

OpenBroadcaster



Installation

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BEFORE YOU BEGIN

This guide will assist in the initial setup of both OBPlayer and OBServer backend application infrastructure. Once these applications are setup and running, proceed to the **Quick Start** (<https://support.openbroadcaster.com/quick-start/>) for provisioning instructions.

Minimum System Requirements

OBServer

Item	Description
Processor	1GHz 64 bit CPU. ARM, Intel or Pi
Memory	4GB of RAM
Storage	128GB
Display	No display is required for the web server
Framework	PHP, MySQL, Nginx and Gstreamer
Recommended.	Should be a *nix system. Debian 10+, Raspberry PI OS or Ubuntu-Server/Desktop 22.04/24.04

OBPlayer

Item	Description
Processor	1GHz 64 bit CPU. ARM, Intel or Pi
Memory	4GB RAM
Storage	128GB
Display	None required unless displaying Video or Images
Audio	Analog Input\Output, USB Interfaces or Digital HDMI\DisplayPort
Video	Minimum 640x480 screen resolution
Framework	Python and Gstreamer
Recommended.	Should be a *nix system. Debian 10+, Raspberry PI OS or Ubuntu-Server/Desktop 22.04/24.04

Compatible Hardware (<https://support.openbroadcaster.com/accessories#supported-hardware>)

ALSA Supported Soundcards (<https://www.alsa-project.org/main/index.php/Matrix:Main>)

1. Install OBServer

OpenBroadcaster - Server Installation Instructions

Dependencies

```
A web server with a web environment available (e.g., Apache, Nginx)
PHP 8.2 or higher
MySQL or MariaDB database server
Composer (PHP dependency manager)
Node.js and npm (Node Package Manager)
```

Required PHP Modules

Make sure the following PHP modules are installed and enabled:

```
mysql (for MySQL database connectivity)
mbstring (for multi-byte string handling)
xml (for XML parsing)
gd (for image manipulation)
curl (for making HTTP requests)
imagick (for advanced image processing)
```

Required Packages

Install the following Ubuntu / Debian packages, or the equivalent for your operating system.

```
festival (for text-to-speech functionality)
imagemagick (for image manipulation)
ffmpeg (for audio/video processing)
libavcodec-extra (extra codecs for ffmpeg)
libavfilter-extra (extra filters for ffmpeg)
vorbis-tools (for Ogg Vorbis audio encoding)
```

Installation Steps

Copy the OpenBroadcaster Server files to your web server's document root directory.

Navigate to the cloned repository directory within the web document root and run the following command to install PHP and JavaScript dependencies.

```
composer install && npm install
```

Create a new MySQL or MariaDB database for OpenBroadcaster and import the db/clean.sql file to set up the initial database structure.

Copy the config.sample.php file to config.php and open it in a text editor. Set the required configuration items, such as database connection details and other settings specific to your environment.

Run the following command to validate your configuration file. Correct any errors displayed in red.

```
tools/cli/ob check
```

Run the following command to install database updates. This may take a few minutes to complete.

```
tools/cli/ob updates run all
```

Set the password for the default admin user by running the following command. Enter a secure password when prompted.

```
tools/cli/ob passwd admin
```

Set up a cron job to run the cron.php script regularly. This script is responsible for clearing old cache and unused upload files. The following is an example crontab entry.

```
*/30 * * * * /path/to/openbroadcaster/tools/cli/ob cron run
```

Source: Install.txt (<https://github.com/openbroadcaster/observer/blob/v5.3.3/INSTALL.md>)

Web Updates

Command Line Tool

```
20210312    Clear and update show cache table.
20220704    Rename old schedules tables, add underscore for deprecated/old
            tables.
20221010    Rename old emergencies tables. Rename emergency broadcasts
            permission. Rename parent emergency field in players table.
20221026    Add table for user data storage.
20221028    Add uniqueness constraint to combined user ID and name for users
            storage.

11 installed    40 pending
obsuser@observer:/var/www/observer$ tools/cli/ob
OpenBroadcaster CLI Tool (alpha). Run ob <command>.

Commands:
check                check installation for errors
cron run             run scheduled tasks
updates list         list available updates
updates run          run available updates
passwd <username>    change password for user
obsuser@observer:/var/www/observer$ tools/cli/ob updates run
Update 20200208 installed.
Update 20200220 installed.
Update 20200622 installed.
```

CLI Running Updates

```
ob@observer:~/www$ php tools/cli/ob.php
OpenBroadcaster CLI Tool (alpha). Run ob.php <command>.

Commands:
check      check configuration for errors
ob@observer:~/www$ php tools/cli/ob.php check
PHP Version           PHP v8.0.25 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.

Composer              Vendor directory found. Run "composer install" to
                      ensure all required packages are installed.

Node Package Manager (NPM) Node package directory found. Run "npm install" to
                      ensure all required packages are installed.

Database Privileges    Found all necessary privileges.
Database Version       Database version found: 20221028.

14 pass      0 warnings      0 errors
ob@observer:~/www$
```

CLI Check without errors

CHECK FOR **UPDATES** Prior to reporting issues to ensure the most current version is running

Advanced Configuration

Toubleshooting Guide (<https://support.openbroadcaster.com/troubleshooting#post-installation-observer-troubleshooting>)

Web Server

Assuming your DNS is configured, you should be able adjust ob.apache.conf to your system and copy it to the appropriate spot for your machine, restart apache, and browse to //Your_IP/ to access your server. Login in with username admin and the password you set for the Admin user.

2. Install OBPlayer

OBPlayer Installation Instructions

1. See dependencies.txt for player dependencies (Debian 10/Ubuntu 20.04 & above)
2. Run "bash obplayer_check" or "bash obplayer_loop" or "bash obplayer_check -h" for help
3. Config files settings.db generated on first run in ~/.openbroadcaster
4. Admin panel http://<IP_of_Player>:23233 default user = admin default password = admin
5. Configure tabbed menus
6. Restart the player

NOTE: User required to change login passwords on first login using the defaults.

Connect RJ45 to a network with a router handing out DHCP IP addresses.

For advanced instructions see <https://support.openbroadcaster.com/install>

Source: install.txt (<https://github.com/openbroadcaster/obplayer/blob/main/install.txt>)

Dependencies

```
ntp python3 python3-pycurl python3-openssl python3-apsw python3-magic python3-dateutil python3-requests python3-gi python3-gi-cairo gir1.2-gtk-3.0 gir1.2-gdkpixbuf-2.0 gir1.2-pango-1.0 python3-gst-1.0 gir1.2-gstreamer-1.0 gir1.2-gst-plugins-base-1.0 gir1.2-gst-rtp-server-1.0 gstreamer1.0-tools gstreamer1.0-libav gstreamer1.0-alsa gstreamer1.0-pulseaudio gstreamer1.0-plugins-base gstreamer1.0-plugins-good gstreamer1.0-plugins-bad gstreamer1.0-plugins-ugly ffmpeg
```

Ubuntu

```
ubuntu-restricted-addons ubuntu-restricted-extras
```

Extras (not installed with Apt)

Needed for SSL dashboard

```
pip3 install passlib[bcrypt]
```

Needed in case it wasn't installed with Apt

```
pip3 install apsw
```

Recommended for CATV Video Playout

```
gststreamer1.0-vaapi mesa-vdpau-drivers
```

CAP Alerting onboard TTS

```
espeak mbrola mbrola-en1 mbrola-us1 mbrola-us2 mbrola-us3 mbrola-fr1 mbrola-fr4
```

POLLY AWS Voices in the alerts module

```
pip3 install boto3
```

RS-232 trigger option in the alerts module

```
python3-serial
```

Sharing multiple OBPlayers with a local media library

```
cifs-utils
```

Better

```
autofs
```

Command Line tool for PulseAudio

```
pip3 install pulsectl
```

Off-air audio log and SDR FM Receiver USB Dongle

```
pip3 install pyrtlsdr
```

Include if using the news feed override

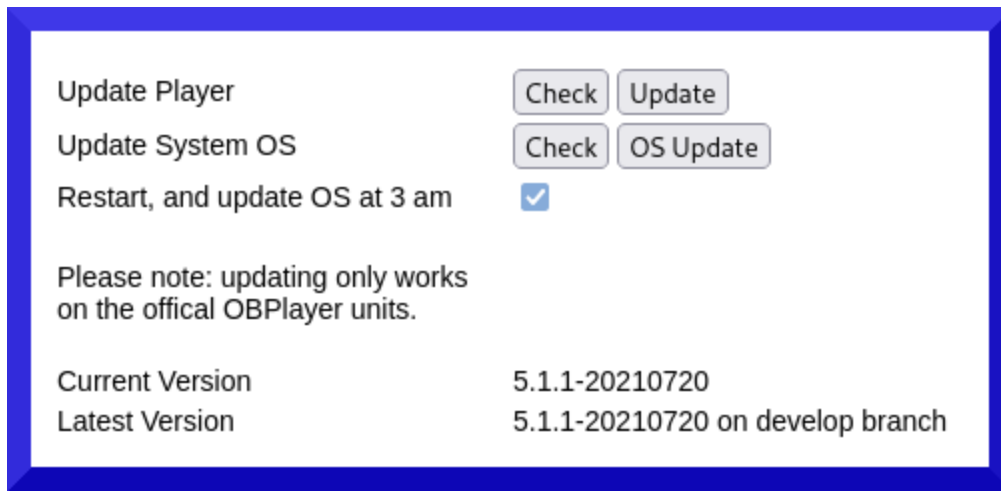
```
pip3 install inotify
```

Note: pip3 pkg not included in apt-get; must be installed using pip3

Web Updates

NOTE *Utilities for displaying current version and updating the Player are on the Admin Page of the **Dashboard**.*

Updating the software ensures the most current version of the application is running. To obtain and install updates, click the Update button in the dashboard Admin menu. After updating the Player, restart the Player to the load changes to the Dashboard.



