

Tracklist

Use the “Get Files” button or drag and drop audio files from Window File Explorer or iTunes into the tracklist. Note that your audio files stay in their original locations, the tracklist is just a reference to them. There’s no limit to how many tracks you can add. Tracklists can be saved and loaded using the File menu. Mp3, m4a, ogg and wav format audio files will be accepted.

Select the tracks you want to include in a new radio playlist by clicking/dragging on them to select or use the buttons to manipulate.

Radio Playlist File Generation Options

Sequence

Select whether to add tracks top down sequentially or randomly to your new playlist file.

Static/Tuning Between Tracks

Optionally, and to add a little immersion, you can choose to have different types of radio tuning static inserted between tracks:

None: Tracks are spliced together without gaps

Static Only: Random radio static is inserted between tracks

Tuning and Static: Similar but with the sound of skipping past radio stations

Radio KAOS: Static with Clips and jingles from Radio KAOS

Radio Nam: Static with clips from AFVN and Vietnam news broadcasts, plus Dave Rabbit, Hanoi Hanna and others (Aimed at fellow Huey drivers ;)

The tuning lists and samples are just examples. It’s possible to add your own – See in Further Notes below

Apply Lead/End Track Cuts

In addition to tuning static, you may wish to cut a few seconds from the start and end of tracks to increase the illusion of tuning between stations.

Here you can also limit the length of each track.

Playlist Duration

This will limit the final length of the output playlist audio file.

This is useful if for example, you select 100 tracks with random selection and a 90-minute duration, you’ll get perhaps 25 tracks randomly chosen from the 100.

Radio Playlist

Pressing “Calculate” will display a window showing the duration of the proposed playlist and asking you to proceed or cancel.

Pressing “OK” will initiate the playlist splicing. Note that, depending on the playlist duration and the power of your processor, this may take a few minutes. Estimate is somewhere between 1 and 3 seconds per minute of final duration.

Once generated, the window will flash and duration and size in KB of the file will be shown.

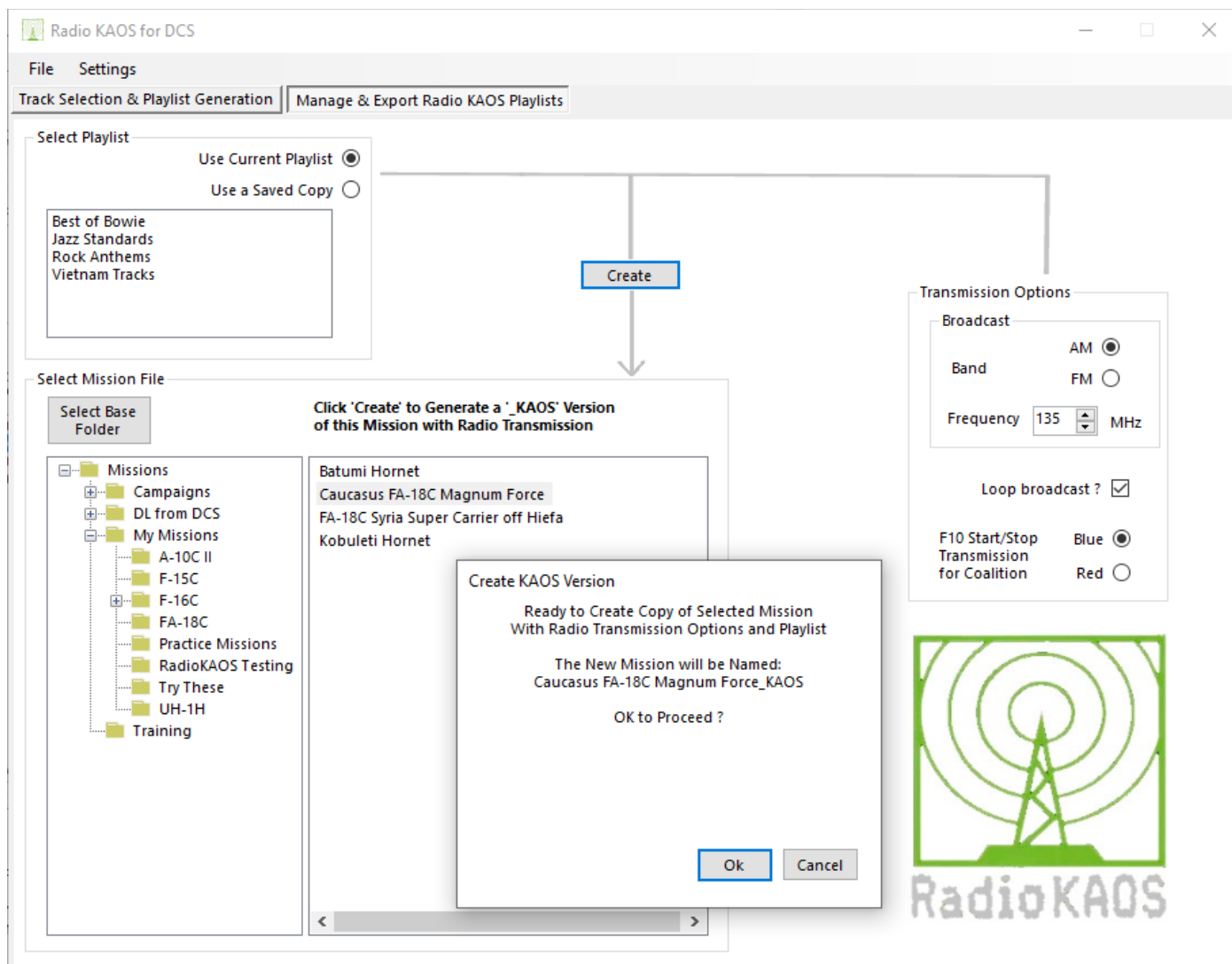
Its filename will ALWAYS be **KAOSTransmission.ogg**.

