

New Player

1. Begin by giving the Player a unique name, This name will be displayed when, scheduling, emergency broadcasts and generating reports. Give a description of the Player.
2. Enter in the stream URL
3. Enter a password that matched with the one that was entered when setting up the Player. See below
4. Using the radio buttons select the types of media that the Player will be supporting
5. Set time zone where the Player is located. This is also required for the creating of Play logs which are all done in GMT
6. From the Play List window, drag and drop the DPL (Default Play List) that will be associated with this Player. If the Player cannot locate a schedule of media to be played, it will play the DPL in a loop to avoid dead air.
7. Drag and drop station ID that you wish to associate with this Player.

8. Save Player

NB Leave IP address field empty

The Player ID is automatically generated and the assigned password will be needed when configuring the Remote Player. See Remote Player Settings

Connection Messages



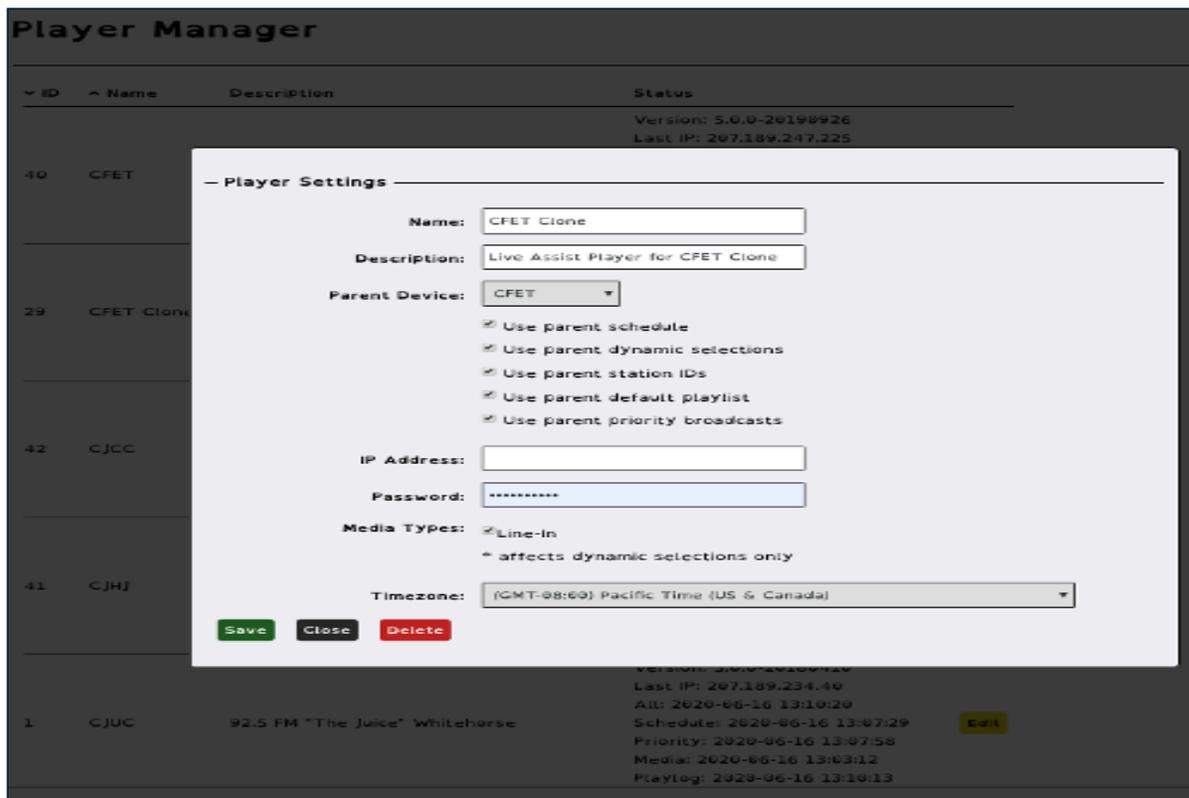
The screenshot displays the 'Device Settings' interface. On the left, a table lists devices with columns for ID, Name, Description, and Last Connect. The first device is 'CFET 106.7 FM' with a 'collapse' button. Below the table are fields for Name, Description, IP Address, Password, Media Types (Audio, Images, Video), Timezone, Default Playlist, and Station IDs. On the right, a 'media' playlist is shown with columns for Artist, Title, and Time. The playlist includes items like 'Rolling Stone Magazine', 'Church of the SubGenius', and 'National Central Network podcast'. At the bottom, there are navigation tabs for 'account', 'media', 'playlists', 'schedules', and 'admin', and a 'Logged in as: radirob' indicator.

Connection Messages for Players connect back to the server at predetermined times as set in the Player dashboard. The "last Connect" info is continuously being updated and a graphic icon of a green check mark indicates that all connections are current and the device is in operation and communicating properly. Displays to right of newly created player showing times when last connected. Top line shows status of Priority, Media and Playlog sync last connections time to server. "!" icon if there is no heartbeat.

Displays the Version of connected player, GPS Coordinates and Last known external IP

Pro Tip Connection info is also displayed with Station Icon status using Mapping Module

Cloning Playout Devices as Parent and Child



Share a common schedule among a network of players.

Customize the roles of each individual player, fine tuning Parent characteristics and controls.

- Schedules - Dynamic Selections - Station IDs - Default Play Lists - Priority Broadcasts

Logging and Monitoring

Device Monitoring

Select a device and date range to load device monitor data. Results are limited to 1000 rows.

Device: CJUC 92.5FM
 Start: 2011-10-11
 End: 2011-10-11
 Sort: Date/Time Ascending

Add Filter

Media ID is exactly Add Filter

Results

Media ID	Artist	Title	Date/Time	Context	Notes
49603	Gully Simpson	Introduction	2011-10-11 00:03:35	show	
49622	Gully Simpson	Mic Check 313	2011-10-11 00:04:46	show	
49668	DJ Signify	Sink Or Swim Feat. Aesop Rock	2011-10-11 00:07:27	show	
47339	Pacesetter	CJUC Promo for the Juice	2011-10-11 00:11:11	show	
49636	Ruckshot LoFonque	Wonders and Signs	2011-10-11 00:11:43	show	
49654	Sahac	Breaking Through (prod. by Blue Sky Black Death)	2011-10-11 00:17:15	show	
49672	DJ Signify	Interlude 6	2011-10-11 00:20:55	show	
49673	DJ Signify	Hold Me Dont Touch Me	2011-10-11 00:21:26	show	
49735	DJ Babu	Guns Gorr Blaw Feat. Terminology	2011-10-11 00:24:51	show	
49743	Llchi	Mulown 2s (feat. Royce Da 5'9)	2011-10-11 00:28:53	show	
49817	ibastix	Underground Railroad (ft. AesopRock)	2011-10-11	show	

account media playlists schedules admin Logged in as: radirob

Play logs are generated from the Player and sent back to OBServer via TCP/IP according to the frequency specified in the Player Dashboard settings. Reports may be generated using filters for a combination of parameters including; Player, Time and Date range, Artist, Title and Media ID.

Modules

Installed Modules

The following modules are installed:

Name	Description	
Bulk Import v0.1	Imports bulk media items from predetermined folders.	uninstall
Data & Statistics v1.0	Provide stats for media, playlists, and other OpenBroadcaster Server data.	uninstall
Now Playing v1.0	Provide "now playing" information on page at <IP_of_Server>/modules/now_playing/now_playing.php?i=deviceID	uninstall
OB 2-OB v0.2	Transfer media to another installation of OpenBroadcaster.	uninstall
OB Ad Manager	Manage ads by moving them between "enabled" and "disabled" categories.	uninstall
Payments	Add eCommerce functionality, providing monetary incentive to users to complete media creation and management tasks. Integrates with Task Tracker module.	uninstall
Server Status v1.0	Server status information including disk usage, uptime, etc.	uninstall
SX Reporting v1.0	Reporting module for SoundExchange.	uninstall
Task Tracker v0.1	Tracks tasks with assigned playlists and media items.	uninstall
Transtations	Add multi-language support to OpenBroadcaster.	uninstall
Tutorial v1.0	Provide a quick tutorial running through the basics of OpenBroadcaster.	uninstall

Available Modules

The following modules are available to install:

Name	Description	
Logger v1.0	Log all controller functions.	install
Terms of Use	OpenBroadcaster Terms of Use	install