Player is up to date

Advanced Configuration

Toubleshooting Guide (<https://support.openbroadcaster.com/troubleshooting#post-installation-obplayer-troubleshooting>)

Example Installation

Open Terminal and from your home directory run:

```
mkdir /usr/share/obplayer
```

Then go to this directory

```
cd /usr/share/obplayer
```

In the empty target/installation directory run

```
sudo git clone https://github.com/openbroadcaster/obplayer.git ./
```

Defaults to Main Branch

Change Branch during install

```
sudo git clone -b develop https://github.com/openbroadcaster/obplayer.git ./
```

Example using -b (develop branch)

2FA (2 Factor Authentication)

You'll need to have a key setup on target machine and run

```
git clone git@github.com:openbroadcaster/obplayer.git
```

or


```
git clone -b develop git@github.com:openbroadcaster/obplayer.git
```

OBPlayer is now setup with latest code ready to use

Running OBPlayer for first time

From the install directory **EG** /usr/share/obplayer

```
bash obplayer_check
```

or

```
bash obplayer_loop -d
```

using -d (debug) displays useful start up info

TechTip Resetting Lost or Admin passwords cannot be retrieved easily. Config files containing user and machine settings are located in the hidden ~/.openbroadcaster folder within the users home directory. To reset admin or lost passwords may be recovered by editing the sqlite DB file settings.db or simply deleting it and restarting obplayer. On restart obplayer will recreate this DB with default values and prompts for new passwords.

Feedback

Find a bug? Want to request a feature? Submit your issue to **OBServer** (<https://github.com/openbroadcaster/observer/issues/new>) or **OBPlayer** (<https://github.com/openbroadcaster/obplayer/issues/new>)

Have some Gstreamer, PHP or Python coding skills? Help **Contribute** (<https://github.com/openbroadcaster/.github/blob/main/docs/CONTRIBUTING.md>) and **Sponsor** (<https://github.com/sponsors/openbroadcaster>) to make the OpenBroadcaster community even better

We really appreciate your feedback!

OBServer Advisories

No OBServer Security Issues

OBPlayer Advisories

No OBPlayer Security Issues

Open Server Bugs

124 - Double clicking media item, show details or editing PL, loses the work in progress.

Open Player Bugs

147 - Live Assist playlist can cause dead air when no host intervenes

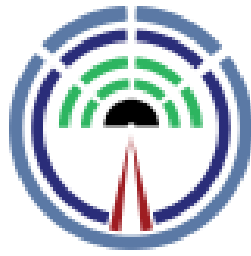
127 - LA Cannot Advance up, stuck at Break Point

126 - LA Missing > indicator after pressing Hot Button

16 - LA not switching to Fall Back Media

Made by OpenBroadcaster.

With ♥ from Friends of Cake



OpenBroadcaster



Quick Start Guide

- **Server**
 - Upload Media
 - Create Default Playlist
 - Create The Player
- **Player**
 - Provision The Player
 - Sync the Player to Server
- **Advanced**
 - Search Media
 - Schedule a Show

Preamble instructions

This quick start guide will help you get media playing on a OBPlayer box managed by a OBSERVER. For instructions on setting up the OBSERVER and OBPlayer see this **installation** (<https://support.openbroadcaster.com/install>) guide first.

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 (/observer/#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

Player Manager

New Player

ID	Name	Description	Status
2	CFET 106.7 FM	Tagish	Version: 4.1.2-20160903 All: 2016-09-19 23:07:07 Schedule: 2016-09-19 23:07:07 Priority: 2016-09-19 23:05:36 Media: 2016-09-19 17:08:26 Playlog: 2016-09-19 23:06:48

Settings

Name:

CFET 106.7 FM

Description:

Tagish

Parent Player:

None

IP Address:

Password:

(enter new password to reset)

Media Types:

☒ Audio*
☐ Images*
☐ Video*
☒ Line-In

* affects dynamic selections only

Timezone:

(GMT-08:00) Pacific Time (US & Canada)

Default Playlist:

x The Griz Rocks!

Station IDs:

x Angle - CFET & CJHJ Station ID
 x Blues at the Junction - CFET BATJ

account
media
playlists
schedules
admin
help

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**

(<https://support.openbroadcaster.com/obplayer/#administration>)

Go to Sync Media Tab

'Enable The Scheduler' so the player tries to check managing server


1. Device ID generated in Player Manager
2. Password with the password you enter in server
3. Sync URL

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

For initial testing set Media Sync Mode to Remote

SCREEN SHOT Enable Scheduler

Sync the Player to Server

Status	Summary	Admin	Sync/Media	Sources	Outputs	Streaming	Emergency Alerts	Location Map	HTTP(S) Admin	Live Assist
<div> <div> Show Current Time: 19:37:11 Uptime: up 1 week, 7 hours, 10 minutes Show Type: standard Show ID: 337 Show Name: Blast From The Past Show Description: Oldies Last Update: 13:36:58 </div> <div> Audio Stream Media Type: audio Order #: 23 Media ID: 22729 Media Artist: Stevie Wonder Media Title: Nothing's Too Good For My Baby Media Duration: 02:40 Scheduled End: 19:39:39  </div> <div> Visual Stream Media Type: Order #: Media ID: Media Artist: Media Title: Media Duration: Scheduled End: </div> </div>										
Logs Log Level: Normal Downloads <pre> [Sep 20 2016 02:36:49 UTC] [module] loading module player [Sep 20 2016 02:36:49 UTC] [module] loading module httpadmin [Sep 20 2016 02:36:50 UTC] [module] loading module alerts [Sep 20 2016 02:36:50 UTC] [admin] serving http(s) on port 23233 [Sep 20 2016 02:36:50 UTC] [module] loading module fallback [Sep 20 2016 02:36:50 UTC] [module] loading module linein [Sep 20 2016 02:36:50 UTC] [module] loading module scheduler [Sep 20 2016 02:36:50 UTC] [data] restoring database from file [Sep 20 2016 02:36:50 UTC] [data] done restoring database [Sep 20 2016 02:36:50 UTC] [sync] sending player version to server: 4.1.2-20160903 [Sep 20 2016 02:36:50 UTC] [sync] fetching show data from server [Sep 20 2016 02:36:50 UTC] [module] loading module streamer [Sep 20 2016 02:36:51 UTC] [scheduler] loading show 2355 [Sep 20 2016 02:36:51 UTC] [scheduler] starting at track number 22 [Sep 20 2016 02:36:51 UTC] [player] now playing track 23: Marvin Gaye - Sexual Healing (id: 23182 file: 23182-Marvin_Gaye-Sexual_Healing.ogg) [Sep 20 2016 02:36:51 UTC] [player] resuming track at 232.49239659309387 seconds. [Sep 20 2016 02:36:53 UTC] [alerts] connected to alert broadcaster at streaming1.naad-adna.pelmorex.com:8080 [Sep 20 2016 02:36:54 UTC] [sync] writing data to database [Sep 20 2016 02:36:54 UTC] [data] backup database to disk [Sep 20 2016 02:36:54 UTC] [data] done backing up [Sep 20 2016 02:36:54 UTC] [warning] server did not report a version number [Sep 20 2016 02:36:59 UTC] [player] now playing track 24: Stevie Wonder - Nothing's Too Good For My Baby (id: 22729 file: 22729-Stevie_Wonder) [Sep 20 2016 02:36:59 UTC] [player] resuming track at 0.031098604202270508 seconds. </pre>										

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. Enter the date and times parameters and 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 (/troubleshooting)**

Feedback

Find a bug? Want to request a feature? Submit your issue to **OBServer** (<https://github.com/openbroadcaster/observer/issues/new>) or **OBPlayer** (<https://github.com/openbroadcaster/obplayer/issues/new>)

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127 - LA Cannot Advance up, stuck at Break Point

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16 - LA not switching to Fall Back Media

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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)**
 - **POLLY AI Voices**
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 - **Audio**
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 - **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. 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 as a standalone player. OBPlayer can also be managed by a OBServer reviewed **Quick Start (/quick-start)**.

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 hardware 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 OBrowser.

Main Status

OpenBroadcaster CFET Player Dashboard

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

Show	Audio Stream	Visual Stream
Current Time: 14:35:43	Media Type: audio	Media Type:
Uptime: up 12 weeks, 13 hours, 19 minutes	Order #: 10	Order #:
Show Type: standard	Media ID: 122125	Media ID:
Show ID: 300	Media Artist: Kelly Fraser	Media Artist:
Show Name: Canadian Show	Media Title: Taimantitit	Media Title:
Show Description: All Canadian Music	Media Duration: 03:42	Media Duration:
Last Update: 02:07:32	Scheduled End: 14:38:17	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 0.03687429428100596 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-Slop_Messin_Around.ogg from local
[Jun 16 2020 21:22:22 UTC] [sync] copying 92435-Blue_Myster_Cull-Screams.mp3 from local
[Jun 16 2020 21:22:22 UTC] [sync] copying 40506-The_Rolling_Stones-I_Got_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 playlist with 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: Aborigine_Dig your Roots Hip Hop - The Now (id: 34578 file: 34578-Aborigine_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: 47840 file: 47840-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 48691-Chicago-South_California_Purple.mp3 from local
[Jun 16 2020 21:34:34 UTC] [player] now playing track 11: Kelly Fraser - Taimantitit (id: 122125 file: 122125.mp3 duration: 222.511s type: 'audio' source: scheduler)
[Jun 16 2020 21:34:34 UTC] [player] resuming track at 0.11199736595153909 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 playout 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

The screenshot shows the 'Admin' tab selected in the OpenBroadcaster CFET Player Dashboard. The dashboard has a top navigation bar with tabs: Status, Summary, Admin (selected), Sync/Media, Sources, Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin, and Live Assist. The main content area is divided into two sections: 'Advanced Settings' and 'Experimental Settings'. The 'Advanced Settings' section includes checkboxes for 'Show Sync Tab', 'Show Streaming Tab', 'Show Alerts Tab', 'Show Location Tab', and 'Show LiveAssist Tab', all of which are checked. Below these are input fields for 'AWS access key ID', 'AWS secret access key', and a dropdown menu for 'AWS region name' set to 'Oregon'. The 'Experimental Settings' section includes checkboxes for 'Show Indigenous Alert settings', 'Show Alert Lead-in settings', 'Show Station Remote Override settings', 'Show SSL settings', 'Show SDR streaming/logging settings', and 'enable News feed override (file drop playback)', all of which are unchecked. Below these settings is a 'More info' link. At the bottom of the dashboard, there are several action buttons: 'Save', 'Delete data.db and Restart' (with a 'Restart' button), 'Import Settings' (with an 'Import' button and a 'Browse....' button showing 'No file selected.'), 'Export Settings' (with an 'Export' button), 'Export Alert log' (with an 'Export' button), 'Reset To Defaults and Restart' (with a 'Restart' button), 'Update Player' (with 'Check' and 'Update' buttons), and 'Current Version' (5.0.0-20190826).

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 includes a navigation bar with tabs: Status, Summary, Admin, Sync/Media, Sources, Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin, and Live Assist. The main content area is divided into four sections: Audio Output Settings, Video Output Settings, Video Overlay Settings, and LED Sign Settings. A 'Save' button is located at the bottom left of the settings area.