Each time you generate, that file will be overwritten and becomes your **current playlist**.

You can use the “Open Folder” button to access the file and play it in a media player if desired. (Note that not all media players support .ogg files – the free [Audacity](#) does.)

You can use the “Save” button to save copies of generated audio playlist files. Multiple playlists can be saved and subsequently chosen to be used on the Manage and Export tab.

Manage and Export Radio KAOS Playlists Tab



Select Mission File

Use the “Select Base Folder” button to select your missions folder. Typically, in your Saved Games\DCS (or DCS.openbeta) folder. Its folder structure will then be shown in the left pane.

You can then select the sub-folders containing your missions

ONLY mission (.miz) files will be shown in the right pane.

Clicking on a mission will display the “Create” button and Transmissions Options path shown above.

Select Playlist

You can choose to use the “current playlist” file (the one you most recently generated) or one of your saved playlist copies.

(You can also delete unwanted playlist copies here)

Transmission Options

Select a band and set a frequency for your transmitter as desired. NOTE that due to technical reasons only up to the 1st 3 digits (before the decimal point) can be used (e.g. 123 AM or 35 FM)

Be sure to choose a usable frequency for your aircraft(s) and one which doesn’t conflict with other frequencies used in your mission

Select “Loop Broadcast” if you want your playlist to continually repeat

Select the coalition you’ll be flying with. Note that ONLY that coalition will be able to start and stop the broadcast in mission.

