

## Create SMAF from MIDI

This document describes a series of operation which creates a SMF file (\*.mid) using a Sequencer, and then creates a SMAF file (\*.mmf) using MA-5 Authoring Tool.

### Creation of SMF (\*.mid)

This chapter describes a series of operation which creates music data using MIDI Sequencer and saves it as a SMF (\*.mid).

#### [Note]

(This document explain the method based on a MIDI sequencer called “**XGworks**” which is provided by YAMAHA; so, the usage may differ with your sequencer. For details, please refer to your MIDI Sequencer Operation Manual.)

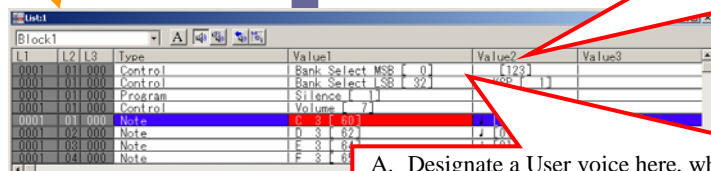
Open the MIDI Event List



i. Start up your MIDI Sequencer. (The left figure is the screen which opened “XGworks.”)

ii. Create and arrange music data by utilizing MIDI Sequencer function.

For details about MIDI events which are handled by Authoring Tool, refer to the “**Contents Authoring Guideline**” attached to the Tool. Events not applicable are ignored.



- A. Designate a User voice here, when editing a voice on the Authoring Tool.
- B. Bank designation is not necessary, when using a preset voice in the Authoring Tool.

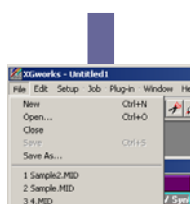
#### Normal Voice

Normal Voice												
MSB	LSB											
	0	1	2	3	4	5	6	7	8	9	10	11~127 unsigned
122, 124 (Normal)	Preset Voice	User Voice									ROM Voice	Convert into LSB=1
Other than shown above or unsigned	In case of 10ch, convert into MSB=125, LSB=0, Pch=2. In case of other than 10ch, convert into MSB=124, LSB=1.											

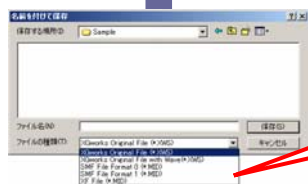
#### Drum/StreamPCM Voice

MSB	LSB	Pch										
		0	1	2	3	4	5	6	7	8	9	10
123, 125 (Drum/Stream PCM)	0	Preset Voice	User Voice								ROM Voice	Convert into Pch=2

- C. Designate a Bank of a voice registered on the Voice List, when using a registered voice on the Voice List in the Authoring Tool.



- iii. Save a created music data in SMF file format (\*.mid) using “Save As...” menu.



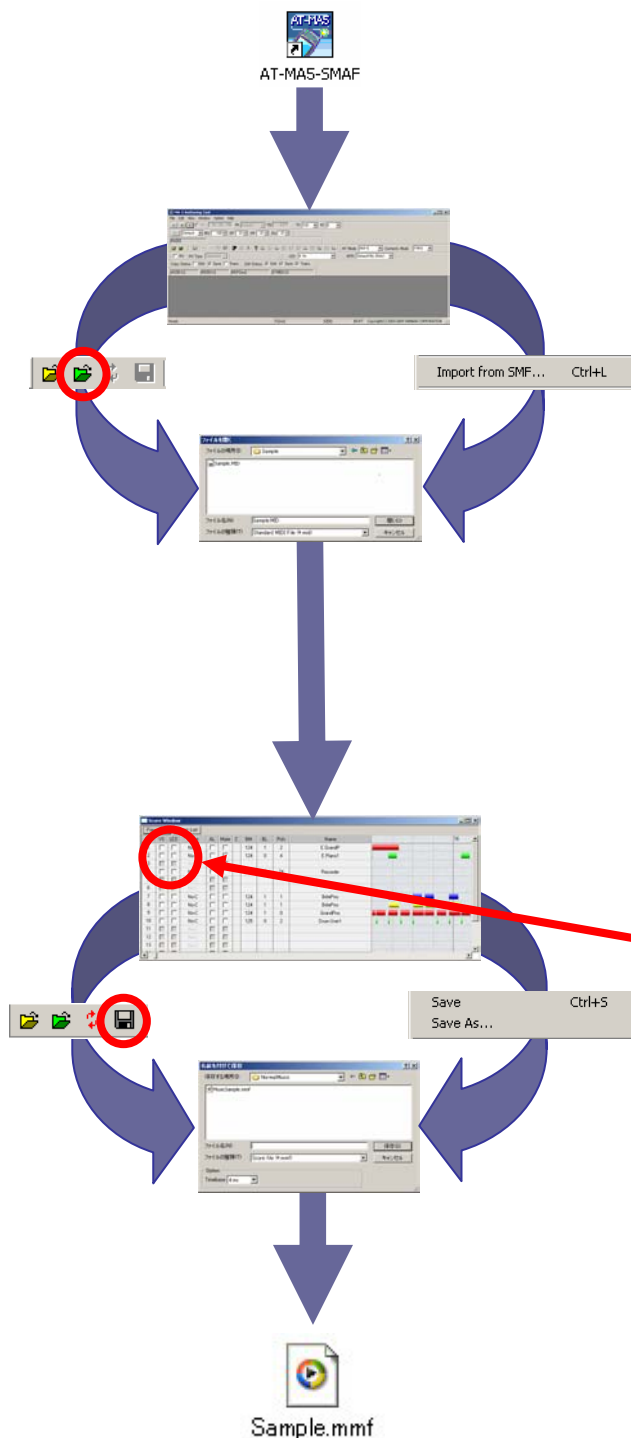
Be sure to designate SMF format 0 (\*.mid) or SMF Format1 (\*.mid), when saving music data. Music data files created and saved in other format cannot be converted into SMAF.



- iv. Finally, a SMF (\*.mid) is created.

## Creating SMAF File (\*.mmf) using MA-5 Authoring Tool

This chapter describes a series of operation briefly which converts SMF (\*.mid) into SMAF file (\*.mmf) using MA-5 Authoring Tool. As for installation procedures of MA-5 Authoring Tool, and details of other tools, refer to another documents.



- i. Start up the MA-5 Authoring Tool by double-clicking a shortcut icon or by a Start button on the task bar.
- ii. Application Window, a main screen of Authoring Tool, is displayed at first, when starting the MA-5 Authoring Tool.
- iii. “Open” dialog is displayed when clicking a button on Menu Bar or Tool Bar. Designate a file that you want to load, and then click “Open.”
- iv. Music data of SMF (\*.mid) is displayed on Score Window. As for a voice of which Bank (Pch also in Drum) of user voice has been designated, voice data can be edited. As for voice data edit and other functions, refer to another document.

What is User voice?

- Normal (Bank Select MSB=122/124, LSB=1~9)
- Drum (Bank Select MSB=123/125, LSB=0, Pch2~9)

By just checking a VS/LED box on the Score Window, On/Off of Vibrator/LED can be set easily.

- v. “Save As...” dialog is displayed on the Application Window when clicking a button on Menu Bar or Tool Bar. Input a file name, and then click “Save.”
- vi. SMAF file (\*.mmf) is created. Here, a series of operation which creates MIDI and converts it into SMAF using Authoring Tool, was completed.