

## What's new in ZaraStudio 2.2

### Satellite and local disconnections

- The line-in rebroadcast feature has been completely redesigned. Now it has the following features:
  - It allows to connect to 2 different satellite sources.
  - It lets you receive satellite audio through one card and play it on another one.
  - Vumeters now display satellite audio level.
  - Satellite audio is processed by the AGC.
  - It works with sound cards that do not allow to enable and disable the line-in port through Windows mixer.
  - It works on Windows Vista/7.
- When enabling satellite sound through the top tool bar buttons, the main player is automatically stopped. Furthermore, when the main player is activated, satellite audio is stopped.
- A new telecommand reception system through serial port has been added (it requires a compatible system at the mother station).
- When using disconnections based on DTMF tones, the program does not stop satellite audio if there are no pending events.

### Players

- It allows to set intro time in songs.
- New meter that displays the play list remaining time.
- It allows to assign voiceovers to the songs in a specific play list. This way, every list can have a different set of voiceovers. Besides, you can associate voiceovers to random tracks.
- A new list type has been added: TPL. This kind of file creates an infinite list based on random tracks. The audio pick up process is carried out in background, displaying in the list the titles of the audios that are going to be played in the following 15 minutes.

### Security

- New user management system. Prior password protection has been removed and, instead of it, a new user management system has been added with the following features:
  - It allows to create as many users as you need.
  - Each user has his own password.
  - The auditor tool keeps track of the user that was active when a given audio was played.
  - Each user can have access to a different module set. The following actions may be limited:
    - Save lists.
    - Modify lists.
    - Change playback mode.
    - Schedule events.
    - Enable and disable events.



## ZaraStudio

- Play pending events.
- Remove pending events.
- Access to auditor tool.
- Access to voice track editor (sweepers editor in previous version).
- Access to options dialog.
- Minimize the application.
- Close the application.
- User management.
- Modify window layout.

### Other improvements

- Option to log the file name only, rather than the full path.
- Full-screen option.
- Minimize button in auditor tool.
- AGC configuration has been improved. It now provides 3 predefined presets (soft, medium and hard).
- Fades has been improved. Now, it is more smooth.
- The players allow to access to the most recent playlists.
- The end of the song detector is now disabled in audios that have a customized overlap point.
- Random tracks management has been redesigned internally.
- It includes **ZaraOverlap** tool, which calculates the optimum overlap period for music files automatically and appends it to the file name.

## What's new in ZaraStudio 2

### Events

- You can group events in tab, avoiding large event lists.
- Overlapped events, that don't interrupt what is being played, but they do a fade and they sound over the on-air file.
- New command to enable or disable sweepers automatically through events.

### Local disconnections

- New 'satellite countdown' command to reconnect to a radio network. When a local disconnection starts, it runs a configurable chronometer. When it reaches zero, it stops local audio and reconnects to the network.
- The 'connect to satellite' command stops local audio, so it is not necessary to place a stop command after it any more.
- Control through the parallel port, to control the program from a satellite decoder or from a mixing console.
- Ability to select a sound card in the DTMF tone detector.

### Jingles palette

- The jingles palette now displays audio durations.
- The jingles palette now accepts text files.



## Crossfade

- You can configure overlap and fade individually for each player.
- You can set the instant in which audio in files starts, to avoid silences at the beginning of songs.

## Auditor

- The report exporter now displays the file name next to the time in which it has been played.
- It allows you to search by player (Aux 1-4, main player, jingle, HTH).
- The search by action has been improved (file, error, warning, startup, shutdown). Now, you can select several actions at a time.
- It lets you export reports in CSV format (compatible with Excel and similar applications).

## Random tracks

- Anti-repeat system improved in random tracks. Now, it is possible to set a minimum separation between songs from the same interpreter. Besides, you can also ensure a minimum separation between repetitions of the same song.

## Playlist

- New option that looks up missing or wrong files in playlists. Then, it shows a list with wrong files.
- Undo/redo in all the players.

## User interface

- New redesigned user interface.
- Redesigned events, sweepers and cue dialogs.
- Aux players now have the same features as the main player (loop, delete after playing, combo box to change mode, big buttons...)
- You can update specific folders in the explorer tree, so that it is not necessary to update the whole tree any more.

## Other improvements

- AGC configurable.
- Support for MP2 (added to version 1.6.2 too) and FLAC files.
- You can set a specific expiration date for each file in its name.
- In shuffle mode, lists are shuffled when they are loaded through an event, rather than waiting for it to finish playing.
- PLS lists always remember the last played song, even though there is a power cut.
- Loop mode is disabled automatically when jumping to the next audio in the playlist.
- New shuffling algorithm that avoids, as long as it's possible, file repetition during short time intervals.
- It reads ID3v2 tags in MP3 files.
- File CurrentSong, which contains the title of the audio being played, displays ID3 tags when that option is enabled.
- Compatible with Windows Vista (version 1.6.2 is compatible too).



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