Create Button

This will display a window asking you to proceed or cancel

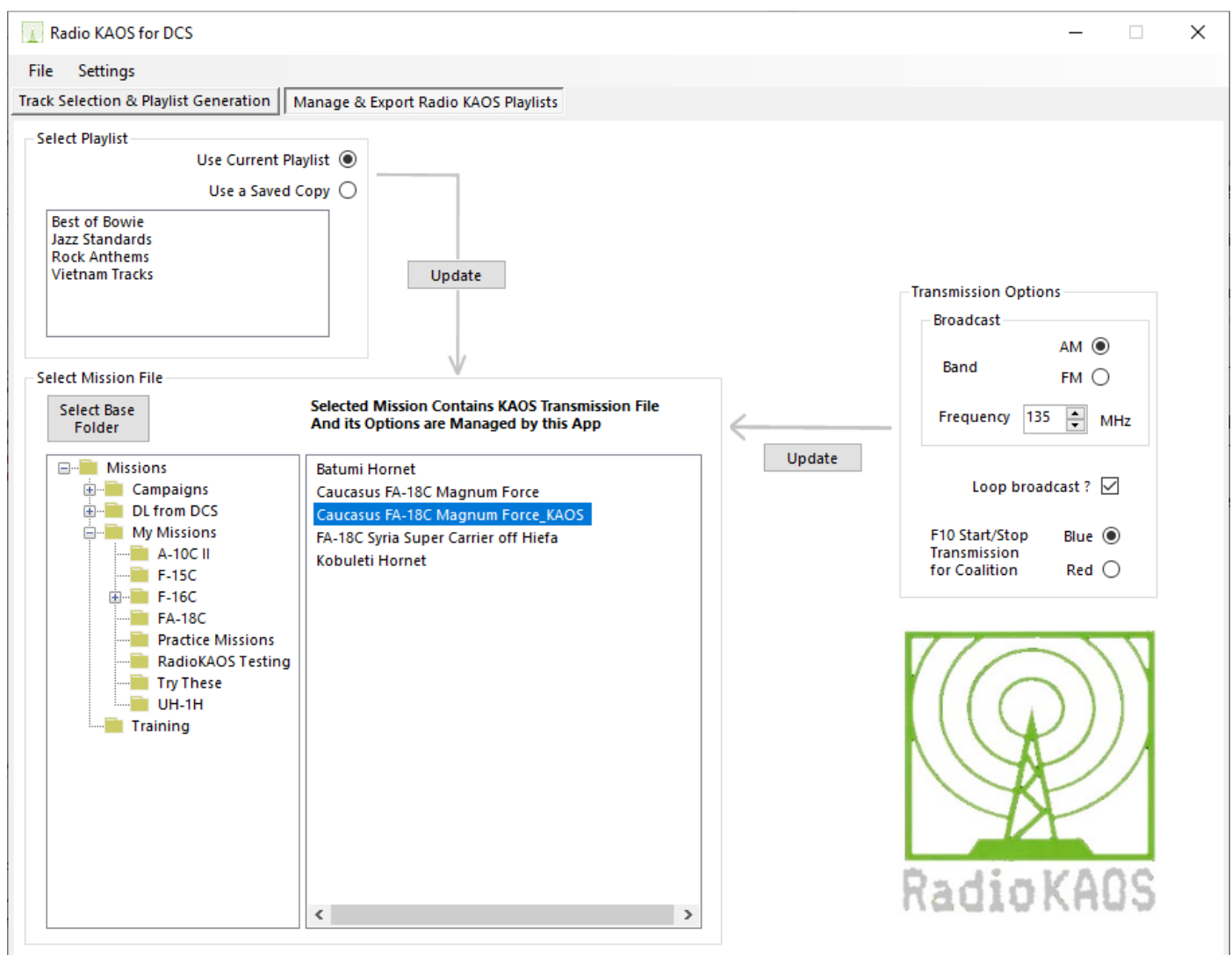
It will perform the following actions..

1. It will create a COPY of the selected mission, named **<mission name>_KAOS**. All further actions will be applied to this new copy, your original mission file will be untouched. The copy will be placed in the same folder as the original.
2. It will insert a 10 kW radio transmitter in the centre of the mission's map, set to transmit using your selected band and frequency. This should allow the transmission to be available everywhere (though bear in mind that like any radio transmitter, it requires line of sight so reception will vary with terrain)
3. It will insert two F10 commands (accessible from your comms menu) that will allow you to Start and Stop the transmission in mission.
4. It will copy your selected playlist into the new mission file.

The mission is now ready to fly. Launch it in DCS, tune your radio and use the F10 command to start it.