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') [Volume Slider] [Mute] [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:

[Save]

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 a navigation bar containing tabs: Status, Summary, Admin, Sync/Media, Sources (selected), Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin, and Live Assist.

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: ☐

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. .

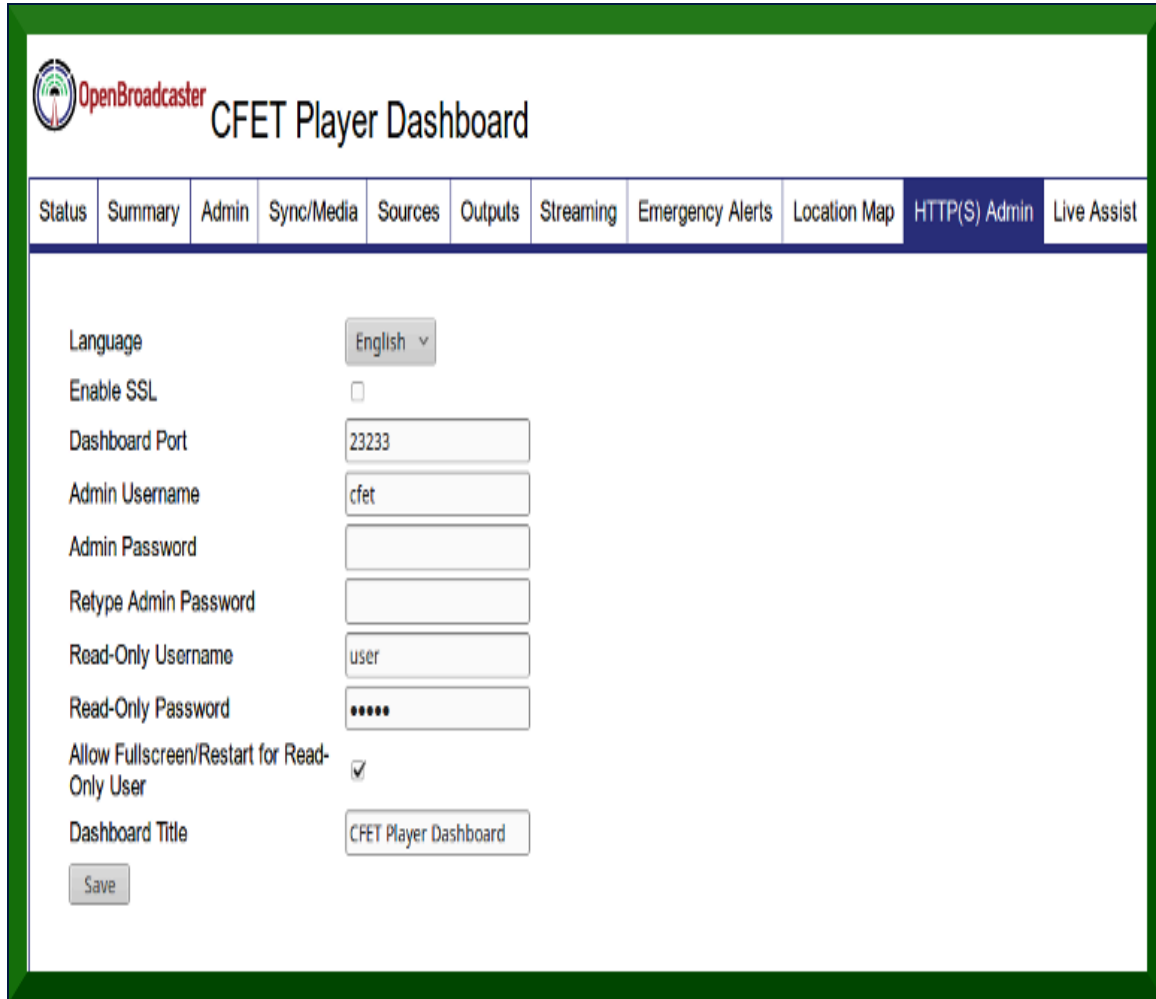
Silence/Signal Threshold (dB) When to trigger switch over for detecting line in

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 'HTTP(S) Admin' tab of the 'CFET Player Dashboard'. The dashboard has a green border and a navigation bar with tabs: Status, Summary, Admin, Sync/Media, Sources, Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin (selected), and Live Assist. The main content area contains the following settings:

Language	English ▾
Enable SSL	<input type="checkbox"/>
Dashboard Port	23233
Admin Username	cfet
Admin Password	<input type="password"/>
Retype Admin Password	<input type="password"/>
Read-Only Username	user
Read-Only Password	*****
Allow Fullscreen/Restart for Read-Only User	<input checked="" type="checkbox"/>
Dashboard Title	CFET Player Dashboard

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

Set Global language

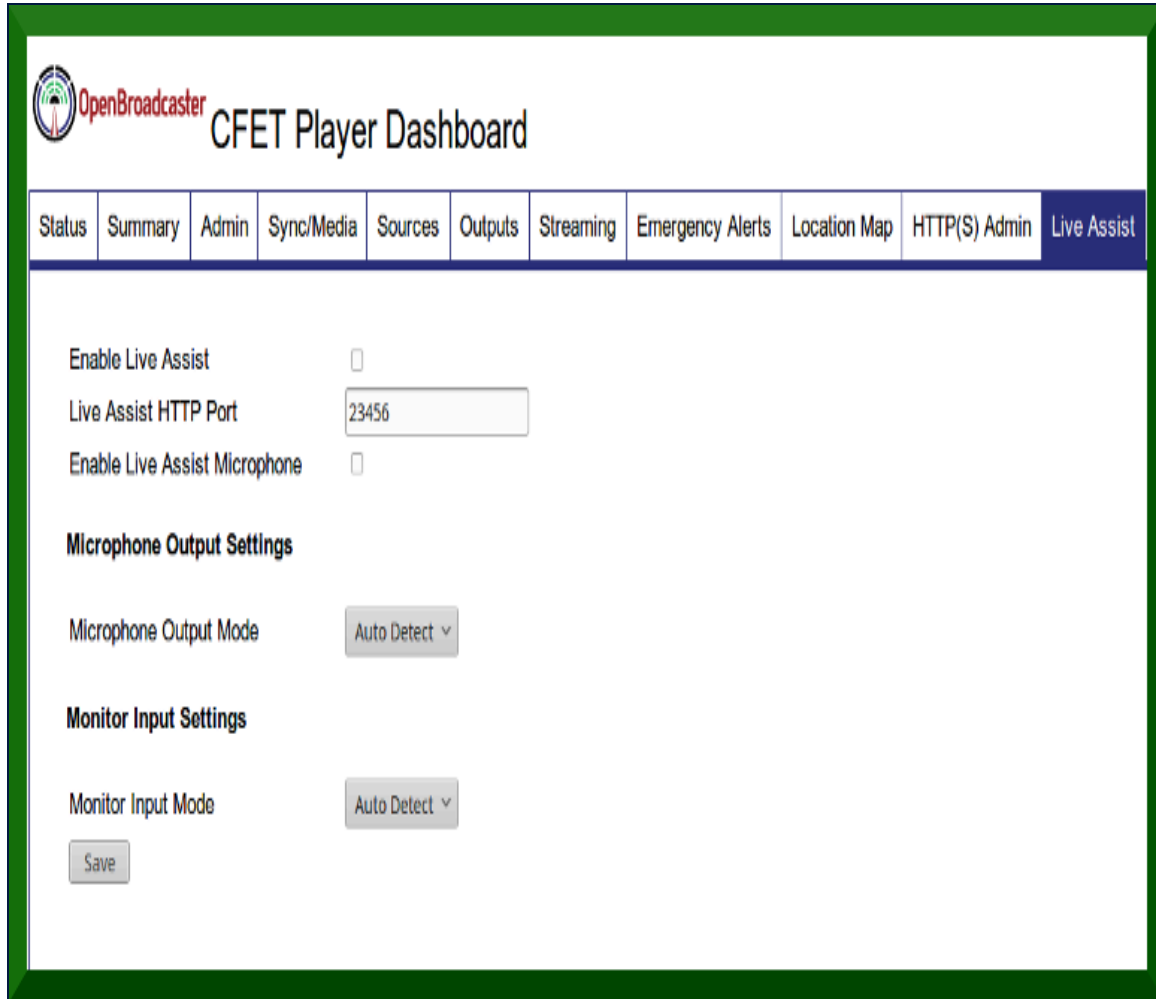
Change Admin user password

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



The screenshot shows the OpenBroadcaster CFET Player Dashboard. At the top left is the OpenBroadcaster logo. The title "CFET Player Dashboard" is centered. Below the title is a navigation bar with tabs: Status, Summary, Admin, Sync/Media, Sources, Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin, and Live Assist. The "Live Assist" tab is selected and highlighted in blue. The main content area contains the following settings:

- Enable Live Assist**: A checkbox that is currently unchecked.
- Live Assist HTTP Port**: A text input field containing the value "23456".
- Enable Live Assist Microphone**: A checkbox that is currently unchecked.
- Microphone Output Settings**: A section header.
- Microphone Output Mode**: A dropdown menu currently set to "Auto Detect".
- Monitor Input Settings**: A section header.
- Monitor Input Mode**: A dropdown menu currently set to "Auto Detect".
- Save**: A button at the bottom left of the settings area.


