

Audacious - OLD, PLEASE USE GITHUB DISCUSSIONS/ISSUES - Feature #696

Playing MIDI files with FM.

January 21, 2017 18:57 - Carlo Bramini

Status:	Rejected	Start date:	January 21, 2017
Priority:	Minor	Due date:	
Assignee:		% Done:	0%
Category:	plugins/amidi-plugin	Estimated time:	0.00 hour
Target version:			
Affects version:	3.9		
Description I'm wondering if it would be possible to play MIDI files also with FM OPL2/3 like waveforms in addition of using SoundFonts. Perhaps it would be also useful as safe mode, if the user tries to play such files without configuring an SF2 bank into amidi plugin, because in this condition the player does not emit any sound. Thank you very much. Sincerely.			

History

#1 - January 23, 2017 23:00 - Michael Schwendt

Making this a topic in the discussion forum would have been a better idea.

Anyway, hardly anyone still has OPL3 (or OPL2 or AdLib) audio hardware installed, and when you refer to "waveforms" it seem you've got emulation in mind. Native support for the OPL3/OPL2/AdLib chips would not be worthwhile, IMO. Emulation engines do exist, but one would need to use/create something that also emulates the MIDI instruments.

The amidi plugin uses FluidSynth as a backend library. You could fetch some of the OPL3 emulation soundfont banks.

#2 - January 25, 2017 20:11 - Carlo Bramini

Well, this is not needed.

Everything we need already exists.

The good plugin is Adplug-XMMS, already included in Audacious.

Adplug is already able to play MIDI file with an FM software synthesizer.

Here, you can enable it by adding the various MIDI file name extensions to this plugin so that it could be selected as possible candidate, after you disabled the amidi plugin in the configuration dialogbox.

But a complete fix needs a little more code, in my opinion an alternate solution could be to build Adplug as an external dynamic linking library that it could be called by Adplug-XMMS plugin (so no code changes here) and to be used also by Amidi plugin: if no SF2 banks are selected, it will play the MIDI through Adplug, otherwise let's use Fluidsynth.

The biggest change seems to be in the build system rather than in the source code.

#3 - January 29, 2017 19:26 - John Lindgren

- Status changed from New to Rejected

No. The adplug code is extremely poor quality, has a history of potential security issues, and does not see regular releases. I do not want to enable it for any formats that are already supported by a different plugin. In addition, it simply does not work for many MIDI files since it reads only the first "MTrk" section.