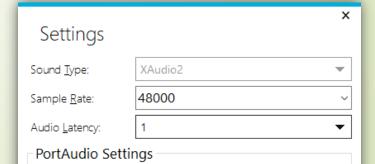
MAmidiMEmo A Virtual S/W Synthesizer

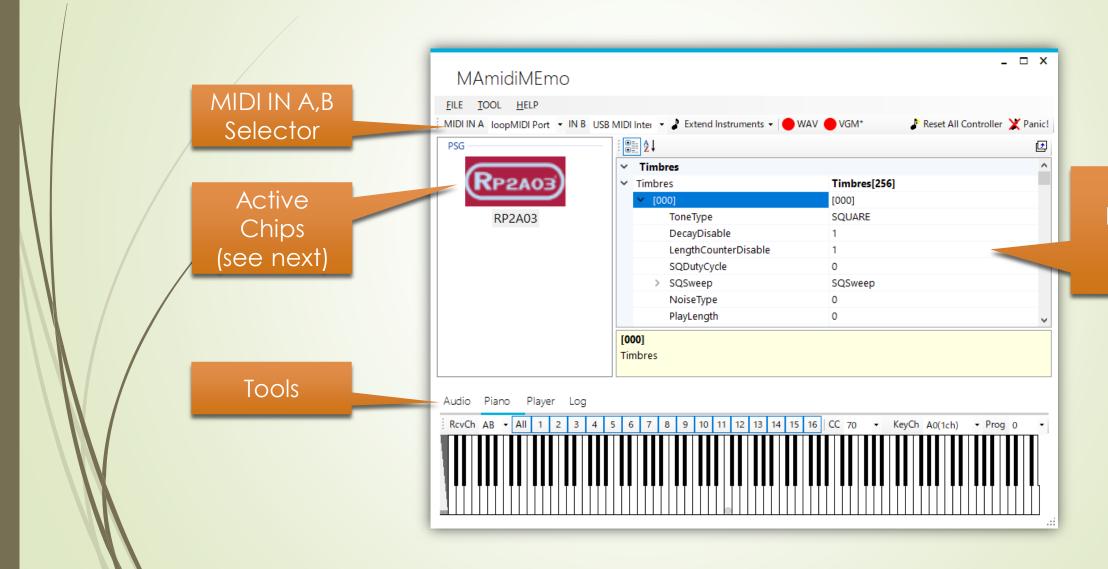
User's Manual - Rev 0.3

Install & Basic Settings

- Install
 - Extract the downloaded zip file.
 - Click MAmidiMEmo.exe
 - Will open the MAmidiMEmo. If not, please check the followings.
 - .NET Framework 4.7 or later installed on your PC.
 - **▶ VC++ 2012 Runtime** installed on your PC.
 - ► (Execute "DelZoneID.ps1" to remove "Zone.Identifier" flag.)



Window Overview

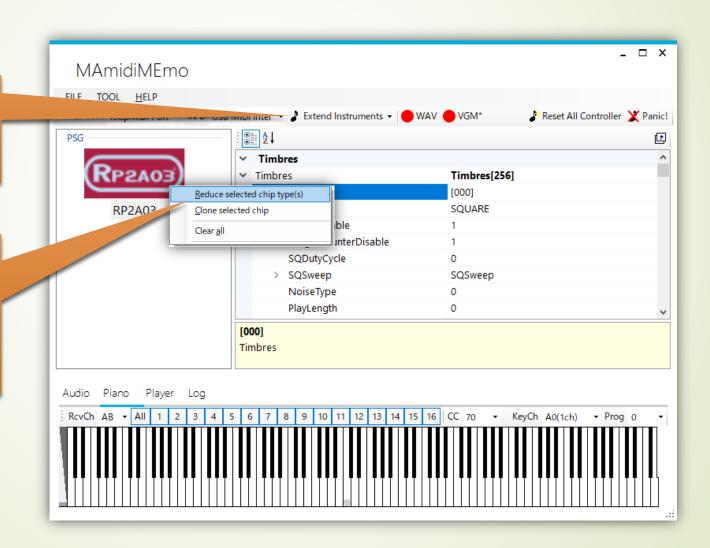


Chip
Parameter
Editor
(see next)