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** (<https://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
--------	---------	-------	------------	---------	---------	-----------	------------------	--------------	---------------	-------------

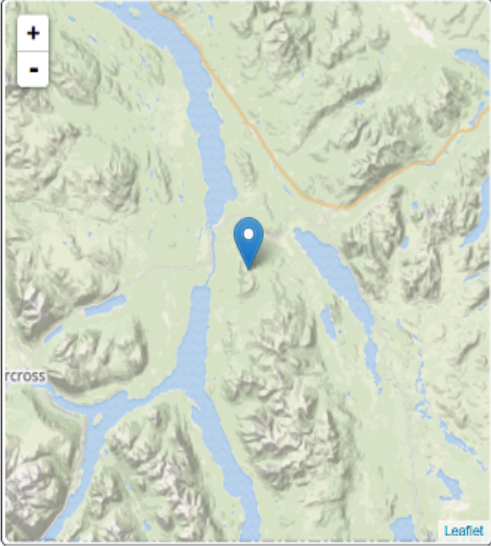
Enable Map Display ☐

Device Location (use decimal degrees)

Longitude

Latitude

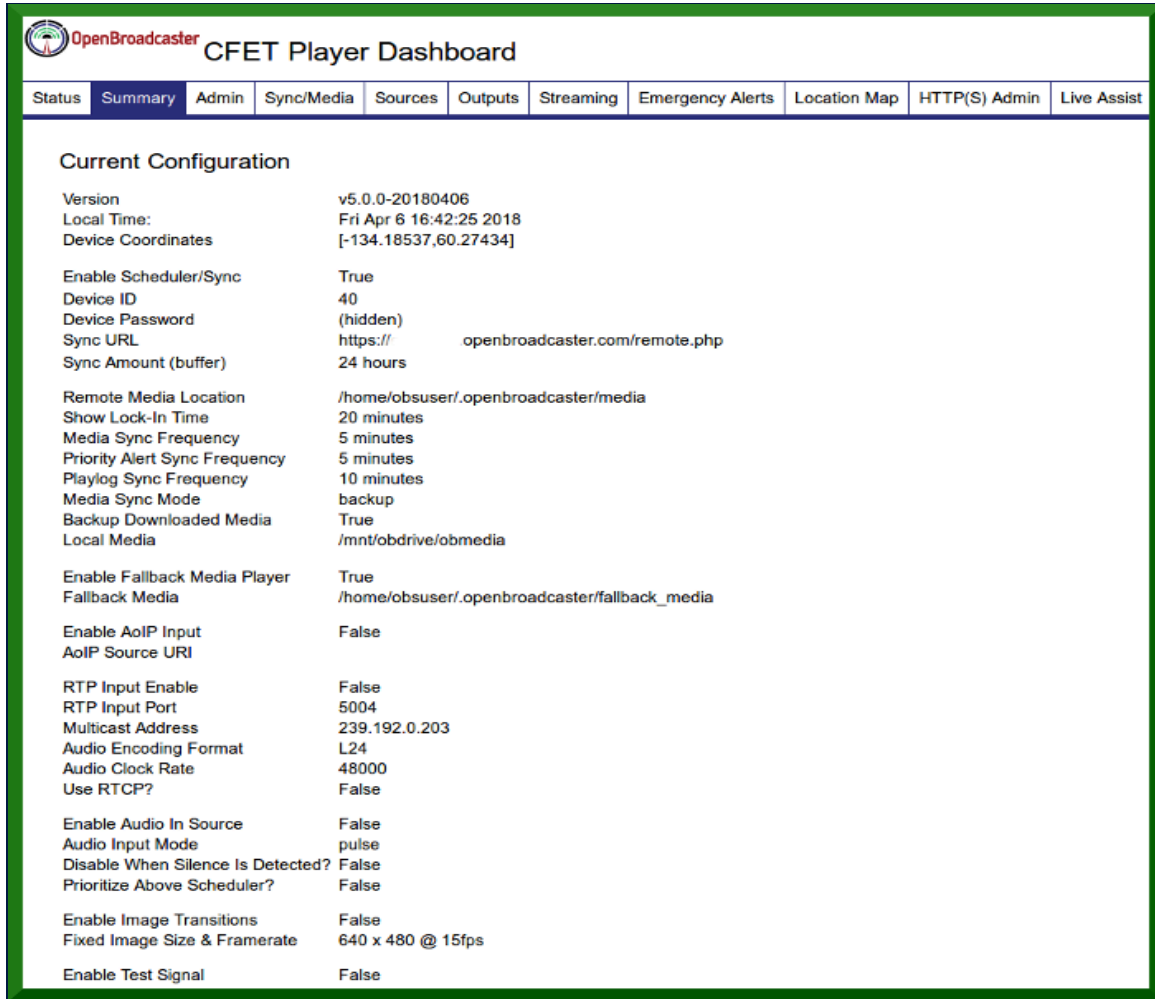
Save



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 (Imapping)** Module.

Summary Page



The screenshot shows the 'Summary' tab of the OpenBroadcaster CFET Player Dashboard. The dashboard has a green border and a white background. At the top, there is a navigation bar with tabs: Status, Summary (selected), Admin, Sync/Media, Sources, Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin, and Live Assist. Below the navigation bar, the 'Current Configuration' section is displayed, showing various settings and their values.

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' for OpenBroadcaster. The 'Sync/Media' tab is selected in the top navigation bar. The settings are organized into sections:

- Enable Scheduler/Sync:** Checked.
 - Device ID: 40
 - Device Password: [masked]
 - Sync URL: [empty]
- Enable Playlog Sync:** Checked.
 - Media Sync Mode: backup (dropdown menu)
 - Backup Downloaded Media: Checked
 - Local Media: /mnt/obdrive/obmedia
- Advanced Settings:**
 - Sync Amount (buffer): 24
 - Show Lock-In Time: 20
 - Media Sync Frequency: 5
 - Priority Alert Sync Frequency: 5
 - Playlog Sync Frequency: 10

At the bottom, there is a 'Save' button and a toggle for 'Enable/Disable Scheduler' which is currently 'Enabled'. A footer note states: '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

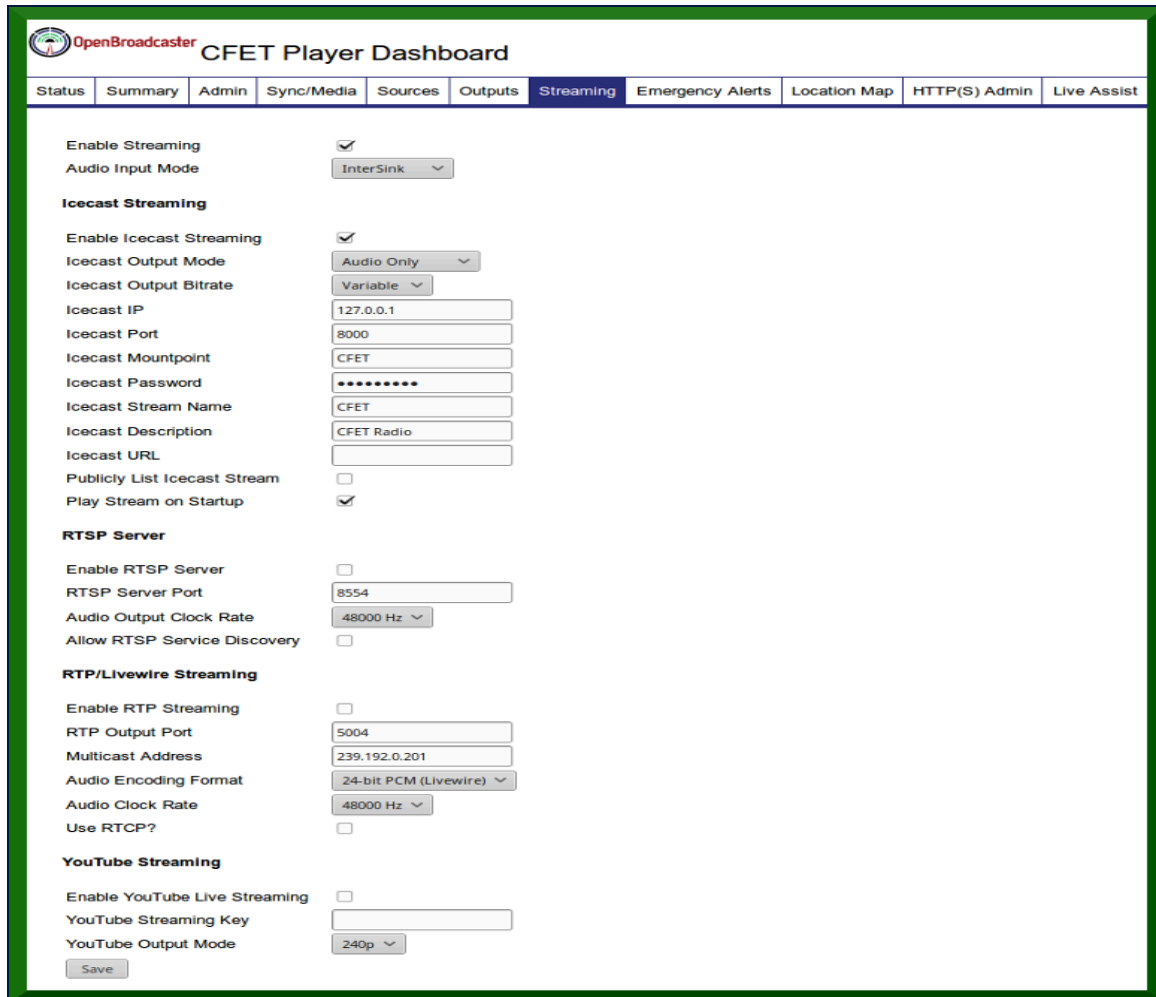
- **Remote** stores media under `./openbroadcaster`
- **Backup** stores media locally or shared in a specified directory
- **Local** is used to access media library that is on the same machine as player

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

Maintenace Mode toggles the scheduled material and puts player into lockdown mode with **Fall Back Media** to set audio levels.

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 'CFET Player Dashboard' with the 'Streaming' tab selected. The dashboard includes a navigation bar with tabs: Status, Summary, Admin, Sync/Media, Sources, Outputs, Streaming (active), Emergency Alerts, Location Map, HTTP(S) Admin, and Live Assist.

Streaming Configuration:

- 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

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

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"/>
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

☒

RTP Output Port

5004

Multicast Address

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

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-Ing-20-en.aspx>) for more detail on specifications and recommended practices relating to public alerts.

Heart Beats

Active Alerts

Last Heartbeat Received: 00:14 min
Alerts Will Play In: 02:38 min

No Active Alerts

Cancel Alerts

Expired Alerts

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.

CAP Alerts Configuration Page

The screenshot shows the OpenBroadcaster CFET Player Dashboard with the 'Emergency Alerts' tab selected. The dashboard includes a navigation bar with tabs: Status, Summary, Admin, Sync/Media, Sources, Outputs, Streaming, Emergency Alerts, Location Map, HTTP(S) Admin, and Live Assist.