(I would recommend that you set your helmet volume higher than general volume)

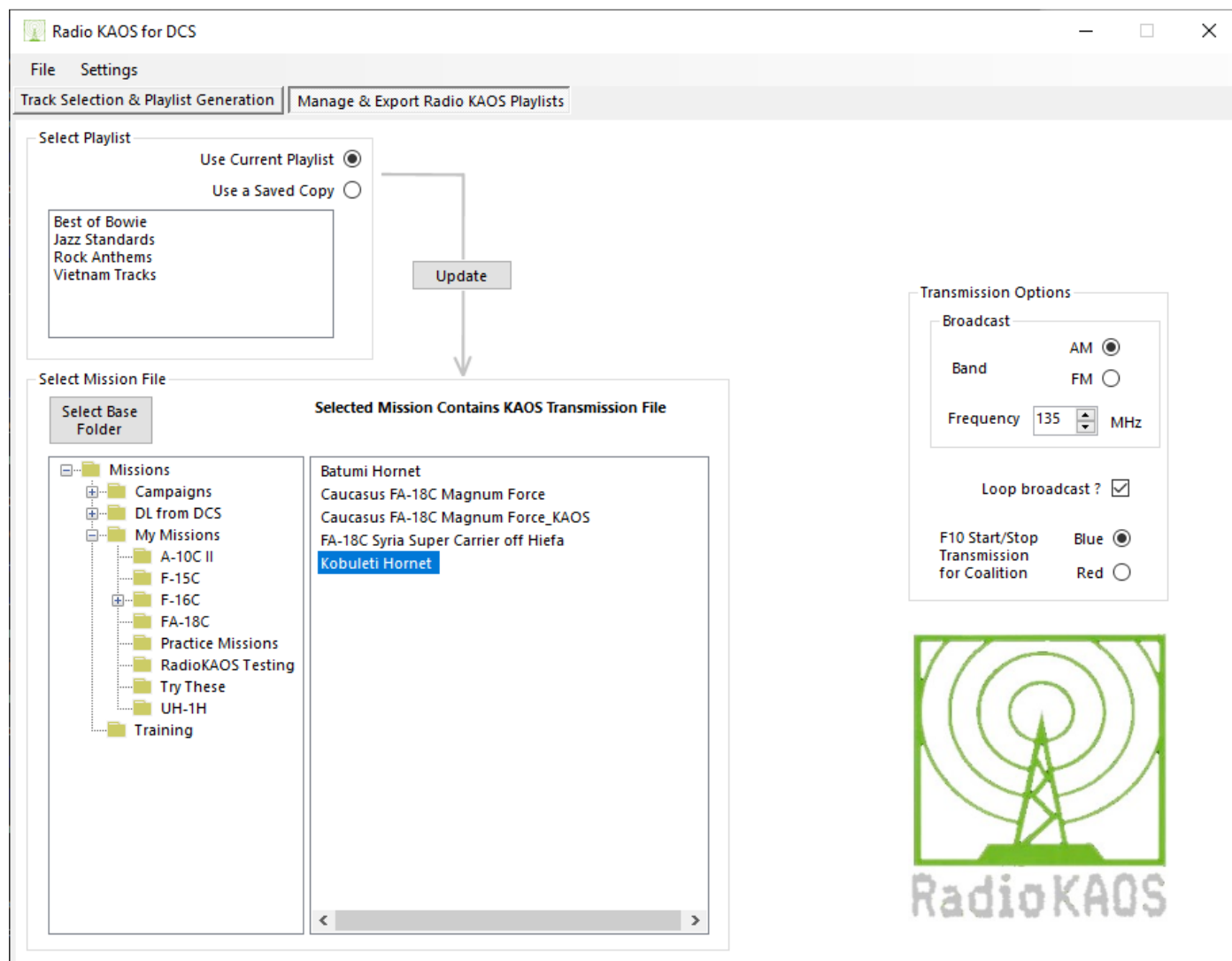
_KAOS missions, created by this app, will have the below 2 options shown when selected:



You now have the option to update the _KAOS mission's playlist with a new one at any time. In addition, its current transmission options are shown and can be updated if required.