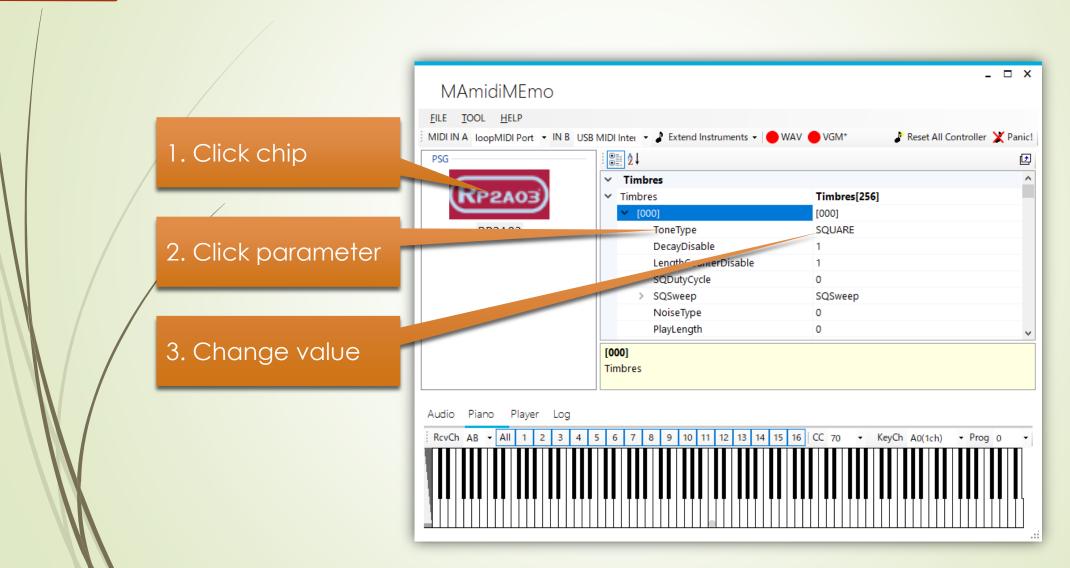
Add and Remove a Chip

To add Select the chip from this menu.

To remove
Open a context
menu and
select.