Emergency Alerts Configuration:

- 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:
- Inject Alert:

Active Alerts:

- Last Heartbeat Received: 00:31 min
- Alerts Will Play In: 23:51 min
- No Active Alerts
- Cancel Alerts:

Expired Alerts:

- No 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)

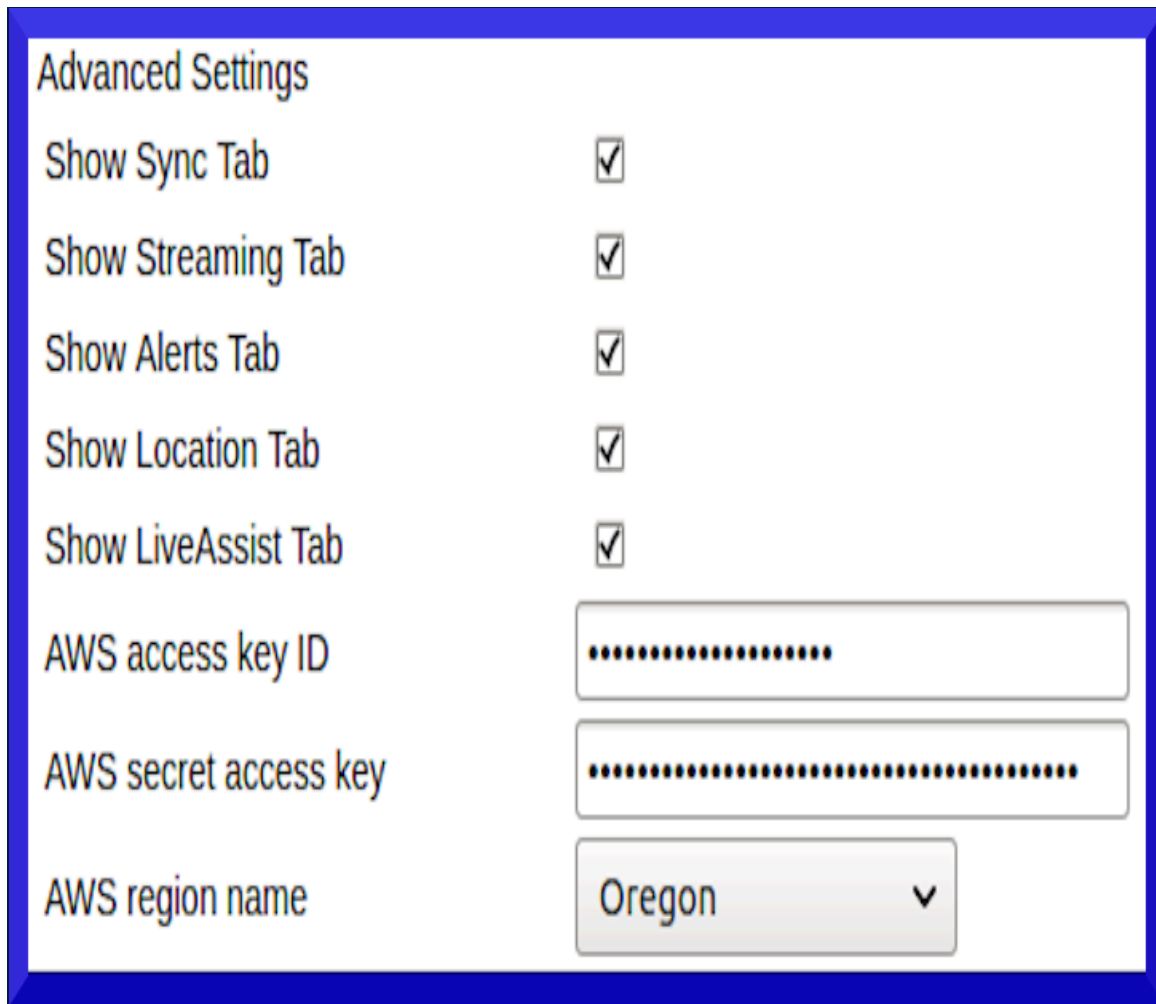
Select and configure Primary and Secondary Language options.

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 French and primary voice of MB-fr1

POLLY AI Voices

Best possible solution for TTS. Sounds very natural. Configured and enabled, when a valid CAP message is recieved, the text of this message is sent to AWS and produced as an mp3 file, sent back for airplay.

- 1) Select Enable AWS POLLY enter the API key into the advanced menu in Admin . Restart player.



Advanced Settings

Show Sync Tab ☒

Show Streaming Tab ☒

Show Alerts Tab ☒

Show Location Tab ☒

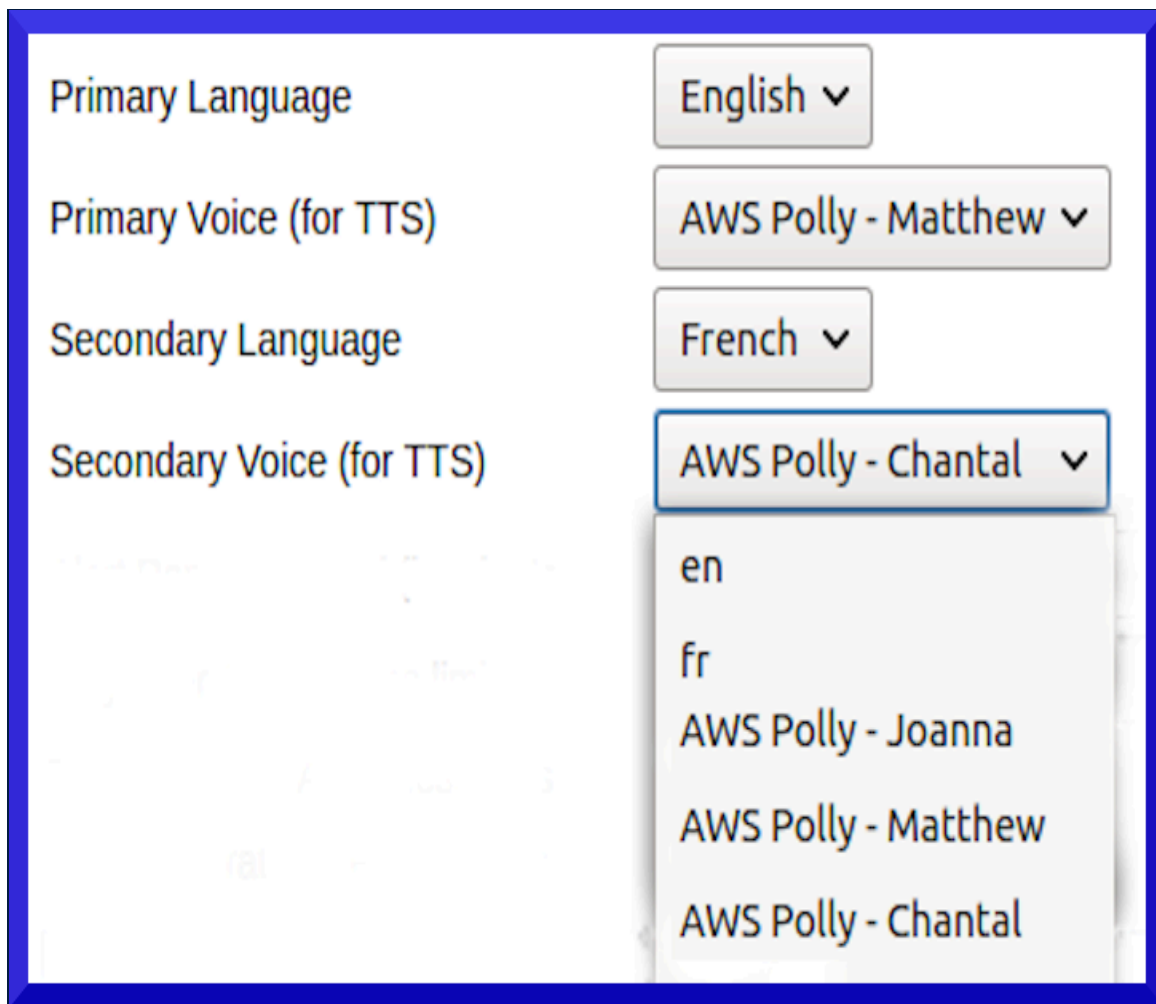
Show LiveAssist Tab ☒

AWS access key ID

AWS secret access key

AWS region name

2) Emergency Tab now displays a selection of bilingual male and female voices to choose from: Joanna, Matthew and Chantal (more to come)



The screenshot shows a settings window with four rows of configuration options. Each row has a label on the left and a dropdown menu on the right. The first row is 'Primary Language' with 'English' selected. The second row is 'Primary Voice (for TTS)' with 'AWS Polly - Matthew' selected. The third row is 'Secondary Language' with 'French' selected. The fourth row is 'Secondary Voice (for TTS)' with 'AWS Polly - Chantal' selected. A dropdown menu is open for the fourth row, showing a list of options: 'en', 'fr', 'AWS Polly - Joanna', 'AWS Polly - Matthew', and 'AWS Polly - Chantal'.

Primary Language	English ▾
Primary Voice (for TTS)	AWS Polly - Matthew ▾
Secondary Language	French ▾
Secondary Voice (for TTS)	AWS Polly - Chantal ▾

- en
- fr
- AWS Polly - Joanna
- AWS Polly - Matthew
- AWS Polly - Chantal

Obtaining AWS Polly Key

You'll need an API key from Amazon Web Services (AWS) using a free plan. If running a large network of POLLY devices, there is a very small fee to use this service, approx 4.00 USD for one million characters for thousands of hours of spoken word.

Register at **AWS POLLY** (<https://aws.amazon.com/>)

Go to Identity and Access Management (IAM)

Create User with Access type = Programmatic access

Attach existing policies directly by scrolling through list and selecting with a check box
AmazonPollyReadOnlyAccess

Add POLLY policy to user

Add user

1


2


3


4

5


▼ Set permissions

 Add user to group

 Copy permissions from existing user









 Attach existing policies directly

Create policy



Filter policies ▼

Showing 647 results

	Policy name ▼	Type	Used as
<input type="checkbox"/>	 AmazonMSKReadOnlyAccess	AWS managed	None
<input type="checkbox"/>	 AmazonPersonalizeFullAccess	AWS managed	None
<input type="checkbox"/>	 AmazonPollyFullAccess	AWS managed	None
<input checked="" type="checkbox"/>	 AmazonPollyReadOnlyAccess	AWS managed	Permissions policy (2)
<input type="checkbox"/>	 AmazonPrometheusConsoleFullAccess	AWS managed	None
<input type="checkbox"/>	 AmazonPrometheusFullAccess	AWS managed	None
<input type="checkbox"/>	 AmazonPrometheusQueryAccess	AWS managed	None
<input type="checkbox"/>	 AmazonPrometheusRemoteWriteAccess	AWS managed	None

View POLLY service attached to user

Identity and Access Management (IAM)

Users > cfet

Summary

User ARN: arn:aws:iam::711856906569:user/cfet

Path: /

Creation time: 2021-02-15 17:41 MST

Permissions Groups Tags (1) Security credentials Access Advisor

Permissions policies (1 policy applied)

Add permissions

Policy name
Attached directly
AmazonPollyReadOnlyAccess

View API Key. It has 3 parts

Export User Key

After creating user and attaching policy you will be able to generate the Key. A single use menu will appear allowing you to copy and paste the keys and/or download link a small csv file with credentials for backup. Download this file and stash securely. If AWS key is lost or cannot remember, simply generate a new one

AWS Region should be set to the data centre closest to player.