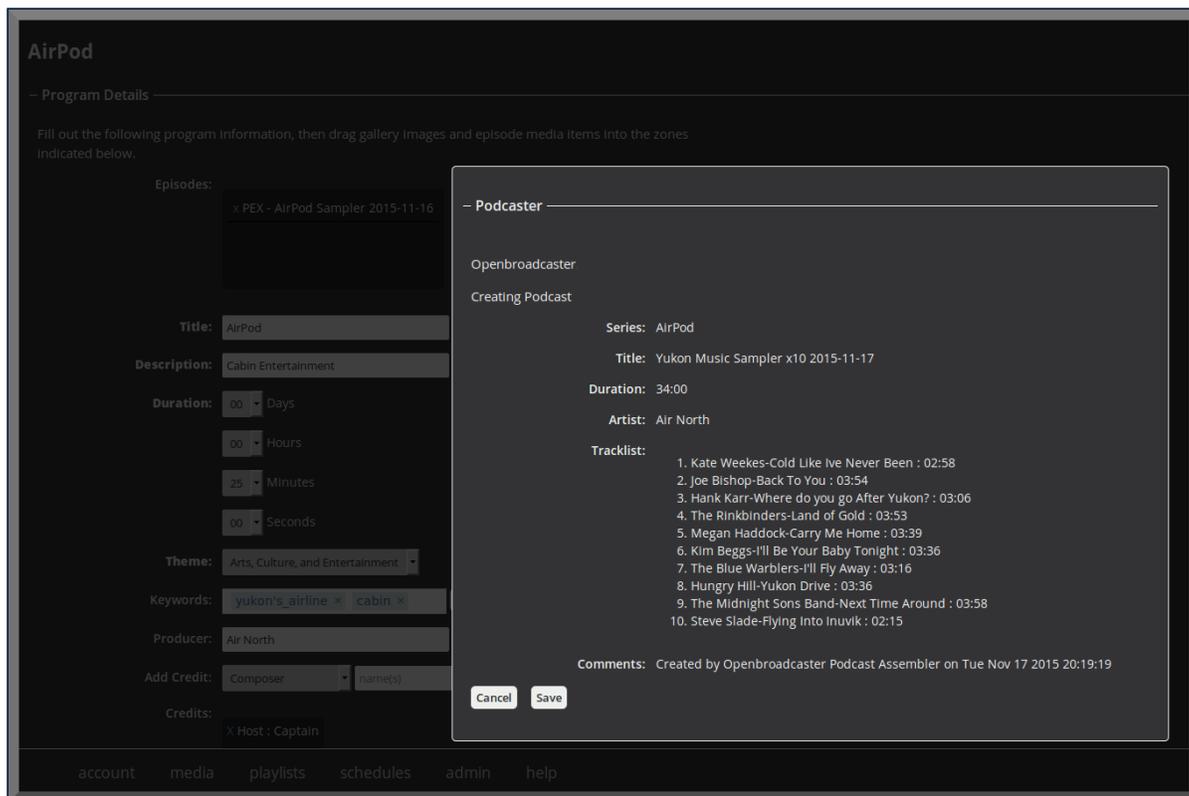
We include a couple of sample modules. Additional features may be introduced into the OB environment by third-party developers.

Check for updated list of modules

Legacy Modules

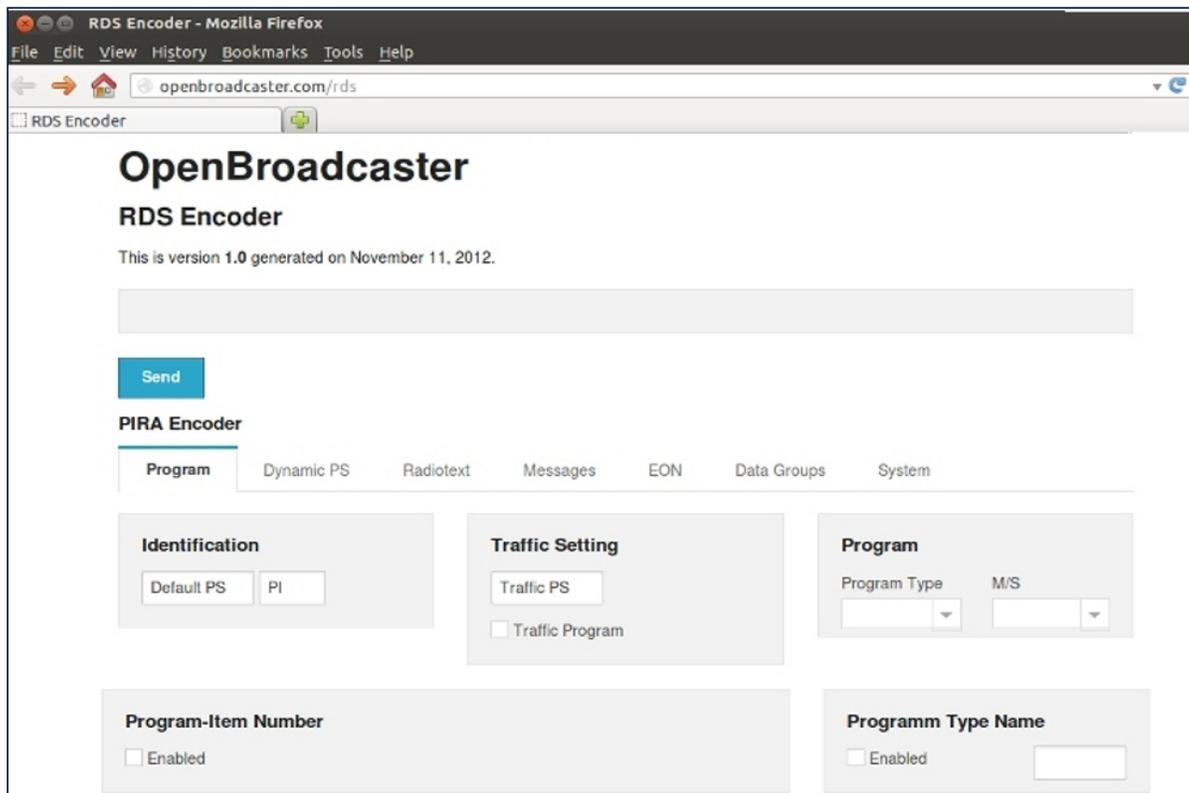
Podcast Assembler

Drag Playlist to turn into a dynamic single file podcast with embedded track list for copyright compliance.



RDS Metadata

Integrate metadata of stream into a RDS encoder at transmitter site.



Updates and New Features

OpenBroadcaster Install Checker

PHP Version	PHP v7.0.12-1 detected.
PHP MySQL extension	PHP MySQL extension detected.
PHP Extensions	Required PHP extensions found.
PHP Extensions	Optional PHP extensions found.
Program detection	Tool to detect dependencies (which) is available.
Text-to-Speech	Required components for text-to-speech found.
Audio & Video Support	AVConv found. Audio and video formats should be supported. Make sure the supporting libraries are installed (libavcodec-extra-53, libavdevice-extra-53, libavfilter-extra-2, libavutil-extra-51, libpostproc-extra-52, libswscale-extra-2 or similar packages on Debian/Ubuntu).
Settings file	Settings file (config.php) found. Will try to load components.php and config.php now. If you see an error below (or if output stops), check config.php for errors.
Settings file	Settings file (config.php) is valid.
Assets directory	Assets and assets/uploads directories exist and are writable by the server.
Database Version	Database version found: 20160906.

OpenBroadcaster Updates

This will complete database and other updates required when upgrading OpenBroadcaster.

Please make a backup of the database before running updates!

[Run Updates Now](#)

Setup observer, login to GUI as admin user, open a new browser tab

`http://IP_OF_SERVER/updates/`

Client Settings

Login Message of the Day and a default Welcome page displayed on the initial log in screen using an inline editor.

Email Notification Alerts

When a playlog, schedule or media sync hasn't been received from a remote Player in 60 minutes, an advisory email will be sent to the Admin user address from the server indicating there is a problem that needs attention.

Feedback

Find a **bug** (<https://github.com/openbroadcaster/obplayer/issues/new>)? Have a **feature request** (<https://github.com/openbroadcaster/obplayer/issues/new>)?

We really appreciate your feedback!

Open Server Bugs

No open issues

Open Player Bugs

Made by Openbroadcaster.