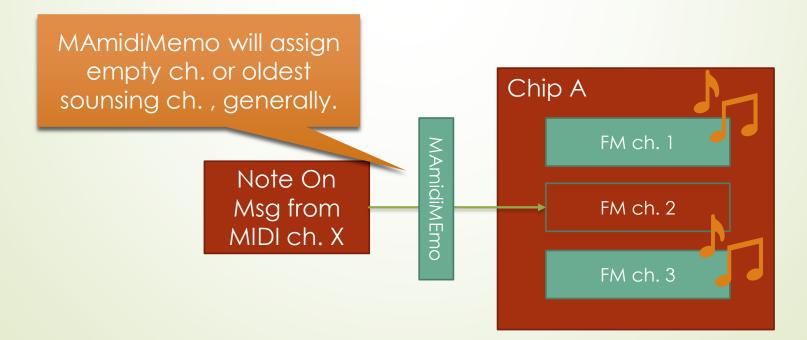


Edit chip and sound parameters



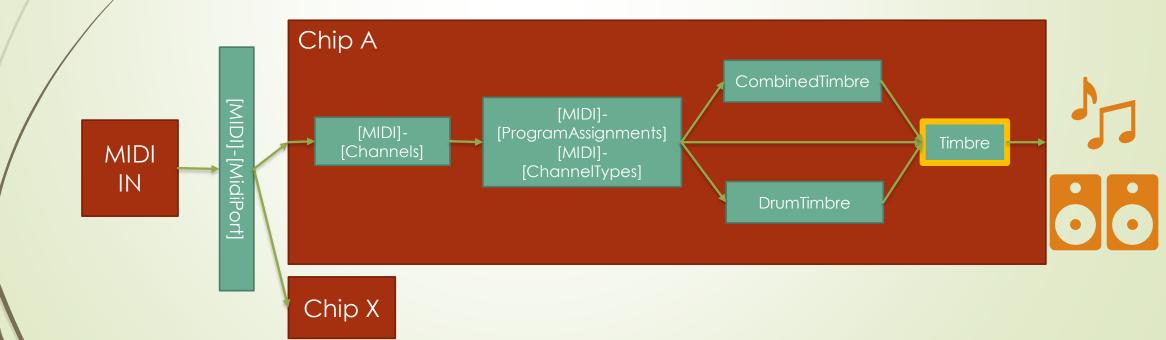
Between MIDI ch and Chip ch Relation.

- You don't need to concern the Chip ch., generally. MAmidiMEmo will assign suitable Chip ch. automatically. However, you need to concern a max ch. number of the Chip.
- MAmidiMEmo will assign oldest sounding ch. to sound the new sounds.



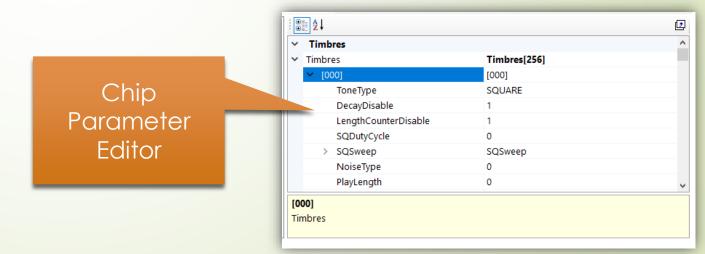
Sounding Structure

- MAmidiMEmo outputs a sound from MIDI message along with the following structure.
 - So, at least, you need to edit the **Timbre** parameters to sound something.

