

Sid2Midi

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Chapter 1

Sid2Midi

1.1 Sid2Midi

SID2MIDI V0.1 B

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1.2 About Sid2Midi

SID2MIDI V0.1 B (c)1994-1995 by Jean-François Giorgi

A SID song (C-64) to standard MIDIFile converter

Release date: 07 March 95

WARNING

This is a BETA-RELEASE

So far this program has only be tested on the following system:

A1200 / OS3.0 / 2 Mb chip / 4 Mb fast + clock / 1 HD 170 Mo (GVP)

This first and beta release is also my last release ... Sorry but I'm tired

of it, and I don't think I can do much more on it (apart from adding a nice GUI).

If someone wants the sources (SAS/C 6.51) to continue the story, just ask me (see my e-mail address). A SID to SoundTracker converter could easily be made from those sources.

1.3 Requirements

You'll need the following to use Sid2Midi

AmigaOS 3.0 (not tested under AmigaOS 2.0)

playsid.library V1.1 (by Per Håkan Sundell & Ron Birk)
which can be found in the PlaySID 3.0 package (available on aminet)

1.4 Technical Informations

TECHNICAL INFO

SID2MIDI is a "on the fly" (real-time) converter. While the SID file is played by playsid.library, a sub-process of SID2MIDI is called by the playsid.library every time a new note is played. This sub-process converts the note into a MIDI event and stores it into memory (the memory is dynamically allocated). When the user stop the song, all the recorded events are written to a standard MIDI file, format 1 (1 track per audio channel or 1 track per sample (see UNMIX option)).

There is no program changes in the midifile. With the UNMIX option, SID2MIDI will put the notes played with the same sample address (which might not correspond to the same instrument sometimes) in the same midi tracks. This option might lead to a huge number of midi tracks ...

Whatever the option chosen, the MIDI channel will reflect the audio channel.

SID2MIDI purpose is only to help you into midifying a SID song, after the conversion you'll have to do a lot of work on the midifile to obtain a good result. (You'll notice that for some SID notes, there are a lot of midi notes generated, this is due to arpeggie effects (a la Soundtracker) used for the SID notes.

MIDI File generation :

SID2MIDI use the public domain Unix MIDIfile C package
by Tim Thompson (att!twitch!glimmer!tjt)
and Michael Czeiszperger (mike@pan.com)
I have adapted this package to SAS/C 6.51 and mixed the include files
with Bill Barton's midi.library include files (midi.library is not
required by SID2MIDI)

SID player catching:

SID2MIDI uses two undocumented functions
SetDisplaySignal
SetDisplayEnable
from playsid.library whose initial purpose was to display the waveforms
(scope display).

1.5 Usage

USAGE

From CLI / Shell only:

```
sid2midi <sid-file-name> <song number> [UNMIX]
```

<sid-file-name>: the name of the SID file (ONE FILE format
only, use SIDConv utility for old SID format)

<song number> : the number of the song to be converted
(starting from 1, out of range values will be
mapped to default song number)

[UNMIX] : optional keyword (case insensitive)
Create a MIDI track per sound sample.
See technical informations for more.

The result will be in RAM:SID2MIDI.MID (Sorry this is beta ...)

1.6 Distribution

Content of the archive

```
sid2midi      : the program  
sid2midi.guide : this file  
songs/#?.sid  : some SID files  
68020/sid2midi : same as sid2midi but compiled for 68020+ Amiga
```

1.7 Author

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Comments and suggestions are welcome.

Bugs will be forwarded to the people who will have requested the sources.

1.8 Extra's

POINTERS TO OTHER AMIGA + MIDI STUFF (available on Aminet)

MidiPlay by Janne Syväniemi (THE MidiPlayer for Amiga)

E-mail: csjasy@uta.fi

WWW : <http://www.uta.fi/~csjasy/>

MasterMidi by Pascal Serrarens (Good stuff but seems to be still under
construction)

E-Mail: passerra@fwi.uva.nl