Once you enter the key and enable Polly, restarting player will populate the alerting voices with available voices.

Add user

1

2

3

4

5

✓ **Success**

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://signin.aws.amazon.com/console>

Download .csv

	User	Access key ID	Secret access key
▼	✓ Demo-Site	<div></div>	<div></div> <div>Hide</div>

✓ Created user Demo-Site

✓ Attached policy AmazonPollyReadOnlyAccess to user Demo-Site

✓ Created access key for user Demo-Site

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

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 CAP 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 (/accessories#mechanical-rs232-switching-relay)**.
- Using **BARIX exstreamer (/obplayer#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 (<https://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 (high) 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 of CAP Alert

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.
5. 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.

30/33

The screenshot displays the Obplayer interface with the following details:

- Plays Per Alert:** 0
- Truncate Long Alert Messages:** ☐
- Play Moderately Severe Alerts:** ☐
- Advanced Settings:**
 - Purge Saved Alerts After 90 days: ☒
 - Trigger RS-232 DTR on Alerts: ☐
 - Trigger Iccast Stream on Alerts: ☐
 - Play Test Alerts: ☐
 - Lead-In Delay (in seconds): 1
 - Lead-Out Delay (in seconds): 1
 - NAAD Stream #1 URL: <http://streaming1.naad-adna.pel.m>
 - NAAD Stream #2 URL: <http://streaming2.naad-adna.pel.m>
 - NAAD Archive #1 URL: <http://capcp1.naad-adna.pel.more>
 - NAAD Archive #2 URL: <http://capcp2.naad-adna.pel.more>
 - Total Broadcast Intrusive Alerts: 1
 - Total Advisory Alerts: 1
 - Total Self Generated Test Alerts: 1
- Alerting System Tests:**
 - Test Alerts: Simple Test
 - Inject Alert:
- Active Alerts:**
 - Last Heartbeat Received: 00:11 min
 - Alerts Will Play In: 14:12 min
 - No Active Alerts
 - Cancel Alerts:
- Expired Alerts:**

Sender	Times Played
YukonEmergencyMeasuresOrganization 8C3455C2-9CFF-8ECF-BD92-105F1257F2D4 2020-11-25T13:55:49-07:00	1

The right-hand pane shows the details of the alert:

- Identifier:** 8C3455C2-9CFF-8ECF-BD92-105F1257F2D4
- Sender:** YukonEmergencyMeasuresOrganization
- Sent:** 2020-11-25T13:55:49-07:00
- Codes:** profile:CAP-CP:0.4
layer:SOREM:1.0
- Status:** actual
- Message Type:** alert
- Scope:** public
- Language:** indigenous
- Event:** testMessage
- Urgency:** Immediate
- Severity:** Minor
- Certainty:** Observed
- Expires:** 2020-11-25T14:15:00-07:00
- Sender Name:** Yukon Emergency Measures Organization
- Headline:** Test - this is a scheduled test of the Yukon Emergency Alerting System
- Description:** This is a TEST of the Yukon Emergency Alerting System, issued by Yukon EMO. If this had been an actual emergency, you would hear instructions that would assist you to protect you and your family. Visit www.yukon.ca and stay tuned to local media. This is ONLY a TEST.
- Instruction:** (none)
- Parameters:** layer:SOREM:1.0 Broadcast, immediately: Yes
layer:SOREM:1.0 Broadcast, Text: This is a TEST of the Yukon Emergency Alerting System, issued by Yukon EMO. If this had been an actual emergency, you would hear instructions that would assist you to protect you and your family. Visit www.yukon.ca and stay tuned to local media. This is ONLY a TEST.
layer:SOREM:2.0 WirelessText: Yes
layer:SOREM:2.0 WirelessText: This is a TEST of the Yukon Emergency Alerting System, issued by Yukon EMO. If this had been an actual emergency, you would hear instructions that would assist you to protect you and your family. Visit www.yukon.ca and stay tuned to local media. This is ONLY a TEST.
- Event Codes:** profile:CAP-CP:Event:0.4: testMessage
- Attached Resources:**

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

Advanced Settings

Show Sync Tab

Show Streaming Tab

Show Alerts Tab

Show Location Tab

Show LiveAssist Tab

AWS access key ID

AWS secret access key

AWS region name

☒

☒

☒

☒

☒

Oregon

Experimental Settings

Show Indigenous Alert settings

Show Alert Lead-in settings

Show Station Remote Override settings

Show SSL settings

Show SDR streaming/logging settings

enable News feed override (file drop playback)

☐

☐

☐

☐

☐

☐

To ensure all Experimental features work, please make sure all dependencies are met.

[More info](#)

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://support.openbroadcaster.com/experimental>)

Feedback

Find a bug? Want to request a feature? Submit your issue to **OBServer**
(<https://github.com/openbroadcaster/observer/issues/new>) or **OBPlayer**
(<https://github.com/openbroadcaster/obplayer/issues/new>)

Have some Gstreamer, PHP or Python coding skills? Help **Contribute**
(<https://github.com/openbroadcaster/.github/blob/main/docs/CONTRIBUTING.md>) and **Sponsor** (<https://github.com/sponsors/openbroadcaster>) to make the OpenBroadcaster community even better

We really appreciate your feedback!

OBServer Advisories

No OBServer Security Issues

OBPlayer Advisories

No OBPlayer Security Issues

Open Server Bugs

124 - Double clicking media item, show details or editing PL, loses the work in progress.

Open Player Bugs

147 - Live Assist playlist can cause dead air when no host intervenes

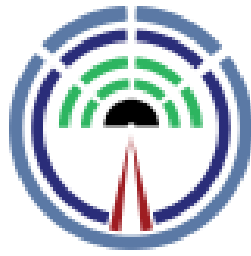
127 - LA Cannot Advance up, stuck at Break Point

126 - LA Missing > indicator after pressing Hot Button

16 - LA not switching to Fall Back Media

Made by Openbroadcaster.

With ♥ from Friends of Cake



OpenBroadcaster



Media and Management Server

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Getting Around

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

Schedule Shows

CFET 106.7 FM

Drag media or playlist onto schedule.

< Prev February 5, 2012 - February 11, 2012 Next >

	Sun 5	Mon 6	Tue 7	Wed 8	Thu 9	Fri 10	Sat 11
12am	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101
1am							
2am							
3am							
4am							
5am							
6am							
7am							
8am							
9am							
10am	Beates for Breakfast	Beates for Breakfast	Beates for Breakfast	Beates for Breakfast	Beates for Breakfast	Beates for Breakfast	Beates for Breakfast
11am	Island Morning Reggae	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	Island Morning Reggae
12pm	World Beat Round						World Beat Round
1pm	Radio EcoShock						Japanese Musiquet Kootenay Co-op
2pm	Terra Informa						Terra Informa
3pm	EestiPop			Yukon Music			EestiPop
4pm	CFET Default	CFET Default	CFET Default	CFET Default	CFET Default	CFET Default	CFET Default
5pm	Weekend Oldies and the Goons	Weekend Oldies and the Goons	Weekend Oldies and the Goons	Weekend Oldies and the Goons	Weekend Oldies and the Goons	Weekend Oldies and the Goons	Weekend Oldies and the Goons
6pm	Secret Messages	Secret Messages	Secret Messages	Secret Messages	Secret Messages	Secret Messages	Secret Messages
7pm	Auditory Evolution Premiere	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	CFMI Rock 101	BYTE Battle of the Bands
8pm	Definitely Not The Housewife January						Auditory Evolution 02122012
9pm	Teddy & the Robot						Frostbite Jams

media playlists

my • AP un ar (enter search query here)

advanced search • previous • next

Artist	Title	Time
#5 (Life Without)	Roux partout	03:26
1 Giant Leap	The Way You Dream	04:11
1000 Homo DJs	Supernaut	06:39
10 Ft. Ganja Plant	100 LB. Weight	03:25
10 times	10 times	03:35
100 per cent	Waterfall	03:34
1000 Deaths	1000 Deaths	03:44
1000 Homo DJs	Supernaut	06:30
100000 indi	100000 indi	03:49
106th and ParkBattle	106th and ParkBattle	01:19
10cc	Baron Samedi	03:45
10cc	The Worst Band in the World	02:48
10cc	I Wanna Rule The World	04:00
10cc	I'm Mandy Fry Me	05:26
10cc	Rubber Bullets	04:47
10cc	Deadlock Holiday	04:31
10cc	Wedding Bells	03:27
10cc	Cry	03:59
10cc	People In Love	03:48
10cc	I'm Not In Love	06:05
10cc	Under Your Thumb	03:44
10cc	Silly Love	03:19
10cc	Life is a Minestrone	04:31
10cc	Neanderthal Man	04:14
10cc	Un nuit à Paris	08:42

53742 media items found.

< more Drag to playlist for dynamic selection.

New

account media playlists schedules admin

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.

Media 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
WAV	Waveform Audio	.wav
Video Formats		
AVI	Audio Video Interleave, Container Format	.avi
MOV	Apple Quicktime ☼	.mov
MPEG	Moving Picture Experts Group ☼	.mpg

Format	Description	File extension
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.



The screenshot shows a settings window with a blue border. It contains three sections, each with a title bar and a list of checked options:

- Audio Formats**
 - ☒ FLAC (Free Lossless Audio Codec)
 - ☒ MP3 (MPEG-1 Layer-3 Audio)
 - ☒ MP4 (MPEG-4 Audio)
 - ☒ OGG (Ogg Container Format)
 - ☒ WAV (Waveform Audio)
- Video Formats**
 - ☒ AVI (Audio Video Interleave, container format)
 - ☒ MPEG (Moving Picture Experts Group)
 - ☒ OGG (Ogg Container Format)
 - ☒ WMV (Windows Media Video)
 - ☒ MOV (Apple Quicktime)
- Image Formats**
 - ☒ JPEG (Joint Photographic Experts Group)
 - ☒ PNG (Portable Network Graphics)
 - ☒ SVG (Scalable Vector Graphics)

Global default media fields and behaviour.