With ♥ from Friends of Cake



Media Player

- **Using the Player**
- **Main Status**
 - Downloads
 - Local Audio Streams
- **Administration**
 - Audio and Video Outputs
 - Audio and Video Sources
 - HTTP(s) Admin
 - Live Assist
 - Location Map
 - Summary Page
 - Sync/Media
- **Streaming Media**
 - Icecast Streaming
 - STL (Studio Transmitter Link)
 - RTP Livewire Multicast Streaming
 - YouTube Live Channel
- **CAP Emergency Alert Player**
 - Heart Beats
 - Location Geocodes
- **CAP Alerts Configuration Page**
 - Initial Setup
 - Set Alerting Locale
 - Set TTS (Text to Speech)
 - Advanced Settings
- **Injecting Alerts into the broadcast chain**
 - Audio
 - CAP Alerts with Barix Exstreamer
 - GPIO Audio Relay
 - Visual

- **Test Alerts**
 - **Self Generated Test Alerts**
 - **Scheduled Testing**
 - **Ad Hoc LIVE testing**
- **Indigenous Alerts**
- **Experimental Features**

Using the Player

Player configuration and status monitoring is accomplished using a **Dashboard** interface. The Dashboard is available from any web browser, on default port 23233 of the **Localhost IP address (http://localhost:23233)**. For access to the Dashboard from outside the local area network, contact your network administrator to setup port forwarding on your router.

The `Admin` user can change configuration settings of the Player as required for activation in a broadcast setting. The changes that are required in each case are reviewed in **Getting Started (/Getting_Started)**. Additional settings for each page are reviewed on this page.

Be sure to **Save** any changes on each Page, waiting for a green confirmation message then restarting with the `Quit` button to take effect. If audio or video modes are changed, a reboot is recommended.

Dashboard access is for first time setup and advance troubleshooting. Once the Player is setup and configured it is typically entirely command and controlled from a managing OBServer.

Main Status

Show

Current Time: 14:35:43
 Uptime: up 12 weeks, 13 hours, 19 minutes
 Show Type: standard
 Show ID: 300
 Show Name: Canadian Show
 Show:
 Description: All Canadian Music
 Last Update: 02:07:32

Audio Stream

Media Type: audio
 Order #: 10
 Media ID: 122125
 Media Artist: Kelly Fraser
 Media Title: Taimanilitut
 Media Duration: 03:42
 Scheduled End: 14:38:17

Visual Stream

Media Type:
 Order #:
 Media ID:
 Media Artist:
 Media Title:
 Media Duration:
 Scheduled End:

Open Audio Streams...

Logs

Log Level: Normal * Downloads

```
[Jun 16 2020 21:21:37 UTC] [player] now playing track 7: Wolf Parade - Killing Armies (id: 51693 file: 51693-Wolf_Parade-Killing_Armies.mp3 duration: 170.718 type: 'audio' source:
[Jun 16 2020 21:21:37 UTC] [player] resuming track at 0.03687429428100586 seconds.
[Jun 16 2020 21:22:19 UTC] [sync] fetching show data from server
[Jun 16 2020 21:22:21 UTC] [sync] writing data to database
[Jun 16 2020 21:22:21 UTC] [data] backup database to disk
[Jun 16 2020 21:22:21 UTC] [data] done backing up
[Jun 16 2020 21:22:22 UTC] [sync] copying 40554-Gary_Moore-Stop_Messin__Around.ogg from local
[Jun 16 2020 21:22:22 UTC] [sync] copying 92435-Blue__yster_Cult-Screams.mp3 from local
[Jun 16 2020 21:22:22 UTC] [sync] copying 40506-The_Rolling_Stones-I_Get_Around.ogg from local
[Jun 16 2020 21:24:27 UTC] [player] now playing track 8: Sloan - On The Horizon (id: 56284 file: 56284-Sloan-On_The_Horizon.mp3 duration: 246.622s type: 'audio' source: schedu
[Jun 16 2020 21:24:27 UTC] [player] resuming track at 0.05781960487365723 seconds.
[Jun 16 2020 21:27:28 UTC] [sync] syncing playlog wth server
[Jun 16 2020 21:28:03 UTC] [sync] fetching priority broadcast data from server
[Jun 16 2020 21:28:34 UTC] [player] now playing track 9: Aborigino_Dig your Roots Hip Hop - The Now (id: 34578 file: 34578-Aborigino_Dig_your_Roots_Hip_Hop-The_Now.ogg du
[Jun 16 2020 21:28:34 UTC] [player] resuming track at 0.11051011085510254 seconds.
[Jun 16 2020 21:31:59 UTC] [player] now playing track 10: Nicole Edwards And The Joy Seekers - Red Shoes (id: 47640 file: 47640-Nicole_Edwards_And_The_Joy_Seekers-Red_S
[Jun 16 2020 21:31:59 UTC] [player] resuming track at 0.05957651138305664 seconds.
[Jun 16 2020 21:32:21 UTC] [sync] fetching show data from server
[Jun 16 2020 21:32:22 UTC] [sync] writing data to database
[Jun 16 2020 21:32:22 UTC] [data] backup database to disk
[Jun 16 2020 21:32:22 UTC] [data] done backing up
[Jun 16 2020 21:32:27 UTC] [sync] copying 102445-Faces-Last_Orders_Please.ogg from local
[Jun 16 2020 21:32:27 UTC] [sync] copying 42305-Youngbloods-Reason_to_Believe.ogg from local
[Jun 16 2020 21:32:27 UTC] [sync] copying 48891-Chicago-South_California_Purple.mp3 from local
[Jun 16 2020 21:34:34 UTC] [player] now playing track 11: Kelly Fraser - Taimanilitut (id: 122125 file: 122125.mp3 duration: 222.511s type: 'audio' source: scheduler)
[Jun 16 2020 21:34:34 UTC] [player] resuming track at 0.11199736595153809 seconds.
```

Displays real time information for the current state of the Player. If audio signal is present, a signal level indicator will respond to output from both audio channels. All system operations are displayed on a real time Log displayed on the __Status Page.

Log Level

Provides detailed logging by viewing the Debug log. The Debug log displays all CAP alert messages received by the Alert Player, before local filters have been applied. The status log will indicate status of connections to the NAAD server(s); only those alerts matching the SGC filters will actually be played

Log Colours

- Normal system operation Green Text.
- Player and Now playing Green Text.
- Schedule sync Teal
- Downloading Media Orange Text
- CAP XML Alerts received Lime Green Text (Only in Debug mode).
- CAP Alert payout and NAAD connection Magenta Text.
- Warning and advisory Olive Text
- Media DB sync Medium Blue Text

- Admin Modules and System Black Text
- Data Command and Control Dark Grey Text
- Network Error, Authentication failure and broken links Red Text