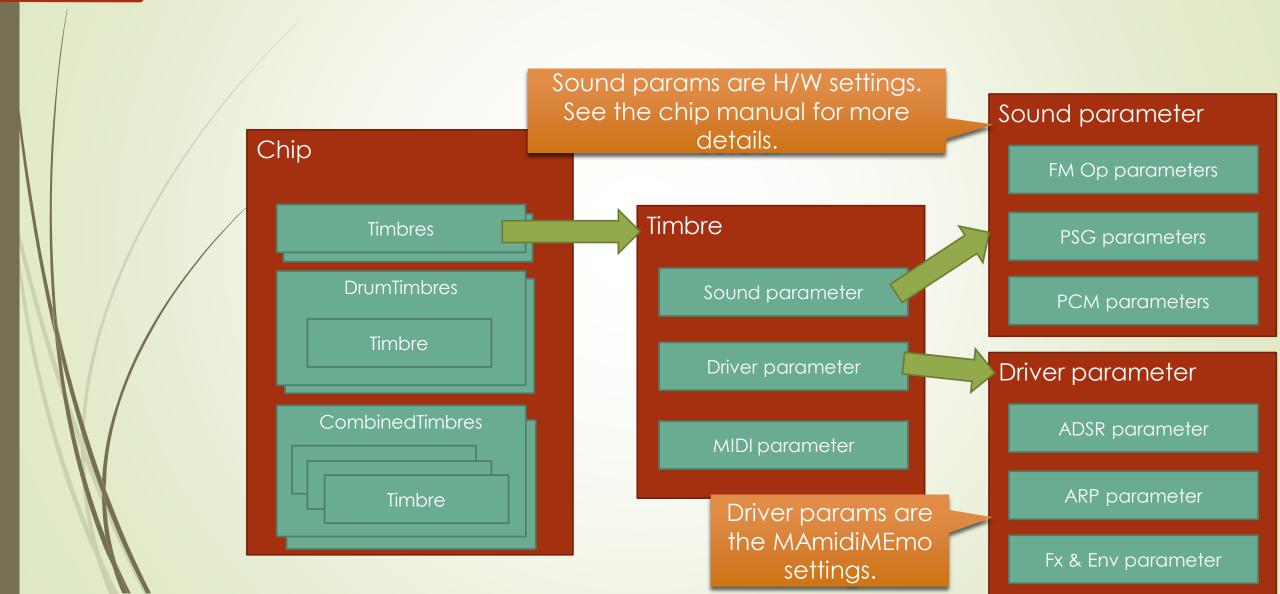


Timbre

- Generally, a chip has 256 Timbres, 256 CombinedTimbres, 128 DrumTimbres.
- CombinedTimbre can sound multiple Timbers at the same time (up to 4)
- DrumTimbre can sound Timbes as a Drum sounds (Ignoring Note Off msg).
- You can change the Timbre parameters on the Chip Parameter Editor. Generally, you need to learn the chip specification to edit the chip parameters.

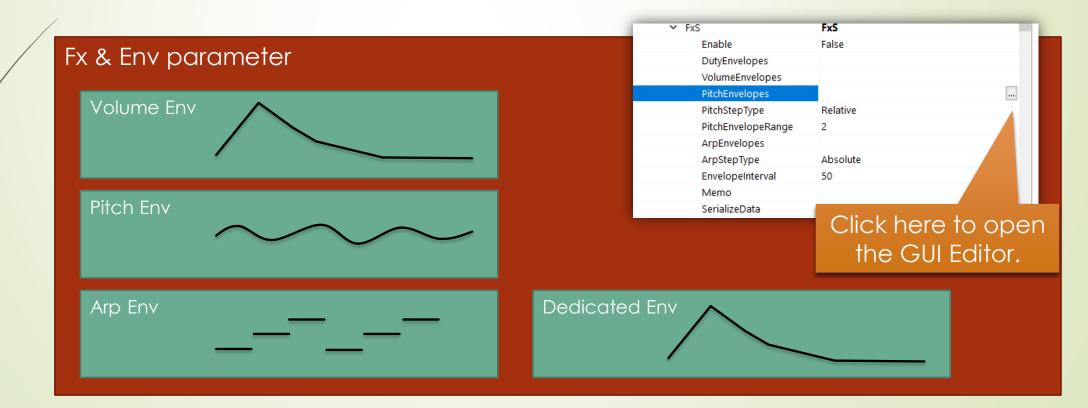


Timbre Structure



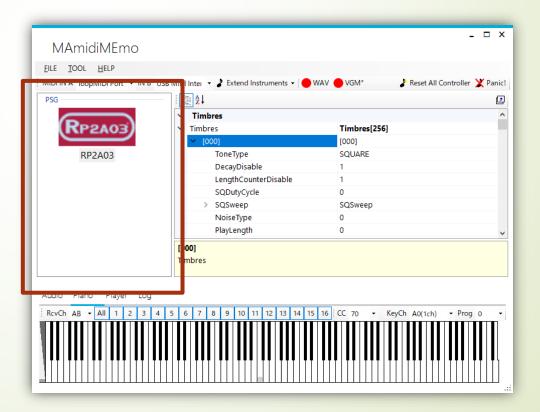
Driver parameters - Fx & Env Structure

You can make for a rich sound by using driver params. Especially, FxS can do it.



Sample sounds

There are sample sound files in the "Samples" folder. You can drop a sample file "*.MAmi" to the left pane.

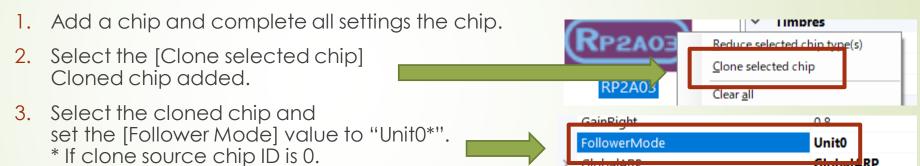


Additional files

- YM2608
 - Place legitimate "ym2608_adpcm_rom.bin" file in the MAmidiMEmo directory to sound ADPCM rhythm sounds.
- MT-32
 - Place legitimate "MT32_CONTROL.ROM" and "MT32_PCM.ROM" in the MAmidiMEmo directory to sound ADPCM sounds.