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

Complete list of Codecs and Containers

Audio

Video

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

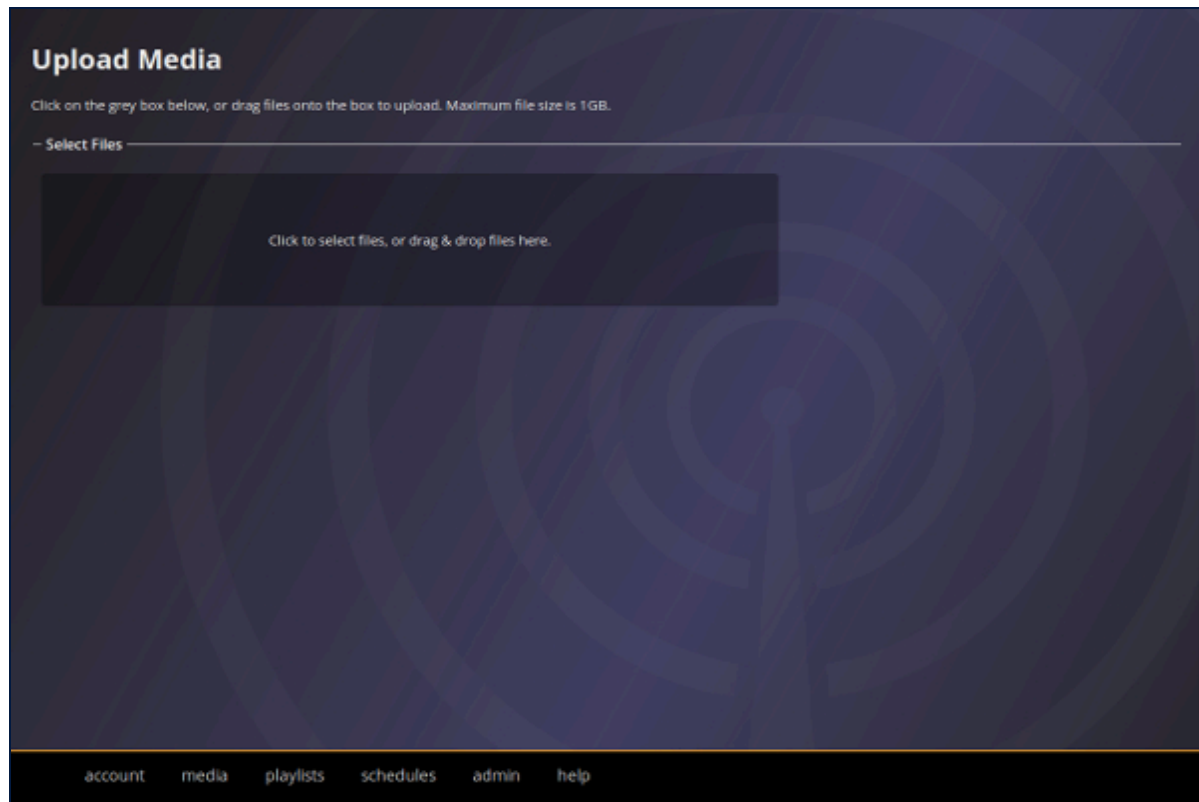
Save Data

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 _(may be increased)

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 Francals	Canadien Francals	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 (double 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

View Versions

Update media by adding a new version.



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

Advanced Search

Country
is
United Kingdom
Add

Search Criteria

- ☒ 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"

Search
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 (enter search query here)

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.

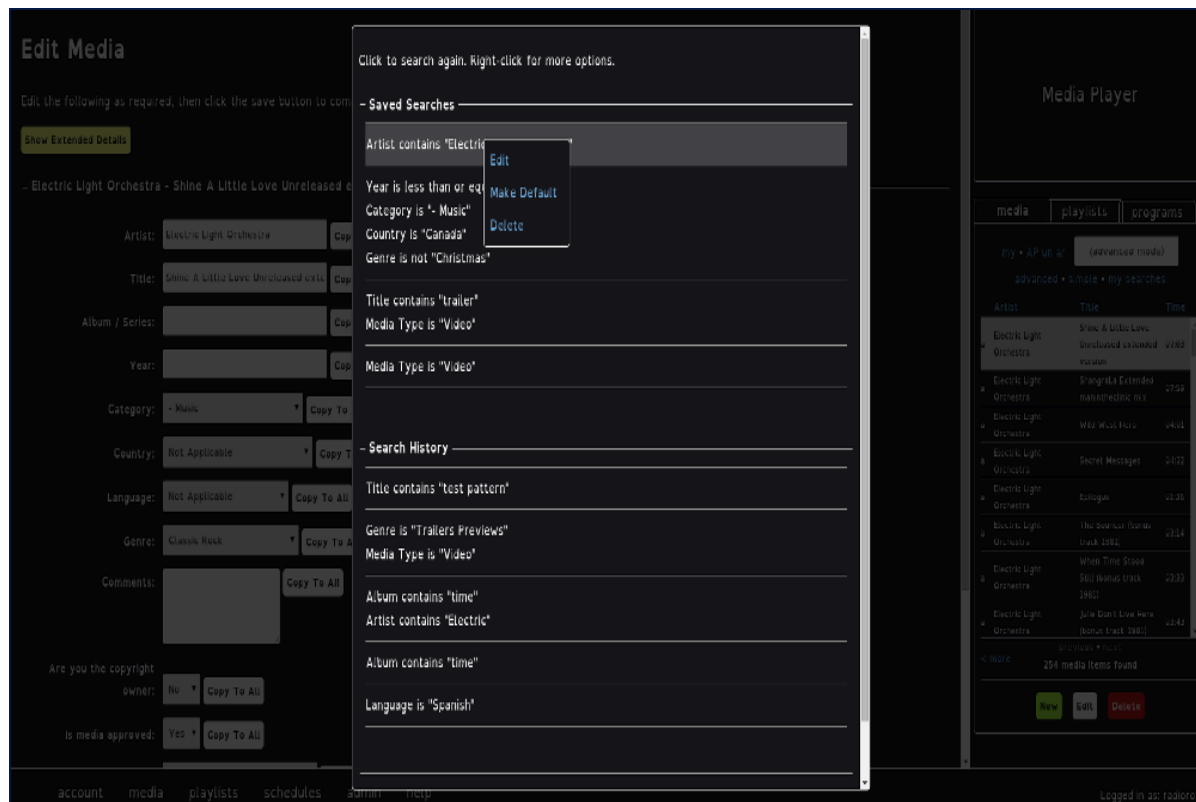
New

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



Search history results are recalled and used edited again for personalized results.

Default Search View

May be saved and one can be set as default. When a default search is set, results will be displayed when logging into your profile.

Pro Tip Remembers the last search result queries to be modified or save

Playlists

A **Playlist** groups selections from the media library for scheduled or recurring broadcast and may contain individual media selections or combinations of media may be combined in PlayLists. Buttons along bottom Add Dynamic Selection and Station ID add functionality.

The MY button when selected filters to only show Play Lists created and managed by user.

Types of PlayLists

Standard_Playlist

– 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

Add Dynamic Selection Add Station ID Clear Save

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:

Example #2

Description:

Advanced Playlist Example

Status:

Public (available to everyone)

Type:

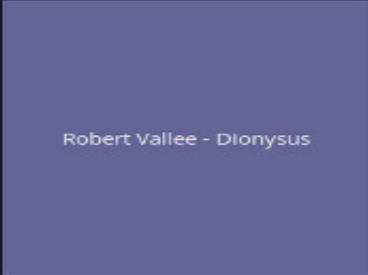
Advanced

– 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.

Zoom In

Zoom Out

00:00		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 - Vallee16
03:30		Robert Vallee - Vallee17
04:00		Robert Vallee - Vallee18
04:30		Robert Vallee - Vallee19
05:00		Robert Vallee - Vallee20
		Robert Vallee - Vallee21
		Robert Vallee - Vallee22
		Robert Vallee - Vallee23
		OpenBroadcaster - Logo

Clear

Save

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

Edit Playlist

Edit the following playlist as required.

— Playlist Data —

Name:

Description:

Status:

Type:

— 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.

Station ID		
		*00:15
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
Breakpoint		
Kraftwerk - Radioactivity (Half-Life Mix)		07:26
Kraftwerk - Pocket Calculator (Black Sand Mix)		06:09
Station ID		*00:15
Breakpoint		
Kraftwerk - The Hall Of Mirrors (Black Sand 7" Edit)		04:05
Kraftwerk/Kraftwerk - Home Computer (Disc Error Remix)		04:59
Breakpoint		
Kraftwerk - Aero Dynamik (The Portal Mix)		07:07
Breakpoint		

Total Duration: *44:02 (estimated due to variable length content)

— LiveAssist Buttons —

Drag playlists to this area to program the LiveAssist button area. Each playlist will be a column of buttons, with one button per playlist item.

LA SFX - SFX Buttons
Movie Bits - Movie Bits
Halloween - Halloween

account media playlists schedules admin help

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 (/live-assist)**

Create Playlist

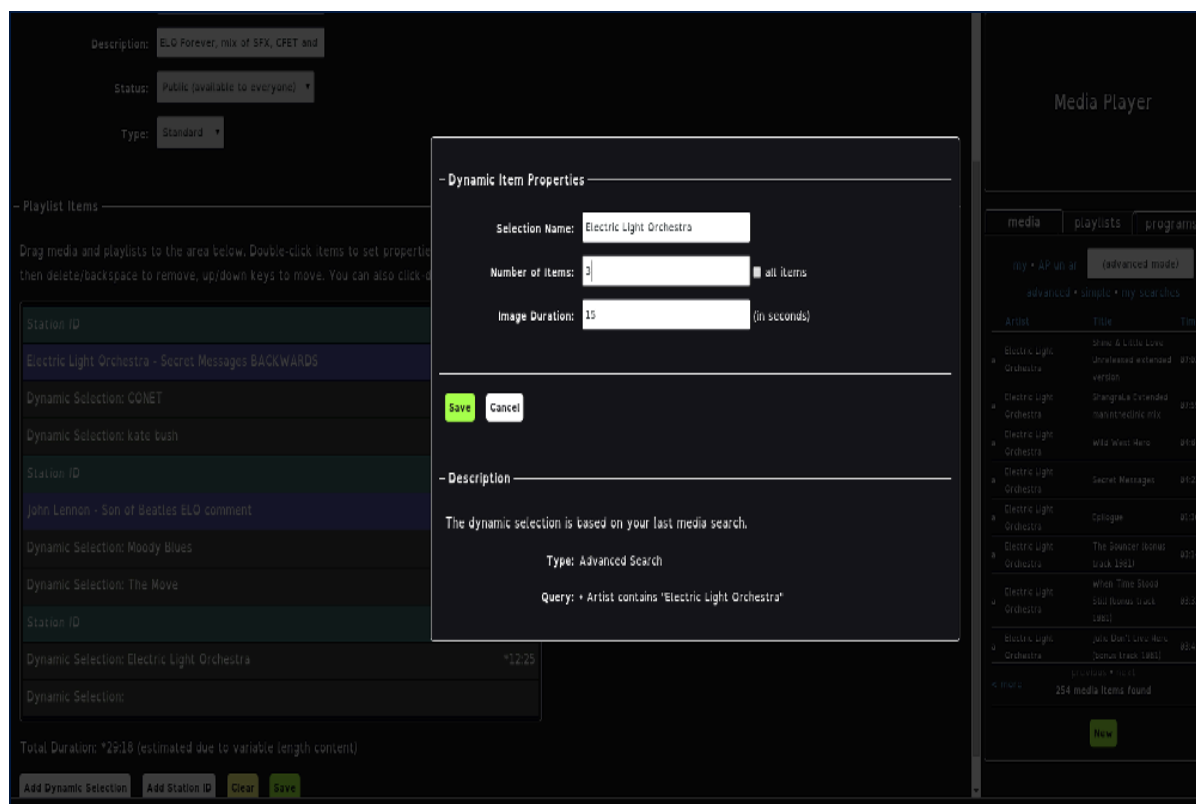
Using the playlist->new playlist menu option:

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



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. Create and assign a DPL to player
2. Upload media. Drag to schedule and set to play in a time slot.
3. Select uploaded media and drag into an existing scheduled Playlist.

