Audacious - OLD, PLEASE USE GITHUB DISCUSSIONS/ISSUES - Bug #649

Inaccurate PSF emulation + Seek bug

June 04, 2016 02:46 - Anonymous

Status:	Closed		**Start date:**	June 04, 2016
Priority:	Minor		**Due date:**	
Assignee:			**% Done:**	100%
Category:	plugins/psf		**Estimated time:**	0.00 hour
Target version:	3.7.3			
Affects version:	3.7.2			

Description

Ubuntu Studio 16.04 + KXStudio - Audacious 3.7.2

Audacious uses an old and buggy version of the PSF plugin.

For example, listen to "Chrono Cross - Time/Dreamwatch" (title varies by region?)

Under Audacious (Linux) and foo_psf, the song is missing a cymbal crash at 0:22, when the flute transitions into violin.

foo_qpsf emulates that crash accurately. However, it depends on nonfree PSF firmware. (is that why it's not included in audacious?)

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Additionally, seeking is broken. When you click the same position, the audio position shifts randomly. Sometimes, even clicking the beginning breaks. Sometimes, even pressing stop and play.

History

#1 - June 11, 2016 12:10 - Thomas Lange

Please attach the mentioned example file.

#2 - June 11, 2016 19:32 - René Rhéaume

- File Chrono Cross 307 Time of the Dreamwatch.psf added

I have that file and the missing crash cymbal sound.

#3 - June 11, 2016 20:40 - John Lindgren

Any improvement that depends on non-free firmware is automatically a "won't-fix".

#4 - June 12, 2016 06:12 - John Lindgren

- Status changed from New to Closed

- Target version set to 3.7.3

- % Done changed from 0 to 100

Fixed the following problems in master and 3.7.x:

1) Seeking ahead of the current position worked, but seeking backwards was not implemented (it requires re-emulating the song from the beginning). The displayed time counter would update, but the audio would continue from where it was.

2) Due to an uninitialized variable, stopping and playing the song again (or another song, for that matter) would start from the last seek location, not from the beginning as expected. The displayed time counter would start from 0:00, though.

As stated earlier, the missing symbol crash will not be fixed since doing so depends on non-free firmware.

Files

Chrono Cross 307 Time of the Dreamwatch.psf	353 KB	June 11, 2016	René Rhéaume