Downloads

Status Logs Text\CSV

- Daily Playlogs
- Daily Alerts Log

Audio Logs MP3

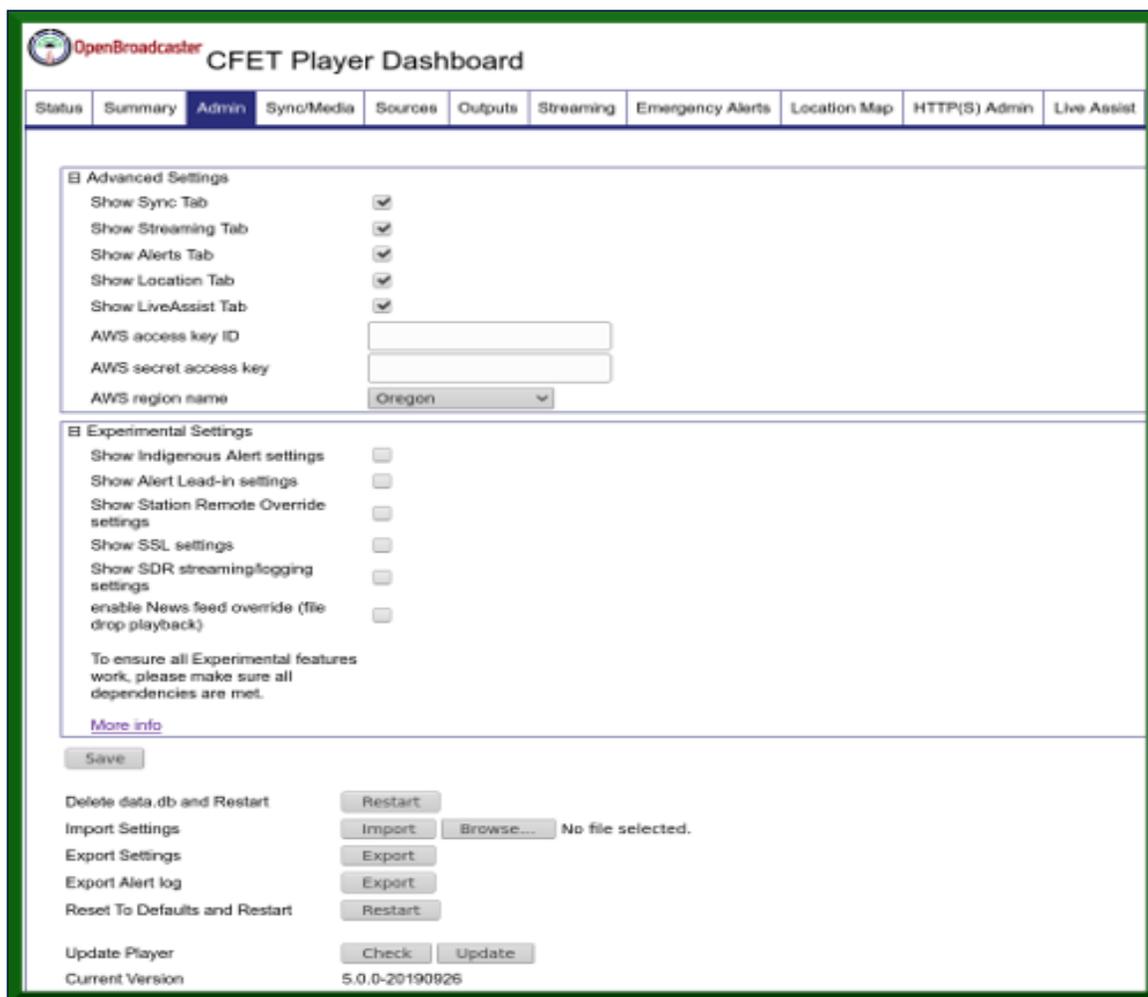
- On Board Audio Logs
- Off-air Audio Logs
- SDR Audio logs

Local Audio Streams

Mount points generated for Icecast monitoring enabled in the dashboard.

- Main Mount Point
- STL Mount Point
- Off-Air SDR
- Live OverRide

Administration



Admin Menu is visible to the Admin user only.

Delete DB and Restore deletes the Player DB that contains schedules. Deleting this and restart forces a sync for new media and schedules. This doesn't delete the settings of player.

Export or Import settings to save or restore the configuration, if necessary. To create a backup of the configuration **export** the settings. To restore a configuration, **import** the settings file. Configuration settings are output in plain text form, **excluding** passwords. This file should be kept in a secure location. Preconfigured installations may be deployed using settings files.

Settings file and passwords Passwords will not be exported or revealed. Restoring the settings file will reset the player dashboard passwords to default (admin) retaining the created user account. Once the player has been restored, simply login with the user and default password and change in the Admin page to your desired password.

Reset to Defaults will restore the default configuration. Current configuration parameters will be overwritten, but may be restored from the backup settings file.

Update Player allows the user to confirm the installed Player version, check for updates to the Player software, and if desired, retrieve and install the updates. Changes will not take effect until the Player is restarted.

Audio and Video Outputs

The screenshot shows the OpenBroadcaster CFET Player Dashboard with the 'Outputs' tab selected. The dashboard is divided into several sections:

- Audio Output Settings:**
 - Audio Output Mode: Pulse Audio (dropdown)
 - Enable Audio Visualization:
 - Gstreamer Init Callback:
 - Enable Audio Logging:
 - PulseAudio Sinks:** python3 ('Free me' by 'Redding, Otis') (slider), Mute (button), Built-in Audio Analog Stereo (dropdown)
- Video Output Settings:**
 - Enable Video Output:
 - Video Output Mode: Auto Detect (dropdown)
 - Video Output Resolution: default (dropdown)
- Video Overlay Settings:**
 - Enable Video Overlay:
- LED Sign Settings:**
 - Enable LED Sign:
 - LED Device Filename: /dev/ttyS1 (text input)
 - Enable LED Time:
 - LED Initialize Message:

A 'Save' button is located at the bottom left of the settings area.

Audio Output Settings **modes** available to Select:

- Alsa
- ESound
- JACK
- OSS
- Pulse
- No Audio - good for players in studio that do not want onboard audio coming out of built in speakers

Enable Audio Logging **records one hour files** available via Admin>Downloads

Video Output Settings **Enables** Output Mode

- X11
- Xvideo
- OpenGL
- EGL/GLES
- Wayland
- Coloured ASCII - *Set this mode on CATV for fundraising drives*

- No Output

Video Overlay Settings Enables crawl of Alert messages across display

LED Sign Settings Configures serial LED signage

Enable Test Signal Turns on/off the 440Hz test signal

Video output Resolution is automatically detected and displays values when video mode is enabled after restart.

Audio and Video Sources

The screenshot shows the OpenBroadcaster CFET Player Dashboard with the following settings:

- Fallback Player Settings**
 - Enable Fallback Media Player:
 - Fallback Media:
- AoIP Input Settings**
 - Enable AoIP Input:
 - AoIP Source URI:
- RTP/Livewire Audio Input Settings**
 - RTP Input Enable:
 - RTP Input Port:
 - Multicast Address:
 - Audio Encoding Format:
 - Audio Clock Rate:
 - Use RTCP?:
- Audio Input Settings**
 - Enable Audio In Source:
 - Audio Input Mode:
- PulseAudio Sources**
 - No PulseAudio Sources Present
- Image Display Settings**
 - Enable Image Transitions:
 - Fixed Width:
 - Fixed Height:
 - Fixed Framerate:
- Test Signal Settings**
 - Enable Test Signal:

A "Save" button is located at the bottom left of the settings area.

Fallback Player Settings Enables and specifies file location of Fall Back Media. Fallback media directory and sub directory items are played at random, but all items will be played before any media items are played a second time. Default is 15 Seconds for image display.

AoIP Input Settings to specify AoIP Source URI

RTP/Livewire Audio Input Settings **sets values for:** RTP Input, RTP Input Port and Multicast Address

Select Audio Encoding Format: OPUS, 16-bit PCM or 24-bit PCM (Livewire)

Audio Clock Rate 48000 Hz or 41000 Hz

Enable RTCP Real-time Transport Control Protocol

Enable Audio Input Settings External Sources and enables pass-thru and capture of Line-In

Audio Input Mode

- Alsa
- ESound
- JACK
- OSS
- Pulse
- No Input

Disable When Silence Is Detected

Prioritize Above Scheduler **When source is detected on Lin In, to play that. .**

Silence/Signal Threshold (dB) **When to trigger switch over for detecting line in**

Time Before Enabling Input and Disabling Input(s) **Time Before Enabling\ Disabling Input (s) after it detects silence before it enables\disables the input.**

Enable Audio Input Logging **Records one hour segments into ./openbroadcaster and accessible via Admin>Downloads**

Image Display Settings **Slideshow display of image media and overlay**

HTTP(s) Admin

The screenshot shows the 'CFET Player Dashboard' configuration interface. At the top left is the 'OpenBroadcaster' logo. A navigation bar contains the following tabs: Status, Summary, Admin, Sync/Media, Sources, Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin (which is the active tab), and Live Assist. The main content area contains the following configuration options:

- Language: English (dropdown menu)
- Enable SSL:
- Dashboard Port: 23233 (text input)
- Admin Username: cfet (text input)
- Admin Password: (text input)
- Retype Admin Password: (text input)
- Read-Only Username: user (text input)
- Read-Only Password: ••••• (password input)
- Allow Fullscreen/Restart for Read-Only User:
- Dashboard Title: CFET Player Dashboard (text input)

A 'Save' button is located at the bottom left of the configuration area.

