
Re: MIDI Export Question

1 message

Matthieu Leschemelle <mltabledit@gmail.com>

Sun, Dec 22, 2024 at 11:53 AM

To: Jeffrey Rocchio <jeffrochio@gmail.com>

Hi,

My implementation is very old, but I seem to remember that I did this to bring myself into line with the MIDI files generated by other software. This is how TablEdit exports one octave up and imports one octave down.

Matthieu

On 22 Dec 2024, at 17:38, Jeffrey Rocchio <jeffrochio@gmail.com> wrote:

No worries on the timing of your reply Matthieu. I do have one more question tho:

When I do an export to MIDI I seem to be seeing that ***the notes are all 1-octave above the notated value***. I do see the option in the export pop-up to 'diminish' them by an octave, so users can export into the correct octave. But, *what is that about?* OR am I missing something, maybe, in terms of TablEdit settings? I'd like to better understand this so I can provide appropriate MIDI export instructions for use with my script.

And just so you have the background of what I'm trying to do: I am creating a Python program that will take in a MIDI file and 'prepend' onto it a bit of silence and then an appropriate count-in sequence. I started doing this only for my own use, but I have a few other folks who are interested in using it as well now. My intention is to support only Musescore and TablEdit MIDI exports. Between you and Musescore the output files do have some significant differences. Despite this I don't expect too much add'l work to account for the differences. So right now I'm only trying to lock in my understanding of the respective MIDI outputs so I can code for the differences.

The desired use for the MIDI files is for learning/practicing tunes. Having the MIDI, with a MIDI player on, say, a user's smartphone - a person can mute tracks, adjust volume of individual tracks, change tempo, etc, etc as they play along with the MIDI to learn the song and/or their part in the song. But they need a count-in sequence so they can come in with their own playing on time. Some MIDI players do have this feature, many, we've found, do not (or the feature is kinda unusable).

On Sat, Dec 21, 2024 at 10:08 PM Matthieu Leschemelle <mltabledit@gmail.com> wrote:

Hi Jeffrey,

Sorry for the delay.

On 10 Dec 2024, at 18:59, Jeffrey Rocchio <jeffrocchio@gmail.com> wrote:

Matthieu: If you have a bit of time I'm seeking to validate my observations of how TablEdit structures it's MIDI export files. (I'm working on a python script that does some manipulation of MIDI files; primarily those from Musescore and TablEdit.)

In inspecting MIDI exports from TablEdit I have seen the following - do I have this right? (I'm working only with Mountain Dulcimer tunes if this matters.)

NOTES REGARDING TablEdit MIDI EXPORTS ---

* **TablEdit MIDI File Types.** TablEdit allows exporting as MIDI type-0 or Type-1 files. (Musescore exports as Type-1, with no option to select Type-0.)

* **TablEdit Type-1 Track Structure --**

Track-0: An informational track - Song Title, Key Signature, Time Signature, and Tempo. If the 'export information' box is checked then a copyright message is included as well. TablEdit does not put any note-on/off messages into track-0.

I think it's common practice.

Track-1: First part in the score. Does not contain a key-signature message.

It should?

Contains cc messages for channel-0, the channel all the notes are sent to, and the note's channel+1, even tho there are no notes assigned to either channel-0 or that +1 channel number. I have no idea why.

When TablEdit creates the MIDI buffer, it doesn't know on which channel the notes will be played. It doesn't even know if there will be pitch bends, hence the initialization of the odd channel.

Also contains text meta-messages for any lyrics in the part (note: even tho the text is for lyrics, TablEdit does not use the purpose-defined Lyrics meta-message for these). Where there are backing chords in the score, these also seem to appear in the export as text meta-messages.

It's true that the lyrics created with the eponym function could be exported as such. On the other hand, standard texts are sometimes lyrics, but not always.

Track-n: Additional tracks for each additional part beyond the 1st

part in the song. No key signature message in these parts. Contains cc messages for the channel all the notes are sent to, and the note's channel+1, even tho there are no notes assigned to that +1 channel number. I have no idea why.

See above

Final Track: TableEdit exports a final track that contains just one message, a meta-message that contains the name of the song. I have no idea why.

Why not ?

Any adds/ changes/ deletes to the above appreciated.

Jeffrey Rocchio

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