Limit Break

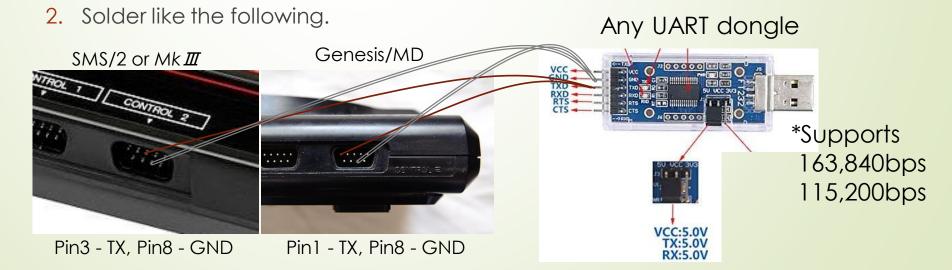
Any chip can output only a few voices. However, MAmidiMEmo can break this limitation by the following steps.



- When the clone source chip consumed all voices, the cloned chip sound for the chip.
- If you want to extend max voices more, select the [Clone selected chip] of the cloned chip. And set the [Follower Mode] value to "Unit0".

VGM Sound Interface(VSIF) - (1)

- MAmidiMEmo can drive real machine chips. Currently supports NTSC SMS(2, Mk Ⅲ) for SN76496/OPLL and NTSC Genesis(MD) for SN76496/OPNA2.
- How to
 - 1. Buy the following parts.
 - 1x UART (FT232R and so on) dongle (Note: Supports 163,840bps, 115,200bps)
 - 1x FLASH Cart for SMS or Genesis and 1x D-SUB 9 pin connector (Female) and cable



VGM Sound Interface(VSIF) - (2)

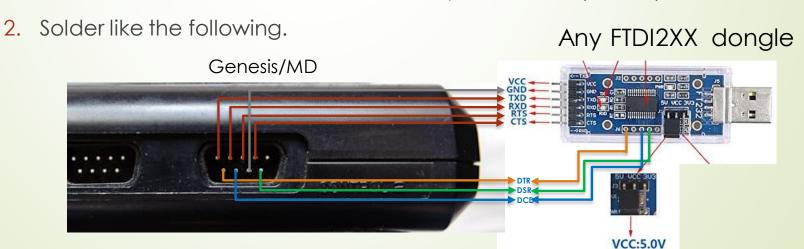
- Burn VGMPlay_md.bin(for Genesis) or VGMPlay_sms.sms(for SMS) to your FLASH Cart
- 4. Set the COMPort name and select "VSIF SMS" or "VSIF Genesis".

LING	v
Chip(Dedicated)	
COMPort	COM4
SoundEngine	Real(VSIF Genesis)
CurrentSoundEngine	Real(VSIF Genesis)
Filter	

- 5. Done!
- If you can not sound sounds, make sure soldering and COMPort name.Or, please contact me.

VGM Sound Interface (VSIF FTDI) for VGM Player

- VGM Player can drive real machine chips more faster if you use FTDI2xx(232R, 232H and so on). Currently supports NTSC Genesis(MD) for SN76496/OPNA2.
- How to
 - 1. Buy the following parts.
 - 1x FTDI2XX (FT232R and so on) dongle
 - 1x FLASH Cart for Genesis and 1x D-SUB 9 pin connector (Female) and cable



Trouble Shooting for MAmi

If you noticed "sound lag" or "stutter", open the Settings dialog from [TOOL] menu. Check [Sound Type] and [Audio Latency] value.