

Preparing to Export Standard MIDI Files

Standard MIDI Files

Standard MIDI files are not specific to a particular sequencer program, or type of computer. They contain the following information:

- MIDI events, including time positions and channel assignments
- Names of the individual tracks
- Names and positions of markers
- Tempo changes
- Copyright marks

Logic supports the importing and exporting of Standard MIDI file formats 0 and 1:

- Format 0 can contain one track.
- Format 1 can contain multiple tracks.

Neither format recognizes any division of a track (into several MIDI Regions, for example).

Loading Standard MIDI Files

To load a Standard MIDI file, select **File > Import**.

Note: If you select the MIDI files option in the Open file type menu, only MIDI files will be displayed in the File Selector.

If a song is loaded, you will be asked to “*Create new environment or copy current environment for MIDI File? New/Copy*”.

If you click Copy, the existing environment is copied. The tracks of the Standard MIDI file are automatically assigned to suitable instruments.

If no song is loaded, or you answer the question by clicking New, the default environment (the default song) is used.

Copyright

The copyright mark is read as Marker text.

Bank Select

When you open Standard MIDI files, program change and controller events occurring at the same position are moved by one tick, so that they will remain in their intended order. This prevents Logic from reversing the transmission order of events. The reason for this is that certain MIDI devices will not respond properly to program change and bank select events that do not occur in the correct order.

This also guarantees that there will be no timing problems, because the transmission of a MIDI event always lasts longer than one tick.

CMP 4a / Music Tec 2a – (019)

Mike Cullen www.83db.com

Saving Standard MIDI Files

If you want to play a Logic song on another sequencer, you can do so by saving it as a Standard MIDI File. Consult the other sequencer's instruction manual to see what Standard MIDI File formats it can read. Any sequencer should be able to interpret at least the type 0 file format.

Preparing the Song

Due to limitations of the Standard MIDI File format, you should prepare your Logic song in the following way:

- Neutralize all playback parameters with the normalize function (select them all by pressing Command-A, then select MIDI > Region Parameters > Normalize Region Parameters)
- Convert all playback quantization with the Apply Quantization Settings Destructively function (Command-A, MIDI > Region Parameters > Apply Quantization Settings Destructively)
- Convert all aliases into real copies (Command-A, MIDI > Alias > Turn to Real Copy)
- Convert all loops into real copies (Command-A, MIDI > Region Parameters > Turn Loops to Real Copies)
- Convert all MIDI Regions on each track into a continuous MIDI Region (Command-A, Region > Merge > Regions per Tracks)
- MIDI > Insert Instrument MIDI settings as Events

Additional preparations for file format 0

As Standard MIDI file type 0 format files can only save one MIDI Region, you must also merge all MIDI Regions into one (Command-A, Region > Merge > Regions).

Saving a Song as a Standard MIDI File

Select all of the required MIDI Regions, and select File > Export > Export Selection as MIDI File. You can now enter the destination directory. Remember that most hardware sequencers can only read MS-DOS formatted disks, so limit your file name to an 8.3 character name. As an example: "song0001.MID".

In File Format 0

Ensure that the *Preferences > Global > 'Export MIDI File...'* saves single MIDI Regions as File Format 0 parameter is checked. If it is, selecting *File > Export > Export Selection as MIDI File* when only one MIDI Region is selected means that file format 0 will automatically be used.