Note _CAP Emergency Alerts automatically override all schedules, currently playing media and internal Priority Announcements. _

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. Select 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(s) when user can program a content time slot
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 Announcements

Priority Broadcasts

CPET 106.7 FM

Drag a media item into the table below to schedule priority broadcast. Double-click an entry to edit.

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:

Play Every: seconds

Start Date:

Start Time:

Stop Date:

Stop Time:

Media Player

media | playlists | programs

my • AP un at • yg-emo

advanced • simple • my searches

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

1 media item found

account | media | playlists | schedules | admin | help

Logged in as: radiorob

Priority Announcements will start with minimal delay as specified in OBPlayer Dashboard how often to sync for priority messages. Priority Announcement function to play every N seconds. Set start and stop dates. Use sparingly. Only 1 Priority Announcement may run simultaneous per player. 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 Priority Announcement 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 Announcement a name.
3. Enter in the frequency of the broadcast in seconds

eg 600 sec = 5 minutes.

1. Enter in start/stop times and date range with pop up calendar
2. 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 running OBPlayer will be passed through. Example source is a satellite audio receiver.

CAP Emergency messaging will over ride this source, play the announcement and resume normal programming.

User Management

New User Sign up



The screenshot shows a web form titled "New Account" with a light gray border and rounded corners. Inside the form, the title "New Account" is in bold black text. Below it, a paragraph states: "Fill out the following form to create a new account. A random password will be emailed to you." There are three input fields labeled "Name:", "Username:", and "Email:". Below the "Email:" field is a "Create New Account" button. At the bottom of the form, there is a blue link "Return to login window.", a version string "Running version 4.1.1-20160502.", browser support information "Browser support Firefox 36+, Chrome 41+, Safari 7+, IE 11+.", and a footer paragraph: "OpenBroadcaster is released under Affero GPL v3 and may be downloaded at [openbroadcaster.com](\"http://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.

Admin can disable new user sign up.

User List

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

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:

Producer

Username:

TheMan

Display Name:

Bob

Email:

TheMan@example.com

Password:

*

Password (confirm):

*

Status:

Enabled

Groups:

☐ Administrator

☒ Managers

☒ Producers

☐ Guest

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

Save

Delete

Cancel

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	API@	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

Permissions

New Group

	Administrator
administration	
manage media settings	✓
manage players	✓
manage groups and permissions	✓
view player playlogs	✓
create, edit, and delete users	✓
manage client/interface settings	✓
install and uninstall modules	✓
player: CJUC 92.5 FM	
view map	✓
edit map defaults	✓
player: CFET 106.7 FM	
view map	✓

account
media
playlists
schedules

Edit Permissions For Group

Group Name: Managers

administration

manage media settings: ☒
manage players: ☐
manage groups and permissions: ☒
view player playlogs: ☒
create, edit, and delete users: ☒
manage client/interface settings: ☒
install and uninstall modules: ☐

player: CJUC 92.5 FM

view map: ☒
edit map defaults: ☐

player: CFET 106.7 FM

view map: ☒
edit map defaults: ☐

player: CJHJ 99.9 FM

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.
2. Give a description of the Player.
3. Enter in the stream URL
4. Enter a password that matched with the one that was entered when setting up the Player.
See below
5. Using the radio buttons select the types of media that the Player will be supporting
6. Set time zone where the Player is located. This is also required for the creating of Play logs which are all done in GMT

7. 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.
8. Drag and drop station ID that you wish to associate with this Player.
9. Save Player

Note Leave IP address field empty

The Player ID is automatically generated and the assigned password will be needed when configuring the remote OBPlayer playout device. See **Player Sync Settings** (<https://support.openbroadcaster.com/obplayer/#syncmedia>)

Connection Messages

The screenshot displays the OpenBroadcaster web interface. On the left, the 'Device Settings' panel is visible, showing a list of devices. Device 2, 'CFET 106.7 FM', is selected, and its details are shown in a form. The 'Name' field is 'CFET 106.7 FM', 'Description' is 'Tagish', and 'IP Address' is empty. The 'Media Types' are set to 'Audio', 'Images', and 'Video'. The 'Timezone' is '(GMT-08:00) Pacific Time (US & Canada)'. The 'Default Playlist' is 'CFET MASTER PL'. Below the form, there are 'Save Device' and 'Delete Device' buttons. On the right, a 'media' playlist is shown with a table of items. The table has columns for 'Artist', 'Title', and 'Time'. The items include 'Rolling Stone Magazine', 'Church of the SubGenius', 'National Cynical Network', and 'Church of the SubGenius'. The bottom of the interface shows a navigation bar with 'account', 'media', 'playlists', 'schedules', and 'admin' tabs. The user is logged in as 'radiob'.

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

Player Manager

ID	Name	Description	Status
40	CFET		Version: 5.0.0-20190926 Last IP: 207.189.247.225
29	CFET Clone		
42	CJCC		
41	CJHJ		
1	CJUC	92.5 FM "The Juice" Whitehorse	Version: 5.0.0-20190926 Last IP: 207.189.234.40 Alt: 2020-06-16 13:10:29 Schedule: 2020-06-16 13:07:29 Priority: 2020-06-16 13:07:58 Media: 2020-06-16 13:08:12 Playlog: 2020-06-16 13:10:13

Player Settings

Name:

Description:

Parent Device:

☒ Use parent schedule
☒ Use parent dynamic selections
☒ Use parent station IDs
☒ Use parent default playlist
☒ Use parent priority broadcasts

IP Address:

Password:

Media Types: ☒ Line-In
* affects dynamic selections only

Timezone:

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

Device Monitoring

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

Device: CJUC 02:5PM

Start: 2011-10-11

End: 2011-10-11

Sort: Date/Time Ascending

Load Data

Add Filter

Media ID is exactly Add Filter

Results

Media ID	Artist	Title	Date/Time	Context	Notes
49603	Gulky Simpson	Introduction	2011-10-11 00:03:35	show	
49622	Gulky 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	
45638	Burkshot LeFonque	Wonders and Signs	2011-10-11 00:11:43	show	
45634	Sahac	Breaking Through (prod. by Blue Sky Black Death)	2011-10-11 00:17:15	show	
49672	DJ Signify	Interlude 6	2011-10-11 00:20:50	show	
49673	DJ Signify	Hold Me Dont Touch Me	2011-10-11 00:21:26	show	
49735	DJ Babu	Guns Gorr Blow Feat. Terminology	2011-10-11 00:24:51	show	
49743	LLdhi	Meltdown 25 (feat. Royce Da 5'9)	2011-10-11 00:28:53	show	
49587	theMRY	Underground Railroad 4.0 (feat/Media)	2011-10-11	show	

media

playlists

MY • All 1:02 (select search query filter)

advanced search • previous • next

Artist	Title	Time
Raper Walters	Young Luc - 05	
RGH	YEC Meeting July 6 2011	
Raper Walters	wide angle looking back on pictures from caboose	
Raper Walters	Waiting For The Worms - 23	
Unknown	VIDEO - Bonnie and Clyde death scene	
Raper Walters	Vera - 17	
UCS AGM	UCS AGM May 26 2010 Northwest response	
UCS AGM	UCS AGM May 26 2010 Northwest response	
UCS AGM	UCS AGM May 26 2010 Northwest response	
RGH	Trans made caboose in Church!	
train w/ripguy yard looking down tracks	train waiting yard looking down tracks	
RGH	train waiting yard from caboose 2	
RGH	train arrival valley turn shows	
RGH	train scabougouh area 2 b/w	
RGH	train scabougouh area made	
RGH	train in in caboose to church!	
RGH	train northlake station from caboose	
RGH	train outside Cp engine at Spokane	

128 media items found.
Drag to playlist for dynamic selection.

New Edit Delete

account

media

playlists

schedules

admin

Logged in as: raskorob

- Player
- Time and Date range
- Artist
- Title
- 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
Translations	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; Logger, Tutorial and Now Playing. There are dozens of modules available to provide added features and functionality.

Additional features may be introduced into the OB environment by third-party developers.

Check for updated list of **Modules** (<https://github.com/openbroadcaster>)

Client Settings

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

Feedback

Find a bug? Want to request a feature? Submit your issue to **OBServer** (<https://github.com/openbroadcaster/observer/issues/new>) or **OBPlayer** (<https://github.com/openbroadcaster/obplayer/issues/new>)

Have some Gstreamer, PHP or Python coding skills? Help **Contribute** (<https://github.com/openbroadcaster/.github/blob/main/docs/CONTRIBUTING.md>) and **Sponsor** (<https://github.com/sponsors/openbroadcaster>) to make the OpenBroadcaster community even better

We really appreciate your feedback!

OBServer Advisories

No OBServer Security Issues

OBPlayer Advisories

No OBPlayer Security Issues

Open Server Bugs

124 - Double clicking media item, show details or editing PL, loses the work in progress.

Open Player Bugs

147 - Live Assist playlist can cause dead air when no host intervenes

127 - LA Cannot Advance up, stuck at Break Point

126 - LA Missing > indicator after pressing Hot Button

16 - LA not switching to Fall Back Media

Made by Openbroadcaster.

With ♥ from Friends of Cake