Set Global language

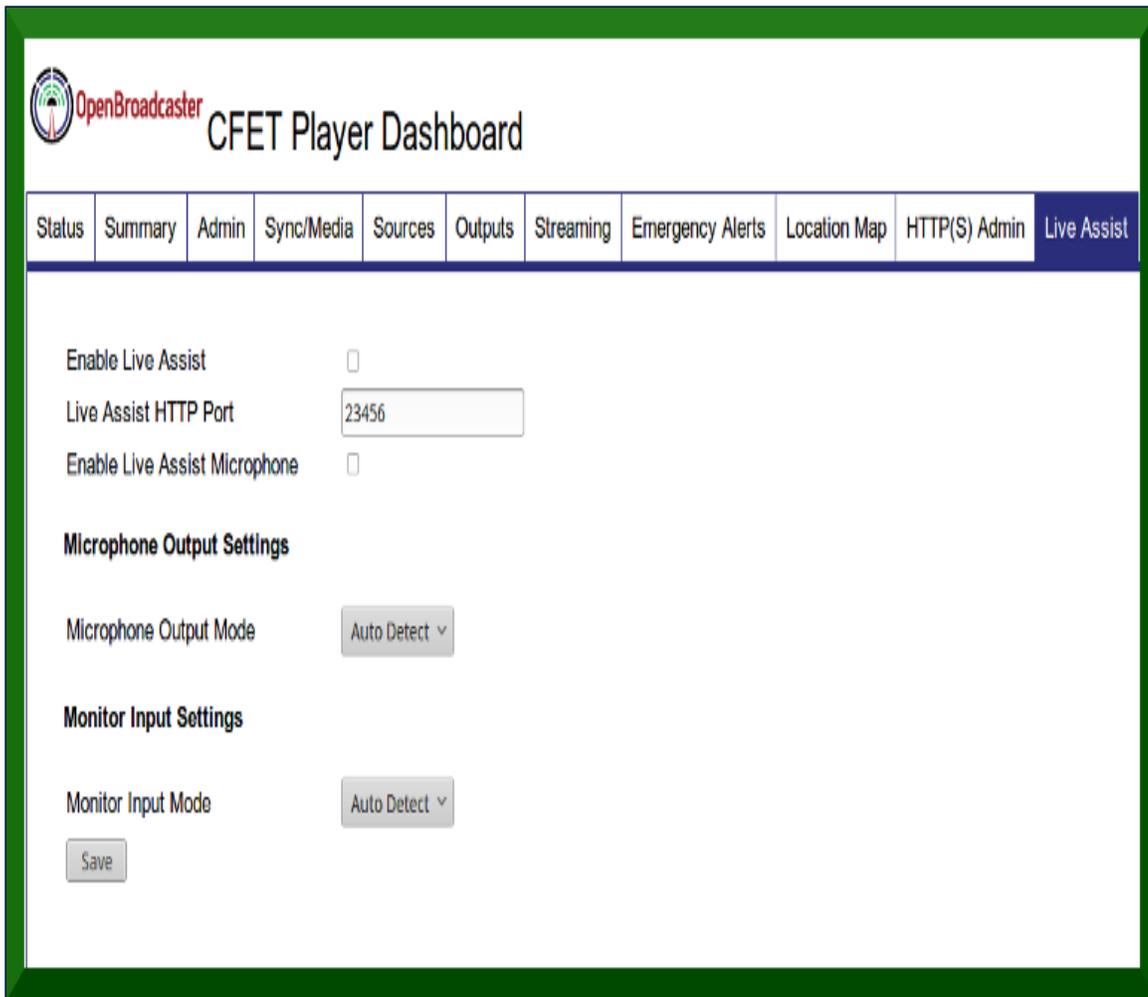
Change Admin user password

Set up Read only user and password

Allow read only user to access restarting through dashboard

Set Text to display in browser Tab and Bookmarks Shortcut

Live Assist



Enable `Live Assist`

Set HTTP(s) port (Default = 23456) to enable interactive touch screen interface

Specifying `Microphone` and `Monitor` sources

More info on using LIVE Assist **Here** (<http://support.openbroadcaster.com/LIVE-Assist>)

Location Map

 **OpenBroadcaster** CFET Player Dashboard

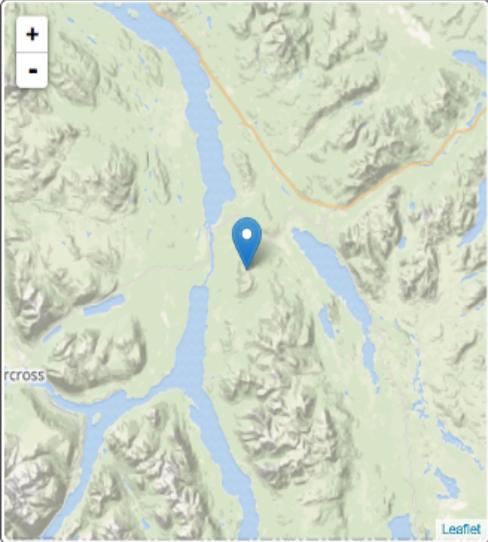
Status Summary Admin Sync/Media Sources Outputs Streaming Emergency Alerts **Location Map** HTTP(S) Admin Live Assist

Enable Map Display

Device Location (use decimal degrees)

Longitude

Latitude



Drag and drop marker to update coordinates.
Drag and drop map to pan.

Establishes geographic coordinates for an installation. Coordinates are reported back to an OpenBroadcaster Server, if Sync is enabled to display players and status on a geo map using the **Geo Mapping** (<http://support.openbroadcaster.com/mapping/>) Module.

Summary Page



Current Configuration

Version	v5.0.0-20180406
Local Time:	Fri Apr 6 16:42:25 2018
Device Coordinates	[-134.18537,60.27434]
Enable Scheduler/Sync	True
Device ID	40
Device Password	(hidden)
Sync URL	https:// openbroadcaster.com/remote.php
Sync Amount (buffer)	24 hours
Remote Media Location	/home/obsuser/.openbroadcaster/media
Show Lock-In Time	20 minutes
Media Sync Frequency	5 minutes
Priority Alert Sync Frequency	5 minutes
Playlog Sync Frequency	10 minutes
Media Sync Mode	backup
Backup Downloaded Media	True
Local Media	/mnt/obdrive/obmedia
Enable Fallback Media Player	True
Fallback Media	/home/obsuser/.openbroadcaster/fallback_media
Enable AoIP Input	False
AoIP Source URI	
RTP Input Enable	False
RTP Input Port	5004
Multicast Address	239.192.0.203
Audio Encoding Format	L24
Audio Clock Rate	48000
Use RTCP?	False
Enable Audio In Source	False
Audio Input Mode	pulse
Disable When Silence Is Detected?	False
Prioritize Above Scheduler?	False
Enable Image Transitions	False
Fixed Image Size & Framerate	640 x 480 @ 15fps
Enable Test Signal	False

Displays all current configuration settings and additional info; Current Version\Branch, GPS Coordinates and Local Time.

Sync/Media

The screenshot shows the 'CFET Player Dashboard' with the 'Sync/Media' tab selected. The settings are as follows:

- Enable Scheduler/Sync:
- Device ID:
- Device Password:
- Sync URL:
- Enable Playlog Sync:
- Media Sync Mode:
- Backup Downloaded Media:
- Local Media:

Advanced Settings

- Sync Amount (buffer):
- Show Lock-In Time:
- Media Sync Frequency:
- Priority Alert Sync Frequency:
- Playlog Sync Frequency:

Buttons: Save, Toggle Enabled

Footer: OpenBroadcaster Player is released under [Affero GPL v3](#). Downloads and updates available at support.openbroadcaster.com/obplayer-updates. Self-help instructions available at wiki.openbroadcaster.com/obplayer.

Sync URL should be in the format `http://server_ip_address/remote.php` or `https://server_ip_address/remote.php` Device ID and Password should match what was entered in server to provision player. These settings are ignored if Sync/Media settings are disabled such as configured for standalone alerting operation