If you're a mission builder and prefer to add your own radio transmission trigger –

-via the DCS mission editor then, so long as you name the transmitter's audio file as “**KAOSTransmission.ogg**”, you will still be able to quickly replace that file with a new playlist with this app. You will NOT however, be able to change its transmission options. For such a mission, the window will display as below..



Installation

Download the zip file and unzip it.

Place the “Radio KAOS for DCS” folder where you want to run the app from (NOT in a system folder). The app is portable and doesn't require any further installation.

Run the app using the “RadioKAOS.exe” file in that folder (Perhaps pin that to your Start menu).

The app will initially need to create a “RadioKAOS” folder in your “Documents” folder. This will be used to store playlist .ogg files, tracklists, settings and temporarily unpacked mission files.

Have fun and please let me know what you think of the app.

Also please report any issues on the thread. If you have problems generating KAOS versions from any particular mission then please provide the original .miz file and I will investigate.

Further Notes

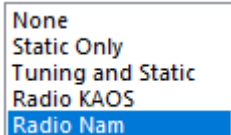
This application uses the excellent, open-source FFMPEG Multimedia Framework to splice and convert audio files.
[FFMPEG Website](#)

Be aware that the playlist audio file is physically added to your _KAOS DCS mission file so its size will be significantly increased depending on the playlist file size.

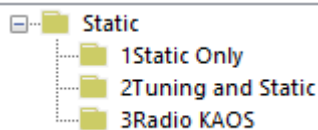
I have deliberately not provided an option to remove the radio transmitter from a _KAOS mission. Although I have tested and verified that a _KAOS mission can be further edited in the DCS Mission Editor, I would recommend that you use your original mission as the gold copy and make any required further changes to that, then simply run Radio KAOS against that mission and re-generate the _KAOS mission version (It will overwrite an existing _KAOS mission version). The point here being that Radio KAOS is intended as an occasional add-on to your missions for when the mood takes you.

I'm not a regular user of **Multiplayer**, but from what I've read on forums, a running radio transmission is only available to players who joined the mission BEFORE the transmission was started. Therefore, wait until all players are online and then use the F10 command to start the transmission (You can also always stop and restart the transmission at any time)

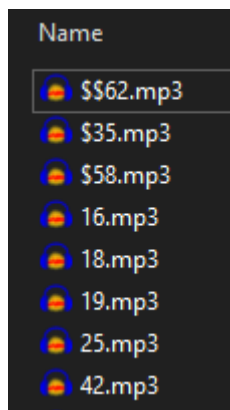
Static/Tuning List



The Static/Tuning list is dynamically created when the app starts. It is built based on the presence of folders in the \Static folder in the application's installation folder. It's therefore possible to add your own folders with tuning clips.



The names in the list are taken from the folder names. Note that the 1st character is just used to allow you to order the list and will not appear in the name. So can be 1-9, a-z.



Each folder can contain as many mp3 tuning/static clips as desired. They will be selected randomly by the app for insertion in a playlist. They can be named anything but must be mp3 format.

If there are certain clips that you want to be always selected, prefix their filenames with "\$". You can also nominate one clip to always be placed at the start of the playlist by prefixing its filename with "\$\$"

The folder MUST also contain a text file called "Desc.txt" Place a short description of the list in there – The description will be displayed when the list is selected.

[Freesound](#) is an excellent resource for audio clips and has many radio tuning samples (or you can re-edit my clips). I created my tuning clips with the free [Audacity audio editor](#).

I extracted the speech audio for the Nam Radio clips from old AFVN and news broadcasts on YouTube

As some may have guessed, the concept, name and Radio KAOS tuning clips were inspired by an old 1987 Roger Waters album of the same name. The voice on the Radio KAOS tuning clips is that of Jim Ladd, the legendary Los Angeles radio DJ.

If you do create your own themed Static folder, please consider sharing it on the thread.