Media Sync Mode

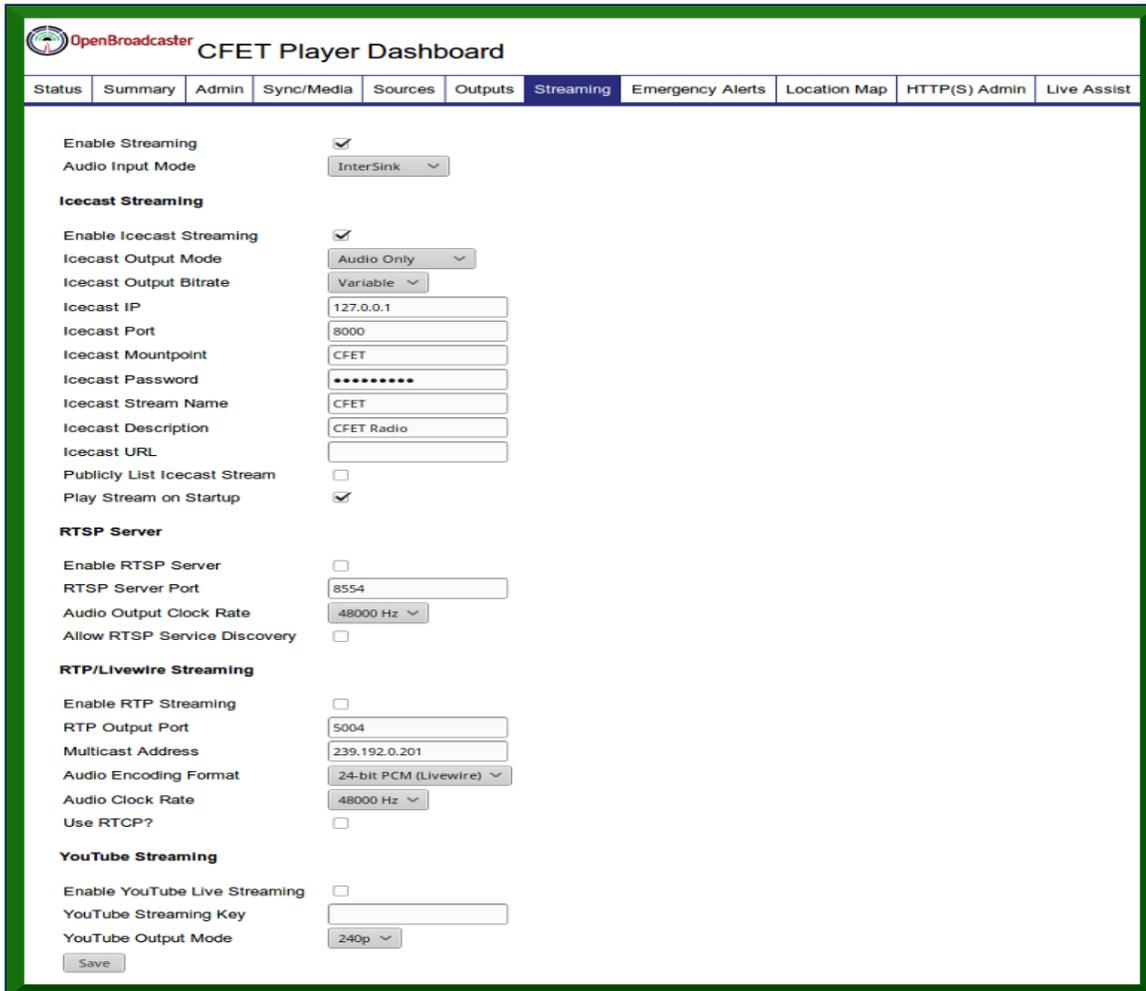
- Remote stores media under `./openbroadcaster`
- Backup stores media locally or shared in a specified directory
- Local is used to access media library that is on the same machine as player

Backup Downloaded Media saves and caches a copy so it doesn't get downloaded again reducing bandwidth.

Enable/Disable Scheduler toggles the scheduled material and puts player into lockdown mode with Fall Back Media. Used to over ride programming at a station that might be a source of complaint for controversial material. Disables the scheduler's request queue, so the core player loop will ignore any requests from the scheduler. The next highest priority request generator will take over. If a higher priority request comes in from the alert module, it will play the alert request.

The feature will only affect the scheduled content. It's not quite the same as disabling the scheduler module, since it will still sync media and attempt to schedule content, but it will be ignored by the core player as if the scheduler module was disabled.

Streaming Media



The screenshot shows the 'Streaming' configuration page in the OpenBroadcaster CFET Player Dashboard. The page is divided into several sections, each with a set of configuration options. The 'Streaming' tab is selected in the top navigation bar.

OpenBroadcaster CFET Player Dashboard

Navigation: Status | Summary | Admin | Sync/Media | Sources | Outputs | **Streaming** | Emergency Alerts | Location Map | HTTP(S) Admin | Live Assist

Enable Streaming

Audio Input Mode: InterSink

Icecast Streaming

Enable Icecast Streaming

Icecast Output Mode: Audio Only

Icecast Output Bitrate: Variable

Icecast IP: 127.0.0.1

Icecast Port: 8000

Icecast Mountpoint: CFET

Icecast Password: *****

Icecast Stream Name: CFET

Icecast Description: CFET Radio

Icecast URL:

Publicly List Icecast Stream

Play Stream on Startup

RTSP Server

Enable RTSP Server

RTSP Server Port: 8554

Audio Output Clock Rate: 48000 Hz

Allow RTSP Service Discovery

RTP/Livewire Streaming

Enable RTP Streaming

RTP Output Port: 5004

Multicast Address: 239.192.0.201

Audio Encoding Format: 24-bit PCM (Livewire)

Audio Clock Rate: 48000 Hz

Use RTCP?

YouTube Streaming

Enable YouTube Live Streaming

YouTube Streaming Key:

YouTube Output Mode: 240p

Save

Icecast Streaming

Main streaming mount point

Enable Streaming	<input checked="" type="checkbox"/>
Audio Input Mode	InterSink ▾
Icecast Streaming	
Enable Icecast Streaming	<input checked="" type="checkbox"/>
Icecast (One) Output Mode	Audio Only ▾
Icecast (One) Output Bitrate	Variable ▾
Icecast (One) IP	192.168.1.10
Icecast (One) Port	8000
Icecast (One) Mountpoint	CFET
Icecast (One) Password	●●●●●●●●
Icecast (One) Stream Name	
Icecast (One) Description	
Icecast (One) URL	
Publicly List Icecast (One) Stream	<input type="checkbox"/>
Play Streams on Startup	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> STL Settings	
RTSP Server	
Enable RTSP Server	<input type="checkbox"/>
RTSP Server Port	8554

Streaming of player output (audio and video) using Icecast

Audio Input Mode

- Intersink - Bypass processing and sends the source material direct to Icecast server
- Pulse Audio - Use this mode if you wish to fine tune input and output levels
- Alsa
- Jack
- OSS
- No Input

STL (Studio Transmitter Link)

Allows creating a separate feed at a different quality to be sent to a STL. ie Stream 1 sends to outside relay server at 128 KB while the STL Stream 2 sends to transmitter at 320K on internal network.

RTP Livewire Multicast Streaming

RTP/Livewire Streaming	
Enable RTP Streaming	<input checked="" type="checkbox"/>
RTP Output Port	<input type="text" value="5004"/>
Multicast Address	<input type="text" value="239.192.0.201"/>
Audio Encoding Format	24-bit PCM (Livewire) ▾
Audio Clock Rate	24-bit PCM (Livewire)
Use RTCP?	16-bit PCM
	Opus
	MP3

Send and receive AoIP to RTP devices and AXIA Digital Consoles.

Enable RTP Streaming

Specify the multicast address

Select Encoding Format; 24-bit PCM Livewire, 16-bit PCM, Opus and Mp3

YouTube Live Channel

YouTube Streaming

Enable YouTube Live Streaming



YouTube Streaming Key

YouTube Output Mode

240p v

240p

360p

480p

720p

Save

Create LIVE YouTube channel

1. Enable YouTube streaming
2. Enter your secret YouTube key to authenticate
3. `Output` Mode supports encoding rates 240p - 720p

Restart player and begin streaming!

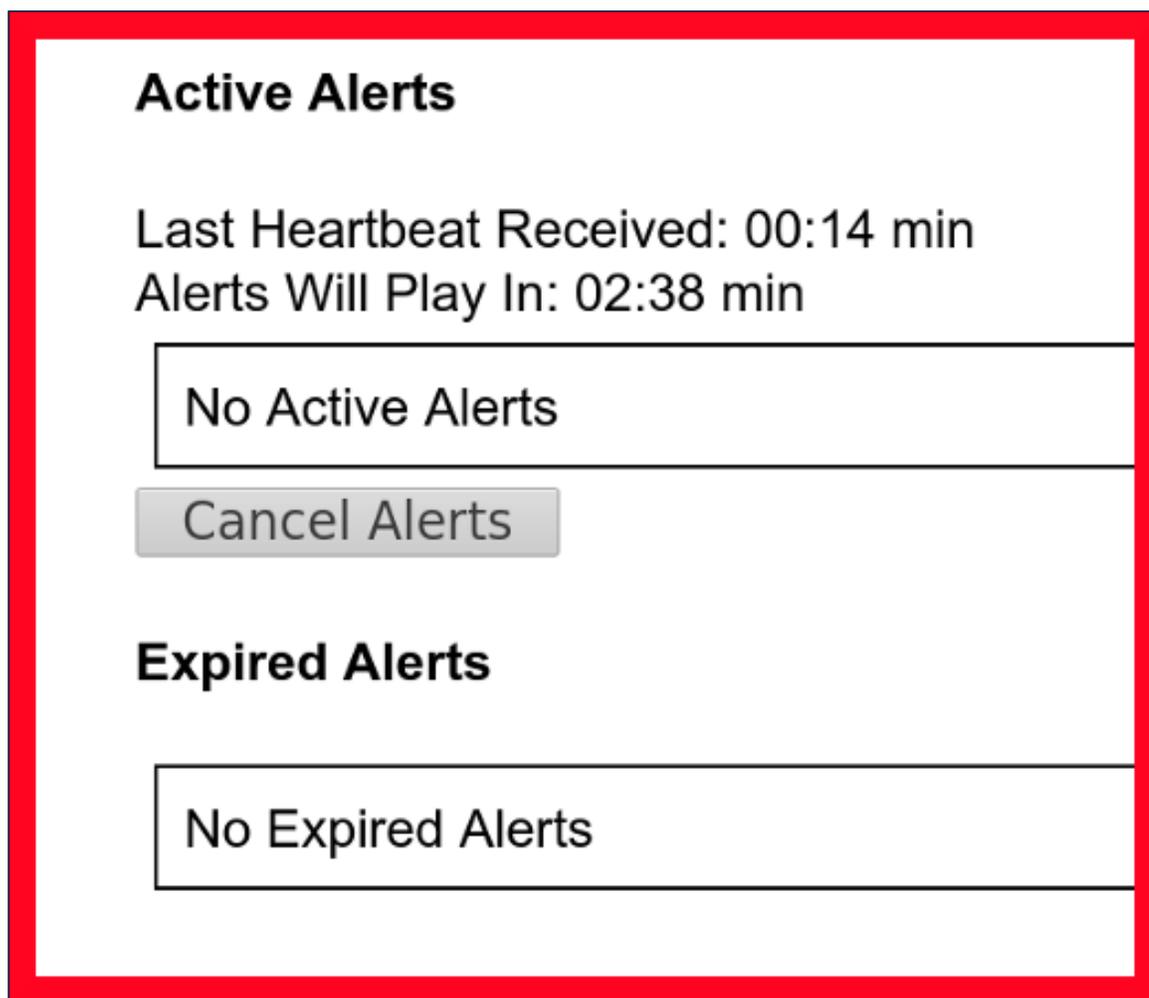
CAP Emergency Alert Player

Emergency messages issued from NAAD (Pelmorex) may be issued as a string of text, digital audio file and/or with an included graphic image. These will automatically be received and broadcast with our systems. In the event the attached alert is missing or corrupted, relayed from Environment Canada or issued using a text source, your system will play the audio using built in TTS(text-to-speech). For video installations it will also display a scroll along bottom of screen and/or a full screen red slide with descriptive text and accompanying audio alerts.

Alert messages will continue to broadcast at the *Alert Repeat Interval* until the Alert expiry time is reached or when the NAAD sends a command to terminate playing of message. Broadcast Intrusive alert messages are required to play at least once. To limit the number of repeats of an Alert message, it is possible to change this setting.

Please refer to the National Public Alerting System **Common Look and Feel Guidance Ver 2** (<https://www.publicsafety.gc.ca/cnt/mrgnc-mngmnt/mrgnc-prprdnss/npas/clf-lng-20-en.aspx>) for more detail on specifications and recommended practices relating to public alerts.

Heart Beats

A screenshot of a web interface for managing alerts, enclosed in a red border. The interface is divided into two sections: 'Active Alerts' and 'Expired Alerts'. Under 'Active Alerts', it shows 'Last Heartbeat Received: 00:14 min' and 'Alerts Will Play In: 02:38 min'. Below this is a text box containing 'No Active Alerts' and a grey button labeled 'Cancel Alerts'. The 'Expired Alerts' section shows a text box containing 'No Expired Alerts'.

Pelmorex sends out keep alive heart beats that our player monitors to ensure connectivity to receive alerts. A stable internet connection must be available to receive heart beats and CAP alert messages.

Pro Tip In the `Admin` menu set `Log Level` to only show heart beats and alerts.

Location Geocodes

In Canada, a **Standard Geographical Classification**

(https://en.wikipedia.org/wiki/Standard_Geographical_Classification_code_%28Canada%29) uses a numeric code to identify discrete areas, based on census districts. Alerts will be filtered to include only those that match, contain, or are contained by the set Alerting District.

© Mapbox (<https://www.mapbox.com/about/maps/>) © OpenStreetMap
(<http://www.openstreetmap.org/about/>)

CAP Alerts Configuration Page

OpenBroadcaster CFET Player Dashboard

Status Summary Admin Sync/Media Sources Outputs Streaming **Emergency Alerts** Location Map HTTP(S) Admin Live Assist

Enable Emergency Alerts

Location Geocode

Primary Language

Primary Voice (for TTS)

Secondary Language

Secondary Voice (for TTS)

Alert Repeat Interval (in minutes)

Plays Per Alert (0 = no limit)

Truncate Long Alert Messages

Play Moderately Severe Alerts

Advanced Settings

Purge Saved Alerts After 90 days

Trigger RS-232 DTR on Alerts

Trigger Icecast Stream on Alerts

Play Test Alerts

Lead-In Delay (in seconds)

Lead-Out Delay (in seconds)

NAAD Stream #1 URL

NAAD Stream #2 URL

NAAD Archive #1 URL

NAAD Archive #2 URL

Alerting System Tests

Test Alerts

Active Alerts

Last Heartbeat Received: 00:31 min
Alerts Will Play In: 23:51 min

Expired Alerts

Initial Setup

Emergency alerting dashboard is built into OBPlayer and configured in the dash board **Emergency Alerts**.

For initial setup, disconnect any USB audio device **before** powering up the unit, and use the internal green speaker/headphone jack to monitor audio output for testing. Do not setup and provision unit on air in a production environment until it is understood how it works.

Open the Dashboard to configure and ensure Emergency Alerts are enabled

Set Alerting Locale

A single **SGC Geocode** is required for your alerting locale. In the `Location Geocode` window, simply enter your region's name and a current list with the SGC code will display. Multiple region SGC geocodes may be used and separated by commas eg: "6001036,6001018" would play alerts for both Tagish AND Haines Junction. Entering "6001" would capture both districts, as well as any others in the immediate locale.

Set TTS (Text to Speech)

Select and configure `Primary` and `Secondary` Language options.

1. Onboard TTS - Mediocre quality at best (recommended to change on first setup)
2. ESpeak Mbrola Voices - Not much better quality as above, but an improvement. Select Language i.e. English then associate MB-en1 as primary language voice. Select ie French and primary voice of MB-fr1
3. AWS POLLY - Best possible solution for TTS. Sounds very natural. You'll need a key from AWS. There is a very small fee to use this service from AWS, approx 4.00 USD for one million characters. Select `Enable AWS POLLY` enter the API key into the AWS menu in `Admin`. Restart player. Go back to `Admin` and a selection of male and female voices are available to choose from. **AWS POLLY** (<https://aws.amazon.com/polly/>)

Advanced Settings

Enable Emergency Alerts	<input checked="" type="checkbox"/>
Country to receive alerts for	Canada ▾
Enable AWS Polly voices	<input type="checkbox"/>
Location Geocode	6001036
Primary Language	English ▾
Primary Voice (for TTS)	mb-en1 ▾
Secondary Language	French ▾
Secondary Voice (for TTS)	mb-fr1 ▾
Alert Repeat Interval (in minutes)	30
Plays Per Alert (0 = no limit)	0
Truncate Long Alert Messages	<input type="checkbox"/>
Play Moderately Severe Alerts	<input type="checkbox"/>
⊟ Advanced Settings	
Purge Saved Alerts After 90 days	<input checked="" type="checkbox"/>
Trigger RS-232 DTR on Alerts	<input type="checkbox"/>
Trigger Icecast Stream on Alerts	<input type="checkbox"/>
Play Test Alerts	<input type="checkbox"/>
Lead-In Delay (in seconds)	1
Lead-Out Delay (in seconds)	1
NAAD Stream #1 URL	http://streaming1.naad-adna
NAAD Stream #2 URL	http://streaming2.naad-adna
NAAD Archive #1 URL	http://capcp1.naad-adna.peli
NAAD Archive #2 URL	http://capcp2.naad-adna.peli
Total Broadcast Intrusive Alerts	0
Total Advisory Alerts	0
Total Self Generated Test Alerts	1
<input type="button" value="Save"/>	

Adjust the `Alert Repeat Interval` time between repeated plays of queued alert messages. Setting this value to 0 will cause an alert message to play until the Expiry time stated within that message has passed

Use the `Play Moderately Severe Alerts` setting to enable optional, non-broadcast intrusive alert messages, if desired. Provides a setting to `Truncate Long Alert Messages` to shorten long alert messages to include only the first section To play the entire CAP alert, including the entire lengthy description, disable the `Truncate Long Alert Messages` setting .

Provides an override to `Play Moderately Severe Alerts` that do not have a Broadcast Immediate status

`Trigger Icecast Stream on Alerts` creates an on demand mountpoint

`Lead in/Out times` used with a streaming service to allow entire message to not get cut off while buffering

`Play Test Alerts` These are not scheduled test of the alert systems, but internal system test not normally heard by public (Default = Off) Note: These alerts are not related to scheduled tests from Pelmorex.

`Purge Saved Alerts` after 90 days will free up your disk space, even more of a concern now with the large multimedia attachments being sent along with the CAP message.

`GPIO Trigger` to issue a DTR serial signal upon commencement of CAP-CP Alerts. When an alert cycle starts, the serial port will be opened and the DTR control signal (positive pin voltage) will be transmitted. After the alert cycle has completed, the DTR signal will drop (negative pin voltage).

`Lead-in and Lead-out delay` timings may be adjusted to prevent 'clipping' of messages.

`Trigger Icecast Alerts` is used to generate an on demand Icecast mountpoint.

`Logging of Alerts` shows the count of played alerts; broadcast intrusive, moderate advisories and self generated tests. This can also be downloaded from the `Admin` main menu.

Injecting Alerts into the broadcast chain

Every station is setup different with several ways to inject audio and visual alerts into the broadcast chain. CAP alerts are received and authenticated by the standalone alert player and put into the broadcast chain each with their own merits, listed below in no particular order.

Audio

When an alert is received, audio is sent out for your systems to receive in several ways. Generally there is no audio present unless a message is being issued; either a valid CAP message, Pelmorex test message or when a internal test alert is issued.

- Onboard analog stereo 1/8" mini output using Realtek ALC888S codec. Audio present only when a valid CAP message is being broadcast.
- GPIO trigger reverses DTR voltage on pin 4 using RS232 DB9 when CAP message is played to switch an **External relay** (<http://support.openbroadcaster.com/Accessories#mechanical-rs232-switching-relay>).
- Using **BARIX exstreamer** (<http://support.openbroadcaster.com/player#cap-alerts-with-barix-exstreamer>) at transmitter to listen to a priority port of incoming stream of CAP message
- Configuring ICECAST server to detect new mount point of on demand stream
- Silence Detection using external third party hardware used to sense audio coming out of the Alert Player and mechanically switch a relay on your board.
- Windows playout machine may use free Silence Detection software from **Pira CZ Silence Detector** (<http://pira.cz/>) to switch broadcast audio source when CAP message is played.
- Integrating to AXIA Digital AOIP Consoles to sense an on demand Livewire stream of CAP message in conjunction with the Qor's GPIO to switch channels on the console while EAS is in progress and switch back.

CAP Alerts with Barix Exstreamer

OBPlayer creates an on demand IceCast mount point when an alert is present with a Barix Exstreamer receiver at transmitter to play CAP alerts. Stations normally will be supplying audio to Exstreamer at transmitter. Barix will be configured to detect and automatically switch to the generated alert mount point the new mount point stream, cut over and play alert, switch back to normal programming when alert stops.

Prerequisites

In order to make the priority streaming work, so that OBPlayer only outputs the alerts and nothing else; disable the scheduler, fallback player, audio in, and the test signal.

Configure OBPlayer

Streaming Page Create a mount point on local machine's IceCast server. Exstreamer will switch to the generated alert mount point and switch back when it stops. There is a minor delay in the switching with Barix Exstreamer. Set the lead-in delay to 1 second and the lead-out delay to 5 seconds to catch the whole alert cycle without having too much delay before and after.

Barix Configuration Set the first URL as priority for the alert stream. Second URL is set to the normal stream coming from the studio.

When a CAP message matches your region, a mount point will be temporarily created, overriding your studio. When the alert is finished playing, normal programming from your studio will resume.

GPIO Audio Relay

If using the GPIO switching Relay, connect a serial cable from the Player to the Switching Relay. On the Emergency Alerts tab, under Advanced Settings, enable the RS-232 DTR Alert signal.

Visual

Applicable for; over the air TV, Cable TV and digital signage applications. Normal visual content will be displayed. When there is a valid CAP alert, a red scrolling overlay will display the text of message with accompanying audio of the alert. Graphics sent as attachments will display full screen if present.

- Onboard local video with (HDMI\DP\DSUB) where an overlay will be displayed when a valid CAP message is being broadcast.
- GPIO trigger on pin 4 using RS232 DB9 when CAP message is played to switch CATV channel on digital cable head end.
- Configuring ICECAST server to detect new mount point of on demand stream

Test Alerts

We offer several ways to test and set levels.

Self Generated Test Alerts

To confirm that Alert messages are working correctly, select one of the four sample valid CAP messages:

1. Simple Test. Generates an internal CAP formatted message and plays using TTS
2. Embedded Audio Test. Generates an internal CAP message and plays a supplied MP3 file instead of TTS.
3. External Audio Test. Generates an internal CAP alert message, fetches and plays a test MP3 file from Pelmorex.
4. Embedded Audio and Image Test. Generates an internal CAP test the displays a JPG image and plays audio recording. Requires 'Moderately Severe Alerts' to be enabled.

Click `Inject` to add the message to the Active Alerts queue; a 20 second countdown begins. If another incoming message is received, the countdown timer is reset at 20 seconds. Once the countdown reaches 0 secs, queued messages will play through the active audio output and can be observed in real time on the player's main `Status Page` displaying the current state of the Player with live display of system events.

Pro Tip Try different text-to-speech voices when testing alerts, before placing on air.

Scheduled Testing

In Canada, national tests are done every 6 months. Contact **Alert Ready** (<https://www.alertready.ca/>) for more info on scheduled testing.

Ad Hoc LIVE testing

It is possible to monitor and receive real alerts by entering high level SGC geocodes for provinces (Atlantic Canada=1; Quebec=2; Ontario=3; Prairies=4; British Columbia=5; Northern Canada=6) and test with moderate advisories.

Enable the `Play Moderately Severe Alerts` setting to receive and play additional warning messages.

Set your levels, testing and be sure to reset the Location Geocode back for your specific alerting locale before proceeding to **Production Operation**.

Pro Tip `Admin` Menu has a button to export a text log of all Broadcast Intrusive messages ever played on your alert player

Indigenous Alerts

Experimental Features

<input type="checkbox"/> Advanced Settings	
Show Sync Tab	<input checked="" type="checkbox"/>
Show Streaming Tab	<input checked="" type="checkbox"/>
Show Alerts Tab	<input checked="" type="checkbox"/>
Show Location Tab	<input checked="" type="checkbox"/>
Show LiveAssist Tab	<input checked="" type="checkbox"/>
AWS access key ID	<input type="text"/>
AWS secret access key	<input type="text"/>
AWS region name	<input type="text" value="Oregon"/>
<input type="checkbox"/> Experimental Settings	
Show Indigenous Alert settings	<input type="checkbox"/>
Show Alert Lead-in settings	<input type="checkbox"/>
Show Station Remote Override settings	<input type="checkbox"/>
Show SSL settings	<input type="checkbox"/>
Show SDR streaming/logging settings	<input type="checkbox"/>
enable News feed override (file drop playback)	<input type="checkbox"/>
<p>To ensure all Experimental features work, please make sure all dependencies are met.</p> <p>More info</p>	
<input type="button" value="Save"/>	

Use these at your own risk for experimenting with of new features that are not recommended for production environments. Enable the feature from `Admin` advanced menu and restart player.

More info about experimental features is found **Here**

(<https://wiki.openbroadcaster.com/Experimental>)

Feedback

Find a **bug** (<https://github.com/openbroadcaster/obplayer/issues/new>)? Have a **feature request** (<https://github.com/openbroadcaster/obplayer/issues/new>)?

We really appreciate your feedback!

Open Server Bugs

No open issues

Open Player Bugs

16 - LA with Line In not switching to Fall Back Media

